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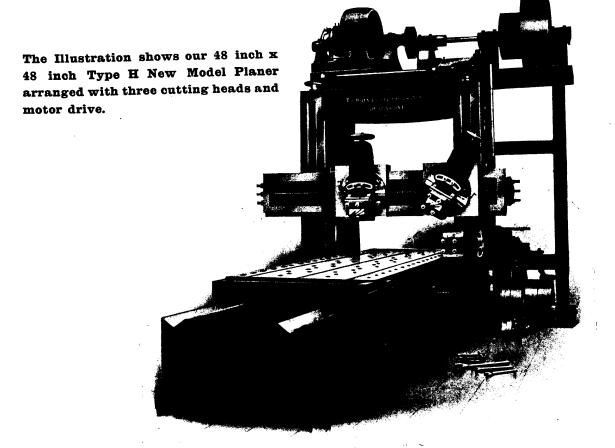
Vol. 55.

TORONTO, OCTOBER 18, 1907.

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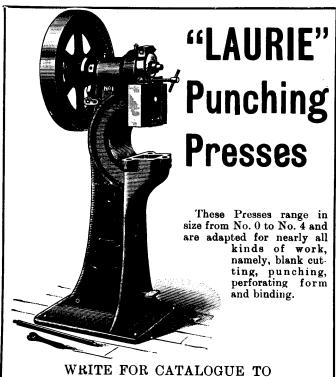
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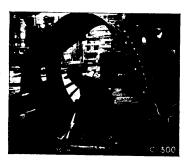
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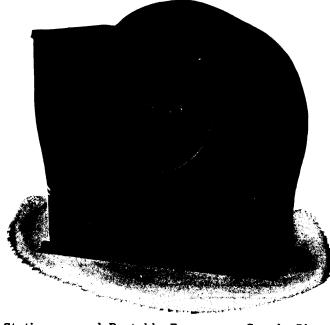
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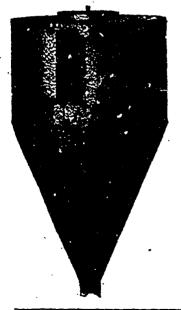
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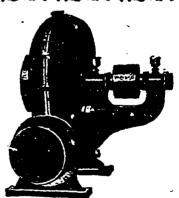
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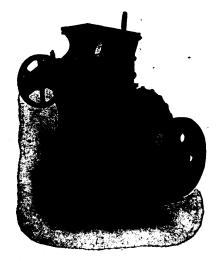


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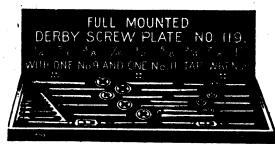
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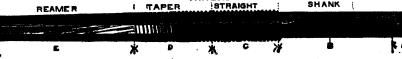
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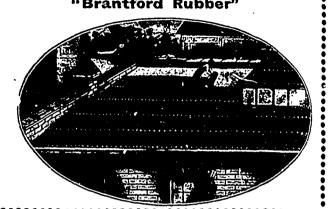
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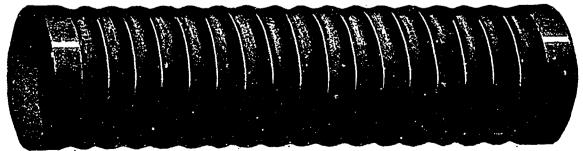


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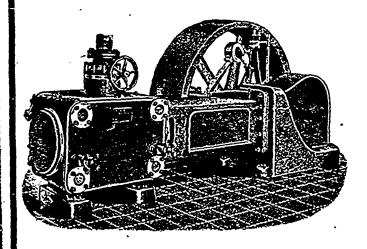
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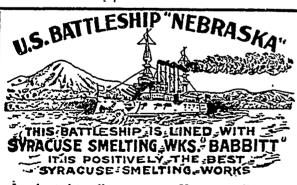
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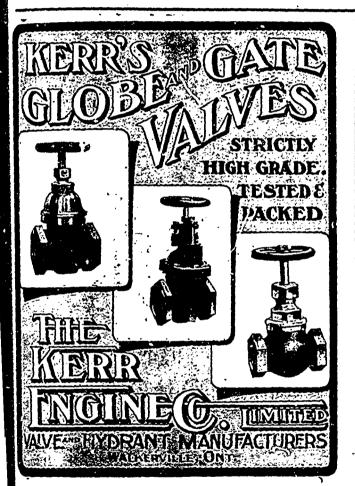
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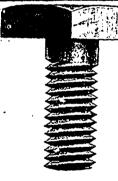
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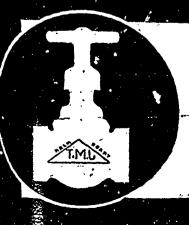


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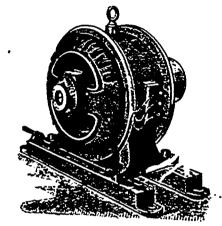
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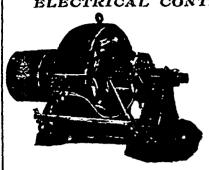
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This Company wishes to extend to the general Youghiogheny coal consuming public a letter of thanks for the past and present generous patronage extended to us, and we take much pleasure in making this announcement on account of the extensive number of congratulatory letters received since April 1st, coming from consumers who have entrusted their business to us. Nearly all of the above correspondents enthuse on the promptness of our shipments, quality of coal and care we take of their orders. If you, Mr. Consumer, are not on our books now, we would be pleased to have your trade, and you can rest assured that the same careful attention will be accorded to you which is bringing to us above-referred-to letters of commendation.

# THE MONONGAHELA RIVER CONSOLIDATED COAL AND COKE CO.

F. J. Durdan, Sales Agent, BUFFALO, N.Y.

# ELK FIRE BRICK

**LU.** St. Mary's, Pa.

Best Fire Brick for Any Purpose.

There are none "just as good."

## DUNBAR FIRE BRICK CO.

Manufacturers of High Grade FIRE CLAY and SILICA BRICK for Heating and Malleable Iron Furnaces, Glass Works, Cement Works—also Bee Hive and By-Product Coke Ovens, Brick and shapes of all kinds.

Pittsburgh Office: 1504 Arrott Building.

Office and Works: Dunbar, Pa.

Are you one of those who say to our canvasser, "Oh, I don't need a Mer cantile Agency—I know my customers better than you do." Perhaps so, but just to satisfy yourself, bring a list of reon: losses to our office. We will show you the reports we had when you thipped those goods on the say-so of some hapharard authority. We won't tree you to subscribe then—you will save us the trouble.

R. G. DUN & CO.



# "Beech Creek" FIRE BRICK

STRICTLY HIGH GRADE

MADE ONLY BY

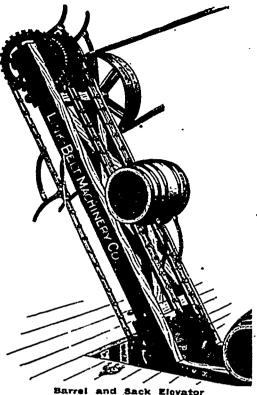
PENNSYLVANIA FIRE BRICK GO., BEECH CREEK, PA., U.S.A. Special Mixtures for use in Rolling Mills,
Malleable Iron Works, Steel Works, Blast
Furnaces, Glass Tanks, Cement Kilns
Locomotive Blocks, and all
High Grade Uses.

Difficult Shapes a Specialty.

Send for Catalogue and Prices.

MARDS: BEECH CREEK, BEECH CREEK ROOF, BEECH CREEK BUNG.

Who writing to Advertisers kindly mention The Canadian Manufactures.



# ELEVATORS AND CONVEYORS

FOR HANDLING ALL

Dry or Ground Substances, Wet Materials, Barrels, Sacks

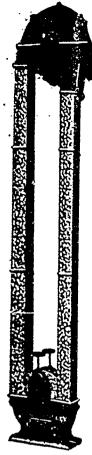
> And Miscellaneous Packages of all Descriptions.

The largest stock of Elevating and Conveying Appliances in Canada is at your disposal at i best prices.

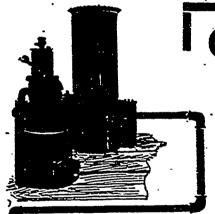
PROMPT SHIPMENTS A SPECIALTY.



Manufacturers Flour, Oatmeal, Cercal Machinery, Grain Choppers, Paint and Ink Machinery, Grin ing, Blending and Mixing Machinery, Chilled Iron Rolls and Rolling Mills, Trucks, Power Transmission, Elevating and Conveying Appliances.



All Metal Elevator



# CHEAPEST POWER PRODUCER

Relative Cost-Gas vs. Steam Power

Ordinary Steam Plant Burns 5 lbs. Coal Per H.P. Hour. Producer Gas Plant Burns ? 1b. Coal Per H.P. Hour,

### 100 H.P. STEAM PLANT

Days Ibs. 100 × 10 × 300 × 5 = 750 Tons 2,000

Cost at \$4.00 = \$3,000

### The Producer Gas Co.

11 Front St. E., TORONTO.

100 H.P. GAS PLANT

100 × 10 × 300 × 3/2 = 112 Tons 2,000

Cost at \$5.00=\$560

SAVING on Fuel \$2,440

Specialists in Large Cas Engines and Plants.

WRITE US.



ESTABLISHED IN 1990.

Published on the first and . Yird Fridays of each month

### The Canadian Manufacturer Publishing Co., Limited.

· 408 McKinnon Building, Toronto. Also London, Eng., and Philadelphia, Pa.

J. J. CASSIDEY, )

r. s. KEITH,

D. O. MCKINNON. A. B. FARMER,

Editors

Business Manager.

Subscription Representative.

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#### THE NEW AUSTRALIAN TARIFF.

We have much pleasure in publishing in this issue of THE CANADIAN MANUFACTURER an exact, authentic and official copy of the new Australian tariff, which was introduced by the Federal treasurer in the House of Representatives of the Commonwealth of Australia on August 8 last, and which immediately went into operation. This tariff has yet to be considered by the Commonwealth parliament, and it may be that some changes may be made in some of the items; but the fact that such ment and important changes from the previous tariff me proposed, it is not probable any important canges will be made in it.

The Chamber of Commerce Journal of London says that a glance at the new tariff will demonstrate the fact that it's main object is not so much to give a preference to British goods as to protect local industries, and although a preference is indeed given in a large number of ess, there has been a simultaneous increase of duty. A striking instance of this is the duty on bicycles, forperly 20 per cent., and now five pounds sterling or 25 percent.. whichever is the higher. British motor vehicles, o, will have a preference of 10 per cent. over the forign, but the duty has been increased from 20 to 25 per at. Woolen or silk apparel from England will receive presence of 5 per cent., the duty at the same time saving been raised from 25 to 40 per cent. In mining furthinery, also, a preference of 10 per cent. is accompanied by an actual increase of the duty from 12½ to 25 ent. Many similar instances could be cited, but the megoing are sufficient to show the general tendency d the new tariff.

The "preference" is therefore not looked upon as likely to be of much benefit to British trade, as it is mullified by these increases of duty.

The Australians know the need of tariff protection to their domestic industries, and will have it. The previous tariff was strongly impregnated with protection, but there was not quite enough of the leaven to leaven the whole lump, and, therefore, the increase of the good thing. Some Canadian manufacturers may find the increase somewhat uncomfortable, but, the most of them being strong protectionists, and feeling the want of more protection in Canada, shake hands with the Commonwealth and congratulate her on the existence of so many Gurneyites among them. Australia intends to build up her manufacturing industries, even if British manufacturers don't like it.

We congratulate Australia.

#### BUSINESS FOLLY.

The Globe publishes an editorial entitled "Business Folly in Business Men" in which it comments on the conduct of the Canadian Pacific Railway Telegraph Co in its relations with the press of Western Canada, speaking of it as a fair illustration of the amazing business folly so often met with in men responsible for the management of large business enterprizes. There is, it says, no other folly quite so foolish in the whole business world. This is especially true in the case of enterprises that depend on the good will of the public either for profitable patronage or for charter privileges.

Another instance The Globe comments on is supplied by the management of the Toronto Street Railway. Its disregard of public rights and its defiance of public opinion has converted a very large and powerful body of opinion to the policy of municipal operation of the street railway service.

Folly of the same narrow-visioned and reactionary kind, it says, is some time proposed by some high tariff extremists among the manufacturers. We quote from The Globe's article:

"It is suggested that the extreme protectionists in the Canadian Manufacturers' Association agree to withhold all advertising from newspapers like The Globe because of their opposition to the high tariff propaganda of a few of the protected manufacturers. That would indeed he the height of business folly, from which the manufacturers of Canada, if they really value the privileges secured to them by a protective tariff, might well pray to be delivered. If there is one thing needed to arouse indignation in the good-natured purchasing publicthe wage-earners and salaried classes, the farmers, and miners, and lumbermen, and fishermen, who have borne with considerable patience the burdens imposed for the sake of the manufacturers—that one thing is a hightariff demand from a few prosperous and protected industries, accompanied by a boycott on the part of their managers of the newspapers that will not join in the high protectionist campaign. That would be a "Haman's gallows" in dead certainty, and the boycott would be the inescapable noose."

As far as our knowledge and information goes, in this reference to the "extreme protectionists" in the Canadian Manufacturers' Association or out of it The Globe



MANUFACTURER—MR. CONSUMER, PRAY DON'T LOSE YOUR TEMPER OVER THE RAVINGS OF THIS PARTY; I ASSURE YOU I WOULD FEEL MUCH MORE COMFORTABLE IF I COULD GET RID OF HIM.

sets up a man of straw to afford an enemy with which to fight. It is accustomed to that kind of warfare. It is not surprising, however, that manufacturers should become somewhat wearied at the action of The Globe and resent it. Day after day the editorial pages of The Globe teem with as bitter and unkind and untruthful remarks concerning the manufacturers and the fiscal policy which they espouse as the editor can imagine, and both by cartoon and by text everything is right and proper in its estimation that could in any way injure Canadian manufacturers. In evidence of this mean and low desire kindly observe in this page the cartoon reproduced from The Globe of October 2. Its hate of protection and of protectionists, so constantly repeated, has, in its issue of October 5, three days after its disreputable cartoon representing a most excellent citizen of Toronto, and a manufacturer withal, who gives profitable employment to hundreds of skilled mechanics, has become possessed of a flea in its ear, and fearing that manufacturers who have for a long time bestowed advertising patronage upon it, becomes fearful of its withdrawal, and, instead of apologizing for its wrong course, or at least abandoning it, flies into a rage and threatens the manufacturers with all sorts of dire calamities if they should indignantly resent it by ceasing to advertise in it.

The fact is, the tariff has been reduced in many directions until many manufacturers are actually in extremes. According to a census report, in one-third of the manufacturing industries in Canada, enumerated in the census bulletins, the output in 1906 was actually less than in 1901; and 20 per cent. of the industrial towns in Canada thus enumerated actually produced less goods in 1906 than five years before. Why? Hundreds of millions of dollars are being expended in Canada on railroads and other public works, and there is a consequent demand for all sorts of goods. The policy of The Globe and of the Government which it supports, is to purchase these supplies from-not Canadian manufacturers, but from abroad, to the enrichment of foreign manufacturers and to the support of foreign labor. The cost of living in Canada is higher at this time than in any other country in the world, and the wages of labor are also higher; and what tariff protection there may have been in 1897 has since disappeared. And The Globe takes pleasure in describing Canadian manufacturers—even those of them who have advertised in its pages, as bloated "old men of the sea" who sit astride the shoulders of the people. It seems to be impossible to restrain the insane utterances of The Globe; and it would not be surprising that manufacturers should resent the exhibitions of insanity by letting it severely alone.

#### THE GLOBE AND THE MANUFACTURERS.

The opposite cartoon, reproduced from The Toronto Globe of October 2, illustrates more forcibly than any words of ours the forces which are working against the interests of Canadian manufacturers.

In season and out of season, The Globe, the acknowledged organ of the Dominion Government, in its advocacy of free trade, constantly urges further reduction in the tariff. It is thus carrying on an educational campaign which is intended to influence the opinion of those who do not fully understand the economic conditions which prevail in Canada, and who do not study the facts carefully and thoroughly.

In the cartoon the general public is represented as a "buyer" willing to listen to argument, but who may not give much serious-thought to such an important matter; but as long as the imports of foreign goods into Canada, which in 'the last fiscal year amounted to more than \$365,000,000 in value, it is not fair to picture the consumer as buying only goods "made in Canada."

The best point made in The Globe's cartoon is the attitude of the figure representing the Canadian Manuiscturers' Association. It is an historical fact that all great reforms and all great educational campaigns have been carried to success by men of convictions-men who knew they were in the right-men who were not ashamed to bear the scoffs and jeers and contumely for the sake of their cause such as The Globe in its vulgar cartoon pours upon Mr. Gurney and others who think with him. The manufacturers of Canada know that the present tariff is not high enough to adequately protect most Canadian manufacturing industries, and to safeguard the interests of both employers and employees in such industries. But instead of giving official utterance to this conviction, the Association has tried to convince itself that "the tariff is out of politics." It has time and again sent its deputations to the Government who were airaid to-speak out openly and boldly what they knew to be just glaims of manufacturers generally, with the risult that they were treated with the inattention and contempt that politicians in power usually show to weakfaced suppliants. When at the recent meeting of the Association some of the members, like Mr. Gurney, had the courage to express their convictions, and to renew their fealty to "the good old N.P." a tone of apology was adopted, and The Globe's cartoonist was quick to eich the attitude of the Association.

#### EDITORIAL NOTES.

The 1-on Age says: "Whereas before the establishment of American tin-plate manufacture this country

took much more of the Welsh product than all other countries combined, the United States receives to-day less than one-seventh of the exports from Wales, though still the largest single customer. For the fiscal year ended June 30 our imports of tin and terms plates were 63,629 gross tons, as compared with 53,937 fons in the previous year. Meanwhile our production is at the rate of about 550,000 gross tons a year."

The manufacturers realize that the tariff can never go out of politics till protection is out of the tariff.—The Globe.

The Globe is right. What is politics? Free trade to the free traders is politics plain and simple. To the protectionist it is the most intense politics imaginable, and to say that the tariff is not a political question is deception. Protectionists who understand what their true interests are, cannot afford to shut their eyes to the fact that the tariff can never be out of politics.

The only effective way to exclude foreign competition is to reduce prices at home.—The Globe.

To further encourage foreign competition would be for manufacturers to cease production of many lines, But then there would be a wider market in Canada for the products of foreign labor and a narrower market for Canadian labor, which is what The Globe desires. As Saint Paul says: "He that provideth not for his own denieth the faith and is worse than an infidel." The Globe is that sort of infidel.

We are not prepared at this time to say that the proposed drawback alone would suffice to encourage the establishment of steel ship building, but, without prejudice to the request for a tonnage bounty, which has been laid before the government, if this great industry can be revived and stimulated by merely giving a drawback equal to the amount of duties on the materials imported, there should be no hesitation on the part of the Government in taking the proposed step at once. One thing is certain, and it is that Government assistance must come in the one form or the other.—Halifax, N.S., Chronicle.

The Globe makes answer and says that if the ship building industry in Canada need such assistance it is in a bad way and "needs crutches." Canada gives employment to large numbers of ships, but the Globe would rather see them built in Great Britain, and give employment to thousands of workmen there, than in Canada, when our own mechanics would have the work to do.

Mr. Borden has dropped the tariff-question because Mr. Fielding solved it.—London Advertiser.

Has Mr. Berden dropped it? Has Mr. Fielding solved it? Has it been solved? Sir Wilfrid Laurier promised at one time to give us "free trade as they have it in England," and it looks now that Sir Wilfrid and Mr. Fielding are doing all they can to hasten that day. But were that day actually have the tariff question would not be solved Imperial federation, nor preferential tariffs nor French treaties would solve it. It is in politics to stay, nor will it ever be taken out of politics. No doubt the free traders both in Canada and Great Britain would like to have it taken out of politics, but it will never be withdrawn.

New Rates.

# The Australian

Following is a copy of the Tariff Proposals which were introduced by the Federal Treasurer in the Commonwealth House of Representatives on 8th August, 1907.

The proposed tariff, which took effect from the date of introduction, provides for preferential rates of duty on certain goods, when the produce or manufacture of the United Kingdom, imported into the Commonwealth.

The tariff, as set out in these proposals, has yet to be considered by the Commonwealth Parliament and may be altered during its progress through Parliament.

#### AUSTRALIAN IMPORT DUTIES. THE GUSTOMS TARIFF.

All imitations to be dutiable at the rate chargeable on the goods they imitate, unless such rate is less than the rate which would

otherwise be chargeable on the imitations.
"Proof" or "Proof Spirit" means spirit of a strength equal to that of pure ethyl alcohol compounded with distilled water so that the resultant mixture at a temperature of 60° Fahrenheit has a specific gravity of 0.9198 as compared with that of distilled water at the same temperature.

The term "Iron" includes Steel.

"Sheet."

When applied to Metals, means a sheet or plate not exceeding three-sixteenths of an inch in thickness.

When applied to Glass, means a sheet or plate not exceeding one-eighth of an inch in thickness. "Plate."

When applied to Metals, means a plate or sheet more than three-sixteenths of an inch in thickness,

When applied to Glass, means a plate or sheet more than one-eighth of an inch in thickness.

"N.E.I." means "not elsewhere included."

"Departmental By-Law" means By-Law made by the Minister and published in the Gazette.

Any article not otherwise dutiable, composed of a combination of other articles, some of which are dutiable when imported separately, and of others free of duty when imported separately, shall be dealt with as follows:-

(a) When the value of the dutiable portion exceeds the value of the free portion, duty shall be charged upon the whole article at the same rate as would be chargeable on that portion of the dutiable portion which, if imported separately, would be liable to the highest rate of duty.

When the value of the free portion exceeds the value of the dutiable portion of such article, the whole article

shall be admitted free of duty.

#### IMPORT DUTIES.

TARIFF, ITEMS.	Old Rates. (British and Foreig Goods.	leneral Tariff.	Tariff on Goods the Produce or Manu- facture of the Unit-
Division I.	,,,,,,		d King-
Ale, Spirits and Beverages.		3	
1 Ale, porter, and other beer; cider, and perry, containing not less than 2 per cent. of proof spirit:—  (a) In bottle*		· ·	
(a) In bottle*	-1s. , ~	.` 1s: 6d. . 1s.	1s. 6d. 1s.
3 Spirits,† and spirituous liquors, n.e.i.— ad val.	20%	20%	20%′
(a) When not exceeding the strength of proof per gallon (b) When exceeding the strength of proof per proof gallon 4 Amylic alcohol and fusel oil per gallon 5 Collodion per gallon 6 Spirits denaturated, or to be denaturated in accordance with departmental by-laws prior to	14s. 14s. 14s. 3s.	14s. 14s. 14s. 3s.	14s. 14s. 14s. 3s.
delivery; and being not less than 65 o.p	1s. 25s.	1s. 25s.	1s. 25s.
(a) Not more than 25 per cent. of proof spirit	3s. 6d. 7s. 10s. 6d. 7 iii 14s.	3s. 6d. 7s. 10s. 6d. 14s. 14s.	38. 6d. 78. 10s. 6d. 14s. 14s.

Six reputed quarts or 12 reputed pints, or 24 reputed half-pints to be charged as one gallon.
† Spirits in cases of two gallons and under, to be charged as two gallons; over two gallons and not exceeding three gallons as three gallons; over three gallons and ander, we be classed as two gallons; and so on, provided that small bottles or distributions intended for samples or other special purposes only may be entered at actual measurement.

1Spirituous fruit ethers were classed as "spirits" under the old tariff at the rate of 14s. per proof gallon.

When writing to Advertisers kindly mention THE CANADIAN MANUFACTURES.

