

THE CANADIAN
JOURNAL OF COMMERCE
 FINANCE AND INSURANCE REVIEW

Vol. 55. No. 24.
 NEW SERIES.

MONTREAL, FRIDAY, DECEMBER 12, 1902.

M. S. FOLEY,
 EDITOR AND PROPRIETOR

DECEMBER						
SUN	MON	TUE	WED	THU	FRI	SAT
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31

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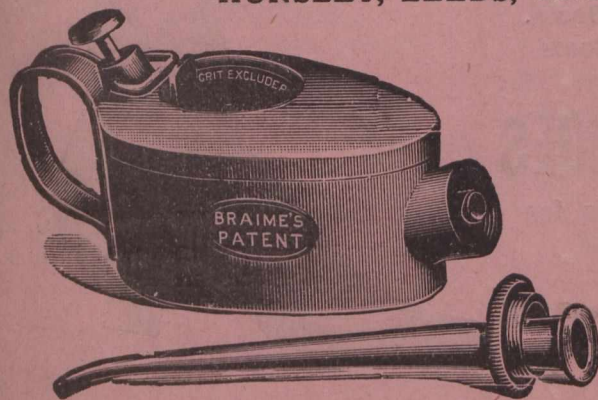
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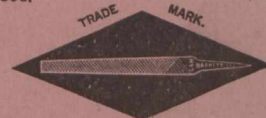


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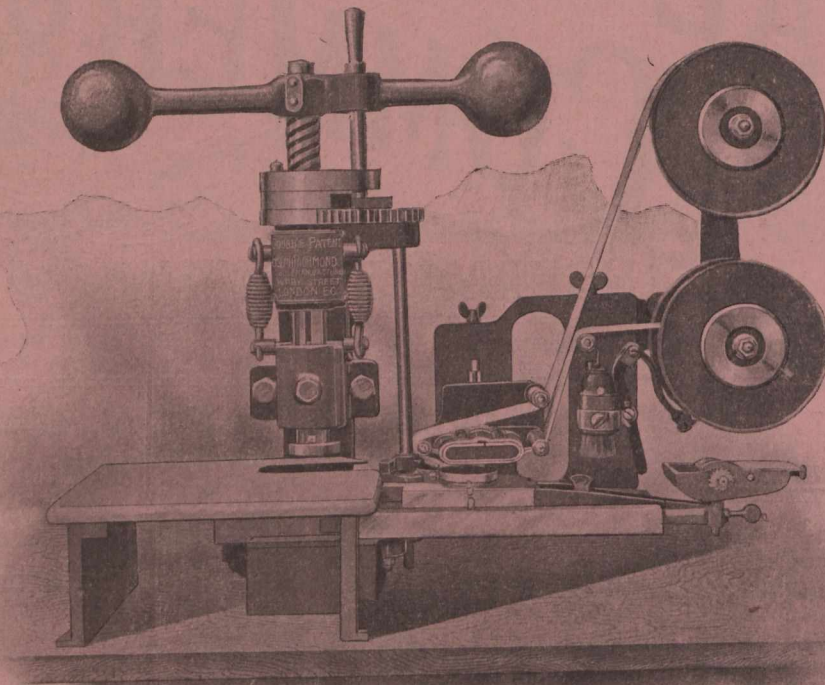
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THE CANADIAN
JOURNAL OF COMMERCE
FINANCE AND INSURANCE REVIEW.

Vol 55. No. 24.
NEW SERIES.

MONTREAL, FRIDAY, DECEMBER 12, 1902.

M. S. FOLEY,
EDITOR AND PROPRIETOR

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References kindly permitted. The Editor of this
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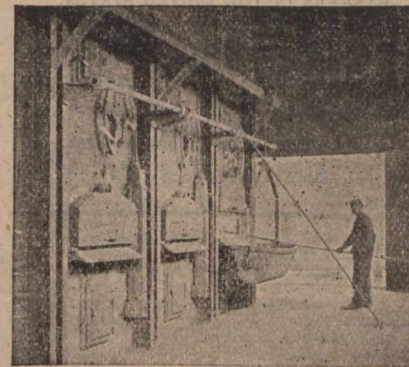
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(ESTABLISHED 1817.)

