industry " In Issueshibitions to any of so ruch for distinct to well rethose he a figh or n to district context, we also should be found in their come upon the resonance of clements and upon they importance that a brildline was on the transfer to be thank to and that the improvement of story to up to us not - Shall so to famous and cope, it may be fixed in spector, who, ch, The sees at recognitive mean the country of is putly the result of puryle enterprise, but it is every funds even only, or deep all that and rate to manufactive and willing, conceively such integrals two acre, and had special hadding to his state and trun that time enterprise has been called and be turner, but shall we depote sum harming and many in time, as falls under continue at a conacal ultiral hope ments. The facility despected by the establishment of a weather demonstration and point of the establishment of the destablishment of th Sixovertics little. Proceedingly on a choose constant on compete a diet on abother Manufettina, is not a selection to a selectional country dependingly upon the proper disclosure of the first Proceedingly on the country dependingly upon the proper disclosure of the first Proceedingly on the proper disclosure of the first Procedure of the fi ment of extinctions. In the some morner they is 1st 1 and dispose or their simplicistics, to six active, and industry but as 1the arther to the old elikaction to the duth scome ted with the application eras. valous mainfatures. For example, there is be doubt in at the Larramond terms exercise that the forethe operation of the distribution, and under Series poor lifty, that recommended in Section In the Outstan L. Whitere to the en one generated mold of the net of why it is that characteristic space for the future section. 1095, wes trusferred to at, tory sportfly built for it exicultural so note; and has there to hold these a colory made progresses through Protection will public will be quaded in a moment bound A Sexe 5, which was borght, and with it the sole pass 15 is, him dog at an in the clean on or the formers a tighty imploy non-ships, and bear by the common selection advancement of the age in which we prictorship, by Loris XV, in 1560 1, con that time or this previous within the post towards the westerness to the Mother Country then it it were One or the just question one would very not meto the possibility of the first because complete is to monority the monority and and unposses are, and with at a surface of the contraction process is tion for its rangely ties of preclain. By Govern- time. The acid precess which we have much in the times. The conclusion will get be analogically include that something measures, what is out the discount of the conclusion will get be analogically include that something in the conclusion will get be analogically include the discount of the conclusion will get be analogically include the discount of the conclusion will get be analogically include the discount of the conclusion will get be analogically include the discount of the conclusion will get be analogically include the discount of the conclusion will get be a conclusion of the conclusion of the conclusion will get be a conclusion of the conclusion of ment and winerts schools have to an open I where minute time of a neutral limple and so to Protection is the temp amoter and not the de tower since of Outaro, or in the whole Demanden and another the schools have to an open I where minute time of a neutral limple and so to Protection is the temp amoter and not the de tower since of Outaro, or in the whole Demanden and the schools have to an open I where minute time of a neutral limple and so to Protection is the temp amoter and not the de tower since of Outaro, or in the whole Demanden and the schools have to an open I where minute time of a neutral limple and so the schools have to be on open I where the schools have the schoo artists are obtained who are employed to design and attributed to the some care. The necessity of interest Steps Colonies and Compactor? I corate its productions. In this senater France proved my loads was tell by the manufacturers cradually developed new industries and measured the jath in they entered into completition at the varientical namutetining intensis, and also successfully introduces. this fed to to w inventions and new applicates. duced a commercial principle hitlerto unknown in chablin, some of them to successfully compete if the that country-Darge sides and small profits. The Independent Exhabition in Pacis. In fact this is the second Prench indemention I exhibitions in which only real bianch or our mainter time that was award-Canada has been a competitor will be retened to in ed a gold medil in 1608. This has also been the give a bifer sketch of English exhibitions. As for- hibitions may be of equal service in advancing other tend so vigorously against the pernicious influences carpets, percelain, etc. In the early part of the pre- avenues of trade and presperity throughout the whole Increased the knowledge of manufacturers and the show the part which Canada took in her intance as a working classes by establishing temporary exhibitions in municioning competitor against other nations. of the productions of the country, and articles illustrative of the manufactures. In 1828 an exhibition was held in London. George IV granted for this purpose the use of a part of the Royal Mows at Charing Cross, which then or cupled the site of the National Gallery in Tratalgar Square. It was called "The National Repository for the exhibition of specimens of new and improved productions of the artizans and manufacturers of the United Kingdom. There was a board of management, assisted by a committee of inspection. who acted as jurors in deciding upon the merits of the articles sent in for exhibition. This committee consisted of the presidents, vice-presidents and secretaries of the various mechanics' institutes throughout | the Kingdom, with Dr. Birsker, the founder of taechenics' institutes, as chairman. A great display of goods was sent from the chief manufacturing towns, each of the articles had a descriptive label attacheda great want at Canadian exhibitions which could early be supplied. They also had machinery, silk looms, etc., at work at certain hours of the day, and, as may be supposed, crowds of people thronged to this industrial exhibition when it was first opened. but even in England, fifty years ago, the people were incapable of comprehending the merits and understanding the future results of exhibitions in the industrial advancement and prosperity of countries, and this exhibition, after a lingering existence, gradually died of inanttion. It had, however, good results, it induced competition and was an incentive to the production of a better class of goods, and was of considerable assistance in the progress of manufactures. In the direction in which the world has been movingthe following year, the Dublin Royal Society established a triennial exhibition of works of art, science and manufactures, but excluded all but irish productions. The mechanics' institutes in all of the princitrial exhibitions. Manchester Mechanics' Institute almost or prohibition. No Butish statesman and concent other popular forms of adulteration. The second exhibition, there were 360 contributors, who do similar work? It is true they are somewhat identified with the provincial exhibitions, and representatives of institutes have been invited to act as judges, but no real practical value is accomplished by mechanics' institutes in this direction. Why cannot a trial exhibitions? This country is now able to appreciate everything that will develop commercial time. We are now endeavoring to increase our trade to remain for ever in the condition of faines or manand manufactures, and every means should be used to awaken the dormant national genus and inventive line of argument in this matter is somewhat as follows faculties of our people. The Industrial Exhibition at A prosperous colony is and must be a better customer Toronto is now one of the institutions of our country Its success, to which we shall refer hereafter, may be ward, the expansion of manufactures makes a colony attributed partly to contralization, but there is no prosperous, therefore the interest of the Mother reason why an industrial exhibition should not be Country harmonizes with the prosperity of the colony held in connection with the mechanics' institute in But, it will be said, every said of cloth you make in every small town, and wherever held they will be Canada diminishes by so much your purchases from found to influence the working classes by creating an | England. We reply-pes, it diminishes our purchases clovated taste and impating practical knowledge in regard to the national products of our country and the but meantime our purchases of wher English goods advantages of small annual exhibitions in this country may be judg at of by the work done by the agriculcattle and agricultural products are the results of the efforts of these societies. The numual competitive