		New	Rates.
•	Old Rates.		Tariff on Goods the
TARIFF ITEMS	(British and Foreign	General	Produce or Manu-
· / · /	Goods.)	Tariff.	facture of the
0 Sulphusia other and other athers as i		4	United Kingdom.
9 Sulphuric ether and other ethers, n.e.i.:—  (a) Containing 5 per cent. and more of proof spirit	14s.	148.	14s.
(b) Containing less than 5 per cent. of proof spirit	Free.	Free.	Frec.
10 Non-spirituous ethercal fruit essences and artifical fruit essences, ethers, aromas and flavors.  ad val.	15%	15%	15%
11 Wine, sparkling*per callon	128.	12s.	128.
12 Wine, still (including medicated and vermouth):—  (a) In bottle†per gallon	8s.	88.	8s.
(b) In bulkper gallon	6s.	6s.	6s
(c) Containing more than 35 per cent. of proof spirit; for each 1 per cent. of proof spirit over 35 per cent. up to and including 40 per cent additional per gallon	, 6d. '	<b>6</b> d.	6d. ·
(d) Containing more than 40 per cent of proof spiritper gallon	14s.	145.	149.
13 Wine (grape); unfermented:	3s.	3s.	3s.
(d) Not more than 25 per cent. of proof spiritper gallon	Wine (except	3ș. 6d.	38. 6d.
•	ginger)‡ In bottle, 8s.,		•
	other, 6s.		
(b) More than 25 per cent. but not more than 50 per cent. or proof spirit per gallon	An additional duty of bd.	78.	76.
	per gallon for		
•	each 1% of proof spirit over		
	35% up to 40%.	14в.	14s.
(c) More than 50 per cent of proof spiritper gallon 15 Limejuice and other fruit juices and fruit syrups, containing not more than 2 per cent of	Above 40%,14s.		
proof spirit	9d.	9d.	9d.
16 Table vaters (grated or mineral), and preparations, n.c.i., packed for household use for the production thereof	20%	25%	25%
			70
Division II.			
Tobacco and Manujactures thereoj.			
17 Tobacco, manufactured n.c.i., including the weight of tags, labels, and other attachments.	3s. 3d.	3s. 6d.	3s. 6d.
per lb.  18 Tobacco, cut n.c.i	3s. 3d.	3s. 9d.	3s. 9d.
19 Tobacco, cut fine for cigarettes	39.3d. 3s. 3d.	6s. 6d. 3s. 3d.	6s. 6d. 3s. 3d.
21 Tobacco, unmanufactured, but entered to be locally manufactured into tobacco or cigarettes	35. Ju.	os. ou.	95. 9U.
—to be paid at the time of removal to the factory:—	1s. 6d.	1s. 9d.	1s. 9d.
(a) Unsternined per lb. (b) Stemmed or in strips per lb.	1s. 6d.	2s.	28.
(c) Clippings and cuttings and any similar wasteper lb.	1s. 6d.	48.	4s.
22 Tobacco, unmanufactured, but entered to be locally manufactured into cigars—to be paid at the time of removal to the factory.—	••	~	
(a) Unsterimed	1s. 6d. 1s. 6d.	3s. 3s. 3d.	3s. 3s. 3d.
(c) Clippings and cuttings and any similar wasteper lb.	18. 6d.	48.	38. 3u. 48.
23 Tobacco destroyed for manufacture of sheepwash or other purposes under departmental	Free.	Free.	Free.
by-laws	6s. 3d.	68. 3d.	6s. 7d.
and ad val.	15%	15%	15%
25 Cigarettes, including weight of cards and mouth-pieces contained in inside packagesper lb. 26 Snuffper lb.	6s. 6d. 6s. 6d.	6s. 6d. 6s. 6d.	6s. 6d. 6s. 6d.
	•		
Division III.	•		
Sugar:			
		``.	
27 Glucose	8s. 6s.	8s. 6s.	8s. 6s.
29 Invert gupar and invert syrup, including brewers' priming sugarsper cwt.	10s.	6s.	6s.
30 Sugar, n.c.i	10s. 3s.	10s. 3s.	10s. 3s.
32 Molassesper cwt.	Free.	_ js.	ïs.
``			

<sup>\*</sup>Three magnums, six reputed quarts, 12 reputed pints, or 24 reputed half-pints, to be charged as one gallon. this reputed quarts, 12 reputed pints, or 24 reputed half-pints, to be charged as one gallon. The rate on ginger wine was the same under the old tariff as under these proposals.

When writing to Advertisers kindly mention The Canadian Manufacturer.

				New	Rates.
in the state of th			Old Rates.		Tariff on Goods the
	TARIFF ITEMS.		British and Foreign	General	Produce
		*	Goods).	Tariff.	facture of
	Division IV.		ا ا	-	Kingdom.
			r grængen. Fransk f		
	Agricultural Products and Groceries.				
Anima	s, living; (except for stud purposes), viz.:—				
	Horned cattle		Free.	10s.	10s.
	Pigs		Free. Free.	2s. 5s.	2s. 5s.
	nd tapioca		4s. per cental	₹d.	₹d.
	s		1d.	1 <u>₹</u> d.	1 <del>1</del> d.
Blue, l	aundry	per lb.	1d.	2d.	2d.
	corn millet and rice straw		4s. Free.	4s. 2s.	4s. 2s.
Butter	and cheese.	per centar	3d.	2s. 3d.	28. 3rd.
Candle	s, tapers, and night lights:—	•	:		
	Paraffine wax, wholly or in part		1d.	21d.	2d.
	N.E.I.		1d.	1 <del>1</del> d.	1d.
	oirit heaters, including the weight of the immediate containing, paraffin wax, beeswax, and Japanese or vegetable wax		1d. <del>1</del> d.	1d. 1d.	1d. 1d.
Ca	nambria and ceresine	per lb.	₃d. ₃d.	1d.	1d. 1d.
Lard a	nd lard oil; and refined fats, n.e.i	per lb.	}d.	1d.	1d.
fixed :	or compounded waxes, liquid or solid	per lb.	Not tariffed.	1d.	1d.
	ionery, cocoa and chocolate, viz.:—			,	
( <b>B</b> .	<ul> <li>Confectionery, n.e.i., including cocoa and chocolate pre potable use (not in powdered form); bon-bons and mixed</li> </ul>				
	containing trinkets (gross weights); sugar candy; cach				
	candied fruits	perlb.6	Cocoa & choeolate	3 <del>1</del> d.	3½d.
		_	1d.; other 2d.		
	Confectionery, ornamental but not edible			25%	25%
	Cocoa and chocolate, for potable use, in powdered form Cocoa beans		1d. Free.	2½d. Free.	2d. Free.
	Cocoa shells and nibs		Free.	₹d.	₽1ee. 1d.
` '	Cocoa mass paste or slab unsweetened	per lb.	Not tariffed.	₫d.	₫d.
	Cocoa butter; caramel; caramel paste and caramel butter.		1d.	1. 1. d.	1 <del>1</del> d.
	ce, viz.:—		TO	103	
	Root in its natural state		Free. 1d.	Free.	Free.
	Other		2d.	31d.	31d.
offee a	and chicory, viz.:—			0,1	
(a)	Raw and kiln dried	per lb.	3d.	3d.	3d.
	Roasted, or ground; in liquid form; or mixed with milk or		5d.	6d.	6d.
	shell		6d. 6d. per doz.	6d. 1s. 4d.	6d. 1s. 4d.
gg yo	lk, dry	per lb.	6d. per doz.	8 <b>3</b> d.	8 <del>1</del> d.
lgg all	oumen, dry	per lb.	6d. per doz. (a)		2s. 6d.
Egg (n	ot in shell) in liquid form, when imported for use in industrie	es other than those for the			
	eparation of articles of food, and denaturated, may, as pre- laws, be delivered free.	escribed by departmental	رام (در این این در این در مسعد در این د		•
Fish, v		•			
(a)	Fresh, smoked, dried, or preserved by cold process	per lb.	1d.	11d.	11d.
	Potted or concentrated, including extracts of and caviare		20%	25%	25%
(c)	Preserved in tins or other air-tight vessels (except fish p	reserved in salt or brine,		`	
· · · (A	and smoked or dried) including the weight of liquid conter N.E.I	ntsperlb.	1d.	1 ½d.	1 <u>1</u> d.
(u (e)	Oysters, fresh, in the shell	ner cwt	5s. 2s.	5s. 2s.	5s. 2s.
	and vegetables, viz.:—	•	26.	26.	۷۵۰,
• • • •	Fruits, dried, viz.—		•		28
	(a) Currants	per lb.	2d.	3d.	3d.
	(b) Dates		1d.	2d.	2d.
	drained or dried	na nour, and peel candled ner lh	• 3d.	3d.	3d.
	(d) Ginger preserved (not in liquid)	per lb.	3d.	3d.	3d.
	Fruits and vegetables, including ginger (preserved in liqu		•		
	pulped)—	•	AND THE RESERVE		
	(e) Half-pints and smaller sizes(f) Pints and over half-pints	per dozen	9d.	9d.	9d.
•	(g) Quarts and over pints	per dozen	1s. 6d. 3s.	1s. 6d. 3s.	1s. 6d. 3s.
	(h) Exceeding a quart	per gallon	1s.	38. 18.	3s. 1s.
	(i) When preserved in spirtuous liquid, additional duty at	14s. per gallon to be paid(	Ginger, preserved		- T, t
	on the liquid.	·	in liquid, 11d		
	the same of the sa		man IL V	egn. Tipe	-1 13 B
(a) C-	nouted for duty as follows under a Customs desiries	The street of th	per lb.)		
	nputed for duty as follows under a Customs decision— hole egg without shell 6.03 ozs. to equal one doz	en fresh evos		i. Tedy Nicholog	
W Eg	nputed for duty as follows under a Customs decision— hole egg without shell	en fresh eggs. "		4. (194 <b>)</b> 51 62 99	er in 197 Verille 1984 •

When writing to Advertisers kindly mention THE CANADIAN MANUFACTURES.

•		New	Rates.
•	•		Tariff on
TARIFF ITEMS.	Old Rates.	<b>a</b> .,	Goods the Produce
, INDIES II DAG.	(British and Foreign Goods).	General Tariff.	or Manu- facture
•			of the United
55 Fruits, n.e.iper cental.	2s.	28.	Kingdom.
Fresh Lychee nutsper cental	Not tariffed.	28.	25.
56 Fruits, citrusper lb	2s. per cental	₫d.	1d.
57 Ginger, green	2 <b>d</b> .	1d.	1d.
59 Bananas: per cental	1d.	1d. 1s.	1d. 1s.
60 Vegetables, n.e.iper cental	1s. } 1s.	_	28.
61 Vegetables, dried, drysalted, concentrated, compressed, or powdered	18. 15% 18.	20%	20%
62 Onions, in their natural state	187	18.	18.
64 Potato flourper cwt.	18. 18.	1s. 2d.	1s. 2d.
65 Gmin änd pulse, not prepared or manufactured—		zu.	20.
(a) Barleyper cental	1s. 6d.	2s.	2s.
(b) N.E.Tper cental 66 Grain and pulse, prepared or manufactured, viz.:—.	1s. 6d.	1s. 6d.	1s. 6d.
(a) Bran, pollard and sharpsper cental	1s.	16.	18.
(b) Wheaten flourper cental	2s. 6d.	2s. 6d.	2s. 6d.
(c) Corn flour per lb	. ₃d.	2d.	2d.
(d) N.E.I., including phosphorized wheat:	2s. 6d.	₹d.	<u></u> }d.
67 Animal foods, n.e.iper cental	per cental. Not tariffed.	20	20
6S Hay and chaffper cwt	Not tanned. 1s.	2s. 1s.	2s. 1s.
69 Strawper cwt	Free.	18.	1s.
70 Herbs, dried (not medicinal)per lb.	Not tariffed.	4d.	4d.
71 Honey, jams, and jellies; including calves' foot but not meat jelliesper lb. 72 Hopsper lb.	1½d. 6d.	2d.	2d.
73 Linseedper cental	2s.	6d. 2s.	6d. 2s.
74 Linseed for the manufacture of oil and cake under departmental by-laws	Free.	Free.	Free.
75 Linsced mealper cental	4s.	48.	48.
76 Linseed cake and oil cake	18.	ls.	18.
77 Artowioot, macatom, and vermicemper 10.	Arrowroot 1d., other 1d.	ld.	1d.
78-Malt, including granulated, maize, and rice malts and roasted, or torrefied barley per cental	6s.	6s.	6s.
29 Malt extract, non-spirituous, including peptonized malt extractper lb.	2d.	2d.	2d.
50 Matches and vestas of all kinds—  (a) In boxes containing 100 or less of matches or vestasper gross of boxes	<b>6.1</b>	1 01	101
(b) In boxes containing over 100, but not exceeding 200 matches or vestas	6d. per gross of boxes	1r. 9d.	1s. 6d.
per gross of boxes	(each box	3s. 6d.	์ 3ะ.
(c) For each additional 100, or portion of 100 matches or vestas per box, an additional	containing 100	_	
dutyper gross of boxes	matches or	1s. 9d.	1s. 6d.
(d) When in boxes with matter thereon advertising any commodity other than the matches contained therein, in addition to the duties set out in (a), (b), (c) above.	vestas or part thereof.)		
per gross of boxes	•	7d.	6d.
81 Meats, poultry, and game, viz.:—	_ •		
(a) Fresh or smoked	1d.	2d.	2d.
(c) Preserved in tins or other air-tight vessels, including the weight of liquid contents	20%	25%	25%
per lb.	1 <u>1</u> d.	1 <del>1</del> d.	1 <u>1</u> d.
(d) Soup in tins or other air-tight vesselsper lb.	Not tarified.	13d.	13d.
(c) N.E.I	5s.	. 53.	5s.
(i) Preserved by cold process	Free.	2d. 3d.	2d. 3d.
Si Sausage casings	· Free.	2d.	2d.
St Milk (including cream)—			
(a) Preserved, condensed, concentrated, peptonized, and frozen.	4 .J	01.3	6.3
(1) Sweetened	1d. 1d.	2¦d. 1¦d.	2d. 1d.
(b) Dried or in powder formper lb.	1d.	2}d.	2d.
85 Mustard seed	Free.	₫d.	₫d.
So Mustard, including French mustardper lb.	2d.	3d. •	3d.
87 Nuts—edible, viz.— (a) Cocoanuts, wholeper cwt.	1s. ·	18.	1s.
(a) Cocoanuts, whole the cocoanuts, prepared per lb.	2d.	2d.	2d.
(c) Almonds, unshelledper lb.	2d.	2d.	2d.
(d) Almonds kernelsper lb.	2d.	4d.	4d.
(e) N.E.I., whole or preparedper lb. (f) Almond paste and mealper lb.	2d. 2d.	2d. 4d.	2d. -4d.
(1) Almond paste-and mealper 10.	Fred.	Free.	Free.
89 Oilmen's stores, n.e.i., being groceries, including culinary and flavoring essences non-spirit-	•		
uous, soap dyes, condition foods, and other preparations used in the household,		000-	
including food for birds	15% Fréé.	20% Free.	15% Frèc.
		T. 166.	a 100.
When writing to Advertisers kindly mention The Canadian Manufa		•	

- links		New	Rates
TARIFF_ITEMR	Old Rates (British and Foreign Goods.	General	Tariff on Goods the Produce or Manu- facture of
			the United King.
(a) In sheets	Free. Free. Free.	Free. 15% Free.	Free. 15% Free.
93 Pickles, sauces, chutney, olives, and capers—  (a) Quarter-pints and smaller sizes	6d.	71d.	6d.
(b) Half-pints and over quarter-pints	1s. 2s. 4s.	1s. 3d. 2s. 6d. 5s.	1s. 2s. 4s.
(e) Exceeding a quart	1s. 4d. 15%	1s. 8d. 35%	1s. 4d. 25%
94 Rice, viz.—  (a) Uncleaned	3s. 4d.	3s. 4d.	3s. 4d.
(c) N.E.I., including rice meal and flour	6s.	6в.	68.
net weightad val.  96 Salt—	12s. 6d. per ton	15%	15%
(a) Brown, or dark red rock.  (b) N.E.I., including pink rock	Free. 12s. 6d. per ton 1s. 6d. 4s.	Free. 20s: 1s. 6d. 4s.	Free. 20s. 1s. 6d. 4s.
100 Soap	Perfumed, etc., 3d. per lb. Other kinds, 3d. per lb	25%	25%
101 Spices, viz.—  (a) Unground, n.e.i	2d. 4d. Free. 2d. - 4d.	2d. 4d. Free. 2½d. 2½d.	2d. 4d. Free. 2d. 2d.
105 Tea—  (a) In packets not exceeding 20 lbs. in weight	Free. Free.	1d. Free.	1d. Free.
Division V.			
Textiles, Felts and Furs, and Manujactures thereoj, and Altire.			
106 Apparel and attire—woolen or silk, or containing wool or silk—partly or wholly made up; including articles cut into shape	<b>25%</b>	45%	40%
cravats; lace fichus; plastrons; yokes; rabats and fronts; garters; corset supporters; skirt bands; skirt elevators and retainers; dress and stocking suspenders; children's rope lanyards; teething necklaces; eye shades; belts and belt frames and supports; braces and brace ends; girdles; collar springs frames loops supports and fasteners; hair frames binders and fasteners; hat guards; puggarees; pins of all kinds, n.e.i.; handkerchiefs of silk; suspensory bandages; artificial bosoms; chest protectors; shoulder pads; baptizing and wading pants; bridal sets; leggings, n.e.i.; gaiters; and puttees ad val.	Towels and handkerchiefs made of cotton or linen; 15%; apparel and attire and ar- ticles, n.o.i., partly or	40%	35%
108 Articles, n.e.i.; including dusters, n.e.i.; cleaning pads; kettle holders; polishing, tea, glass, kitchen, sponge, counter, and crumb cloths; scapular prints; canvas water holders; animal clothing; horse and body rollers; saddle cloths; sleeping sacks; tracing cloth with designs; hair curiers and wavers; adhesive labels, and letters (textile); hangers,	wholly made up (not being piece goods), 25%.	· · ·	şt ,,
labels, bands, and ribbons, with woven name or design therein; scourers, and other articles of a like character	15% 25% Free. Sashes, Free.	30% 15% 30% Free. Free.	25% 15% 30% Free.
112 Regand, viz., embloidery woven sasnes and control.  113 Bags and sacks of calico, hessian, n.e.i., and linen, and meat wraps, whether partly or wholly made up; and bags and sacks, n.e.i	F10%	15%	15%
114 Bags, sacks, packs and bales for bran, chaff, compressed fodder, potato, onion, ore, coal and wool; also sugar mats, and corn and flour sacks.	free.	Free.	Free.
Bags for salt, gypsum and manure.  When writing to Advertisers kindly mention THE CANADIAN MANUF	Not tariffed.		· •

•		New	Rates.
• ,5 .	A		Tariff on
MADERN INTERNAL	Old Rates		Goods the Produce
. TARIFF ITEMS.	(British and Foreign Goods).	General Tariff.	or Manu- facture of the United
15 Blankets (except of rubber); blanketing; flannels, including domett; rugs, n.e.i., including			Kingdom
buggy rugs or aprons, and rugging	15%	30%	30%
dusters; and floor rugs and coverings (including felts and pads)ad val.	15%	20%	20%
17 Coir mats and matting	15%	25%	25%
spreads, table mats, splashers, tablecloths, runners, mantle borders, toilet sets, bags for linen, brush and comb bags, nightdress cases, antimacassars, handkerchief sachets ad val.	20%	25%	20%
119 Curtains	15%	25%	20%
Blinds, n.e.i. (not including blinds attached to rollers); curtain clips, bands, loops, and		,,	••
holders; and blind tassels and acorns	Not tariffed.		
(a) Furs, being apparel or attire or other article in part or wholly made up, including			
furs sewn together	Not tariffed.	35%	35%
(b) Fur and other skins, n.e.i., dressed or prepared for making upad val.	15%	15%	15%
(c) Hatters' fur, not on the skin	15% 20%	15%	15%
122 Hats, caps, and bonnets—	20%	30%	20%
(a) Of all descriptions and materials, n.e.i., including forms and pull-over hoods and			
shapes, and frames, n.c.i	30%	35%	30%
(b) Firemen's heliaets, and miners' hats	Free.	Free.	Free.
123 Parasols, sunshades, and umbrellas	20%	20%	20%
(a) Woolen, or containing wool, n.e.i	15%	35%	30%
(b) Denims, striped and fancy	5%	35%	30%
(c) Silk, or containing silk or having silk worked thereon	15%	20%	15%
(d) Velvets, velveteens, plushes, ribbons, galoons, not being bindings; lace for attire;	The day of the same		
lace flouncings; millinery and dress nets; veilings; embroideries in the piece; tucked linens	Tucked lawns, 20%; other, 15%	20%	15%
Tucked cottons; boxed robes when shaped or sewn	Not tariffed.	20%	15%.
(c) Cotton, linen, jute, and other piece goods, n.e.i.; oil baize; leather cloth; dunga-			•
ree; denims other than striped and fancy; moleskins and corduroysad val.	5%	10%	5%
(f) Piece goods, other than of wool or silk, suitable for human apparel, or to be worn in connection with the human body, having on one or both sides a teased, treated,			•
combed, fluffed, or raised nap or surface in imitation of or resembling flannel or			•
wool in feel or appearance	Flannelettes, 15%	25%	20%
125 Waddings and cotton wool	Free.	20%	15%
126 Bunting; sheathing felt	Free.	Free.	Free.
covering steam pipes and boilers	Not tariffed.	Free.	Free.
127 Saddlers' webs: upholsterers' webs: collar check; kersey; saddlers' serge and felt	Free.	Free.	Free.
128 Horse-hair cloth and cloth of horse-hair and cotton, or horse-hair and wool combined; hop-	, ·	-	-
cloth	Free. Free.	Free. Free.	Free. Free.
130 Canvas and duck, tent sail and tarpaulin makers'	Free.	Free.	Free.
Ill Hessians and brattice cloth	Free.	Free.	Free.
132 Fringes of textile materials, not being for attire	Free.	Free.	Free.
133 Socks and stockings, woolen, with or without silk or other ornamentation	15% 10%	30%	25%
134 Socks and stockings, cotton, with or without silk or other ornamentation ad val. 135 Socks and stockings, silk, or partly of silk and other material not being cotton or woolad val.	25%	25% 30%	15% 20 <u>22-2</u>
136 Tents and tarpauling, sails and flags—	. 2070		200
(a) Tents, tarpaulins, and sais	5%	15%	15%
(b) Flags and banners over 1 foot in length	'5%	20%	20%
137 Trimmings and ornaments, n.e.i., for bonnets, hats, shoes, and other attire, not being in part or wholly of gold or alver; including buckles; clasps; slides; buttons; badges.			
n.e.i., fringes, n.e.i.; braids, n.e.i.; piping; gimp, n.e.i.; crowns and bandeaux for	•		
hats; natural and imitation birds and wings; tinsel cloth; tinsel belting and thread;			
frillings: ruffling: pleating: and ruchings	15% and 20%	25%	15%
138 Bayonets, swords, scabbards, and attachments; embroidered cap peaks; waist belts; medals;		•	
and all accourrements, badges, buttons, braid, and lace for naval, military, and militia uniforms may be delivered free under departmental by-laws.			•
139 Artificial plants, flowers, fruits, leaves, and grains of all kinds and materialsad val.	15% · · ·	30%	25%
140 Wigs; hair-nets; and articles of natural or imitation hair	20%	30%	30%

<sup>\*</sup>Definition of Piece Goods.—When material is defined by selvedge or by pattern for cutting up into separate articles, it is not be considered Piece Goods but as dutiable under the heading applying to the article into which it is designed to be made. Tasseled, Wipped (with or without loops), or Taped Curtain material, when not defined for cutting up, is to be considered Piece Goods.

When writing to Advertisers kindly mention THE CANADIAN MANUFACTURER.

odracija. Karan K<sup>era</sup>laki o

<sup>†</sup>Subject to rebate under the conditions specified in the Schedule hereto.

			New	Rates.
				Tariff on
		Old Rates		Goods the Produce
	TARIFF ITEMS.	British and Foreign	General	or Manu-
		Goods.	Tariff.	facture
				of the United
• 1		,		Kingdom.
	Division VI.		•	1
*** •.	Metals and Machinery.*			
		F	E- 03 '	F.
	Ammunition, viz., shot, bullets, and slugsper ewt.	5s.	5s. 6d.	5s.
142	Arms, viz.—	1007	11-	10-
	(a) Double-barrellel guns and rifles	10%	11s.	10s.
	(b) Single-barrelled guns and rifleseach	10%	5s. 6d.	5s.
	(c) Revolvers, pistols, saloon and pea rifles, and air guns and pistolseach	15%	2s. 9d.	2s. 6d.
	(d) Barrels or actions other— (1) For double-barrelled gunseach	1007	E . C.	E
	(1) For double-parrelled guns.	10%	5s. 6d. 2s. 9d.	5s. 2s. 6d.
	(2) For single-barrelled gunseach (e) Bayonets, swords, fencing foils, and masks; gun, revolver, and pistol covers, cases	10%	28. 9u.	28. 0u.
		1507	99107	1507
	and fittings; loading tools, and cartridge belts	15%	221%	15%
	(f) N.E.Iad val.	20%	$22\frac{1}{2}\%$	15%
	(g) Rifles, military and match, including authorised cadet rifles and Morris tubes; gun	)	E07	TP
	stocks in the rough; barrels (not fitted to any action) bearing the British test mark.	art free; part 10%	5%	Free.
143	Iron, plate and sheet, viz.—	TP	OEAT	0007
	(a) Corrugated galvanizedad val.	Free.	25%	20%
	(b) Galvanized not corrugated, and corrugated not galvanized ad val.	15s. per ton.	20%	15%
144	Lamps and lampware, viz.:—			
	(a) Oil and other self-contained lamps, lanterns, and parts thereof, including one chim-		•	
	ney, shade, and globe, or other article imported with and used as an integral part of			
	any lamp or lantern; coach and carriage lamps and lamp irons; are lamps and	1204	0507	
•	accessories; and incandescent lamps and bulbs	15%	25%	15%
•	(b) Fittings for lighting purposes, including parts thereof (except chimneys, glass shades,	•		
	and globes); lamps and lampware, n.e.i. (but not the columns of street lamps);			
	metal reflectors and shades	15%	25%	15%
	(c) Lamp gas and electrical stoves, for heating and cookingad val.	15 %and 20%	30%	20%
	(d) Incandescent mantles	Not tariffed.	40%	30%
145	Lamps, miners' safety	Free.	, .	Free.
146	Lead, sheet and pipingper ton	Free.	50s.	50s.
147	Mangles, clothes-wringers, and washing machines, n.e.i	$12\frac{1}{2}\%$	20%	20%
148	Agricultural, horticultural, and viticultural machinery and implements, n.e.i.; including	*		
	cane loaders on wheels; channel-making graders; feed grinders; garden and field	V		
•	spraying machines; garden and field rollers; garden hose reels; garden syringes; horse	1.50		
	road rollers and machines; lawn mowers, sweepers and sprinklers; road-making ploughs;	1 · · · · · · · · · · · · · · · · · · ·		
	road scoops and scrapers; scoops; stump extractors	$12\frac{1}{2}\%$	20%	20%
149	Chaffcutters and horse gears; chaffcutter knives; corn shellers; corn huskers; cultivators	20% (except chaff	i	
, j	other than disc; harrows; ploughs other; plough shares; plough mould boards; scari-	cutter knives,		
	fiersad val.	free)	20%	20%
150	Combined corn sheller, husker, and bagger; combined corn sheller and husker; discs for			
	agricultural implements; disc cultivators; drills (fertilizer seed and grain), and all at-			
	tachments thereto; stump jump ploughs; winnowers (horse and other power); seats,		•	
	poles, swingle-bars, yokes, and trees for agricultural machines, when imported separately		* *	•
	ad val.	Mostly 25%	25%	25%
151	Churns of all kinds; cheese presses; dairy coolers; dairy refrigerators; supply cans; incuba-			
	tors, n.e.i.; foster mothers	121%	25%	25%
152	Stripper harvesterseach	£12	· £16	£16
153	Stripperseach	<b>£</b> 6	£8	£8
	Metal parts of stripper harvesters and strippersper lb.	1 <del>1</del> d.	21d.	2 <del>1</del> d.
	Agricultural, horticultural, and viticultural machinery and implements, viz.:-		-	-
	Cream separators; testers and pasteurizers; cotton gins; fibre scutching machines;			
	hand-worked rakes and ploughs combined; hay tedders; horse rakes; lucerne bun-			
	chers; maize harvesters; maize binders; milking machines; mouldboard plates			
	in the rough and not cut into shape; potato raisers or diggers; potato sorters; root	ı		
	cutters, pulpers and graters; sheep shearing machines; straw stackers; sub-surface			
	packers; threshing machines; winnower forks (wood and steel)		10%	Free.
158	Cutlery, of all kinds, n.e.i.; including plated cutlery; clippers; knife sharpeners; manicure	Plated cutlery,	70	
100	sets; but not cutlery in part or wholly made up of gold or silver	20%;		
	Doney was not carry in part or many many up or goth or matter it	other kinds 15%	20%	15%
157	Crucibles	Free.	Free.	Free.
150	Diving apparatus, not including hose	Free.	Free.	Free.
		1 100.	1.100.	1.100.
	( ) TT - 1 - 1 - 1	5 <b>s.</b>	8s. 3d.	7s. 6d.
· ;	(a) Horse-snoe nais	. UB.	os. au.	15. Ju.
	staples, n.e.i.; tacks, n.e.i.; wire and other nails, n.e.iper cwt.	; 3s.	5s. 6d.	5s.
100			3s. oa.	эв. Зв.
	Tanks containing goods, or empty.—For every 100 gallons capacity or part thereof		. 08.	98.
101	Weighing machines; weighbridges; scales, n.e.i.; including adding and computing machines			
. 1	and all attachments; 'cash' registers; chemists' counter scales; spring balances and	0007	00/17	0007
	steel-yards; weights, n.e.iad val	. 20%	20%	20%

<sup>\*</sup> Motive Power, Engine Combinations, and Power Connexions are dutiable under their respective headings, when not integral parts of exempted machines, machinery, or machine tools.