Incorporated by Act of Parliament.

Capital (all paid up) \$12,000,000.00
 Reserved Fund, - 8,000,000.00
 Undivided Profits, - 165,856.09

HEAD OFFICE: MONTREAL.

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 R. G. Reid, Esq.

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A. Macnider, Chief Inspector and Supt. of Branches.

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 " Seigneurs St. Branch.
 " Point St. Charles Branch.
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 " The London and Westminster Bank.
 " The National Provincial Bank of England.
 Liverpool—The Bank of Liverpool, Ltd.
 Scotland—The British Linen Company Bank, and Branches.

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 " National Bank of Commerce in N.Y.
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 " J. B. Moors & Co.
 Buffalo—The Marine Bank, Buffalo.
 San Francisco—The First National Bank.
 " The Anglo-Californian Bank.

Montreal, 30th April, 1902.

The Bank of Toronto.

DIVIDEND No. 93.

NOTICE is hereby given that a DIVIDEND OF FIVE PER CENT. and a BONUS OF ONE-HALF OF ONE PER CENT. for the current half-year, upon the Paid-up Capital of the Bank, has this day been declared, and that the same will be payable at the Bank and its branches on and after Monday, the First day of December.

THE TRANSFER BOOKS will be closed from the Seventeenth to the Twenty-ninth days of November, both days inclusive.

THE ANNUAL GENERAL MEETING OF SHAREHOLDERS will be held at the Banking House of the Institution, on Wednesday the Fourteenth day of January next. The chair to be taken at noon.

By order of the Board,

D. COULSON,

General Manager.

The Bank of Toronto, Toronto,
 29th of October, 1902.

The Chartered Banks.

THE BANK OF BRITISH NORTH AMERICA.

Established in 1836.

Incorporated by Royal Charter in 1840.

Paid up Capital, - - - - - £1,000,000 stg.
 Reserve Fund, - - - - - 865,000 stg.
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 A. G. Wallis, W. S. Goldby,
 Secretary, Manager.

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 Henry R. Farrer, Frederic Lubbock,
 Richard H. Glyn, George D. Whatman,
 M. G. C. Glyn.

Head Office in Canada, St. James Street, Montreal

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 J. ELMESLY, Inspector.

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 Brantford, Halifax, N.S., Greenwood,
 Hamilton, St. John, N.B., Victoria,
 Toronto, Fredericton, Vancouver,
 Kingston, Dawson City, Rossland,
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Scotland—National Bank of Scotland, Limited, and branches.

Ireland—Provincial Bank of Ireland, Limited, and branches; National Bank, Limited, and branches.

Australia—Union Bank of Australia.

New Zealand—Union Bank of Australia, India, China and Japan—Mercantile Bank of India, Limited.

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 Reserve Fund, - - - - - 2,250,000

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H. Lockwood W. W. L. Chipman, Asst. Inspectors

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The Chartered Banks.

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 Reserve Fund, - - - - - 1,700,000

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St. Stephen, N.B.

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 Capital Paid-up, - - - - - 418,000
 Reserve, - - - - - 150,000

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The Chartered Banks.

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Reserve Fund, - 2,000,000

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Blenheim Goderich St. Catharins Walkerton
Brantford Guelph Sarnia Walkerville
Cayuga Hamilton St. Ste. Marie Waterloo
Chatham London Seaforth Warton
Collingwood Orangeville Simcoe Windsor
Dresden Ottawa Stratford Woodstock

Quebec: Yukon Ter.:
Montreal Dawson, White Horse
Man. & N.W.T.: British Columbia:
Calgary Medicine Hat Atlin Nanaimo
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(Incorporated by Act of Parliament 1885).
Capital Paid Up, .. 1,500,000
Reserve Fund, .. 350,000

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Capital Paid-up, - 1,967,000
Reserve Fund, - 950,000

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E. A. BERTRAND, Inspector
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Head Office, Montreal.
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Sorel, P. Q., 1756 "
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Letters of Credit issued available in all parts of the World, Interest on deposits allowed in Savings Department.