"SHIPS, COLONIES AND COM-MERCE

a good old British motto, and a time-honored took at patriotic gatherings, is that of 5 Ships, Coloashuned to arow it, and will in fact have rejected it the more valuable it is to the latter. We repudiate this doctine as humiliating and unpatriotic, to begin with, and we turther hold that it is thatly contradicted by the teaching of commercial and colonial history, especially that of Canada. We heat much now of and the restrictions that were thought necessary a hundred or several hundred year-ago. Just to show Trivlers, who view with alarm every change calcutations, without developing manufactures. The true to the Mother Country than it it were poor and lackfrom England of that particular cloth or its equivalent, purchase. It is futile to argue that if our population

FOOD AND HEALTH

Association Mr. 11806, Cambrion Plac . Argust now die on the court of Gulana". The rate of a LORE LONG IN DR GLAND, OTTANA

their proper place Bol, min, Spun, Germans and means of our demonstrated in our also the great social problem is the sensing condition of in the 1,600. Thus we observe how, a other countries have held exhibitions, which we have tural implements, and thus increasing the wealth and our people. It als is alike both poor and rich, but proper sanitary regulations, the death rate or to not space to describe, but instead thereof shall now revenue of our country. We trust that in fustion is a more puticularly the tormer, who are mable to con- find was greatly reduced through the introduction merly stated, the Society of Arts of London was the manufactures their hout Canada, and that by our Statistical facts have demonstrated beyond a doubt about 80 die per day of various courses, and if the first to introduce act exhibitions in the find. As early united energies as a people we may be able to show; that more people die duly from the neglect of proper estimated that fully one-third of the deaths at as the year 1756 this society held an exhibition and the world what a productive country Canada really is, sanitary presentions than from all other forms of diseases which might be presented by thorough offered prizes for specimens of manufactures, tapestry, and may thus also be the means of opening up new mortality combined. The most proline sources of tary measures. The aim of sanitary science is disease -at least those which most directly impair prevent disease, preserve health and prolong in sent century the formation of mechanics' institutes in Dominion. In our next we shall refer to the mest health and shorten life are toul air, impure water, fact, to guard the less interests of our people, so a England promoted the improvement of the taste and international exhibition held in England in 1851, and adulterated food and drink in the various forms which efficiently discharge their various duties for personal exhibition held in England in 1851, and adulterated food and drink in the various forms which efficiently discharge their various duties for personal exhibition held in England in 1851, and adulterated food and drink in the various forms which efficiently discharge their various duties for personal exhibition held in England in 1851, and adulterated food and drink in the various forms which efficiently discharge their various duties for personal exhibition held in England in 1851, and adulterated food and drink in the various forms which efficiently discharge their various duties for personal exhibition in the various forms which exhibition held in England in 1851, and adulterated food and drink in the various forms which exhibition held in England in 1851, and adulterated food and drink in the various forms which exhibition is a superior of the contract of th are calcred up to the digestive capacity of a growing gene attor still eager to perjetuate the principle that well as a public hygiene is considered in the wiordinary business matters cannot be finally accom- acceptation of the term. This science, like that plished without the spirit ratification in some one of medicine, is pre-eminently one of observation, and the shapes so popular in almost every country at the both, disease is the study, but in different way present day. No subject calls for more vigorous physician endeavors to curo an ague, but the ba action at present than that of "Sanitary Reform," officer more particularly inquires as to what will; which would contribute, beyond our most sanguine | vent an ugue | While the scientific physician | nies and Commerce. But one of the current argue anticipations, towards the improvement of our saniments against. Protestion in Canada, or any other | tary condition, and thus promote, in the most tangible British colony, is that it tends to diminish trade with form, the comfort and happiness of our people. The especial duty to look quietly and extefully tide of the Mother Country, and it is sagged that if there is time has now arrived when the public men interested various causes of disease, and thus co-operate to be a fulling off in ships, and la commerce with the in the welfare of this Dominion must take an active his brother practitioner in promoting health. To Colonies, the Colonies may us well themselves fall part in the