When writing to Advertisers kindly mention The Canadian Manusacrurer.

		New .	Rates.
	. *		Tariff on
The state of the s	Old Rates		Goods the Produce
TARIFF ITEMS.	(British and Foreign		or Manu-
	Goods).	Tariff	facture of the
			United Kingdom
162 Marine engines, boilers and machinery; and fittings and mountings, n.e.i., for such engines,	Marine engines,		zamenom.
boilers and machinery; shafts; propellers; winches; liners for cylinders; windlasses;	boilers and ma-		
steering gear; feed water heaters; feed pumps; evaporators; auxiliary condensers; feed	chinery, $12\frac{1}{2}\%$ ;	•	
water fillers; and ash ejectorsad val.	ships' fittings,		
water miles, that the experience of the control of	Free.	25%	25%
163 Steam road rollers, including scarifier attachments	Free.	25%	25%
164* (a) Engines (including traction and portable), n.e.i.; turbines; winches, n.e.i.; boilers,			
noi number wind-mills	123%	30%	25%
(b) Elevating and conveying machinery; pile driving plant; economizers; cranes; beer			
engines: cloth folding and measuring machines; wool and other presses; litts; water			
and gas meters	121%	30%	25%
(c) Machines and machinery, n.e.iad val.	$12\frac{1}{2}\%$	30%	25%
165 Machinery and parts thereof, viz.:—			* "
Steam engine indicators and recorders: patent porcelain and steel rollers for flour mills		` .	
roll shells; typewriters (including covers); zinc refining retorts; fire engines			
stitching machines; sewing machines (including cabinets and covers); sewing ma-		1004	T73
chines: darning machines	Free.	10%	Free.
Button hole punching machines; straw envelope-making machines	Not tariffed.	•	•
166*Machinery and machines; and machine tools, n.e.i., viz.:—			
(a) Machines, n.e.i., used in the tanning of hides and skins, and in the preparation	į.		
of leather; automatic can-making and closing machines; machinery for scouring			
and washing wool; machinery for the manufacture of paper, and for felting; soap	Free and 121%	25%	20%
cutting machines; artesian boring machinesad val	Free and 123%	2070	20%
*(b) Machine tools—	Free.	25%	20%
Hat-making—hydraulic blocking press for making straw hats		2070	20 /0
India rubber working—hose machines; steel stamps; steel tyre mandrils; spreading	Free.	25%	20%
tread drums; washer cutting		20 /0	2070
Metal working—wire netting machines; blowers for foundry and mining purposes	,		*
pneumatic hammers; steam hammers, up to and including sizes up to 16 in			
cylinders; punching and shearing machines, combined or separate, sizes up to	, • · · · · · ·		, V
in.; slotting machines, sizes up to 12 in. stroke; centering machines to center	• ·	4.0	
up to 6 in. diameter; bolt screwing and nut tapping, combined or separate sizes above \( \frac{1}{4} \) in., and up to 2 in.; bending rolls in sizes to bend up to \( \frac{1}{4} \) in.	Mostly free,	ł	
platead val		25%	20%
Artesian boring tools, n.e.i		25%	20%
Boot-making machine tools, n.e.i		25%	20%
Tyre benders and shrinkersad val		25%	20%
Tinsmiths' tools, being machine	$12\frac{1}{2}\%$	25%	20%
167 Machine tools, as prescribed by departmental by-laws (†)		Free.	Free.
168 Any dutiable machinery, or machine tool, or any part thereof specified in any proclamatio	1		
issued by the Governor-General in pursuance of a joint address passed on the motion of	f	` • ` `	•
Ministers by both Houses of the Parliament, stating that such machinery, machine too	,		
or part cannot be reasonably manufactured within the Commonwealth, and that	t ,		
should be admitted free		Free.	Free.
169 Tools of trade, for the use of artisans and mechanics and tools in general use as prescribed b	У	_	
departmental by-lawst	. Free.	Free.	Free.
170 Mixed metalware and platedware, n.e.iad va	l. Mixed metalware		
	15%; plated ware	~~~	O#A*
	20%	30%	25%
171 Manufactures of metal, n.e.iad va	l. 20%	30%	25%
179 Sawa nai	i, rree.	25%	20%
173 Brass work and gunmetal work for general engineering and plumbing, and other trades ad va	l. Not tariffed. I. Free.	30% 25%	30% 25%
174 Type, printers'ad va		20%	20%
175 Wise extinguishers, hand	i. F166.	2070	20 /0
176 Screws, n.e.i., including screws with nuts not being bolts and nuts; sash screws and attack	Free.	5%	Free.
ments; engineers' set screws; music stool and table, roofing, and spiral screws	1. 12½%	35%	25%
177 Mining engines and machinery, n.e.i	123/0	00 70	70
178 Electrical machinery, viz.:-		1	
(a) Generators; motors up to the capacity of 500 h.p.; fans; starting and regulating rheestats	l. 12½%	30%	25%
(b) N.E.Iad va	i. 12½%	171%	121%
(D) N.E.I	3 / V	-,0	
179 Electrical and gas appliances, viz.:—  (a) Electroliers; gasaliers; chandeliers; pendants; brackets; switches; controlling	ig '		
devices, n.e.i.; radiators and zinc tubing	i. 12½%	25%	20%
(b) N.E.Iad ve	l. 12½%	171%	121%
(b) N.E.L		2,0	
180 Electrical materials, viz.:—  Accumulators or storage batteries, including glass cells used therewith; cable and wi	re		
(covered) carbons testing meters and instruments: translators: insulating tape	8;		
meters resistance coils: static transformers and terminals; photometers for g	9.8		
and electricity	Free.	5%	Free.
and ordered			•

<sup>\*</sup> Subject to rebate under the conditions specified in the Schedule hereto.
† For list of articles admitted free of duty as machine tools and tools of trade, see the text of the Customs By-Laws at end of Tariff.

			New	Rates.
	TARIFF_ITEMS,	Old Rates  (British and Foreign Goods.	General	Tariff on Goods the Produce or Manu- facture of
		- Goods	ımı,	the Unit- ed King-
181	Rails, fish plates, fish bolts, tie plates and rods, switches, points, crossings, and intersections,			dom.
	for railways and tramwaysad val.	121%	121%	121%
182 183	Iron pipes, cast, and wrought, n.e.i	Free.	30%	25%
	casings; wrought iron fittings for pipes	Free.	Free.	Free.
184	Rolled iron or steel beams, channels, joists, girders, columns, trough and bridge iron and steel, not drilled or further manufactured; shafting, cold rolled, turned or planished			
185	Bolts, nuts, rivets, and washers, n.e.i	12½%	171%	121%
186	Barbed wire	12½% 10%	30% 30%	25% 20%
187	Wire netting ad val	Free.	30%	25%
188	Electrotypes and stereotypes for advertising purposes, per block of 12 square inches and under	Not tariffed.	1s.	1s.
	For every square inch over 12 square inches	Not tariffed.	1d.	1d.
	boilers	Not tariffed.	25%	25%
	or decoratedad val.	Not tariffed.	15%	15%
191	Aluminum, bronze, yellow metal, Britannia metal, nickel, and German silver, viz.—Pigs, ingots, scrap, blocks, bars, strips, sheets (plain), plates (plain), pipes (plain), and tubes			
	(plain)	Free.	Free.	Free.
	Anchors, over 10 cwt	Free.	5%	Free.
193	Anodes and hooks for plating purposes	Free.	5%	Free.
105	Brass, viz.—Scrap, bars, sheets (plain), pipes (plain), tubes (plain), and strips	Free. Free.	5%	Free. Free.
196	Capsules, metallic	Free.	Free. 5%	Free.
197	Chain, n.e.i., not made into serviceable articles	Free.	5%	Free.
198	Copper, viz.—Strips, scrap, bars, rod, wire, sheets (plain), pipes (plain), and tubes (plain)	Free.	Free.	Free.
199	Cylinders for anhydrous ammonia and for gas	Free.	5%	Free.
	Droppers, patent steel of all lengths	Free.	, 5%	Free.
	Eyelets and eyelet studs	Free.	5%	Free.
	Fasteners, machine belt	Free.	5%	Free.
204	Leaf and foil of any metal.	Free. Free.	5% 5%	Free. Free.
	Locks; including knobs, keys, escutcheons, and staples	Free.	5%	Free.
206	Pins (not being gold or silver or gold or silver-plated), viz.—Gimp, solid-headed short toilet; plain wire hair; plain safety; and crochet hooks	Free.	5%	Free.
207	Platinum, viz.—Bars, strips, tubing, pipes, sheets and plates	Free.	Free.	Free.
	Retorts, pans, condensers, cylinders, and other articles used in the manufacture of acids and			•
209	in laboratories, and made of platinum	·	5%	Free.
010	Circles, clumps, curves, knives (paring), rules, leads, and slugs	Free.	5%	Free.
211	Rabbit traps, dog traps, vermin traps	Free.	5%	Free.
212	spur boxes	Free.	5%	Free.
011	balances P\$Scrap iron and steel, and, subject to departmental by-laws, materials for use as scrap-iron	Free.	Free.	Free.
	Scrap from and steel, and, subject to departmental by-laws, materials for use as scrap-fron	Free.	Free.	Free.
21	5 Sprinklers (not being partly or wholly of gold or silver) for perfume bottles	Free. Not tariffed.	5% 5%	Free. Free.
	S Standards, steel fencing of all lengths and pillars.	Free.	5%	Free.
	7 Steel, band or ribbon for making bandsaws or band-knives		5%	Free.
	8 Steel grit and steel wool, and steel balls for other than cycle bearings	20%	5%	Free.
	9 Steel knives for hand tobacco cutters and hand tin openers	Free.		
22		Free.	5%	Free.
		,	5%	Free.
22		Free.	5%	Free.
22	· · · · · · · · · · · · · · · · · · ·	Not tariffed.	5%	Free.
22	• ••	Free.	5%	Free.
22	<b>U</b> ,	Free.	5%	Free.
22		Free.	5%	Free.
22	• • •	Free.	10%	Free.
22	7 Zinc, viz.—Bar, scrap, sheet (plain), and circles and ingots bored or unbored for cyanide gold process, and zinc sheets (perforated with round holes of less than 1 of an inch diameter),			•
	for meat safes and covers	Free.	Free.	Free.
22	8 Zinc blocks for marine boilers	Free.	5%	Free.

<sup>\*</sup> To continue only until the coming into force of "Division VI."(A) Metals."

New Rates. Tariff on Goods the Produce General or Manu-Tariff. facture of the United Kingdom, Old Rates. TARIFF\_ITEMS. (British and Foreign Goods.) DIVISION VIA. Metals and Machinery. To come into operation on dates to be fixed by Proclamation, and exempt from duty in the meantime. Proclamation to issue

so soon as it is certified to Parliament by the Minister that the Manufacture to which the Proclamation refers has been sufficiently

established in the Commonwealth.	canation refers n	is ocen s	ametentiy
229 Iron and steel—			
(a) Scrap iron and steel, and pig iron	10%	121%	121%
castings)ad val	10%	123%	121%
(c) Bar; rod; angle; tee; sheet and plate (plain); wire and hoop	10%	121%	121%
Mowers; reapers; and reapers and binders	15%	171%	173%
(e) Iron and steel tubes and pipes, not dutiable under Division VI ad val.	10%	121%	121%
(f) Spelter	10%	10%	10%
Division VIB.			
To come into operation on dates to be fixed by Proclamation, and subject to the duties speci	fied in Division VI	. in the n	neantime.
Proclamation to issue so soon as the duties specified in Division VIA. have been brought into oper 229 (A). Division VI.	ation.		
Item.			
(143) Iron, plate and sheet, viz.—			
(a) Corrugated galvanized	10%	30%	25%
(b) Galvanized not corrugated, and corrugated not galvanized ad val.	10% 10%	25%	20%
(147) Mangles, clothes-wringers, and washing machines, n.e.i ad val. N	o special provisions	221%	221%
(148) Agricultural, horticultural, and viticultural machinery and implements, n.e.i.; including cane loaders on wheels; channel-making graders; feed grinders; garden		270	370
and field spraying machines; garden and field rollers; garden hose reels; garden			
syringes; horse road rollers and machines; lawn movers, sweepers and sprinklers;			
road-making ploughs; road scoops and scrapers; scoops; stump extractorsad val	a crossial mensions	00167	00107
(149) Chasseutters and horse gears; chasseutter knives; corn shellers; corn huskers;	o stv.crat broughts	22370	221%
cultivators, other than disc; harrows; ploughs, other; plough shares; plough			
mould boards; scarifiers	o enomial provision.	20167	99107
(150) Combined corn sheller, husker, and bagger; combined com sheller and husker;	o sheem broughts	22270	2237
discs for agricultural implements; disc cultivators; drills (fertilizer, seed and grain),			
and all attachments thereto; stump jump ploughs; winnowers (horse and other			
power); seats, poles, swingle-bars, yokes, and trees for agricultural machines, when			
imported separately	o enocial provision.	97167	97167
(151) Churns of all kinds; cheese presses; dairy coolers; dairy refrigerators; supply	0.2160331101120112	21270	271%
cane; incubators, n.e.i.; foster mothers	o enorial american	27167	22107
(152) Stripper harvesterseachN	o enovial provident	£15.70	271%
(153) Stripperseach?			
(154) Metal parts of stripper harvesters and strippers per lb. N			23d.
(159) Nails, viz.—	o cleon in a month	274.	zzu.
(a) Horse-shoe nailsper cwt.N	o enecial neovicions	Se 93	Ss.
(b) Brads (including moulders and glaziers'); picture nails; rail-dogs or brobs;	o 1/100111 /110 11210110	· 03. Ju.	03.
spikes; staples, n.e.i.; tacks, n.e.i.; wire and other nails, n.e.iper cwt. N	o special provisions	5s 6d	5s. 3d.
(160) Tanks containing goods, or empty.—For every 100 gallons capacity or part thereof. N	o special provisions	3: 3d	3s. 3d.
(161) Weighing machines; weighbridges; scales, n.c.i.; including adding and computing			03-04-
machines, and all attachments; cash registers; chemists' counter scales; spring			
balances and steel-yards; weights, n.e.i	o special provisions	250%	25%
(162) Marine engines, boilers, and machinery, and fittings, n.e.i., and mountings, n.e.i.,		-0.0	20,0
for such engines, boilers, and machinery; shafts; propellers; winches; liners for			
cylinders; windlasses; steering gear; feed water heaters; feed pumps; evaporators;			
auxiliary condensers; feed water fillers; and ash ejectors	o special provisions	271%	271%
(163) Steam road rollers, including scarifier attachments	o special provisions	2710%	273%
(164) (a) Engines (including traction and portable), n.e.i.; turbines; winches, n.e.i.;		170	5.0
boilers, n.e.i.; pumps; windmills	o special provisions	32152	273%
(b) Elevating and conveying machinery; pile driving plant; economizers; eranes; beer			270
engines; cloth folding and measuring machines; wool and other presses; lifts; water		•	
and ras meters.	o enecial provisions	3210%	273%
and gas meters	o special provisions	3210	273%
(166) Machinery and machines; and machine tools, n.e.i., viz.—			
(a) Machines, n.e.i., used in the tanning of hides and skins, and in the preparation			
of leather; automatic can-making and closing machines; machinery for scour-	•		
ing and washing wool; machinery for the manufacture of paper, and for felting;			
scap-cutting machines: artesian boring machines	o special provisions	271% .	223%
(b) Machine tools—			
77.4 7.7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	والمتالة المتعارض والمتعارض والمتعار	107107	00101

When writing to Advertisers kindly mention The Canadian Manufactures.

Old Rates. Goods the Produce  TARIFF ITEMS. (British and Foreign General or M.: au  Tariff, facture or the Unite			New	Rates.
India rubber working—hose machines; steel stamps; steel tyre mandrils; spruading; trend drums; washer extiting		Old Rates		Tariff on
India rubber worsing—hose machines; steel stamps; steel tyro mandrils; spreading; tened drums; washer tetting	TARIFF ITEMS.	(British and Foreign	Tarill.	Produce or M. au- facture of
Meda working—when retting machines; blowers for frtry and mining part was a product of the pr				Kingd m.
nut tapping, combined or separate, sizes above § in., and up to 2 in.; because  rolls in aires to bend up to 2 in. plate	tread drums; washer cutting	Vo special provisions	27 <u>1</u> %	22}
(177) Mining engines and machinery, n.c.i	nut tapping, combined or separate, sizes above \( \) in., and up to \( 2 \) in.; bending rolls in sizes to bend up to \( \) in. plate	No special provisions	27½% 27½% 27½% 27½% 32½% 27½%	224 224 224 224 274 274 224
intersections, for railways and transways	(177) Mining engines and machinery, n.e.i	No special provisions	372%	2/4.
(183) Bolts, nuts, rivets, and washers, n.c.i	intersections, for railways and tramways	Vo special provisions	324%	2710
Division VII.       Division VII.     Division VII.     Division VII.     Division VII.     Division VII.     Division VII.     Division VII.       Division VII.     Division VII.     Division VII.     Division VII.     Division VII.     Division VII.     Division VII.     Division VII.     Division VII.     Division VII.     Division VII.   Division V	or planished	No special provisions No special provisions	321%	
230 Blacking; including dressings, pastes, and polishes for leather; furniture oils, pastes and polishes; and bronzing and metal liquids	(190) Plates (except plain tip) and sheets and pipes and tubes of any metal, unned,			
230 Blacking; including dressings, pastes, and polishes for leather; furniture oils, pastes and polishes; and bronzing and metal liquids	Dritsion VII.			
polishes; and bronzing and metal liquids.  201 Graphite or pilumbago, black lead, and foundry black, in bulk.  207 207 207 207 207 207 207 207 207 207	Oils, Paints and Varnishes.			
231 Graphite or plumbago, black lead, and foundry black, in bulk	230 Blacking; including dressings, pastes, and polishes for leather; furniture oils, pastes and	20%	40%	35°;
(a) Greases; including axle grease, and tallow unrefined, in packages not exceeding 4 lbs. in weight. per cwt. 4s. 4s. 1s. (b) In packages exceeding 4 lbs. in weight. per cwt. 2s. 2s. 2s. 2s. 2s. 2s. 4 Oils—In vessels not exceeding one gallon, viz.—  (a) Quarter-pints and smaller sizes. per doz. 6d. 1s. 6d. 1s. 6d. (b) Hall-pints and over quarter-pints. per doz. 1s. 3s. 3s. (c) Pints and over a half-pint. per doz. 2s. 6s. 6s. 6s. 6d. (d) Quarts and over a pint. per doz. 4s. 12s. 12s. 6e. Over a quart. per doz. 4s. 12s. 12s. 6e. Over a quart. per gal. 1s. 4d. 4s. 4s. 1n vessels exceeding one gallon, viz.—  (f) Cotton seed. per gal. 2s. 2s. 2s. 2s. (g) Cotton seed when denaturated as prescribed by departmental by-law per gal. 6d. 6d. 6d. 6d. (h) Olive. per gal. 1s. 4d. 2s. 2s. (i) Castor; colza; linseed. per gal. 6d. 6d. 6d. 6d. (i) Lubricating (Mineral)* per gal. 6d. 6d. 6d. 6d. (i) Lubricating (Mineral)* per gal. 3d. 3dd. 3dd. (k) Mineral, n.c.i., naptha; benzine; benzeline; gasoline; pentane; petrol; turpentine substitutes; and the like per gal. 4d. 4d. 4d. (m) N.E.I., including cloth oil. per gal. 6d. 6d. 6d. 6d. (n) Castor-oleine and other refined petroleum oils, in packages less than 10 gallons in content per gal. 6d. 6d. 6d. 6d. (o) Kerosene and other refined petroleum oils, n.c.i. per gal. Free. Fre	231 Graphite or plumbago, black lead, and foundry black, in bulk	Free.	Free.	Free.
(b) In packages exceeding 4 lbs. in weight. per ewt. 2s. 2s. 4s. 6d. 3c. 4c. 4d. 4d. 4d. 4d. 4d. 4d. 4d. 4d. 4d. 4d	233 Tallow and greases— (a) Greases; including axle grease, and tallow unrefined, in packages not exceeding 4	4n	Ae.	10
(a) Quarter-pints and smaller sizes	(b) In packages exceeding 4 lbs. in weightper ewt.	2s.		
(b) Half-pints and over quarter-pints. per doz. 2s. 6s. 6s. (c) Pints and over a half-pint. per doz. 2s. 6s. 6s. (d) Quarts and over a pint. per doz. 4s. 12s. 12s. (e) Over a quart. per doz. 4s. 12s. 12s. (e) Over a quart. per gal. 1s. 4d. 4s. 4s. In vessels exceeding one gallon, viz.—  (f) Cotton seed. per gal. 2s. 2s. 2s. (g) Cotton seed when denaturated as prescribed by departmental by-law per gal. 6d. 6d. 6d. 6d. (h) Olive. per gal. 1s. 4d. 2s. 2s. (i) Castor; colza; linseed. per gal. 6d. 6d. 6d. 6d. (i) Lubricating (Mineral)* per gal. 6d. 6d. 6d. 6d. (i) Lubricating (Mineral)* per gal. 3d. 3dd. 3dd. (k) Mineral, n.e.i.; naptha; benzine; benzeline; gasoline; pentane; petrol; turpentine substitutes; and the like. per gal. Mineral n.e.i., 3d., d. d. (ii) Castor-oleine and other Saponifiable oils. per gal. 6d. 6d. 6d. 6d. (ii) Castor-oleine and other refined petroleum oils, in packages less than 10 gallons in content per gal. Free. 3d. 3d. (iv) Kerosene, and other refined petroleum oils, n.e.i. per gal. Free.	234 Ons—in vesses not exceeding one gation, viz.—  (a) Ougsterwints and smaller sizes	6d.	1s. 6d.	18. 6d.
(c) Pints and over a half-pint	(b) Half-pints and over quarter-pintsper dcz.		3s.	38.
(c) Over a quart	(c) Pinte and over a half-nint		-	
In vessels exceeding one gallon, viz.—  (f) Cotton seed. per gal. 2s. 2s. 2s. (g) Cotton seed when denaturated as prescribed by departmental by-law per gal. 6d. 6d. 6d. 6d. 6d. 6d. 6d. 6d. 6d. 6d	(d) Quarts and over a pintper doz.			
(g) Cotton seed when denaturated as prescribed by departmental by-law per gal.  (h) Olive per gal ls. 4d. 2s. 2s.  (i) Castor; colza; linseed. per gal. 6d. 6d. 6d.  (j) Lubricating (Mineral)* per gal. 3d. 3½d. 3d.  (k) Mineral, n.c.i.; naptha; benzine; benzeline; gasoline; pentane; petrol; turpentine substitutes; and the like. per gal. Mineral n.e.i., 3d., ¼d. 1d.  (l) Solar oils, and residual oils† per gal. 1d. 1d.  (m) N.E.I., including cloth oil. per gal. 6d. 6d. 6d.  (n) Castor-oleine and other Saponifiable oils. per gal. 6d. 6d. 6d.  (o) Kerosene and other refined petroleum oils, in packages less than 10 gallons in content per gal. Free. Fre	In records areading one college size		_	
(h) Olive	(f) Cotton seedper gal.			
(i) Castor; colza; linseed	(g) Cotton seed when denaturated as prescribed by departmental by-lawper gai.	· ·		
(i) Lubricating (Mineral)*	(h) Ulive			_
substitutes; and the like	(i) Lubricating (Vineral)*	3d.		_
(1) Solar oils, and residual oils†	substitutes; and the likeper gal.	Mineral n.e.i., 3d.,	₹d.	. <u>į</u> d.
(m) N.E.I., including cloth oil	· · · · · · · · · · · · · · · · · · ·	other 1d.		1.1
(m) Castor-oleine and other Saponifiable oils. per gal. (o) Kerosene and other refined petroleum oils, in packages less than 10 gallons in content per gal. (p) Kerosene, and other refined petroleum oils, n.e.i. per gal. Free. Fr	(1) Solar oils, and residual oils†			• .
(c) Kerosene and other refined petroleum oils, in packages less than 10 gallons in content  (p) Kerosene, and other refined petroleum oils, n.e.i	(m) N F I including cloth oilper gal.			_
(p) Kerosene, and other refined petroleum oils, n.e.i	(o) Kerosene and other refined petroleum oils, in packages less than 10 gallons in content	_	_	
235 Oils in bulk or otherwise, viz.—Birch tar oil; pine; fir tree; unrefined fish oils; China oil  when denaturated as prescribed by departmental by-law; scal; whale; penguin; petro- leum (crude); degras; sod; wood naphtha; mirbane; and turpentine	per gai.	riee.		
leum (crude); degras; sod; wood naphtha; mirbane; and turpentine	235 Oils in bulk or otherwise, viz.—Birch tar oil; pine; fir tree; unrefined fish oils; China oil when densturated as prescribed by departmental by-law; scal; whale; penguin; petro-		_	
(a) Ground in liquid	leum (crude); degras; sod; wood naphtha; mirbane; and turrentine	Free.	Free.	Free.
(b) Prepared for use, including tattoo oil	(a) Ground in liquidper ewt		4s. 6d.	48.
or ad val. 45. 25%I 10%	(b) Prepared for use, including tattoo oilper cwt.	<b>4s.</b>		
(c) Colors, dry, n.e.iper cwt. 1s. 3s. 3d. 3s.	or ad val.	45.		
	(c) Colors, dry, n.e.iper cwt.	15.	35. 3d.	<b>35.</b>

<sup>\*</sup>An admixture not exceeding 2 per cent. of any vegetable or animal oil, or other foreign matter shall not be deemed to render the

oil liable to any higher duty.