The Chartered Banks.

BANK OF HAMILTON.

CAPITAL paid up.....\$2,000,000
RESERVE FUND.....1,600,000

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A. G. RAMSAY, Vice-President
John Proctor, Geo. Roach, Wm. Gibson,
Hon. A. T. Wood, A. E. Lee, (Toronto.)
J. TURNBULL, General Manager
H. S. STEVEN, Asst. General Manager.

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Berlin, Indian Hd. n.w.t. Man.
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Capital authorized \$4,000,000
Capital (paid up) \$2,868,932
Rest 2,438,695

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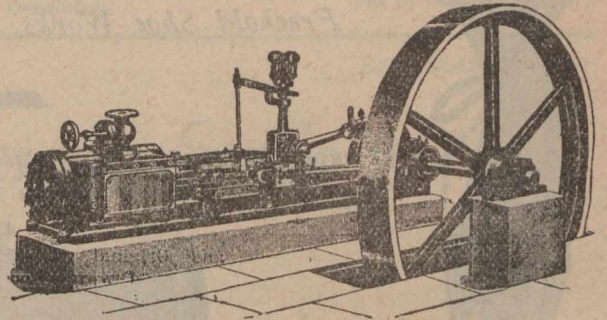
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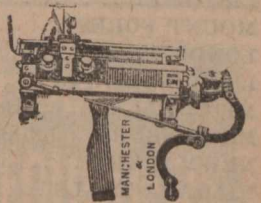
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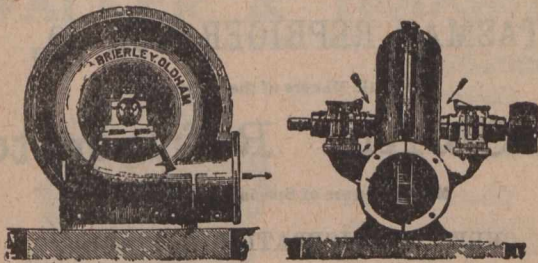