promotion of sanitary science. The laws of health, like the laws of nature, take a waway too, as the Mother Country would no longer have a Adulterations Act." introduced by Government, defined course or direction. A careful submission any interest in keeping up the connection. This is a has already accomplished some good in a very mode-, these laws promotes health and longes by -willvery narrow, contracted and insufficient view of rate was, but greater activity is requisite in order to ideath and discuse result from the converse, and t Imperial and Colonial relations, and we hope the day | fully appreciate the importance of the various adul- | marvel 1s. bow many people do live with the to is fast approaching when Briton everywhere will be terations of test and drink so intimately associated placed on their systems, more even than the limit with the future of our Dominion. In Great Britain, tions of civic corporations, with cur magnity altogether. But into plan English, what does it Europe and the neighboring Republic, there is at edifices and other evidences of progress amids to mean? It means just this the progress of a present considerable effort being made in this departs march of intellectual refinement. What are the to Colony is an injury to the Mether Country, and that ment of sanitary science, and the various workers in 1 to be deduced from the fact of Tanner? That ! the more backward and unprogressive the former is, this prolific field of observation have accomplished human system is far more over-strained than much, and are now bringing about a more healthy necessary by the extra amount of food taken derecognition of the important issues which spring and that too little attention is paid to the import from this momentous subject. The extent of food part pure and unadulterated water plays in the lense adulteration, in fact, is only now being actively looked | conomy. It is estimated that of every both we into, in order, as far as possible, to ascertain a more weight 135 lbs, there are fully 111 lbs of water, the the splitt of the age. the present age, it is said, is perfect idea of poisonous influences daily and hourly at a glance, we can observe the proportionate 10% too liberal and too enlightened to endule the trianness at work in bringing about the increased death rate of and effect of water in maintaining life under so our population. The forms of adulteration are varied, | trying circumstances, more eccentric in character time otherwise, but still important in a sense, as turn and introduced with a considerable degree of skill, in order to evade the law and contribute to personal evidence of human endurance under such tights. a hundred and tifty or two hundred years ago it was gain, even with the prospect of shortening lite. The cumstances. The cumtive power of moderate state thought to be good British policy that the American addition of substances of Inferior value, for the sake tion in some forms of disease is a well-attested for colonists should not be allowed to make even a hol- of bulk and weight, is a common practice, and even and if many of the gorging and fashionable pronail for themselves, and manufactures generally were not more so than the addition of coloring matters of were only more carefully guarded, life wou'll pal manufacturing towns followed by holding indus- to be discouraged in the Colonics to the extent various kinds, to improve appearances, if possible, longer, health more vigorous, intellectual power me neute, and the accumulation of adipose tissue as held an industrial exhibition in 1837 with 150 con- dicams of such a policy now, and what should preparations of lead, copper, mercury and ments, frequently interfere with ordinary focomotion is tributors, and was visited by 50,000 people, and we learn from the Lat? This, this best for coloring purposes, possess highly possenous closer we consider public health the shippler is on realized over \$5,000. The year following, at the whereas in a less enlightened and less liberal properties and thus impart very deleterious influences: the problem Purity of nir, water, food and clothers. ugo colonial manufactures were looked upon A common form of adulteration is the adultion of all of which may be embraced in a single were exhibited 26,300 articles, including models of machin- aimost as an enemy a grow pointed against the autostances, in order to import flavor, purgency and releabliness. Life is a fortress we know littleery and mechanical contrivances, specimens of manu. Mother Country, they are now regarded as additions after the ameli-common means indeed of deluding and why throw difficulties in the path? What is factures, philosophical instruments, natural history, to the strength of the Empire as a whole-that we are and deceiving the public in matters of every day life | cerns the individual, concerns the State, and coetc. This exhibition was visited by 100,000 persons, progressing away from the old idea of antagonism to Will have not heard of chicary powder in coffee or individual should. Know something of the and the committee realized nearly \$12,000. Is it not colonial manufactures and for a le the new idea of or rocon; of woody fibre and nawdust in different grand vital