† When the department is in doubt as to the exact nature of any oil so described it shall be denaturated in accordance with Departmental By-law.

<sup>‡</sup> Whichever rate returns the higher duty.

		. New	Rates.
	Old Rates.		Tariff on Goods the
TARIFF ITEMS.	British and Foreign	General	Produce or Manu-
	Goods).	Tariff.	facture of the United
(d) Dry white lead; patent dryers and the like; and puttyper cwt.	18.	2s. 3d.	Kingdom. 2s.
(e) Barytesper cwt.	Not tariffed.	2s.	25.
(f) Whiting	′ 6d.	6d.	6d.
Berlin and Brunswick blacks; liquid sizes; patent knotting; oil and wood finishes;			,
petrifying liquids; damp-wall compositions; lithographic varnish; printers' ink reducer;			
terebine; liquid dryers; and gold sizeper gal.	1- 01	2s. or	2s. or
or ad val. 238 Liquid removers of paint and varnishad val.	1s. 9d. Not tariffed.	30%* 15%	30% <b>*</b> 15%
239 Blacks, being lamp, ivory, bone, or vegetable, and litharge; London purple and Paris green;	2,00 43	10,0	20 70
prepared glazes for pottery; sulphate of copper; ultramarine blue; ceramic colors;	<b></b>	-~-	~
artists' colors; dyes, dry or in paste, in bulk for manufacturing purposes  Vandykes; manganese; Paris white; vermillions; crayons	Free. Not tariffed.	5% 5%	Free. Free.
randyres, manganese, rand winee, remaindes, etayons	nov tanneu.	070	A lee.
•			
Division VIII.			
Earthenware, Cement, China, Glass, and Stone.	•		
Burdenado, Contain, China, Catalo, and Stories			
240 Portland coment plactor of Paris and other like amountions having magnetic arculabate of	•		
240 Portland cement, plaster of Paris, and other like preparations having magnesia or sulphate of lime as a basis; also gypsumper cwt	9d.	1s.	9d.
241 China parian and porcelain ware, and mosaic flooring	20%	35%	25%
242 Scientific apparatus, porcelain, viz.—Crucibles, tubes, pressure filters, and evaporating dishes	0 - 11 - 10		
for laboratory use	Crucible scarifiers and muffles, free:	Free.	Free.
	other, 20%	35%	30%
244 Roofing tiles, flooring tiles, and tiles, n.e.i. of all materials			
245 Asphalt mastic	other tiles, 20% Not tarified.	30% 15%	30% 15%
246 Earthenware, viz.—Spurs, stilts, and thimbles.	Free.	Free.	Free.
247 Fire and glazed bricks; fire lumps; fibro cement; freelay manufactures, n.e.i.; and asphalt			
tiles	15% Free.	15% Free.	15% Free.
249 Glass, viz.—	x 100.	A ICC.	T 100.
Bent, bevelled, hemidic, sand-blasted, enamelled, embossed, etched, silvered, and cut;			
corners cut, bevelled, or engraved; panes, prisms, and ali glass framed with metal	20%	30%	30%
250 Clase viz		00.70	00/0 .
(a) Polished and patent plate, n.e.i	10s.	118.	10s.
(b) Sheetper 100 superficial feet (c) Polished and patent plate, each plate not exceeding 7 superficial feet	28.	2s. 3d.	2s.
per 100 superficial feet	5s.	5s. 6d.	5s.
(d) Polished and patent plate, each plate exceeding 7 superficial feet and not exceeding	- 01	0 01	
12 superficial feet	7s. 6d. 15%	Ss. 3d. 15%	7e. 6d. 15%
252 Glassware, including packing; measuring outside the package as imported, viz.—	2070	2070	10/0
Globes for lights, Chimneys for lights, Fish globes, Confectionery glasses, Cake glasses,			
Bird-seed boxes and cups, Fly traps, Telegraph glassware— When cut, embossed, engraved, etched, frosted, ground, or sand-blasted			
per cubic foot.	20%	2s. 6d.	2s. 6d.
When not cut, embossed, engraved, etched, frosted, ground or sand-blasted	00~		
253 Glassware, n.e.i., including smelling and perfume bottles, glass stoppers and fruit-jar caps of	20%	1s. 6d.	1s. 6d.
any material: also glass hottle marbles	20%	35%	25%
254 Glass, viz.—Lenses, n.e.i.: locket, brooch, and watch glasses	Free.	Free.	Free.
255 Glass, viz.—Gas analysis apparatus; arsenic testing apparatus and tubes; evaporating basins.	Not tarified.	Free.	Free.
256 Scientific apparatus (glass), viz.—  Beakers; flasks; test tubes; vacuum tubes; burettes; weighing bottles and tubes;			
eudiometers: nitrometers: radiometers; fat extraction tules; fifter pumps; gas			
washing reduction absorption and drying bulbs, towers and tubes; glassware grad- uated in centimetres, grains, minims, ounces, and grammes; also carbonic acid,			
sulphuretted hydrogen, decomposing water, and bacteriological apparatus of glass	Free.	Free.	Free.
257 Screens, process engravers'	Free.	Free.	Frec.
258 Bottle stoppers, n.c.i., of all kinds and materials	China screw, 20% ad val.; ebonite,	)	
	Free.	Frec.	Free.
	• •		

Nore.—\*Which ever rate returns the higher duty.

			New	Rates.
				Tariff on
		Old Rates.	*	Goods the
	TARIFF ITEMS.	(British and Foreign Goods).	General	Manufac-
		Goods).	Tann.	ture of the United
	259 Bottles, n.e.i., flasks, and jars, empty, including packing; measuring outside the package as	Bottles, empty,		Kingdom.
	imported—	not more than		
	(a) From one dram up to and including 10 ozs. of fluid capacity. per cubic foot.	5 fluid drams	2s.	1s. 9d.
,	(b) Over 10 ozs. of fluid capacityper cubic foot.	capacity, Free;		
	(5) Over 10 025. Of hard capacityper cubic 1001.	Bottles over 5	1s. 1d.	1s.
		and not above 9 fluid ozs. in ca-		
	(c) Wine, beer, spirit, and serated water bottles per cubic foot.	pacity, when	10d.	9d.
		containing	Iou.	<b>.</b> ,
	000 D-441	goods not sub-		
	260 Bottles, n.e.i., flasks, and jars, filled; irrespective of whether the contents are liable to duty or not—	ject to ad val.		
	W 100-	rates, 2d. per		
	(a) Up to and including 2 ozs. of fluid capacityper dozen.	dos. Empty		
	·	wine and beer bottles, 10% ad	1s. 1d.	1s.
-	(b) Over 2 ozs. of fluid capacityper dozen.	val. Syphons,	10d.	9d.
	•	15% ad. val.	10u.	ya.
	261 Glue; gelatine of all kinds; and cements, n.e.i.; including mucilage and belting compounds	Sheet gelatine		
	ad val.	2d. per lb.,other		
	262 Printing roller composition	20%	40%	30%
	262 Printing roller composition       ad val.         263 Dry gums, shellac, sandarac and mastic	20%	35%	35%
	264 Slate, slabs, split, and with rough edges	Free.	Free.	Free.
	265 Slate slabs, sawn or chiseled on one or more faces, or one or more edges	Unwrought, 15% Unwrought, 15%	15%	15%
	266 Wrought slate, n.e.iad val.	20%	20% 30%	20%
	267 Roofing slates	15%.	25%	30% 25%
	268 Stone and marble—		20 70	20 /0
	(a) Unwrought, including rough or scabbled from the pick	nwrought marble		
		ble 10%, other		
	·	stone, sawn or in		
	(b) Slabs or scantlings, sawn on one or two faces	the rough, Free.	10%	10%
	(c) Slabs or scantlings, sawn on one or more faces, and one or more edgesad val.	10% to 20% 10% to 20%	15%	15%
	(d) Wrought, n.e.i	20%	20% 30%	20% 30%
	(e) Wrought, ornamentalad val	25%	35%	35%
٠	(f) Dust and chipsad val	Free.	20%	20%
	269 Bathbricks	Free.	Free.	Free.
	270 Oil and whet stones; also lithographic and emery stones	Free.	Free.	Free.
	271 Pestles and mortars—Agate	Free.	Free.	Free.
	ara books, tratin the rough, med	Free.	Free.	Free.
	DIVISION IX.			
	Drugs and Chemicals.	*		
	Di uga unu Chemauna,	,		
	Omo A	•		
- 1	273 Acetic acid, extract, or essence of vinegar—			
	(a) Vinegar, standard (as prescribed by departmental by-laws), the product of malt or	•		
	grain or fruit juice by alcoholic and acetic fermentation, containing not more than 6 per cent. of absolute acetic acidper gal.			. =
	(b) Vinegar, not the product of malt or grain or fruit juiceper gal.	6d.	6d.	6d.
	(c) Solutions, extracts, or essences, containing more than 6 per cent. but not more than	6d.	2s.	2s.
	30 per cent. of absolute acetic acidper gal	2s. 6d.	3s. 9d.	3s. 9d.
	(d) Solutions, extracts, or essences, containing more than 30 per cent, of absolute acetic		Jo. Ju.	os. vu.
	acid, for every extra 10 per cent., or part thereof	10d.	1s. 3d.	1s. 3d.
	(e) Acetic acid, in crystals or powdered form	Not tariffed.	15%	15%
	274 Acids, viz.—Muriatic, nitric, and sulphuric	15%	15%	15%
	275 Carbonate of ammonia. per cwt. 276 Carbonic acid gas. per lb.	5s.	5s.	58.
	277 Carbide of calciumper lb.	Not tariffed.	2d.	_2d.
•	278 Drugs and chemicals, viz.—	Free.	10%	Free.
	(a) Salicylic and boric acids and other food preservatives, n.e.i.: salicylate of soda.	•		
	sulphites and bisulphites of potassium; bisulphite of sodium, calcium, and magne-			
	sium; and foaming powders and liquids	20%	25%	20%
	Malto-peptone yeast food, yeast food preservatives, yeast nourishment, quillava		/0	/0
,	bark, saponarias, glycerhizin and its compoundsad val	Not tariffed.	25%	20%
	(b) Saccharin and other similar substitutes for sugar, and substances capable of convergion into such substitutes for sugar, and substances capable of convergion into such substitutes for sugar, and substances capable of convergion into such substitutes for sugar, and substances capable of convergion into such substances.		- •	. , ,
	version into such subtitutes for sugar; when imported for medicinal purposes only, in accordance with departmental by-law, in packages of not less than 11 lbs. weight			
	in accordance with departmental by-law, in packages of not less than 11 lbs. weight	M24.4-28-3	60	
2	279 Cresylic acid; crude creosote oil and tar oil; saponaceous mixture of creosote; carbolic acid	Not tariffed.	30s,	30s.
	per gal (	hal tar propose-		
	A.	tions, free.	6d.	6d.
	When writing to Advertisers kindly mention The Canadian Manura	Crurre.	,	Jui
		<del> </del>		

		New	Rates.
•	Old Rates.		Tariff on Goods the
TARIFF ITEMS.	(British and Foreign Goods.)	General Tariff.	Produce or Manu- facture of the United Kingdom.
280 Naphthalinead val.	In fancy bouquet form for vases,		
	20% ad val.	25%	25%
2S1 Cyanide of potassium. 2S2 Voltoids of sal-ammoniac.	Free. 15% ad val.	Free. Free.	Free. Free.
283 Insecticides, sheep washes, and disinfectants, n.e.i	Free.	Free.	Frec.
284 Fly papers, chemical and sticky	•	15%	15%
heyde		Free. Free.	Free. Free.
287 Bacteriological products and serum, as prescribed by departmental by-laws	Free.	Free.	Free.
288 Carbonate and bicarbonate of soda		Free. '5%	Free. Free.
290 Essential oils, non-spirituous, n.e.i.		Free.	Free.
291 Medicines—  (a) Pharmaceutical preparations; patent and proprietary medicines and other medicina preparations and compounds (not chemical); medicinal extracts; essences; juices infusions; solutions; emulsions; confections; and syrups; pills; pillules; tabloids soloids; ovoids; tablets; capsules; troches; cachets; suppositories; pessaries n.e.i.; plasters; poultices; salves; cerates; ointments; liniments; lotions; paste	; ;		
and the like; medicinal waters and oils, n.e.i.; and medicines for animalsad val	. 15%	15%	15%
(b) Spirituous	. 15%	15%	15%
292 Opium, for use as medicine only, and not capable of being used for smoking purposesper lt	. 30s.	30s.	30s.
293 Medicinal preparations containing opium	. 30s.	30s.	30s.
containing spirit (perfumed or not); cachus; skin foods; refined lanoline; refined gly	-		
cerine and vaseline; and perfumed petroleum jellyad val		35%	25%
295 Unrefined glycerine and unrefined lanoline		Free.	Free.
	spirituous, free, other essential oils 20% ad val.	20%	90 <i>01</i>
297 Sulphuric ether, and other ethers, n.e.i., non-spirituous, or containing not more than 5 pe	r	20%	20%
cent. of proof spirit	Free.	Free. 1s.	Frec. 1s.
Division X.			
Wood, Wicker and Cane.			•
Purniture (except of metal, wieker, bamboo, and cane), n.e.i., in parts or finished; includin billiard and bagatelle tables and boards and accessories; trays; crumb trays and brushes; mattresses; bolsters; pillows; window shade or blind rollers; rollers wit blinds; screens, portieres; dress stands and show figures for draping or other purpose writing desks and cabinets; stationery cabinets; type cabinets and cases; mirror framed or not, n.e.i.; blinds not being textile; panels for incorporating into furniture ice chests or refrigerators; housemaids' boxes; meat and other household safes; bat cabinets; dental and surgical cabinets; invalid furniture and chairs on wheels; asceptionspital furniture, including trollies, stretchers, and the like	d h ;; s e; h c l. Crumb trays or		
	brushes, 25%, other, 20%	40%	30%
300 Lounges and settees	h 20% ad val.	10s. or 30%†	10s. or
301 Chairs	h 20%	7s. 5d.	7s. 6d.
or ad va	l. . Free.	30%† Free.	30%† Free.
30 Timber, viz.—			
(b) Timber, undressed, n.e.i., in sizes of 7 in. by 2½ in. (or its equivalent) and upward	s,	. 18. Ud.	1s. 6d.
and less than 12 in. by 6 in. (or its equivalent)	i+ 18. ou. d-	25.	<b>2</b> s.
THE GOOD SWEAD, THE TOTAL TO SOLVE TOO	val.; other 1s.6d	,	
•	per 100 super.feet.	. 2s. 6d.	2s. 6d.

<sup>\*</sup> Norm.—Definition of a superficial foot.—A superficial foot of timber shall mean an area of one square foot on one surface, and being one inch or less in thickness.

<sup>†</sup> Whichever rate returns the higher duty.

		New Rates.	
	Old Rates.		Tariff on Goods the
madited implies	(British and Foreign	Conemi	Produce or Manu-
TARIFF ITEMS.	Goods).	Tariff.	facture of the
			United King tom,
(d), Timber, dressed, n.e.iper 100 super. feet*	3s.	38.	3-
(e) Architraves, mouldings, and skirtings, of any materialper 100 lineal feet	5s.	5s.	5×.
(f) Shingles	3s. 1 <i>s</i> .	3s. 2s. 6d.	3 2s. od.
(h) Pickets, dressedper 100	18. 48.	28. ou. 68.	28. 60. C
(i) Laths	5s.	7s. 6d.	7s. 6d.
(i) Laths for blinds	20%	25%	$25^{\circ}_{-6}$
(k) Spokes, dressed or prepared (not being of hickory), 2 in. or under in diameter.per 100	20% ad val.	10s.	10%
(1) Palingsper 1,000	15s.	15s.	15s
(m) Prepared hubs (not of elm)each	If classed as ar- ticles of wood	1s.	i.
(n) Rims, n.e.i	n.e.i., 20% ad	1s. 3d.	1s. 3d.
(o) Staves, dressed or partly dressed, but not shapedper 100	val.	2s. 6d.	2s. 6d.
(p) Three-ply vencerper 100 super. feet*	Free.	3s.	38.
(a). Veneers nei	Free.	Free.	Fre.
(r) Timber, for making boxes or doors, being cut into shape, and dressed or partly	0000	o. 0.1	A 41
dressedper 100 feet super. facet	20% ad val. 20%	2s. 6d.	28. 6d.
(s) Picture and room mouldings	20% 20%	$\frac{20\%}{20\%}$	20°; 20°;
(u) Timber, bent or cut into shape, dressed or partly dressed, n.e.i	20% ad val.	30%	30%
(v) Hickory spokes, dressed, 2 in. and under in diameter	Free.	Free.	Free.
(x) Hickory, undressed	Free.	Free.	Free.
(v) Elm hubs, with or without metal bands	Free.	Free.	Free.
(z) Engravers' boxwood and engravers' maplewood	Boxwood, Free.	Free.	Free.
(aa) Logs, not sawn	Free.	Free.	Fre.
(bb) Spars, in the rough	Free. Free.	Free. Free.	Free. Free
(CC) Spokes, rims, and icnoes of mekory, in the rought	Free.	Free.	Free.
(dd) Staves, undressed	<b>2</b> .cc.	A-4-0-	1 100.
ad val.	20%	45%	40%
305 Basketware, n.e.i., per cubic foot outside measurement,	20% ad val.	ls. 11d.	. 15
306 Wood, all articles made of, n.e.i., whether partly or wholly finished; including bellows,		or 45%;	tor 40%;
sashes, and frames; wire-doors; window screens; walking sticks; hods; mallets; rakes;			
grain shovels; saw frames; mitre boxes; wood bungs; wood type; wood rules; wash- boards; and knifeboards	20%	40%	30%
307 Wicker, bamboo, cane, or wood, viz.—	20/0	30 /0	90.00
(a) Bamboo, clouded	Free.	Free.	Free.
(b) Capes and rattans, and hamboo, unmanufactured	Free.	Free.	Free.
(c) Cane, compressed, in sheet and unshaped, and enamelled	Free.	Free.	Free.
(d) Last blocks rough turned	Free.	10%	Free.
308 Brushmakers' woodware and turnery, including brush handles	20%	30%	30% 20%
309 Tool handles, unattached	15%	20%	20%
Sizes 13 in. and over	7s. 6d.	7s. 6d.	7s. 6d.
Sizes over 14 in. and under 17 in	5s.	5s.	5s.
Sizes 14 in, and under		3s. 6d.	
311 Photograph frames and stands for pictures, picture frames (on pictures or otherwise).ad val.	20%	35%	35%
312 Lasts and trees, wooden	Free.	35%	25%
313 Buggy shafts, bent but not dressed	Free. 20% ad val.	2s. 6d. 3s. 6d.	
314 Buggy sharts, bent and dressedper pair. 315 Shafts, n.e.i., in the roughper pair.	Free	3s. va. 3s.	3s. oa. 3s.
316 Shafts, n.e.i., dressedper pair.	20% ad val.	4s.	48.
317 Bent poles, rough	Free.	2s. 6d.	
318 Bent poles, dressed	. 20% ad val.	3s. 6d.	
319 Whiffle-tree barsper dozen	. 20% ad val.	3s.	3s.
320 Shaft barsper dozen	20% ad val.	4s. 6d.	
321 Casks, barrels, and vats, n.e.i., full or empty	20% 20% ad val.	35%	35% 12s.
322 Hogsheads, secondhand, full or emptyeach 323 Shooks—	20% au vai.	12s.	.دندو
Hogshead, newcach	20% ad val.	6s. 6d.	6s. 6d.
Barrel. new	. 20% ad val.	5s.	58.
Half-horshead, newcach	20% ad val.	4s. 6d.	
Kilderkin, neweach	20% ad val.	3s. 6d.	
Puncheon, new	. 20% ad val.	11s.	11s.
Hogshead, secondhandeach	20% ad val.	10s.	10s.
N.E.I	20% ad val. Buckets, free.	35% 45%	35% 35%
324 Buckets and tuds, wooden	Dulauts, 1100.	45%	00/E

<sup>\*</sup> Note.—Definition of a superficial foot.—A superficial foot of timber shall mean an area of one square foot on one strine, and being one inch or less in thickness.

† Definition of Super. Face.—The term "super face" means the lineal measurement of that part of the timber actually laned.

‡ Whichever rate returns the higher duty.

	- water		Rates.
TARIFF ITEMS.	Old Rates British and Foreign Goods.	General Tariff.	Tariff or Goods th Produce or Manu- facture of the United
Division XI.			Kingdom.
Jewellery and Fancy Goods,			
<ul> <li>325 Fancy goods: including card cases; Snuff and match boxes; purses, n.e.i.; wallets, thimbles serviette rings, button hooks; shoe-horns and lifts; glove stretchers; toys; ivory and other ornamental figures; feather dusters; paper parasols; articles used for outdoor and indoor games; fishing appliances, n.e.i.; and articles, n.e.i., used for ornamental purpose or partly for use and partly for ornament.</li> <li>326 Combs (toilet), and shaving sets.</li> <li>327 Pencils, and penholders of wood.</li> <li>328 School pen and pencil sets, including boxes.</li> <li>329 Paint boxes of all kinds when completely fitted.</li> <li>330 Shells in their natural state; weapons and curios of aboriginal inhabitants of any country old coins.</li> </ul>	20% Combs, toilet,15% Free Free Free Free Free	35% 25% Free. Free. Free.	25% 25% Free. Free. Free.
332 Jewellery, commonly known as imitation gold or rolled gold; and joyellery made a constant	25%	40%	35%
333 Jewellery, being machine m. de channin the rough (known as Brunswick pattern foxtail, or lace chain); gallerie; beads; catches and joints for pins; classes n.e.i. points; one	25%	40%	35%
334 Jewellery and imitation jewellery, n.e.i., including bolt and split rings; swivels; ear wires bars and stampings used in manufacture of jewellery; medals and medallions of gold and silver; links and studes of all kinds; buckles, badges, clasps, slides, buttons, and other ornaments of gold or silver for attire; combined bracelets and watches; gold, silver, or plated safety pins; gold or silver have and pursos; imitation process to process allowers.	15%	20%	15%
335 All articles partly or wholly made up of gold or silver, unless dutiable at a higher rate or	25%	30%	25%
specified or included under the head of jewellery elsewhere	25%	30%	25%
purl	fma	Free.	Free.
opera, field and marine glasses; pedometers; and pocket counters and the likead val.  338 Watch and clock main and hair springs; compasses of all kinds except for external wear;*  ships' chronometers, patent logs, and sounding machines: microscopes: telescopes.	20%	30%	20%
barometers and thermometers, except advertising	films, with pictures thereon, Free;	5%	Free.
340 Spectacle cases, of all kinds not being partly or wholly of gold or silver, or gold or silver	other 20%	35%	25%
plated	Not tariffed.	15%	15%
without glasses.	Not tariffed.	10%	Free.
Division XII.	•		
Leather and Rubber.		•	
342 Boots, shoes, slippers, clogs, pattens, and other footwear (of any material), n.e.i.; and boot and shoe uppers and tops; cork, leather, or other socks or soles	and slippers, 15%; other 25% and		
343 Goloshes, rubber sand boots and shoes and plimsolls	30% Rubber sand shoes,	35%	30%
344 Slipper forms and Royal cord in the piece; prunella, lasting, and stuff for boots, shoes, and	20%; others, 25%	25%	20%
suppers	Not tariffed. Gum boots, free. 15%  Invalid beds (nir	10% 5% 25%	5% Free. 20%
reclaimed rubberad val.	and water), free; other, 15%	25% ·	20%
•			•

<sup>\*</sup> Under the old tariff, "ships', pocket and surveyors' compasses" were free, except when mounted in gold or silver.

When writing to Advertisers kindly mention The Canadian Manufacturer.

•		<del></del>	••	
•		•	Now	Rates.
-	•			Tariff of
	•			Goods
	TARIFF ITEMS.	Old Rates		Produs
	IARTE HEAD.	(British and Foreign Goods).	General Tariff	or Man
	•	400457.	7 MIII	facture of the
				_United
3,18 15	ubber and rubber manufactures, viz.—Indiarubber, crude or powdered; rubber waste; hard	•		Kingdon
340 1	which is because which there is no an and a lastice motificated which is in the			
. 1	rubber, in sheets; rubber thread; boot and apparel elastics; masticated rubber; india-		_	
	rubber syringes, enemas, injection bottles, urinals	Free.	Free.	Free
349 L	eather manufactures, n.e.i.; leather cut into shape; harness; razor strops; and whips, in-			
	cluding keepers, thongs, and lashes	20%	25%	25%
350 (a	) Leather, rubber, and composition belting and green hide for belting and other purposes	70	-0 70	-0,(
000 (	ad val.	15%	2501	Onc.
41.	Van Van de de la constant de la cons	13%	25%	20%
(0	Leather, n.e.i., including chamois leather and unspecified articles used in the manufacture			
	of boots and shoesad val.	15%	30%	20%
351 L	eather, viz.—			
:	· (a) Pump butts weighing not less than 48 lbs. each hide	Free.	Free.	Free
	(b) Goat and sheep skins, raw hogskins	Free.	Free.	Free
	(o) doubling succept states, the moderning	<b>4.00.</b>	rice.	1.166
	Daniel VIII			
• •	Division XIII.			
	•			
	Paper and Stationery.			
352 Pa	per, viz.—			
002 21	(a) Manufactures of, framed or unframed, having advertisements thereon, including	_		
		Thursday 1 41		
•	price lists and trade catalogues and all printed or lithographed matter to be used for			
•	purposes of advertisingper lb.	ments 25% ad val;		
	•	other 3d. per 1b.	6d.	6d.
	(b) Australian directories, guides, and time tablesper lb.	Not tariffed.	6d.	6d.
	(c) Printed matter, n.e.i., (except newspapers registered for transmission through the		04.	ou.
•				
	post) being or containing advertisements, including magazines containing advertise-	•		
	ments being more than one-fifth of the printed matter contained within the outside	_		
	coversper lb.	<b>3d.</b> .	6d.	6d.
	(d) Printing, in rolls or folios, known as newspaper, to be used exclusively for newspapers	If un-		
	under departmental by-laws, in sizes not less than 20 by 25 inches or its equivalent.		10%	Free.
	(e) Writing (plain) cut less than 16 by 13 inches	15%		
			15%	15%
	(f) Ruled and bordered papersad val.	15%	25%	25%
	(g) Browns, and sugar (grey, blue and other tints); fruit bag paperper cwt.	3s.	6s. 6d.	6s.
	(h) Cartridge and blottingper ewt	15% ad val.	6s. 3d.	6s.
	(i) Strawboardper cwt.	1s.	2s. 6d.	2s
	(j) Bags	5s. per cwt.	30%	25%
			30.70	20%
		Millboard, grey-		
	cloth-lined paper; floor paper; paperhangings, or wall papers; millboard; grey-	board, leather.		
	board; leatherboard; and woodboard; and toilet paper in rolls or packetsad val.	board and wood-		
	•	board, 10%; other		
		15%	20%	15%
	(I) Surface-coated paper, including marble and foil paperad val.S		20 70	10/0
	(i) Guilace-coated paper, including matoic and for paper			
		tin foil paper, free;		
		other, 15%	20%	20%
	(m) Gummed paper, n.e.iad val.	15%	20%	20%
• ,	(n) Vesta and match-boxes, empty, n.e.iper gross	-3d.	3d.	3d.
	(o) Vesta and match-boxes having advertisements thereon, emptyper gross	25% ad val.	9d.	9d.
	(p) Cards, playing, in sheet or cutper dozen pack	3s.		
			3s.	3s.
	(q) Fashion plates and booksF		Free.	Free.
•	(r) Paper shavings and waste paper for paper making	Free.	5%	Free.
	(s) Emery paper; emery cloth; flint paper; flint cloth; filter paper; litmus paper	Free.	5%	Free.
	(t) Pulp, for manufacturing paper	Free.	5%	Free.
	(u) Roofing, sheathing, and insulating paper	Free.	5%	Free.
	(v) True vegetable parchment.	Free.		
	(v) 1 rue vegetable parchment.		5%	Free.
	(w) Writing and typing paper (plain), in sheets not less than 16 by 13 inches	Free.	5%	Free.
c	(x) Tissue cap paper, in sheets, 20 by 30 inches and over	.Not exceeding 10x1	0	
		ins., free.	5%	Free.
353 (6)	Stationery, manufactured; including bill files and letter clips; cardboard boxes, cut and	•	- 70	• •
330 (4)	shaped, or finished; mounts for pictures: calendars and almanacs, n.e.i.; date cases and			
•				
•	cards; albums, including birthday, scrap, motto, and character, cards and booklets,	•	•	
	including printers', visiting, menu, programme, wedding, funeral, Christmas, Easter, New			
	Year, and birthday; scraps; transfers; inkstands; ink bottles, ink-wells, paper knives,		. •	
	blotters, blotting cases and pads; billheads and other printed, ruled, or engraved forms of			
•				
	paper, n.e.i., bound or unbound; books—account, betting, cheque, copy, copying, diary,			
	drawing, exercise, guard, letter, music, memo., pocket, receipt, sketch, and the like;	•		
	envelopes; stationery packets; wrappers for writing paper; memo. and sketch blocks;		•	
	memo. slates and tablets; labels, tags, and tickets; sealing and bottling wax; pictures			
	of all kinds, n.e.i.; pencil cases; pencils, n.e.i.; pen and pencil sets and penholders, n.e.i.;			
	fountain pens; book-markers; rulers; writing desks (not being furniture); writing cases;			
	rounces pour markets, rulets, writing desks (not being furniture), writing eases;			
	·			

<sup>\*</sup>Nore.—Pulpboard shall mean a pulp paper whether plain, colored, or coated, which at the size of single royal 20x25 inches or its equivalent, weighs 80 lbs. or over per ream of 480 sheets. Paper, which is below the weight which constitutes "boards," to be dealt with under the paper duties.

and the water with a surface of the second section of the

When writing to Advertisers kindly mention THE CANADIAN MANUFACTURES.

• .		New	Rates.
,	au n		Tariff on
A Dama manage	Old Rates.		Goods the Produce
'\riff ttems	Gritish and Foreign Goods.)	General Tarifi,	or Manu-
			of the United
stationery eases; paper binders; card hangers; pen meks; bookbinders staples; charts			Kingdom.
for manuscript use; corrugated strawboard; strawboard made into bottle envelopes;			•
paper lace; academy boards; confetti paper; printed parchment ad val.			•
	and pens of al kinds, free; other		
	20% and 25%	30%	25%
(b) Manufactures of paper, n.e.i., including printers' matrices ad val.	25%	30%	25%
354 Printing and stenciling inks, n.c.i	25% . 0	63d. or 30%* (	6d. ⊶ 9507 *
355 News printing ink, invoiced at under 3d. per lb., and in packages of not less than 1 cwtad val.	25% . ( 25%	30%	25%
356 Writing ink and ink powders	25%	30%	25%
357 Ceramic transfers for pottery	Free.	5%	Free.
358 Kindergarten materials prescribed by departmental by-laws	Free. Free.	5% 5%	Free. Free.
360 Pens, n.e.i., without holders or not including holders		5%	A - CC.
360 Pens, n.e.i., without holders or not including holders	Ill kinds of maps,		_
362 Globes; geographical, topographical, and astronomical	charts, free. Free.	5% 5%	Free. Free.
363 Parchinent, cut and uncut	Free.	5%	Free.
363 Parchment, cut and uncut	Free.	Free.	Free.
365 School and drawing slates: slate pencils; and school colors in boxes	Free.	5%	Free.
366 Stay paper and stay cloth, gummed on one side, in rolls cut to a width of not more than one inch	Free.	30%	25%
367 Licht-pausrohpapier.	Not tariffed.	5%	Free.
368 Books, n.e.i.; prospectuses and catalogues (other than tmd2), n.e.i	Free.	Free.	Free.
Division XIV.—Vehicles.			
369 Bicycles, tricycles, and similar vehicles, n.e.i., and frames thereof, whether partly or wholly			
finishedeach	20% ad val.	£5 5s.	£5
or ad val. 370 Children's cycles			or 25%*
370 Children's cycles	20% ad val.	25%	20%
wholly finishedcach	20% ad val.	£10 10s.	£10
or ad val	···		or 25%*
372 Cycle tubing and fork sides in the rough; liners, including bent tubing not brazed or plated	Free. 20% ad val.	5% 35%	Free. 30%
373 Perambulators and go-carts, and parts thereof, n.e.i	20% ad val.	5s. 3d.	56 7 <sub>0</sub>
375 Cycle parts plated, brazed, enamelled, or permanently joined (including chains); cycle acces-			
sories and parts thereof, including evelometers, steel trouser clips, steel toe clips, and			
bands, parcel carriers, inflators, inflator clips and connections, bells, saddle covers, tool bags, repair outfits, and the like	20% ad val.	25%	20%
	70	,,	
376 Cycle parts, n.e.i., including steel bars for the manufacturers of rims; also unplated parts,			
namely, ball heads, bottom brackets, lugs, fork ends, bridges, sprocket wheels, balls, nipples, spokes, washers, n.e.i., and valves for tyres	10% ad val.	15%	10%
377 Vehicles, viz.—	• •	2070	70
(a) Boston chaises, dog carts, gigs, tilburys, and other two-wheeled vehicles on springs o	r	00.10-	••
thorough braces	25% ad val.	£6 12s.	£6
seated), Wagons (express), without tops, mounted on springs or thorough braces			
o cach	25% ad val.	£9 18s.	£9
(c) Hansom cabs, Single and double-seated wagons, Wagonettes, Four-wheeled	0507 ad mal	C12 /-	£12
buggies, with tops	25% ad val. 25% ad val.	£13 4s. £27 10s.	£25
(e) Barouches, Broughams, Drags, Landaus, Mail phætons, Victorias	25% ad val.	£44	£40
(f) All carts and wagons (without springs) and spring carts and spring drays, with two		00~	000
(g) All carriages or conveyances, n.e.i., hand trucks and parts, n.e.i., of vehicles, includ-	20%	30%	20%
ing axles and springs when imported separately	15%; other, 20%	35%	25%
(h) Parta of carriages—	All months of mo	220	200
(a) Sets of wheels (unbored and untyred)per set	All parts of ve- hicles, viz.,	338.	. 30s.
(b) Sets of wheels (bored and tyred)per set		49s. 6d.	458.
Cal and an impact fasting man disable control of the control of th	and bowed,		
(a) Yindan man (in halfen also man saturation and m	bodies, under- gears, under-	66s.	60s.
(c) Under gear (including axles, springs, and arms)per set	carnages, and		
(d) Buggy hoods	tops, 25% ad	49s. 6d. 88s.	. 45s. 80s.
(e) Carriage bodics, in the whiteeach	val.	OOR-	JUD,

<sup>\*</sup> Whichever rate returns the higher duty.

				New	Rates.
			Old Rates.		Tariff on
and the second	TARIFF ITEMS.				Goods the Produce
6	THE TIMES.		(British and Foreign Goods).	General Tariff.	or Manu- facture of
	(i) Motor lamin and				the United Kingdom.
di d	(i) Motor lorries and wagonsad (j) Motor cars, and parts thereof, including tyres when accompanying vehiclesad	val.	20%	35%	25%
•	(1) move cars, and pares thereof, including tyres when accompanying vehiclesad	val.	20%	35%	25%
	Division XV.		•	:	
			1.27	. *	
	Musical Instruments.				
378	Musical instruments, n.e.i.; Musical boxes; Pianolas, and other attachments or article	f			•
	rendering music by mechanical process: and metronomes and the like	170	15%	20%	0007
379	Organs, pipe	wel	20%	$\frac{20\%}{20\%}$	20% 20%
380	Metal pipes for pipe organs		Free.	Free.	Free.
381	Pianos, viz.— (a) Grand and semi-grand				. 1 2.1
•			20% ad val.		£15
	Whichever rate returns the higher duty.			40%	30%
	(b), Upright  Whichever rate returns the higher duty.  (c) N.E.I	each	20% ad val.	£5 10s.	£5.
	Whichever rate returns the higher duty.	val.	20/0 44 144.	40%	30%
5.00	(c) N.E.Iad	val.	20%	40%	30%
382	(u) I area thereof, n.e.i	wal	20%	30%	20%
ببدون	Musical instruments, parts of, and accessories—Actions in separate parts; strings; felts felting; hammers and ivories; handles and hinges for pianos; violin, mutes and	and	Actions, strings,		5 34
	rests; holders for attaching to band or orchestral instruments	chin	felts, hammers		
٠, ٠	band of officestrat instruments	• • • •	and ivories	10%	Free.
383	Military band and orchestral musical instruments—Bassoons; baritones; bombardons;	hug-	free; other parts not tariffed.	100	. 4 4 to
	les; clarionettes; cornets; cornophones; cor. Anglais (wood); Cymbals; cor. tenor (br	• (000	Miliary band	•	1.0
	contra bassoon (brass); doblophones; drums; double basses, emphoniums. A	uton.	and orchestra,		in the second
	fifes; harps; horns, viz., flugel, French, koenig tenor, and vocal ballad; musette; o	boes	musical instru-		
	or hautbois; piccoloes; saxophones; tenor trombones; trumpets; tubas; trian violins and violoncellos; bagpipes	gles;	ments and bag-		
	violate and violotechos, pagpipes	• • • •	pipes, free.	Free.	Free.
٠., ٠	Division XVI.				5 C C
			•	٠.	
	Miscellaneous.				. 111
-04	Dom harbete have seen at the title of the seen		•		
00±.	Bags, baskets, boxes, cases, or trunks, with or without fittings, viz.—				
	(a) Fancy; hand; sporting; travelling; picnic; toilet; dressing; glove; handkere collar; and work; satchels; reticules; valises; and companions	hief;			
	Jewel and trinket	val.	20%	35%	25%
	(b) Fancy boxes containing free goods or goods subject to a specific rate and	101	Not tariffed. Not tariffed.	35% 35%	25% 25%
	(c) Fancy Doxes containing goods subject to duty ad valorem to be dutiable at the	ao moo	1100 Maineu.	3070	20.70
905	rate as the goods		Not tariffed.	v	
388	Daskets, Viz.—Workmen's, of riish and straw				•
000	Articles, n.e.i., for advertising purposes, including all articles otherwise specifically enumed as free	erat-	free.	Free.	Free.
387	Curled hair and curled fibre	val.	Not tariffed.	25%	25%
388	Filters of all kinds and materials	1	Not tariffed.	25%	~ 25%
389	Boats, launches, and yachts imported in any vessel, or which have been put out of any vessel.	loppo	15%	15%	15%
	off the coast of Australia, and are subsequently brought into Australia, including	a 011	,	• **	
200	nttings	٦1	15%	20%	20%
აყ∪ ვი1	Oars and sculls	val.	000	20%	20%
392	Carpet sweepers, brooms, whisks, mopsad Brushes, viz.—	val.	Carpet sweepers,	·*	
	(a) Hair brushes, tooth, scrubbing, and other brushes, n.e.i., and brush sets for	hell-	15%; other 25%	30%	25%
	ad owner brushes, n.e.i., and brush sets for	Aej insnig	tooth brushes,		•
			15%; other 25%	30%	25%
7.5	(b) Hog-hair, sable-hair, camel-hair, badger-hair, in white metal,* tin, or quill, 1-inc	ch or	Aerographs not		20/0
803	under, including serographs.		tariffed; other free.	5%	Free.
304	Cokeper	ton	_4s.	48.	48.
395	Manures; Rope cordage, and twines, n.e.i., including cordage with metal core; macrame twines; fi		Free.	Free.	Free.
- ::	thread; brushmakers' and mattress twine: saddlers' twines, maing seeming see	min a'			
	and snop twines; and coir fenders, halters, and other articles manufactured from coi	mi or			
، در.	twinead	val.	20%	25%	25%
204		- /	Metal cordage, free.)	,	/0
397	Fishing nets and netting thereforad Yarns	val.	Free.	20%	20%
J.	(a) Jute, hemp, and flaxad	1	Nina andre i	10~	
/*. <b>-</b>	(b) Wool, n.e.1	1	Not tariffed.	10%	10%
	(c) Coir,		5% Free.	10% Free.	5% Free.
•	(d) N.E.I., including hose yarn		ngora varn free	50%	Free.
				- 70	<b>- 100</b> .
	* The term "Albata" was used in the old tariff.				
	When writing to Advertisers kindly mention THE CANADIAN MA	NUPA	OTURER.		
		• ;	•	•	•

	en de Maria. La companya di Maria		New	Rates.	_
	reconstructions of the second	Old Rates.		Tariff on Goods the	
	TARIFF ITEMS.	(British and Foreign	Comenal	Produce or	
	1	Goods).	General Tariff.	Manufac- ture of the United	
398	Reaper and binder twine and yarnper cwt	5s.	5a.	Kingdom 58.	, <u>, , , , , , , , , , , , , , , , , , </u>
399	Sewing silks and twists; and household, shoe-making, and bag-making threads and cottons.		5%	Free.	
	Unserviceable cordage for paper manufacture, pursuant to departmental by-laws	Free.	Free.	Free.	• .:
	Metal cordage, including cordage of metal, with core of other material	Free.	Free.	Free.	
<b>402</b>	Copying apparatus for duplicating typewriting and the likead val.	Not tariffed.	25%	25%	÷
<b>40</b> 3	Fumigators, atomizers, odorizers, vaporizers, and the like	Glass atomizers, 20%; other, not		,	
		tariffed.	20%	20%	Ç.;
<b>404</b>	Cork mats, bungs, rings, floats for fishing nets and other manufactures of cork, n.e.iad val.	Bungs and net floats,	e de la company	1437 / C	
<b>40</b> 5	Corks—	free; other 15%	15%	15%	u <sub>r</sub> ti
	(a) Small corks (up to 8-oz. bottles)per lb.	Free.	. is	(1. 18. )	46
	(b) N.E.Iper lb.	Free.	6d.	6d.	
<b>406</b>	Explosives, viz.—	grand the second		4	
	(a) Cartridges, n.e.iad val.	Free.	30%	20%	
	(b) Fireworksad val.	20%	35%	25%	
	(c) Fuse, n.e.i., per coil of 24 feet or less, and in proportion for any greater quantity			12 (A.N. F.)	: 7 -
	per coil.	Free.	1 <b>1</b> d.	1d.	
	(d) Powder, sportingper lb.	Free.	41d.	4d.	
	(e) Wads for cartridgesad val.	- Free.	25%	20%	
	(f) Caps, percussion	Free:	5%	Free.	
	(g) Cartridges, military	Free.	5%	Free.	
	(i) Cartridge cases, empty, capped, or uncapped	Free.	5%	Free.	
	(j) Fuse cotton	Free.	5%	Free.	
	(k) Fuses, electrical	Free.	5%	Free.	
	(l) N.E.I.	Free. Free.	5%	Free.	
407	Cameras and magic or optical lanterns, including lenses and accessories; lantern slides; photo	Photographic sens	5% i-	Free.	
	graphic sensitized films and paper	tized films and pa- per, 15%; other	•		
		20%	35%	25%	
	Photographic mounts; photographic backgrounds (mounted or unmounted); photo-				
	graphs, n.e.i.; postcards (sensitized with or without letter-press); postcards (finish-				
	ed, with letterpress); powdered magnesium; sulphite of soda; metabisulphite of				4/4
	potashad val.	Not tariffed.	35%	25%	
<b>40</b> 8	Photographic accessories, rubber, not being integral parts of cameras	20%	30%		
409	Photographic dry plates and negativesad val.	15% (Negatives, not	• • ,		
410	D 1.1.4.6	tariffed).	5%	Free.	
410	Prepared plates for engravers and lithographers.	Free.	5%	Free.	
411	Smoking pipes, n.e.i., and cigar and cigarette holders, and accessories; smokers' requisites including cases, tobacco pouches, smokers' sets, boxes, match stands, ash trays, smokers'		•		
•	lamps, cigar stands, and lightersad val.	000			
419	Clay smoking pipesper gross.	20%	30%	20%	
412	Works of art, being statuary* and paintings, oil or water colors, framed or unframed, imported	20% ad val.	. 18.	ls.	
	for public institutions or purposes under departmental by-laws	Free.	Free.	Free.	
114	Works of art, being statuary and paintings, oil or water colors, £5 and over in value, other than those for public institutions or purposes	37.4.4			
	(To be assessed for duty at £5 plus the value of the frame and mounting, if any, and	Not tariffed.	25%	25%	• .
	plus the value of the canvas or other material of which such statuary or painting is made				., 🕶 🕻
	Paintings, oil or water color, invoiced at less than £5 value	Free.	35%	35%	
416	Pictures, n.e.i	Free.	25%	25%	
417		37		) <b>*</b>	
418	likead val. Wall and ceiling parts, and decorations of any materials, n.e.iad val.	Not tariffed. Ceiling mouldings.	25%	25%	
		5s. per 100 sup.	. 🔻		
		feet; ceiling deco- rations (wood			
			25%	9507	
419	Cotton, asbestos, and other packings; including sheet asbestos, yarn, and cordad val.	Packings in rope		25%	
42N	Asbestos pipe and boiler covering; asbestos mattresses for boilers; asbestos mill-boards	form, 20%	20%	20%	
-20	Assessor paper and boner covering, assessor materioasts for solution, assessor and solution and val.	Not tariffed.	20%	20%	
421	Inks and stains for leather	Not tariffed,	20%	20%	
422	Articles, n.e.i., of celluloid, xylonite, bone, ivory, pulp, papier-mach., indurated fibre, or		~ /0	20%	42
	asbestos	Not tariffed.	25%	25%	- AE')
423	Surgical appliances, n.e.i., including belts, trusses, pads, corsets, braces, breast supports,	2100 (012)		* +	
	vaccination shields	Not tariffed.		25%	
424	Articles imported by or being the property of the Commonwealth	Free.	Free.	Free.	
425	Articles imported, or purchased in bond, for the official use of the Governor-General and	the second of the second of			
	declared as being for such official use	Free.	Free.	Free	416
	<del>nagagitan manap</del> agai di <mark>T</mark> anggaran manapagai di Kabupatèn Manapaga	and the standard of			

<sup>\*</sup> Statuary means any reproduction of complete figures in marble, clay, cement, metal, or wood, and being a work of art.

When writing to Advertisers kindly mention THE CANADIAN MANUFACTURES.