sanitary principles so closely come to possible that the Mechanics Institutes in Canada can be tolerating and even encouraging them. And yet Free kinds in apress, and various drives in powder, added with the cheer and happiness of the home and the neatly by spice and drug grinlers, of copper in pickles side Lord Bracovsrieto in his celebrated Mane's st lated to develop manufactures in this or any other and bottled fruits, of bolo Armenian and Venotian speech, as Prime Minister, remarked, v I think put colony, claim to be the special advocates of liberal red in potted mosts and fish? Such adulterations attention ought to be concentrated on sanitary leaves and progressive ideas! They are, in truth, the antag- could not possibly be practised by the retail trades- tion. I cannot impress upon you too strongly my onists of colonial progress, which has to fight them | man, being rather the outcome of special machinery, viction of the importance of the legislature a few leading mechanical institutes form small indus, and their fillbend, tyranmical and receive ideas for meed in the large centres of trade and commerce. It society uniting together in favor of these importaevery step forward that is guned. It is not the truth, is quite evident that the sellers or adulterated food results. After all, the first consideration of a ministration but a gigantic mistake, to suppose that the Empire are in a position to linerease their profits in a very should be the health of the people! Do not so industry, and there has been no period in our history would be stronger and wealthier, taken altegether, were large degree. From these few examples in the line of facts apply directly to our public men--trom who when this want is more keenly felt then at the present such colonies as those of British America and Australia current impurity, which is more extensive than genwe expect activity and marked energy in bringle craity supposed, it is quite evident the question of the about a central department of health, such as better adulteration of food is one which vitally affects the established in many countries at the present da Interests of the honest and most respectable of the This will be evidence of progress in the right directtrading community. In whose hands is now placed the and, although laws may conflict in the local as Important duty of staying, as far as possible, the nefageneral government of our country, still we f rious system of adulteration which saps human viassured action will soon be taken and such as a tality and throws a slar upon many of our best tend to prolong life, promote comfort and happine increbant princes, who are the very essence of comby demonstrating in a tangible form how the sacrab mercial integrity. Is the present machinery in operatask upon which we expect to operate and thus reout the causes which add so largely to our atm. tion for the nurpose of checking adulteration which comes under the head of Excise active and energetic? death rate. This is science turned to good secon-How many are there at present corving on the and surely the lives of our people are equally imp ant with those worldly treasures of little acc requisite investigations as to food adulteration? once man has passed beyond the sphere of earth' various branches of our arts and manufactures. The are increased, through the fuller employment of our This suggestion is not thrown out with any hostile recopio here, and their consequent greater ability to feeling, but merely in order to ascertain the efficiency of the Exclso force in this particular branch, which tural ascistics in Ontatio. Our exports of improved were not employed in manufacturing they would be guards the best interests of our people. The present employed in farming, lumbering and fishing. A Government has the credit of having taken the initiathousand mechanics and factory hands added to the live in this matter, to whom much credit is due, even

at the fit puries reade by those adopting Can di homerand inture residence, for the a who may a fiora the Mether Country. In Pugloid, 1864. Restoration, Maconta Research ted It is starting a PARCE READ AT CHE BARGER AND REDIAN MEDICAL mondfeld t ster in the Trees of our towns they re tality in London from 1650 to 1070 was fully To by 4the become a recognized principle that the 1,000, and me 1871 it became reduced to the requisite precautions. In Ontario, at precomfort and State advancement. Thus a pair a extend his observation to the cause as well a-t cure of disease, the health officer makes it t

Troy,

firm

their

since.

raised

The fifteen crops of cotton made in the Unit States, since the war exceeds the Aftern auto-war or I nearly 10,000,000 biles. When the sixteenth exheadded this year it will haske the excess more the files which are held are of great interest to all classes population of a country would not put an acre out of for the progress so far made in a most praise worthy path 14,000,000 bales. The value of the filteen co of the community and are attended by people from cultivation, except for building site, but would, on of public duty. We require to rely more on science; since the war has been \$4,000,000,000,000,

f preventible deaths may be avoided. Such is the

olo