			New	Rates.
	fariff items.	Old Rates. (British and Foreign Goods).	General Tariff.	Tariff on Goods the Produce or Manu- facture of the United
,	Articles specially designed and imported for the use of the blind, deaf, and dumb, when imported by governing bodies of public institution having the care thereof	Free.	Free.	Kingdom. Free
	Uniforms, flags, and office requisites, for official use, imported by a Consul who is not a British subject or engaged in trade in Australia	Not tariffed.	Free:	Free.
720	and water towers	ree (hose carriages, not tariffed)	Free.	Free
	Minor articles, prescribed by departmental by-laws, for use in the manufacture of goods within the Commonwealth	Free.	Free.	Free.
- ,	Models of inventions and other improvements in the arts and manufactures, and models of ships	Free.	Free. Free.	Free. Free.
	Natural History, specimens of; models and wall diagrams for illustration of natural history.	Free.	Free.	Free.
	Passengers' personal effects; passengers' furniture and household goods which have been in	r icc.	rice.	rice.
203	actual use by such passengers for at least one year, not exceeding £50 in value for each	<b>.</b>		
434	adult passenger*	Free.	Free.	Free.
435	the use of universities, colleges, or schools	Free.	Free.	Free.
	ties, colleges, schools, or public hospitals under departmental by-laws	Free.	Free.	Free.
100	Amputating; cupping; dissecting; examining and operating; veterinary; lint; gauzes; bandages, n.e.i.; ligatures; oil silk; poroplastic felt; splints and artificial limbs and	•		
	eyes; surgical pessaries; glass rectum and vaginal tubes; dental rubber; amalgam and	*** *** *** *** *** *** *** *** *** **		•
•	gold filling in-pellets or cylinders.	Free.	10%	Free.
	Operation bags fitted with instruments; syringes; galvano-cautery batteries and ap-	<b>.</b>	ad val.	
	pliances; operating tables; dressing and instrument trays; accident emergency cases; hot air apparatus for legs and arms; X-ray apparatus except motors; snake			-
	, bite outfits; medicated wool; aseptic paper; impression trays	Not tariffed.	10% ad val	Free.
437	Theatrical costumes and properties subject to departmental by-laws	Free.		Free.
438	Trophies won abroad	Free.	Free.	Free.
	Decorations awarded and sent from abroad to individuals	Not tariffed.	Free.	Free.
439	Goods which have been passed by the Gustoms and subsequently sent out of the Common-	•	•	
* *	wealth for repairs, which, in the opinion of the Minister, cannot be reasonably done in the	i de la companya de		
	Commonwealth, may, upon re-introduction, under departmental by-laws, be admitted upon payment of duty on the dutiable value only of any repairs or additions to the goods.	Not tariffed.		
440	Furniture and other household effects, the bona fide property of passengers arriving in Austral-			
	ia, and which have been previously in use by such passengers within the Commonwealth, and are not imported for sale.	Not tariffed.	Free.	Free.
441	Blankets, rubber or wool for printing machines, top cloths for ruling machines, felts for paper		1 100.	r ree.
	making machines, when imported with the machines of which they form a necessary working part, one or more as required for working the machine	15% ad. val. [one blanket allowed		# 1
	working bars, one or more an reduced for working and machine	with each machine	Free.	Free.
٠.	and the second of the second o	when accompany-		
	the second of th	ing the same];		
	in the control of the	Felt for paper-making machine, free.		
442	Scientific instruments and apparatus, viz.—			•
	(a) Instruments for measuring the density of liquids, solids, and gases; including hydrometers, saccharometers, lactometers, salimometers, and barkometers	Not tariffed.	Free.	Free.
	(b) Barographs; calorimeters; cathetometers; dividing engines for graduating bars,	Not tarmen.	r ree.	r ree.
	tubes, and circles; kymographs, and time markers; dial micrometers; microtomes;			
•	pyrometers; spherometers; thermographs; thermostats; thermoregulators; microscopical, mineralogical, and blow pipe cabinets (fitted); mercury vacuum	entropy of the second s		
	pumps; vacuum gauges, viscosimeters, vacuum ovens for laboratories; drawing, mathematical, and surveying instruments	Not tariffed.	Free.	Free.
	(c) Bacteriological apparatus; including counting apparatus, culture dishes, flasks and tubes, slide cabinets and trays, staining dishes and plates, stains, incubators	Not tariffed.	Free.	Free.
	(d) Scientific instruments for measuring absorption, dispersion, reflection, refraction, and rotation of light, and for color analysis and color comparison	Not tariffed.	Free.	Free.
٠	(e) Apparatus for the testing and analysis of milk, wine, and other agricultural products, as prescribed by departmental by-laws.	Not tariffed.	Free.	Free.
443	Ophthaknic instruments and appliances; including cases of trial lenses; caustic holders; demonstrating apparatus; eye douches; electro magnets; eye compresses; eye guards;		- 100.	- 1 <del>00</del> .
	sphthalmic lamps; ligature bottles and troughs; ophthalmoscopes; optometers;			
	perimeters; pupilometers; sterilizing apparatus for solutions; operation tables; temperature regulator; test types; tests for color vision; trial cases; trial drums;		-	
	trial frames: dressing trays; instrument trays.	Not tariffed.	Free.	Free,
444	Outside packages, n.e.i., in which goods other than those subject to an ad valorem duty are ordinarily imported, when containing such goods	Free.	Free.	Free.
	<del>and the second of the second </del>	•		

<sup>\*</sup> Two members of a family, under 18 years of age, but not less than 12 years, may be reckoned as one adult. When writing to Advertisers kindly mention The Canadian Manufactures.

### SCHEDULE.

### REBATE FOR HOME CONSUMPTION.

No. of Item in	Tariff Items.		Rebate.
Schedule A.			
124 Piece Goods of any	material, when used in the manufacture of Rubb	er Waterproof Cloth (a)Thr	ee-fourths of the
164 and 166 Machinery,	, and parts thereof, used in the manufacture of F	ibrous Materials and Felt, and Felt Hats, d	uty paid.
when installed	for use in a Woolen Mill or a Hat. Factory for the	manufacture of such Materials. Felt. and	
Hats (b)			full duty paid.
			, • -

### EXCISE DUTIES.

All imitations to be dutiable at the rate chargeable on the goods they imitate, unless such rate is less than the rate which would otherwise be chargeable on the imitations.

"N.E.I." means "not elsewhere included."

Tariff Items.	Rates.
Cobacco, cut fine, for Cigarettes	per lb. 38
obacco, manufactured, n.e.i., made in Australia, both from imported and locally-grown	leafper lb. 1s. 3
Son the	in the state of t
(a) Machine-made	per lb: 1s
(a) Machine-made(b) Hand-made	per lb. 6d
igarettes, including the weight of the outer portion of each Cigarette	ber lb. 36
nuff	per lb. 2s.
tarch—	က E ကြည့်အကြောက် ကြည်သည်။ ကြော်မြော်ကျော်ကြောင်း
(a) Made from rice	per lb. 1d
(1) Mr. J. Suran marketick manuscin the Chammon and the	T?
mylic Alcohol and Fusel oil	
Hucose	per cwt. 4s
nvert Sugar and Invert Syrup	per cwt. 3
accharin and other similar substitutes for Sugar	per lb. £
olden Syrup, and Syrups, n.ei	
The state of the s	

- (a) These goods were admitted at the rate of 71% ad val. under the old Tariff.
- .(b) Machinery used in the manufacture of fibrous materials, and for felting, was admitted free of duty under the old Tariff.

### CUSTOMS BY-LAWS.

The following By-Laws have been made by the Commonwealth Minister for Trade and Customs respecting the free importation of various articles into the Commonwealth:—

### MACHINE TOOLS AND PARTS.

The Machine tools and parts thereof enumerated hereunder (but not the Motive Power, Engine Combination, or Power Connexions, if any) may be admitted free of duty under this By-law, vis:—

Bookbinding-Backing; bench presses; bevelling; binding; blocking; blocking and gilding presses; book rolling; book rounding; case rolling; case cleaning; case making; cutting; eyeletting; embossing; finishing press and stand; folding; glueing; glueing and gumming; indexing; laying presses; leather embossing, identical with bookbinders' embossing machine; nipping presses numbering; paging; paring; perforating; presses, cutting and laying; presses, embossing; press, lever embossing; punching; rotary bevelling machine (similar to book-binders' bevelling machines) used in bevelling the edges of cards; ruling; ruling machines and glueing machines; ruling (line) and printing machine; scoring; stamps and dies, for embossing machines; stand presses; stapling; top cloths for ruling machines (one allowed for each machine when accompanying such machine) trimming; type-high borders, 12 inches long (solid brass) for bookbinding; wirestitching machines.

Brushmaking—Boring; cutting; filling; flue or bottle brush machine; knives, if designed specially for use in machine tool used in brushmaking; shaping; trimming.

Glassmaking and working—bevelling machines; bottle-making; glass beveling and and polishing machine; patent presses; roughing mills; sandblasting; standard iron-frame plate-glass polishers.

Metal-working—Arbor or mandrel presses; bending rolls, n.e.i.; bobs or wheels (leather) polishing for lathes; bolt making; capsules, (metallic) machines for making; caulking and chipping machines; centering, n.e.i.; chuck sets with drills; chucks for lathes; cold tyre setting machines; commutator grinding or turning apparatus; copying lathes, for metals; cornering and punching machine; cropping; cutter making; cutter, rule; cutters, lead and brass; cutters, lino. slug (printer's tool for cutting leads, etc.); cutters, milling machine, to make lathing out of metal sheets; cutting, tooth-wheel or gear; discs, to be made into milling cutters; dressers, emerywheel, whether worked by hand or otherwise; drilling; electrotyping, stereotyping, and photo-engraving machines; eyeback; facing; facing and boring; Note—The boring portion is a very small detachable part of the machine. Finning; flanging; forging; grinders, mower; grinding; grinding, expressly for sharpening sheep-shearing cutters; grinding and sharpening tools; grover or dado head for cutting groves; guards, saw bench; guillotine, Tinmen's squaring shears; hammers (steam) n.e.i. Note-Steam hammers are not driven by a belt, but are acted

upon directly by the steam which is within themselves; horseshoe; keyseating; lathes; measuring machines; milling; mitreing; mops; calico, used in connection with iron working machine tools; nail making; nippers or cutters, bolt; nut finishing; nut making; patent die stock for hand power; planing; plates, lathe. face; profiling; punching bears; punching and cornering machine; punching and shearing machines, n.e.i.; punching and shearing machines, whether in combination or separate, n.e.i.; riveting; rivet making; saw bench, cold iron, for cutting cold iron; saw bench; saw gummers; cutters for saw gummers; sawing; sawing machines for printers and stereotypers; screwing, n.e.i.; shearing machines, n.e.i.; shaping; shaping machine, for funnels, etc.; sharpener, drill; shrinkers, cold tyre; slotting, n.e.i.; sprue cutting; straightening; tapping, n.e.i.; tools, threading and boring; tooth-wheel or gear-cutting; type casting and finishing machines; upsetting and welding; washer making; welding; wheel presses (hydraulic).

Paper finishing, cutting and folding—Automatic ending; bending and creasing; covering; cutting, viz.—card, guillotine, label, lever, millboard, rotary cutting and grooving, rotary cutting and scoring; damping; dies, for box making machines; envelope making; folding box glueing machine; folding paper and envelope; glasing and hot rolling; knives, paper cutting machine; labelling; machines for coating and finishing; paper bag and paper box making; paper roughing or graining machine; paper slitting; paraffin machine, for coating paper;

plates, warm, for box making machines; power stripping machine, similar to a card cutting machine; power thumb hole; punching and cornering machines; riveters, Tom Thumb, used for leather work; sticks, cutting, 42 inches in length, and 1½ inches by 1½ inches, for clamp paper-cutting machine, strawboard sheet lining; lining machine; topping; varnishing paper; wrapping.

Saddlers' and harness makers' and bag makers', viz.—Creasing; leather printing presses and plates; pinking; riveting; strap cutting; stitch pricking; trace-trimming machines and presses and dies for loops.

Stone working-Litho. stone grinding.

Tanning Measuring machines.

Tile, pipe, and brick making—Blungers; cement stone machine, similar to press for moulding hollow concrete building blocks; filter presses; grinding mills (for enamels, colors, glazes and flint); magnetiser; moulding machines; press, for moulding hollow concrete building blocks; press stamps; sifters; stilt, spur and thimble presses.

Wood Working—Bolts, cutter, specially designed for use with a wood-cutting machine; boring; box-trimming machine; cask-making machines, viz.—chiming, combined hoop punching, crozing, dowelling, hoop splaying and bending, rounding and bevelling, shearing, splaying and bending, stave jointing; carving, clement hand-feed dowel, if for cask making; copying lathes; double spindle shaper; dovetailing; fret work, being sawing; hub borers; joining; mortising; moulding; patent door sticking machine; planing; rounding; samd-papering; saw-brazing; saw-sharpening; spokemaking; surfacing; tenging; tongueing and grooving; trying up; wheel-making lathes.

Miscellaneous—Eyeletting machines; grinding and polishing discs. Note—This term does not include grinding discs used with flour and grain mills, etc. Lens cutting machines; lens drilling machines; lens grinding machines; lens measures; punching and eyeletting machines; strap-punching machine; studding, for putting studs on boots.

Tools of Trade for Artisans and Mechanics and Tools in General Use.

The Tools enumerated below, when not made wholly of wood, may be admitted free under this By-Law, viz:—

Tools of trade not being machines, viz.-Adzes; anvils, riveting (being parts of rivet sets); auger bits; augers, awls; awls, viz.—Brad, marking, peg, saddlers', and shoe; axe, pole; axes; bands, surveyors' land; beach standards for gripping timber; bender, little giant ring, a jeweller's tool; bevelling and skiving machine, for saddler's use. Note—This is not strictly a machine, although so called. Bevels; bobs, plumb; bodkins; bodkins, printers'; bodkins, stationary (or prickers); bookbinders' tools (including knives); bootmakers' tools (including knives); borers (angular); borers bung; boxes and pins for vises; braces and bits; braces (ratchet); braces, carpenters' braces, engineers'; bricklayers line pins; bruzzers; buffers (farriers'); burnishers (including bloodstone); calipers; cards (file and wool); carvers' tools; case openers

(hand); chains, measuring; chains, surveyors' land; chasers, cap; chases (printers') chisels; chisels, cross-out, steel; choppers; clamp, iron frame, sash, door and blind; clams (saddlers'); clamps; claws, nail; cleaner, combination hoof, being hoof pick, hammer, wrench and screwdriver combined; cleavers; combs-graining, curry, furriers', mane, bristle; compasses, viz.—carpenters', coachbuilders', coopers', engineers; coopers' tools; cork squeezers (hand); cramps, all kinds; cutters, adjustable; cutters—an apparatus of metal and wood, known as a rotary diamond glass cutter, for cutting circles of glass; cutters, viz.—bolt, glass, mitre, pipe, plug, wad, washer, and wire (hand); double, masons', for stone working, farriers' hoof, similar to pincers; diamonds (glaziers'); dies, cutting; dies, screening, for nut and bolt making; diggers' (post hole); door clamp, consisting of an iron bench and grips for holding the door tight while the door is operated upon by workmen; dowel plates; dowel rounders; drafters, garment; drills; drills (for machine use); drills (machine, for hand use); ear markers; engravers' tools; expanders (tube) fasteners, hand button, for boots, used by manufacturers only; fencing crimpers; file, wright and rust patent valve; files and rasps; forks (coal, coke, sluice, stone, and miners); forks (digging, hay, stable, maltsters', cooks', and tanners'); forks, tine safe-edge utility; forks, tuning; fork, small garden, used by hand only; frames-hack saw-if the blades accompany the frames, even if not attached, the whole; hack sew, with blades attached; froes (shingle); garden tools, hand, including women's; gas burner taps (or plumbers' combination tool); gauges; gauges, gun; gauges, hamlet dimension, a saw bench attachment; gauges, hat; gauges, micrometer; gauges, wire; gilders' tools; gilding apparatus or gold foil holders; gimlets; glaziers' tools (including knives); gouges; grafting tools; grinding spectacle glasses, cylindrical tools for; grubbers; hammers; handles, metal bound pick; hatchets; hoes (garden and plantation; holders, sad iron; holders, type for use in printing labels on collars, etc.; holdfasts (bench); hooks (bush, fern, furze, hop reap, sail, slashers, spud, and weed); hooks, bagging; hooks, bill; hooks-grass, socket (agricultural); irons, viz.-bick, charcoal, creasing, crimping, croze, flagging, goffering, pinching, pinking, plane, saddlers' shaving, soldering, and spoke shave; irons, caulking, viz.-single crease (or making), horsing sharp spike, trenail, jerry, deck, and reaming (or busters), pen mauls; irons (Italian, smoothing, sad, cloth manufacturers' and tailors'); irons-billiard (with shoe), smoothing (with heater), soldering; jewellers' tools; jiggers; jointers; keys, tuning; knives, viz.cane-cutting, curriers', draw, farriers', gilders', gold (printers'); hay; moon (curriers'), palette (printers'), paring (printers') putty, scudding, splitting (saddlers'); striking, tanners', welt trimmers; lamps-brazing lamps and blowpipes combined, painters', burning off; singeing; levels, sight, to attach to carpenters' levels to take levels at long distances; levels, spirit; lithographic tools; mason's tools; mattocks; measurer, foot and last; measurers, counter brass; measuring rules, tapes, and chains micrometer gauges; neicrometers (Ameri-

can); mill bills; mitre boxes (metal); mortar larries; mortars and pestles: moulders' tools; moulds—bougie (similar to sup-pository moulds), lead (for lead-light worker), suppository; myticuttah, used for pruning and dehorning; nail drawers (hand); needles; needles, miners'; nippers; Outfits, fretwork on cards, consisting of steel frame and other tools of trade; painters' tools, including knives; painters' -the exemption applies to painters' knives, whether used by artists, or otherwise; palms, saddlers'; parers, hoof; piano tuners' tools; pickers (fruit); picks, miners; picks, miners' mean double ended pointed picks, not exceeding 4½ lbs. in weight, and single-ended picks with hammer heads of any weight; pill rounders; pincers; pins, knitting; pins, line, masons'; pipe wrenches; pipes, blow (for use by mouth only); planes; plasterers' tools; plates (draw and screw); pliers; pliers, button-hole; presses (capsule, for bottling by hand); pricker (pad); printers' tools, viz.—blocks for mitreing, chases, gauge and laying-on pins, galleys, gold knives, imposing surfaces; keys, levigators, metal furniture, moulds for making rollers, palette knives, quoins (metal) and locking-up apparatus, quotations, rollers, frames and stocks, rolls and fillets, sticks (composing, side and foot, shooting), tweezers, typeholders; punches, pruning tools; punches; punches—eyelet, including those for office use, steel letter, wad; racer, compass, saddlers'; rakes (hand); rakes, hay; rasps and files; rasps (bread); rasps (shoe); reamers; reamers for vehicle makers; rein rounders; ring sizes and sticks; rippers (slaters'); riveting anvils (being parts of rivet sets); rollers (grainers' and paperhangers'); router, double-ended; routers (wheelwrights'); rules; saddlers' and harnessmakers' tools (including knives); saw ears, with bolts attached; saw frames, with saw-blades attached; saw swage jumper or upset; saws, hand; scissors, grape; scoops or grain shovels; scoops, spring wire; scrapers (cabinet, deck, dough, horse, pig, plumbers', and tube); scrapers, painters'; scrapers, ships', if deck; screws (bench); screw-drivers; scribes; scythes; seccatuers; sets (rivet and saw); shaper, swage; shaves; shaves, edge; shave, saddlers'; shave, skirt; shears, viz.—brushmakers', garden, printers', pruning, sheep, tinsmiths', tree pruning; shovels and spades; shovels, grain; sickles; smelting tools, viz.—ladles, rable heads, slag scrapers; snips (tinsmiths'); spanners; spatulas; spirit levels; spoke-shaves; spoke trimmers; squares; squares, tailor; squeezers (cork, hand); standards (bench); standards (bench) for gripping timber; steels, curriers'; stereo. tools; stocks and dies and taps for same; stops (bench); strainers (wire); strainers, web, for saddlers; stretchers (carpet and hat); stretchers, wire, if wire strainers; suppository moulds; surface plates; surfaces, printers' imposing; swage, saw; swage, sharpers, swages and swage blocks; tangs, for cross-cut saws; tanners' and curriers tools (including knives); tape measures; tapes and chains (measuring); tapes, Chesterman, with wires running through fabric; thimbles, tailors'; tinsmiths' tools: tomahawks; tongs, crucible (jewellers'); tools, combination, consisting of pincer, tomahawk, hammer, hollow punch, wire-

cutter, nail driver, and screwdriver; tops, malleable, for shovel and spade handles; trammel heads or points; triers; trimmers, draw stroke; trowels; trowels, garden; turnscrews; tire lifters; vehicle makers' tools, viz.—counter sinks, cutters (plug and washer), draw knives, drill holders, reamers, tire measures, tire measures, wheel; vises; vises, boxes and pins for; watchmakers' tools; wedges, piano tuners'; wheels, Coe's patent gilding; wheels, pipe cutter; wheels, tire measures; wheels, tracing; winker dies; winker presses; wrenches (including pipe wrenches).

MINOR ARTICLES FOR THE MANUFACTURE OF GOODS WITHIN THE COMMONWEALTH.

The following minor articles (not being partly or wholly of gold or silver or gold or silver plated) for the manufacture within the Commonwealth of the following Goods, may be admitted free under this By-law, viz.:-Agricultural, horticultural and viticultural implements, viz.—Cheek bits and mouth pieces for chaffcutters; fingers and sections

Apparel—Bindings, not being edgings; boot laces (except of leather); bodice steels; brace fittings (metal) except buckles; busk fasteners; eyes; ferretings; filletings; hangers (plain); hooks; protectors—plaquet fasteners or closers not in the piece; stay laces; stay fasteners; shields; skirt steels; statute galoons; tapes; tips for corset shields; webs; webbing; wire; wire ribbon; whalebone, plain or covered; rings, hooks, slides, band slips, bow clips, steel points, stud slips, stud spikes, tie springs, used in the manufacture of ties;

Artificial flowers-centres, cups, petals, tubing wool; cotton fringe; cotton tubing. Ashpans—Knobs.

Bags, portmaneaux, and trunks-bolts; buckles; catches; clamps; clips; corners; frames; handles; handles, cash box; hinges; holders for lids; key-plates; locks; loops for handles or straps; nails (fancy); ornaments for portfolios; plates; rollers; stars.

Bedsteads—rail ball knobs or buttons: stamped and spun mounts, viz.-vases, rings, tops, husks, middles, spindles (of all kinds), ends, tees, caps, tips, roses, and rosettes; shields, bottom mounts, ball tees, rod and terminal ends, ferrules, castors, castor pegs.

Bellows—hoops, pipes.

Blinds-Actions, patent; eyes; holdfasts; knobs, screw; pulleys.

Books-bookbinders' clasps and corners for books; headbands.

Boots and shoes-banding, woven (with or without trade mark or name); beadings, up to 11 inches in width; bristles; caps, toe (metal); clasps, iron, for clogs and pattens; facings, up to 1 in. in width; fasteners, button; heels, wooden, with or without leather covering; heels for clogs and pattens; heels (wooden) covered with leather and shod with leather plate or with brass and leather plate; hook and lace studs and eyelets; irons for clogs and pattens; nails, viz.-bills, sparrow and other, clog, cricket, heel, hob, hungarian, nugget, pin-point, rivets, running, screw or ice, spike, sprigs, tacks, lasting, tips, tingles; pegs and peg- Letter files-clips-

wood; plugs; seamings up to 11 in. in width; strappings, back, up to 11 in. in width; top banding.

Boxes-edgings and studs.

Brooms-Tufts, or plush tops for whisk brooms.

Buckets—ears.

Cans-ears.

Carpets—bindings.

Cartridges—cups.

Coal scuttles—screws for handles or hinges, with or without nuts; stars and knobs, with screws, with or without nuts.

Colanders—handles.

Cycles, children's—malleable cast hubs.

Fenders—vases, spun or stamped, knobs and

Fishing rods—buttcaps; counters; ends; ferrules; hitches or catches; rings.

Furs-eyes, imitation tails, metal clips.

Furniture—bindings (except leather); bookcase studs; buttons; caps or ferrules for bamboo furniture; castors and rims therefor; castor 'pegs, for use on bedsteads; cupboard turns and catches; desk stays; ferrets; gimps; grassware (twisted grass, used in furniture making); handles—drawer and wardrobe (metal) except gold or silver, or plated with gold or silver; hinges, butt, 31 inches in length and under; hinges, lift-off, 81 inches in length and under; desk hinges, 3 inch by 21 inches and under; table hinges, 31 inches and under; centre or wardrobe hinges, 31 inches and under; screen hinges, 31 inches and under; Lace; looking-glass movements; metal clips, for cane chairs; nails, fancy; pith cane plait; rush plait; tufts and fringes; wood paper cord; woven cane.

as fittings—Gas tips—lava; steatite. Harness-see leatherware.

Hats and caps-braids; buckles, not for adornment; braids or plaits of chip palm leaf, manilla, willow, osier, rattan, straw, tuscan, or grass suitable for making or ornamenting hats; bindings; covered steel; ear roses for military hats and helmets.

Hats and caps—embroidery bullions; galoons, 11 inches in width and under, and of one color; metal hat fasteners; vents of cord; ventilators; wire in the form of a frame for rims of men's dress hats:

Hydrometers (glass) and thermometersglass tubing.

Jewel cases—catches, hinges, ring rest pieces, snaps or push pieces.

Kettles, teapots, saucepans—ears, tea kettle knobs, teapot hinges, tinned front handles; tinned saucepan handles; brass bottle top screws.

eatherware, harness, saddles, and whipsbolts and nuts (saddlers'), with or without plated heads; chain front, with leather back, no loop; clog, a metal frame covered with leather, forming a stirrup; foundations, iron, for winkers; fronts, patent clinched chain bridle; hooks, for sweat pads; mountings, including hames, bits, and stirrups, not being gold or silver, or gold or silver plated; pads, stirrup, detachable, lined with velvet, to be used with stirrup leathers; rope adjusters for halters; snaps; springs for leggings.

Parasols, sunshades, and umbrellas—caps; cups; ferrules; mounts; notches; ribs; rings; runners; swedges; tassels; tips; umbrella pins.

Perambulators—malleable cast hubs.

Purses metal mounts.

Saddles—see leatherware.

Tents and tarpaulins, etc.—eyelets and rings (sail and sacking).

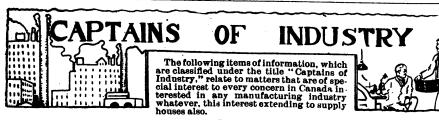
Umbrellas—see parasols.

Vehicles—anti-rattlers (except india rubber); back lights; bands, nave; bar mountings; barrels, curtain; buckles; buckle loops; beading; bead finishers; bow rest; bow sockets; burrs-iron; buttons; check loops; clips; collars; conductors—water; couplings, shaft and pole; ends; eyes; fasteners, viz.—apron, curtain, patch, seat; hingesconcealed and butt; irons-dees, shackle, slat, tugs, shaft tops; ivories; joints, concealed; joints, stump; joints, hood or top braces; knobs; lace, broad, pasting and seaming; malleable cast hubs used in the manufacture of children's cycles and perambulators; plates, felloe; plates, shaft; pole crabs; props or nuts for tops or hoods; shackles; slides, seat; staples—breeching; steps and step treads; stops, shaft; tassels; tips; top prop and lever, for buggy hoods; Vater can fittings, viz.—brass connecting screws; brass connecting ferrules.

### A CITY MADE TO ORDER AT COST OVER HUNDRED MILLION DOLLARS.

In addition to the seventy-five million dollars already voted for and being expended upon the establishment of the United States Steel Corporation's new town of Gary, Ind., another appropriation of fortyfive million dollars is to be expended, and has been authorized appropriated. Three thousand men are now engaged in building the city and this force is being added to at the rate of three hundred a day. The steel works at Gary are expected to be models of their kind when their equipment is finished. For complete modernness in every detail there will be nothing in the world approaching them, and the new town being built up around it to accommodate the workmen to be employed in it is also a wonder.

Broadway, the principal thoroughfare of the city, has been constructed for a distance of three miles, paved the greater part of the distance with concrete; lined its entire length with concrete sidewalks and for two miles on each side with business blocks. A complete sewerage system has been constructed and a waterworks system, constructed on a basis of a city of 300,000 inhabitants, is in usé. Gas mains have been laid all over the city, and the plant will be in operation October 1. The electric lighting plant is now in commission. In the residence districts more than fifty homes are rapidly nearing completion, and orders have been given that homes must be ready for 50,000 persons by the time the steel plant begins operations.—Stoves and Hardware Reporter.



The Dewdney Jewelery Co., Toronto, Kingston, Ont., and S. C. Calvin, Garden have been incorporated with a capital of \$40,000 to manufacture jewelry, watches, clocks, etć. The provisional directors include A. R. Dewdney, Toronto, E. J. Elliott, East Toronto, Ont.

A newly organized company, known as the Niagara Falls Canning Co., have commenced the erection of a large plant at Niagara Falls South, Ont. It is expected that the new concern will be ready to commence operations in the spring.

The Grand Trunk Pacific Railway Cohave under construction a large drawbridge across the Kaministiquia River near Fort William, Ont. The price for the abutments and piers will be \$250,000.

About 200 miles of the Canadian Pacific Railway double track between Winnipeg, Man., and Fort William, Ont., will be open for traffic this fall.

The Department of Public Works, Ottawa, invite tenders for the extension of the town dock at Southampton, Ont.

The following contracts have been awarded by the Department of Public Works, Ottawa: A ferry wharf at Dalhousie, N.B., at \$10,000. to J. & A. Culligan, of Jacquet River; break-water at Trancock Island, Lunenburg, N.S., to A. V. Girroir & Sweet, of Antigonish, at \$20,000; wharf at Agnes, Beauce county, Quebec, to A. L. Lapoite, of Agnes, at \$4,000, and wharf at Sand Point, Renfrew county, to J. J. Fallon, of Cornwall, Ont., at \$6,000.

The contract for a new pattern storage vault, 80 x 50 feet, for the Paris Plow Co., Limited, Paris, Ont., has been awarded to John Carnie, contractor, of Paris. It will be of fireproof construction throughout and is to be finished ready for occupation this fall.

The ratepayers of Uxbridge, Ont., voted favorably on a by-law to loan the Palmer Piano & Organ Co. \$25,000.

The premises of the Orangeville Woolen Mills, Orangeville, Ont., were destroyed by fire October 4. Loss about \$12,000.

The premises of the Town Hall, Meaford, Ont., were destroyed by fire October 5.

M. J. Whelan, Ottawa, has been awarded the contract by the Public Works Department, for the construction of the standardization building at the Ottawa observatory, at a cost of about \$14,000.

The Merchants Steamship Co., Toronto, have been incorporated with a capital of \$150,000, to manufacture ships, vessels, boats, etc. The provisional directors include A. G. Ross, B. Osler and J. M. Ewing, Toronto.

The Kingston Shipping Co., Kingston, Ont., have been incorporated with a capital of \$100,000, to carry on a carrying and forinclude H. W. Richardson, D. D. Calvin, H. Cullen, Detroit, Mich.

Island, Ont.

Among the firms that have ordered standard duplex pumps from the Smart-Turner Machine Co., Limited, Hamilton, are E. Leonard & Sons, London, Ont.; Johnston Bros., Jarvis, Ont.; the Canada Paint Co., Toronto; Fred Armstrong, Toronto; McColl Bros. & Co., Toronto; Hiram Walker & Sons, Walkerville, Ont.; the John Whitfield Co., Toronto; H. B. Kirster & Co., Woods-lee, Ont.; E. Van Allan & Co., Hamilton; the Biggs Fruit & Produce Co., Limited, Burlington, Ont.

The St. Thomas Packing Co., St. Thomas, Ont., have been incorporated with a capital of \$100,000, to carry on a packing and cold storage business. The provisional directors include S. Dubber, W. H. Moody and L. Jones, St. Thomas,

The Raven Lake Portland Cement Co., Raven Lake, Ont., will be re-organized.

The Automatic Telephone Co., Toronto, intend erecting a large factory for the manufacture of telephone supplies.

The Taylor-Anderson Co.. Lucknow, Ont., have been incorporated with a capital of \$40,000 to manufacture clothing, woolens, etc. The provisional directors include J. G. Murdoch, J. G. Anderson and G. H. Smith, Lucknow, Ont.

John Hayman & Sons, London, Ont., have been awarded the contract for the erection of the addition to the shop of the Grand Trunk Railway Co., at a cost of about **\$**51,000.

The Department of Public Works, Ottawa, invite tenders up to October 25 for the construction of an extension to the Southampton Harbor of Refuge, Southampton,

The P. Hymmen Co., Berlin, Ont., have been incorporated with a capital of \$60,000, to manufacture hardware, plumbers supplies, etc. The provisional directors include P. Hymmen, H. Hymmen, and H. L. Hymmen, Berlin, Ont.

The Independent Telephone Co. are erecting a line from Smith's Falls to Toledo, Ont.

The ratepayers of Clinton, Ont., voted favorably on a by-law to raise \$53,000 to install a waterworks system.

The town of Collingwood, Ont., are asking the Ontario Municipal and Railway Commission for permission to issue \$4,000 waterworks debentures without submitting a by-law to the ratepayers.

The Northern Islands Pulpwood Co., Port Arthur, Ont., have been incorporated with \$100,000 to mannfacture timber, lumber. pulpwood, etc. The provisional directors include R. H. Jenney, Marquette, Mich.,

A complete set of filter beds will be constructed at Guelph, Ont., covering about 1½ acres, at a cost of about \$10,000.

The waterworks system, Sudbury, Ont., will be extended at a cost of about \$10,000.

The Consumers Gas Co., Toronto, will erect a boiler house, condenser house and smoke stack at a cost of about \$60,000.

The Glengarry Cobalt Mines Co., Haileybury, Ont., have been incorporated with a capital of \$600,000, to carry on a mining, milling and reduction business. The provisional directors include L. A. Roy, J. J. Johnson, Montreal, and C. N. Blakely, Westmount, Que.

A duplicate lighting plant will be installed in Paris, Ont.

Messrs. W. & D. Dineen, Toronto, will erect a factory in the rear of their premises.

Building permits to the value of \$385,700, were issued in Stratford, Ont., during Sep-

The Highland Mary Gold Mines, Toronto, have been incorporated with a capital of \$3,000,000, to carry on a mining, milling, and reduction business. The provisional directors include D. A. Rose, G. Howard and G. T. Veale, Toronto.

The National Light & Mfg. Co., London, Ont., have been organized with a capital of \$50,000. They have secured premises having a capacity of over 10,000 feet of floor space, and will establish a factory.

The Alaska Down & Feather Co., Montreal, are considering the establishment of a factory at Smith's Falls, Ont., if a suitable site can be secured.

Queen City Foundry, Limited, Toronto, have been incorporated with a capital of \$40,000, to manufacture boilers, engines, stoves, ranges, bolts, hinges, etc. The provisional directors include E. Gillespie, W. C. Burt and J. W. Clark, Toronto.

The ratepayers of Mitchell, Ont., voted favorably on a by-law to grant Dufton & Waterhouse a loan of \$10 000 to enable them to increase their plant to manufacture under-

The British America Elevator Co., which operates the Canadian Northern Railway elevator at Port Arthur, Ont., has been reorganized as the Port Arthur Elevator Co.

The Dominion National Smoke Consumer Co., Hamilton, Ont., have been incorporated with a capital of \$50,000, to manufacture smoke consuming and fuel saving devices, etc. The provisional directors include F. H. White, A. R. White, Hamilton, and N. R. Hand, Medina, N.Y.

Work on the 2,000,000 bushel elevator, which is being erected for the Dominion Government at Port Colborne, Ont., is being pushed, and it is hoped to have one wing with a capacity of 850,000 bush. completed for this season's crop. When entirely completed the elevator will stand 170 feet above the wharf, occupying a ground space of  $210~\mathrm{x}$ 75 feet.

The city of Toronto will erect a sea wall in front of the Exhibition grounds.

The Department of Railways and Canals Ottawa, have under consideration the conwarding business. The provisional directors A. J. Richardson, Wyandotte, Mich., and J. struction of a dam at Bobeaygeon, Ont., in the Trent Canal.

Mesers. Shurly & Derrett, Toronto, have been incorporated with a capital of \$75,000, to manufacture jute, hemp, flax, cotton, silk, etc. The provisional directors include C. J. Shurly, T. F. Shurly, Galt, Ont., and G. D. McAllister, Toronto.

Five carloads of silver concentrates valued at \$40,000, have been shipped to the smelter at Omaha by the Hanson Consolidated Mines, Port Arthur, Ont.

A by-law to raise \$75,000 for the completion of waterworks power development at Kenera, Ont., has been passed.

The Public Works Department are considering the construction of a wharf at Sand Point. Ont., on the Ottawa River.

The Sanitary Can Co., Niagara Falls, Ont., have been incorporated with a capital of \$100,000, to manufacture tin cans, etc. The provisional directors include C. S. Peaslee, R. Margetts and F. W. Griffiths, Niagara Falls. Ont.

The dredge Sir Wilfrid Laurier, which was sunk five years ago in 80 feet of water near Port Hope, Ont., has been raised and towed to Toronto, where it is being examined by the Polson Iron Works Co.

The Niagara District Telephone Co. have completed their telephone line to Beamsville, Ont., and are commencing the construction of a line to Silverdale, Ont.

The Regal Shirt Co., Hamilton, Ont., have been incorporated with a capital of \$200,000, to manufacture clothing, etc.
The provisional directors include R. B. McGregor, J. W. Lamoureaux and W. J. Carroll, Hamilton.

It is stated that the Canadian Pacific Railway Co. will construct another dock at Fort William, Ont., at a cost of about \$1,000,000, and will erect six freight sheds, an elevator and other accommodation.

The town of Listowel, Ont., are considering the installation of their own electric lighting plant.

The Smart-Turner Machine Co., Hamilton, Ont., have installed one of their pumps in the waterworks at Oshawa, Ont.

The Dominion Heating & Ventilating Co. Hespeler, Ont., have closed the contract for the heating and ventilating of the Parkin Elevator Works of Hespeler. They have also supplied a Toronto firm with one 160 inch double discharge steam fan, and 8,000 foot heater and also one 120 inch fan and 4,800 fóot heater.

Messrs. W. P. and H. G. Hess, of the Canadian Steel Specialty Co., recently organized, are in Gravenhurst, Ont., looking for site, etc., for establishing a factory in that town. If certain concessions are granted they will erect a plant to manufacture steel specialties, including electric light fixtures, in wood, in Flemish or other effects.

The Dominion Wrought Iron Wheel Co., manufacturers of lumber trucks, wrought iron wheels, etc., Orillia, Ont., are erecting a foundry with the intention of making their own castings. The foundry will be 50x40 feet brick building with a 40x20 foot extension for storage of foundry sand, coke and for separate room for tumbler. The railway siding has been extended to this end of the foundry so sand and coke can be shovelled direct to the storage shed.

The Hamilton Tool Co., manufacturers of milling cutters, rimmers and twist drills, Hamilton, Ont., have moved into the building formerly occupied by the Parkin Elevator Co., and have practically all their machinery installed. The officers of this company are: A. Hutton, president; H. L. Thompson, vice-pres.; and managing director; B. Broughton, sec.-treas.; H. Barnard and T. Rasberry, directors.

The Tudhope Carriage Co., manufacturers of light vehicles, Orillia, Ont., are considering the erection of addition to their plant, as more room is desired for their wood-working department.

Mr. T. T. Simpson, C.E., Ottawa, is to build a hydro-electric power plant for the Corby Distillery Co., Corbyville, Ont.

The new plant of the Standard Chain Co., of Canada, Limited, now being erected at Sarnia, Ont., is progressing very rapidly. The dock has been entirely completed and the main building will shortly be under roof. The blast system is being furnished by Sheldons, Limited, of Galt, Ont. It is anticipated that the plant will be in operation the latter part of October.

The Ahern Safe Co., Montreal, have been incorporated with a capital of \$75,000 to manufacture safes, vaults, locks, keys, fire escapes, iron fence and railings, etc. The charter members include R. N. Ahern, A. D. Ahern, and W. J. Ahern, Montreal.

The Waters Printing & Publishing Co., Montreal, have been incorporated with a capital of \$49,000 to carry on a printing and publishing business. The charter members include R. E. J. Lane, C. R. Westgate and L. E. Waters. Montreal.

The Joliette Light, Heat & Power Co., Joliette, Que., have been incorporated with a capital of \$199,000, to manufacture machinery, pipes, barrels, gas, oil, etc. The charter members include J. A. Guibault, L. P. Deslongchamps, Joliette, and W. Damphouse, Grand Mere, Que.

The Department of Public Works, Ottawa, invite tenders up to November 4 for the building of ice piers at Laprairie, Que.

The Department of Public Works, Ottawa invite tenders up to November 4, for the building of a head-block to the wharf at St. Simeon, Que.

The A. Roy Macdonald Mica Co., 68 B. St. Urbain Street, Montreal, are building a 75x30 feet extension to the front of their factory. The addition will be faced with red sandstone and will be three stories high. The lower floor will be fitted up for offices.

The Beaver Oil Co., Montreal, have removed their offices from Craig Street to the factory at Outremont.

J. W. Hughes & Son, Montreal, are installing steam heating systems in the new wing of the Standard Shirt Co,'s factory Main Street and in the new warehouse of the Massey Harris Co. in Westmount.

The Bible House property located on the southeast corner of St. Catherine and Avlmer Streets, Montreal, has been bought by Mr. Walter McMahon, real estate agent, for a client. The purchase price was \$75,000, or about \$12.50 per foot.

G. W. Dawson, Montreal, manufacturers of stencils, steel stamps, dies, letters and will have their plant equipped with sprinkler

punches, and brass labels, plates, checks and stamps, burning brands, etc., have moved from 25 St. Antoine Street to 21 Bleury Street. They will also manufacture rubber starage in the new premises.

The Mount Royal Foundry Co., Limited, 110 Ann Street, Montreal, are preparing plans for extensions and improvements to cost about \$30,000, which will be undertaken next spring.

A. Jennings & Co., wagon manufacture Montreal, have installed a 25 h.p. Campbell producer gas plant. They have also installed an electric light plant, with are lights in the blacksmith shop and incandescent lamps throughout the rest of the factory. The electrical work was done by Fred Thomson & Co., Montreal.

The Monarch Electric Co., Montreal, have been incorporated with a capital of \$20,000 to manufacture electrical machinery, tools, apparatus, etc. The charter members include J. W. Schlieffers, H. S. Poole and L. Gosselin, Montreal.

The new factory being erected at Hull, Que., by J. W. Woods is nearing completion. It will cost \$100,000.

The Standard Automatic Fire Sprinkler Co., Limited, 177-181 Common Street, Montreal, have installed a sprinkler system for Ganong Bros., Limited, St. Stephen, N.B.

The city council, Hull, Que., have granted a ten-year exemption to the Canadian Industrial & Development Co., a new industry which will locate there. In consideration for the ten years' exemption the new industry binds itself to expend \$60,000 in erecting a

Signal stations have been established at the following points on the St. Lawrence River: Montreal, Longue Pointe, Vercheres, Sorel, Three Rivers, Batiscan, Cap a la Roche, Portneuf, St. Nicholas, Cap Rouge, and Quebec, Que. The stations at Montreal. Three Rivers, Cap a la Roche, St. Nicholas and Quebec, will be operated by day and night, but the remainder by day only.

The American Silk Want Mfg. Co., Montreal, have been incorporated with a capital of \$49,000 to manufacture clothing, etc. The charter members include J. Carr, L. Shlakman, and M. B. Eliasoph, Montreal.

The Montreal World Publishing Co.. Montreal, have been incorporated with a capital of \$150,000, to carry on a printing and publishing business. The charter members include F. Wright, J. C. Huot, and J. A. T. Richards, Montreal.

A pleasant suite of offices are being fitted up in the new plant of A. R. Whittall, 734 and 736 Mullin Street, Montreal. New machinery is also being installed and the plant will shortly be fully equipped for the manufacture of all kinds of round and square cans for meat, fruit, and spices, also paint and varnish cans and black sheet iron goods.

The Canada Car Co., Limited, Montreal, are building an 80 foot addition to the passenger erecting shops.

The Canadian Northern Railway Co. and the Grand Trunk Pacific Railway Co. have each placed an order for 200 Hart convertible cars with the Canada Car Co., Limited, for next year's delivery.

The St. Croix Soap Co., St. Stephen, N.B.,

system by the Standard Automatic Fire Sprinkler Co., Limited, Montreal.

H. & L. Sancartier have bought the boiler works of I. Godin, 1058 Notre Dame St. West, Montreal. They will fit up a new boiler shop complete with up-to-date equipment for building stationary boilers.

W. L. Miller & Co., Montreal, have recently installed a machine shop to do repairs in connection with their business in second-hand machinery. They have also installed a boiler testing plant. In addition to second-hand machinery, the firm are now carrying in stock a line of new wood working machinery. The offices have been removed from St. Peter St. to 34-44 St. George St.

Joseph Decarie & Fils, Montreal, have installed a new Columbia sand lime brick press built by the Morris Engineering Co., Philadelphia, Pa.

The Canadian Glass Mfg. Co., Point St. Charles, Montreal, have completed rebuilding their plant which was destroyed by fire last January. The new plant is practically fireproof, and cost about \$50,000.

. The British American Dyeing Co., have almost completed a large addition to their dyeing and cleaning plant at Verdun, Montreal. The new building is 100x50 feet, three stories. It is of fire proof construction, with reinforced concrete floors. The staircases are in an enclosed tower, which also supports a 30,000 gallon water tank. The new building will be fitted with electric driven machinery, and will have every modern improvement in equipment. The plant of this firm now includes, besides the new building mentioned above, the old building, three stories, 155x55 feet, boiler house, 3 stories, 40x30 feet, French cleaning building, detached, 2 stories 50x25 feet, storage and shipping department, 2 stories 75x30 feet. Founded in 1861 by Mr. Joseph Allen, the business of the British American Dyeing Co. has shown a steady growth. In 1886 Mr. J. D. Allen, eldest son of the founder, made a remarkable record in England by winning the first prize on the theory and practice of technical chemical dyeing at the Leeds University, the first medal, awarded by the city and Guilds of London Institute on the technology of dyeing in theory, practice and chemistry, and also the £5 gold piece awarded by the Dyers and Colorers' Association of Great Britain. The same series of prizes was won in 1894 by Mr. W. R. Allen, and in 1896 by Mr. G. Y. Allen, who are still associated with their father in the business. In each case, the above mentioned prizes were won against between 200 and 300 competitors.

Peiler & Co., 17 St. John St., Montreal, have secured the agency for feed water regulators, controlling valves and pump governors manufactured by the Berry Engineering Co., Chester, Pa.

Turner Brothers, Canada, Limited, recently incorporated, have secured premises at 18 St. Peter St., Montreal. They will handle the products of Turner Brothers, Limited, Rochdale, England, including packings, belting, fire hose, and asbestos goods of all kinds.

The Mount Royal Spinning Co., Limited, Montreal, expect to have the buildings of their new plant at Cote St. Paul completed in December, and all machinery installed early next year. The main building will be 360x134 feet and there will be a storehouse 238x80 feet. This mill will be devoted to gray cottons, at first, but it is likely a bleachery will be erected later to bleach a part of the products. The offices of the company are in the Coristine Building, Montreal.

The two 150 h.p. Corliss engines in the Gazette Building, Montreal, have been purchased by W. L. Miller & Co.

Ulysses Chopin, Montreal, is consulting engineer for the new waterworks system of St. Genevieve, Que.

The Standard Shirt Co., Limited, Montreal, have opened a new pant factory at 4 Lemoine St. Mr. Charles Kugelman is manager.

J. Christin & Co., Montreal, will erect an addition to their bottling plant.

The Department of Public Works, Ottawa, invite tenders up to October 26, for the construction of an extension to the breakwater at Great Salmon River, St. John County, N.B.

The Dominion Iron & Steel Co., Sydney, N.S., are negotiating for the purchase of the iron properties of the New Brunswick Iron Co., at Lepreau, N.B.

A large part of the village of St. Martins, N.B., including the planing mill of T. A. Vaughan, was destroyed by fire October 4. Loss about \$55,000.

The Intercolonial Paper Co., who recently purchased the lumber property of Ernest Hutchinson, of Douglastown, N.B., for \$250,000, are negotiating for the Alexander Gibson Lumber and Milling interest at Marysville, N.B. The offer is said to be over \$2,000,000.

The Purity Chemical Co., St. John, N.B., have been incorporated with a capital of \$25,000, to manufacture chemicals, etc. The provisional directors include H. N. Coates, D. J. Purdy, and T. A. Linton, St. John, N.B.

The four steamship berths at Sand Point, St. John, N.B., where the Canadian Pacific Railway and Allan Line steamers are berthed during the winter, are to be dredged to a depth of 30 feet.

A telephone line is being constructed between Sackville and Cape Tormentine, N.B.

The Department of Public Works, Ottawa, invite tenders up to October 25 for the construction of a breakwater at Portuguese Cove, N.S.

The Cape Breton jail, which is now being erected, is the first building to be built of reinforced concrete in Nova Scotia.

The contract for the construction of the power-house of the Sydney and Glace Bay Railway Co. has been awarded to Rhodes, Curry & Co., of Amherst, N.S. The cost of the plant and machinery is estimated at \$25,000.

The Londonderry Iron & Mining Co., Londonderry, N.S., who recently acquired the iron deposits at Torbrook are preparing to install an electric system for operating their mines. The power will be drawn from the Nictaux Falls, about a mile from their property. The mills, which were formerly operated at the Falls, have been abandoned, to make way for the utilization of the water

power for electrical purposes. The estimated cost of this plant is about \$50,000.

The bridge for the Halifax & South Western Railway, over the Mersey River, N.S., has been completed.

A branch of the Bank of New Brunswick has been opened at Halifax, N.S.

The Dominion Government are erecting a lighthouse at Sable Island, N.S.

J. H. Longmire & Sons, Bridgetown, N.S., are having built at Shelburne, N.S., a 70-foot schooner to be used between Bridgetown and St. John, N.B. The boat is to be supplied with gasoline engines driving twin screws for use in calm weather.

The keel of what is said to be the first steel vessel to be built in the Maritime Provinces has been laid in New Glasgow, N.S., for Carmichael & Co., of that place. The dimensions will be: length, 146 feet, breadth, 34 feet, depth 14 feet, and about 400 tons gross.

Tenders will be shortly called for a new ice-breaker to work between Prince Edward Island and the mainland. The cost will be about \$450,000.

The new lighthouse at Cape Race, Nfld., has the largest lantern yet constructed for lighthouse work. The diameter of the lantern is 17 feet 1½ inches; the focal length of the lenses, which project a beam of light having an intensity of 1,100,000 candle power, is about 50 inches. The burner, which is of 2,400 candle power, is of the petroleum vapor type, and is used in conjunction with an 85 m/m incandescent mantle. The whole is supported by a tower of reinforced concrete, the total height being about 100′ feet. Intermittent flashes will be given at the rate of eight per minute from west to east.

The grain elevator of Messrs. McCaskel Bros., Ladysmith, Man., was destroyed by fire recently. Loss about \$1,400.

The new premises being erected for the Bank of Hamilton at Stonewall, Man., have been completed.

The six story building of the Winnipeg Paint & Glass Co., Winnipeg, Man., was destroyed by fire October 9. Loss about \$200,000.

The Lake of the Woods elevator at Arrow River, Miniota, Man., was destroyed by fire October 8.

The factory of the London Fence Co. Portage La Prairie, Man., which was destroyed by fire recently, will be rebuilt.

The elevator of the Ogilvie Milling Co., Melita, Man., has been enlarged.

The Northern Elevator Co. are erecting an elevator at Foxwarren, Man.

The Ruthenian Publishing Co., Winnipeg, Man., have been incorporated with a capital of \$10,000, to carry on a printing and publishing business. The provisional directors include N. Hladki, J. Qubaczek and J. Megas, Winnipeg, Man.

John Bradley, Brandon, Man., has secured the contract for building the Regina-Bulyea line of the Canadian Pacific Railway. The length of the new line is 45 miles, and will cost about \$300,000.

property. The mills, which were formerly described by the make way for the utilization of the water erection of a wooden Howe truss bridge

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WINNIPEG population in 1885, 19,574; in 1902, 48,411; in 1904, 67,263; in 1907, 111,717.

WINNIPEG total assessable property, 1904, \$48,214,950.

WINNIPEG total assessable property, 1907, \$106,188,883. WINNIPEG has rate of taxation, 1907, 16 mills.

WINNIPEG is the home of 1,600 commercial travellers.

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# Northern Electric & Manufacturing Co.

Cor. Guy & Notre Dame Sts., MONTREAL 181 Bannatyne Ave., WINNIPEG

across the Winnipeg River in connection with the power development, for \$44,127.

Winnipeg, Man., have decided to invite tenders up to November 15 for 10 to 15 miles of water pipe to be delivered in the opening of navigation in 1908.

The McCabe Elevator Co., Minneapolis, Minn., have secured a site in Brandon, Man., on which to erect a new elevator.

The Fairchild Co., Winnipeg, Man., will sell all interests to the John Deere Plow Co., moline, Ill., under a Dominion charter with a capitalization of \$1,000,000. The company will be known as the John Deere Plow Co. of Canada.

The Northern Elevator Co. have erected an elevator at Bienfait, Man., having a capacity of 30,000 bushels.

The Farmer's elevator being erected at Almeda, Sask, has been completed.

The new building of the Hudson Bay Co., MacLeod, Alta., has been completed.

The roundhouse and yards of the Canadian Pacific Railway Co. at Wetaskiwin, Alta. are being enlarged and improved.

The new branch of the Royal Bank at Regina, Sask., will be opened shortly.

The Canadian Bank of Commerce are crecting an addition to their premises in Edmonton, Alta., at a cost of about \$8,000.

The new Bank of Commerce building, being erected at Kamsack, Sask., at a cost of about \$10,000, is almost completed.

The North Saskatchewan Elevator Co. are erecting an elevator at Benito, Sask.

The Northern Elevator Co. are erecting a 30,000 bushel elevator at Tyvan, Sask,

Tenders will shortly be called for laying mains in connection with the \$100,000 gas producing plant to be built at Strathcona. Alta., by the International Gas Heating & Lighting Co., of Cleveland, Ohio.

The Meere Milling Co., Qu'Appelle, Sask. have completed the wiring of buildings and streets and it is expected that the electric light plant will be in operation shortly,

A by-law has been passed at South Battleford, Sask., voting \$10,000 towards the erection of an elevato, and flour mill at that place. Stock to the amount of \$20,000, has been subscribed locally. The elevator is to be built at once and the flour mill is to be erected ready for operation by February, 1908.

Mr. J. W. Smith, C.E., of the firm of Galt & Smith, Toronto, and Mr. Fred. F. Lea, C.E., of Montreal, have been appointed to investigate and report on the proposed trunk sewer, and the sewage disposal development for Regina, Sask. They will also report on a further water supply.

R. E. Speekman, Galgary, Alta., will receive tenders up to November 1 for the construction of twelve miles of street railway track and overhead trolley work in that city; for building a steel bridge with concrete abutments, over the Elbow River and for six semi-convertible cars with electrical equipment, etc.

a new depot at Wetaskiwin, Alta.

The town of Humboldt, Sask., will spend \$7,000 in providing adequate fire protection.

in Edmonton, Alta., is almost completed, the machinery being installed.

The new municipal power plant of Saskatoon, Sask., was put in commission recently.

The new building for the Imperial Bank, Edmonton, Alta., will cost about \$90,000. It will be completed shortly.

A new post office 50x25 feet is being erected at Carlyle, Sask.

The Canadian Bank of Commerce have opened a branch at Nokomis, Sask.

A new branch of the Royal Bank of Canada has been opened at Regina, Sask., making the tenth bank in that city.

The Pacific Coast Co. have been organized in Calgary, Alta.

The Conger Lumber Co. are erecting a fifth elevator at Conger, Sask.

A steel bridge will be erected across the Fraser River connecting New Westminster with Lulu Island, B.C.

The city council, Vernon, B.C., have installed an additional pumping plant. The machinery was furnished and erected by the Vancouver branch of the Canadian Fairbanks Co.

The Pacific Coal Co., Banff, Alta., will erect 240 coke ovens at the colliery at Hosmer, B.C.

The Port Haney Lumber Co., Port Haney-B.C., are installing three new shingle ma, chines to replace those destroyed in their recent fire.

The Eastern Townships Bank have opened a branch in Fernie, B:C.

The British Columbia Electric Railway Co. are preparing to supply the power necessary to operate the cars on the Chilliwack-New Westminster lines of the railway. The additional plant will practically be capable of developing almost double the amount of horse-power that the present plant at Lake Buntsen, B.C., is developing.

The Canadian Bank of Commerce are erecting a stone and marble building at Prince Rupert, B.C., at a cost of about \$500,000.

The directors of the British Columbia Electric Railway Co., Vancouver, B.C., have voted to spend \$1,000,000 during 1908 in improving and extending the system.

The Royal Bank of Canada have opened a branch at Kelowna, B.C.

M. McWhinney, shingle manufacturer, Eburne, B.C., whose dry kiln was destroyed by fire recently, is making preparation to erect a new building.

A 100 horse-power boiler and an 80 horsepower engine have been purchased from the A. R. Williams Machinery Co. for the mill of Murray & McAdams at Langley Prairie,

The North American Timber Co., Minneapolis, Minn., have purchased a site on the west coast of Vancouver Island, B.C., on which they will erect a mill with a daily capacity of 100 feet.

The Columbia River Lumber Co., Golden, The Canadian Bacific Railway will erect! B.C., are duplicating their present power plant. The new outfit consists of a 75 kw. 3 phase 60 cycle 2,300 volt menerator, 4 kw. exciter and two panel white Italian marble switchboard, all of Allis-Chalmers-Bullock The new exchange building for the automanufacture; also a 14 inch x 14 inch Robbmatic telephone system now being installed Armstrong horizontal engine.

A branch of the Royal Bank of Canada has been opened at Kilona, B.C.

It is stated that Mr. Geo. Brown, San Francisco, will erect a saw mill at Prince Rupert,

Within the boundaries of the principal cities of the three western provinces, Alberta, Saskatchewan and Manitoba, and in Western Ontario, there are 245 elevators with a total capacity of 33,462,000 bushels.

### **Enormous Industrial Venture**

The result of two year's negotiations between the Assessment Commissioner of Toronto and the McKenzie-Mann interests has been a direct proposal over the signature of Mr. D. D. Mann regarding the establishment of a fourteen hundred ton smelter to be established on Ashbridge's Marsh, Toronto, in return for three hundred and fifty acres for a site. It is proposed to establish an enormous iron and steel plant to utilize the enormous ore bodies in the Moose Mountain which will be tapped by the Canadian Northern Railway by January. Mr. Joseph Thompson, Industrial Commissioner, of Toronto, informed CANADIAN MANUFACTURER that the establishment of this plant would mean the employment of 15,000 men and the utilization of what is now waste land at no cost to the city. The text of the proposition is contained in Mr. Mann's letter as follows:

"As you are aware, Moose Mountain, Limited, are developing important iron mines in the Township of Hutton, the northern terminal of the present Canadian Northern Ontario Railway. Development has so far proceeded that the mines will soon be on a shipping basis. Work on the railway is expected to be completed to the mines by the end of January next.

"It is the intention of Moose Mountain, Limited, to erect a smelting plant for the treatment of ore at some point in the province of Ontario. After mature investigation it is considered that Ashbridge's Bay, in the city of Toronto, would be a suitable location for this plant.

"I am authorized by the shareholders of Moose Mountain, in which my firm are also shareholders, to enter into negotiations with the city for sufficient land at Ashbridge's Bay for the purpose of a smelting plant, with a capacity of treating 1,400 tons of ore daily.

"It is the intention of the company to establish from time to time industries that will manufacture pig iron into various products of iron and steel. The company intend to build their own tracks to serve the works, and think it desirable that there should be a transfer track, which all roads can use in common.

"Ultimately it is expected that a force of fifteen thousand men will be employed in the works, and the company ask the city to deed them three hundred and fifty acres when a smelter of the above capacity is in running order, and would ask that a tract of land be set aside to be deeded to the company when the other industries to which I have referred shall be built and in running order. Such a provision is necessary in order that the company may have sufficient land for the purposes of expansion.

"I may say that the erection of works of this kind would very considerably increase the value of adjoining property. The com-

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Centrifugal Pumping **Machinery** and Steam Engines

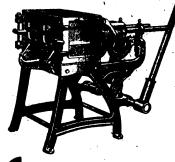
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The Ideal Concrete Rlook Machine has more than price to recommend it to the careful buyer. It is not only a practical and powerful machine producing the very highest grade of concrete blocks, but in speed, in quantity of output—in the profits earned at the end of every day—it absolutely excels. Moderate in cost, it enables the establishment of a profitable manufacturing industry with small capital. Equally suitable for the largest plant.

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The only concrete machine working on the Down-face principle, and protected by a basic patent. The only machine permitting practical use of rich facing material and coarser material for back of block.

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pany would require a shipping dock on their premises, and a slip from the waterfront to the lock. The whole of the remainder of the harbor front of the bay, which, I understand, it is intended to improve and make suitable for shipping, would be available for other purposes, and by reason of the erection of the steel plant would be an exceedingly valuable asset to the city."

It will be seen that no bonus is asked, and

It will be seen that no bonus is asked, and no and in filling in, without which, of course, the marsh would be useless. The company do not ask for any of the lake front, and only ask for a small portion of the proposed city's new eastern harbor front on the bay.

new sastern harbor front on the bay.

It is stated, that the aim of the company was to follow the erection of the smelter world with other works, such as steel plant, rolling mills, steel plate works, steel car building and kindred industries. As soon as the smelter works were in operation the company would have about 700 tons of slag per day to be used for filling in, but the filling for the smelter works site would have to be taken in by rail and water. No time will be lost in getting to work should the city decide to accept the offer. The entire lake front would still be available for the Simcoe Park project.

# Improvements in Industrial Hygiene.

The past decade has witnessed a most remarkable advance in the improvement of working conditions for the operatives in our manufacturing establishments. While the manufacturer has to a great extent voluntarily introduced such improvements, and has witnessed in their introduction an increase in the efficiency and longevity of his workers, the pressure of the law has in many cases been necessary to force him to meet the requirements. Under the direction of factory inspectors or officials of the State Board of Police much new legislation has been put into effect in many states. Precautions against accident have been taken, machines and elevators have been protected, and ventilating systems have been installed for keeping the air pure and removing objectionable fumes or dust.

Just now exhibitions are being held in various cities where appliances for safe-guarding the person and the health of employees are displayed. Important among the devices for improving atmospheric conditions in crowded, hot, dusty, illsmelling or badly ventilated work rooms is the fan blower.

A fan at four ounce speed will require eight times the power necessary to operate it at one ounce speed. In numerous instances existing installations have been remodeled, larger fans installad, new hoods introduced and such a marked saving made in the running expense as to pay for the new installation inside of a year.

Although the blower is very generally installed in connection with a heater as part of a mechanical system of ventilation and heating, local application as is usually necessary where the vitiation is excessive, in the metal working trades, for instance, the fan finds a broad field of application.

In the brass foundry hoods may be introduced over the brass furnaces, and ventilation secured with certainty by the introduction of an exhaust fan. This should properly be of the cased or enclosed centrifugal type, the disc or propeller type being only suitable for operating against slight resistances.

Rattling and tumbling barrels may be rendered innocuous by exhausting through hollow trunions or from housings, built over the tumblers. An exhaust system in connection with the sand blasting room will greatly improve the conditions under which the workman operates.

Probably the greatest need of exhaust ventilation in the metal industry exists in connection with buffing, grinding and polishing processes. The high speed of rotation of the wheel tends to throw the fine particles of dust or lint directly into the atmosphere which soon becomes surcharged therewith. Each wheel is usually enclosed in an individual hood rigidly supported and connecting through an exhaust pipe to a horizontal main laid just behind the grinders and thence to the fan. Each connection is provided with a blast gate.

The fan speed required for an exhausting system depends largely upon the material to be removed. When properly applied a vacuum of from one to one and a half ounces is sufficient with a proper system of hooding to handle all dust in installations such as are here presented. If, however, the wheels are not properly hooded or the system not properly laid out, even for a four ounce vacuum may hardly prove sufficient to give satisfactory results. Hence it behooves one to accept the advice of those experienced in this class of work. When it is known that the power of a fan increases as the cube of the speed it becomes evident that a slight saving in the cost of the initial installation may be quickly absorbed in the added expense to operate the fan at unnecessarily high pressure. A fan at four ounce speed will require eight times the power necessary to operate it at one ounce speed. In numerous instances and such a marked saving made in the running expense as to pay for the new installation inside of a year.

### **NEW WALKERVILLE FACTORY**

The McGregor Banwell Fence Co., manufacturers of ideal woven wire fence at Walkerville, Ont., whose factory was destroyed by fire on March 16 last and who have since been operating in a temporary factory, have almost completed the erection of their new building. This building is of reinforced concrete throughout, the floors being reinforced with Ideal fencing specially made for that purpose. The factory will have 24,000 square feet of floor space, the ground floor being used for the storage of wire and for the manufacture of woven wire fencing and the upper story for the manufacture of gates, lawn fencing and fence supplies. Every up-to-date-appliance for the manufacture of these goods will be installed and on completion it will be a model factory in this line. The company will also erect a fire-proof sterage building 200x100 feet. It is expected that the looms will be in operation November 15 and in the meantime the trade is being supplied from the surplus stock made up just before the temporary factory was taken down.

### ELEVATOR ENGINEERING.

The American Society of Mechanical Engineers will hold its next regular monthly meeting on Tuesday evening, November 12, at 8.15 o'clock, in the building of the Engineering Societies, 29 West 39th Street, New York.

The principal address will be made by Mr. Charles R. Pratt and will treat of features of construction and operation of the Gearless Traction Electric Elevator, which is being installed in the Singer and Metropolitan Life, New York's two highest buildings. The paper will be discussed by engineers and architects from New York, Philadelphia and Chicago. It is expected that the subject will be very exhaustively treated from the view of the architect and the engineer. The members of all professions are cordially invited to attend.

Mr. W. B. Dennon, 10,409 Elk avenue, Cleveland, O., is investigating the prospects for a hosiery manufacturing business in Canada. If conditions warrant the enterprise, Mr. Dennon, with his associates, will establish a hosiery knitting mill at some point in Ontario.

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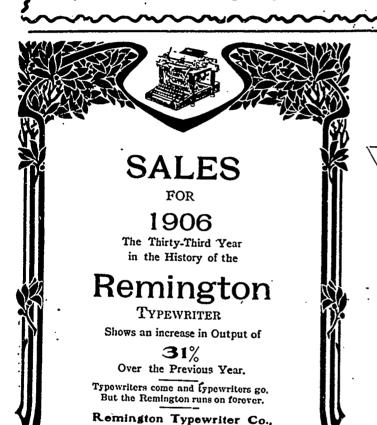
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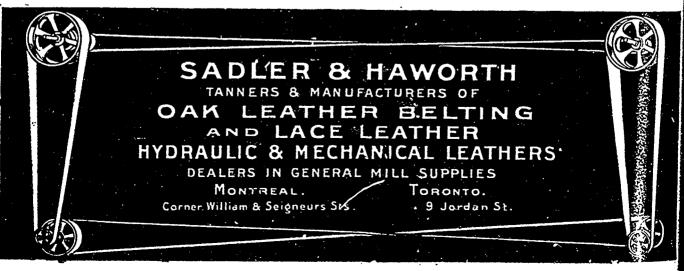
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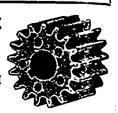
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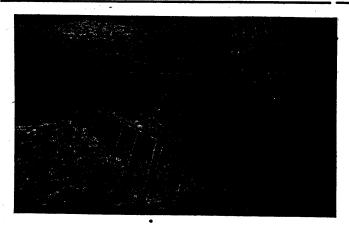
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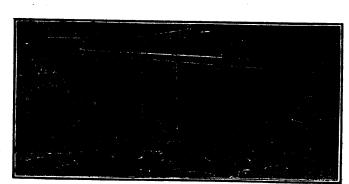
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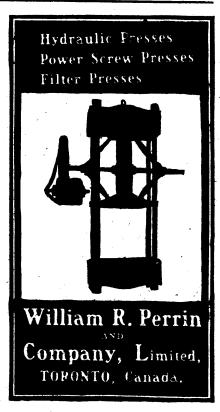
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# INDEX TO ADVERTISEMENTS.

ifc inside front c	over	ibcinside back cover	obc.	outsid&back cover.
<b>A</b> 1	PAGE		PAGE	PAGE
Abbott, Wm., Montreal	14	Canada Iron Furnace Co., Montreal	4	Electrical Inspection Rureau & Testing Labora-
Agriculture, Ontario Minister of, Toronto		Canadian Billings & Spencer, Limited	٠ 7	tory, montreal
Aitken, K. L., Toronto	14	Canadian Boomer & Boschert Press Co., Montreal	56	Elk Fire Brick Co., St. Mary's, Pa.
Albert Mfg. Co., Hillsborough, N.B.	8	Canadian Casualty & Boiler Insurance Co		Elliott Business College, Toronto 54
Algoma Steel Co., Sault Ste Marie, Ont.		Toronto	14	1
Allis-Chalmers-Bullock, Limited, Montreal	iba	Canadian Copper Co., New York, N.Y	11	·
Ambursen Hydraulic Construction Co., Montreal.	-56	Canadian Fairbanks Co., Montreal	9	<b>.</b>
Armstrong Mfg. Co., Bridgeport, Conn	55	Canadian Manufacturer Pub. Co., Toronto	14	Factory Inspectors, Ontario 56
	55	Canadian Office & School Furniture Co., Pres-		Factory Locations
•		ton, Ont	54	Fell, L. C. & Co., Toronto
		Canadian Rand Co., Sherbrooke, Que	ife	Fensom, C. J., Toronto
В		Canadian Rand Co., (C. Druckleib, N.Y.)	54	Fetherstonhaugh & Co., Toronto obe
		Cassella Color Co., New York and Montreal		Forman, John, Montreal12-53
Babcock & Wilcox, Limited, Montreal	56	Chapman Double Ball Bearing Co., Toronto	•	Fyfe Scale Co., Montreal
Bank of Hamilton, Hamilton, Ont	49	Continental Iron Works, New York, N.Y	2	Tyre Boare Co., Montreal
Baird, H. C., Son & Co., Parkhill, Ont		Crane, Thos. S., New York	54	
Barber, Wm. & Bro., Georgetown, Ont	54	Crocker-Wheeler Co., St. Catharines, Ont	18	G
Barrett Mfg. Co		The state of the s	10	
Bechtels, Limited, Waterloo, Ont			Λ.	Gartshore, J. J., Toronto 55
Bell Telephone Co., Montreal	11	מ		Gartshore-Thomson Pine & Foundry Co. Ham-
Benson, W. T. & Co., Montreal	53	•		
Berg, A. & Sons, Toronto		Darling Bros., Montreal	55	Globe Machine & Stamping Co., Cleveland, Ohio. 56
Bertram, John & Sons Co., Dundas, Ont	ofe	Dixon, Joseph, Crucible Co., Jersey City, N.J	55	Goldie & McCulloch Co., Galt, Ont
Boiler Inspection and Insurance Co., Toronto	obc	Dominion Belting Co., Hamilton, Ont	55	Goldschmidt Thermit Co., Montreal 54
Bourne-Fuller Co., Cleveland, Ohio	4	Dominion Heating & Ventilating Co., Hespeler,	00	Gosselin, Louis, Montreal 54
Bradstreets, Toronto and New York	55	Ont	3	Greening, B., Wire Co., Hamilton, Ont 49
Brandeis, C., Montreal	- 14	Dominion Oil Cloth Co., Montreal	55	Greey, Wm. & J. G., Toronto
Brantford Roofing Co., Brantford, Ont	8	Dominion Sewer Pipe Co., Swanses, Ont	~	Gusta Percha & Rubber Mfg. Co., Toronto 51
Bristol Co., Waterbury, Conn	obc	Dowie, Eben, Montreal	10	
Brunner, Mond & Co., Northwich, England		Drummond, McCall & Co., Montreal	10	•
Sudden, Hanbury A., Montreal	14	Dun, R G. & Co., Toronto.	15	H
Butterfield & Co., Rock Island, Que	6	Dunbar Fire Brick Co., Pittsburg, Pa	15	Hall, J. B. & Sons, Toronto
	- !	Duplex Metals Co., Hamilton, Ont	54	Hamilton Facing Mills Co., Hamilton, Ont obe
•		Dynamic Machine Works, Limited, Montreal	47	II     II     II
C		- January Montage	*1	177
		. •	-	
airns, Bernard, Toronto	54	R		T
Canada Chemical Mfg. Co., London, Ont	53	· <del>-</del>		TT
anada Forge Co., Welland, Ont	5	Eccles & Rae Machine Co., Toronto	54	** 1 1 A M AM A
Canada Foundry Co., Toronto	12	Electrical Construction Co., London, Ont		Hunt Pohert W. & Co. Chicago W.
	J		10	Hunt, Robert W. & Co., Chicago, Ill 14





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## INDEX TO ADVERTISEMENTS (Continued).

PAG	Me Dones II Toba Caladania I	PAGE		/GI
Ideal Concrete Machinery Co., South Bend, Ind.	McDougall, John, Caledonian Iro Montreal	FM I	R	
Imperial Oil Co., Petrolea, Ont	McGuire, W. J. Limited. Toronto	and Montreal Reming	ton Typewriter Co., Toronto	52
International-Acheson-Graphite Co., Niagara	McKinnon Dash & Metal Works	Co., St. Cathe Robb I	ingineering Co., Amherst, N.S	
Falls, Ont	arines, Unt	obe	•	,
	McLaren, D. K., Limited, Montrea	and Toronto. 56		
<b>.</b>			8	
Toffein Win Co. Columbia Old		Sadler o	k Haworth, Montreal	59
Jeffrey Mfg. Co., Columbus, Ohio	N	Senator	Mill Mfg. Co., Galt, Ont.	14
Jones & Moore Electric Co., Toronto	7	Sheldon	s, Limited, Galt, Ont	ife
Jones, J. L. Engraving Co., Toronto	1	14 Smart-	Curner Machine Co., Hamilton, Ont.	obo
and the second s	Nichols Chemical Co., of Canada,	montreal 53 Smith's	Falls Malleable Castings Co. Smith's	
Kahn Customs Toronto	Northern Aluminum Co., Shaw Que., and Pittsburg, Pa	inigan Falls,   Fa	18, Unt 0	obo
Kahn, Gustave, Toronto	Northern Electric & Mfg. Co., Mor	1	R. & Co., Hamilton, Ont	54
77 TB 1 A 177 H AN A	Nove Sentie Steel & Coal Co. No.		d Bearings, Limited, Niagara Falls, Ont.	
Kerr Engine Co., Walkerville, Ont			Mfg. Co., Galt, Ont.	55
		Stowe 1	W. H., & Son, Acton, Ontuller Co., Cleveland, Ohio	14
<b>L</b>		Syracus	e Smelting Works, Montreal and New	51
Laurie Engine & Machine Co., Montreal i		1 10	K Wontrest and New	10
Legg Bros., Engraving Co., Toronto	Oakey, John & Sons, London, Eng	iand 53	*	
Leslie, A. C. & Co., Montreal	Oneida Community, Niagara Falls	N.Y 47		
London Rolling Mill Co., London, Ont 5	Ontario Lime Association, Toronto	54	T	
Lowell Crayon Co., Lowell, Mass 1	Ontario Wind Engine & Pump Co.	Toronto 54 Tippett	Arthur P., & Co., Montreal	
Lysaght, John, Limited, Bristol, Eng., and Montreal.	Orford Copper Co., New York, N.		& Hamilton Electric Co., Hamilton, Ont.	52
AUGUSTONI	Otis-Fensom Elevator Co., Toron	to 58 Toronto	Paper Mfg. Co., Cornwall, Ont.	12
	<u>'</u>	Toronto	Pottery Co., Toronto	24
<b>x</b>		Trussed	Concrete Steel Co., Toronto	10
Marion & Marion, Montreal 1	, <b>P</b>	Turner,	Vaughn & Taylor Co., Cuvahoga Fells	7.4
Metal Shingle & Siding Co., Preston, Ont	1	1 044	0	55
Mica Boiler & Covering Co., Montreal 5	Packard Electric Co., St. Catharine	s, Ont 18	· · · · · · · · · · · · · · · · · · ·	
Miller, W. L. & Co., Montreal 5	Park Bros., Chatham, Ont	54	n	
Mitchell, Charles H., C.E., Toronto 1	Parke, Roderick J., Toronto		<u> </u>	
Monongahela River Consolidated Coal & Coke	Pennsylvania Fire Brick Co., Beech Perrin, William R., & Co., Toronto	Creek, Pa 15 Union D	rawn Steel Co., Hamilton, Ont	6
Co., Buffalo, N.Y 1	III.	and Chicago,		
Morris Machine Works, Baldwinsville, N.Y 4	Phillips, Mugene F., Electrical Work	Montreal 12	V	
Morrison, James, Brass Mfg. Co., Toronto 1	Producer Gas Co., Toronto	16 Viau, He	nri, Montreal.	
Morrow, John; Screw, Limited, Ingersoil, Ont 1	Pullan, E., Toronto			14
		1	/ ****	
Mo	ľ		W	
McArthur, Corneille & Co., Montreal ob	Q	Weber (	as Engine Co., Kansas City, Mo il	be
McCullough-Dalsell Crucible Co., Pittsburg, Pa. 5	Queen City Oil Co. Toronto	A THE STORY	h A. R. Machinery Co., Toronto	
	, quant only on out, loronto	····· ODG   Winn &	Holland, Montreal	

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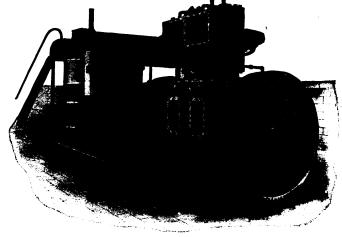
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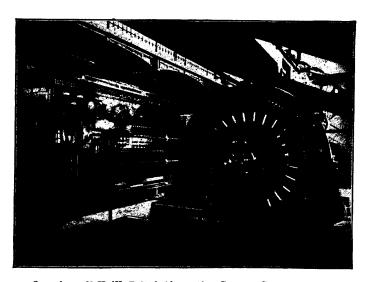
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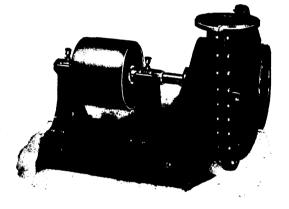
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