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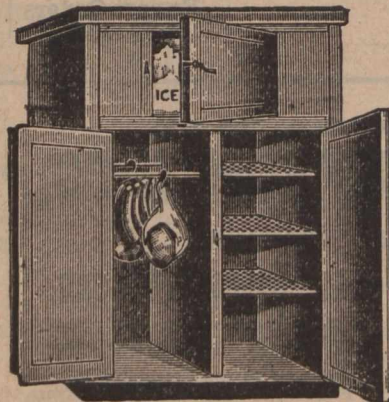
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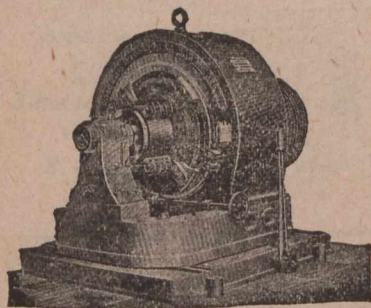
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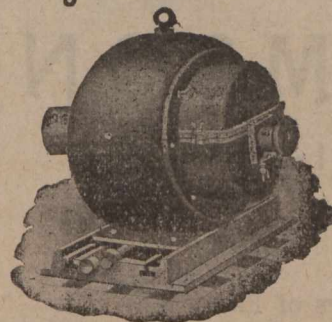
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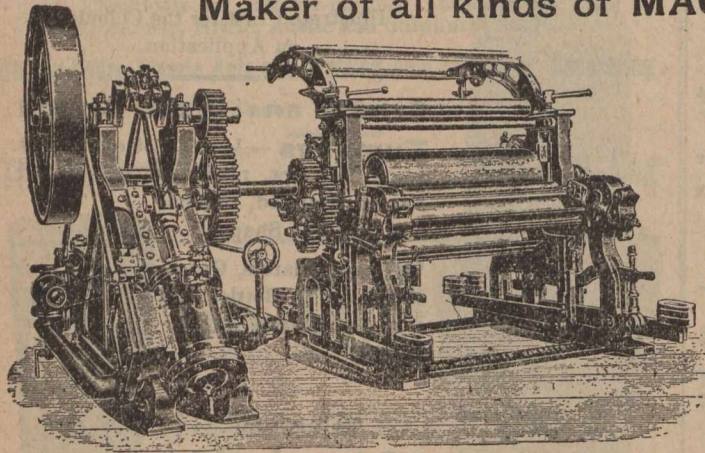
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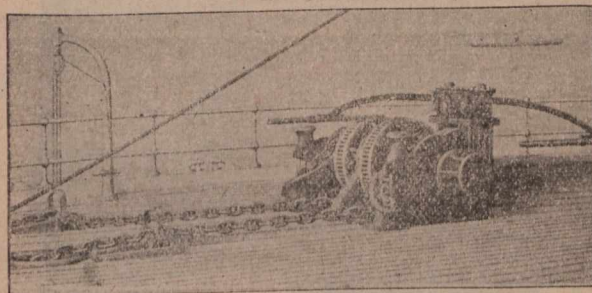
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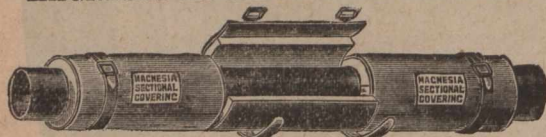
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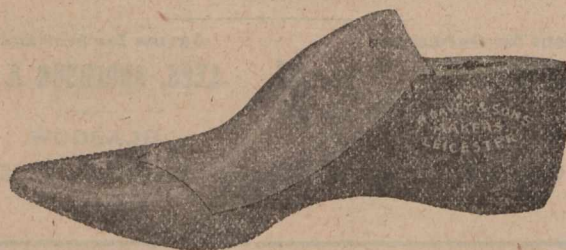
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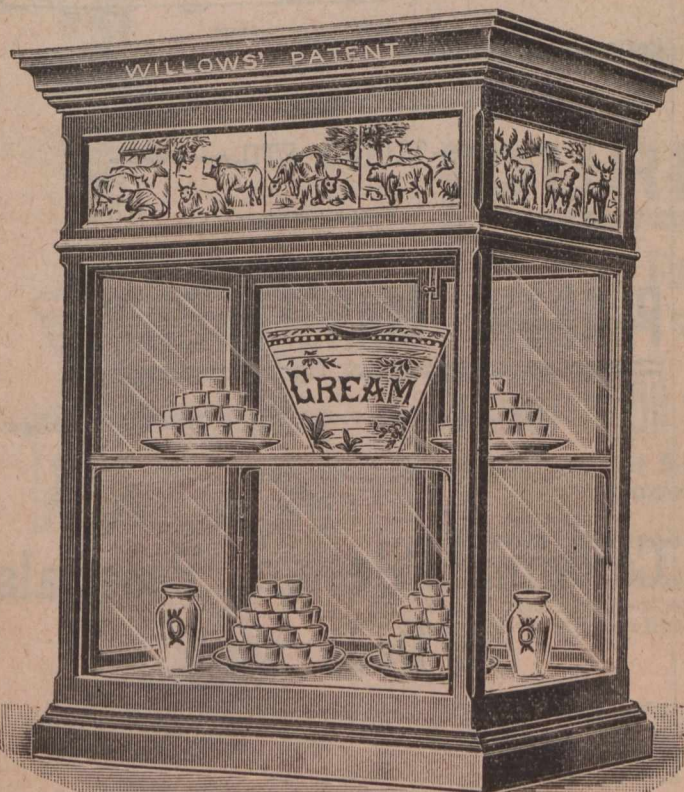
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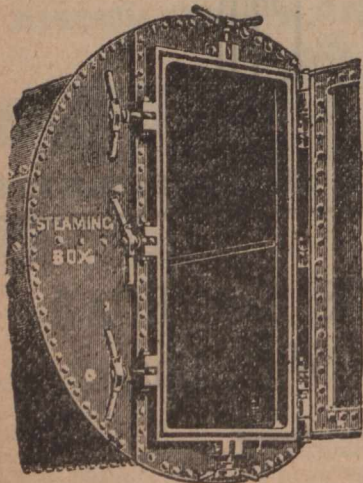
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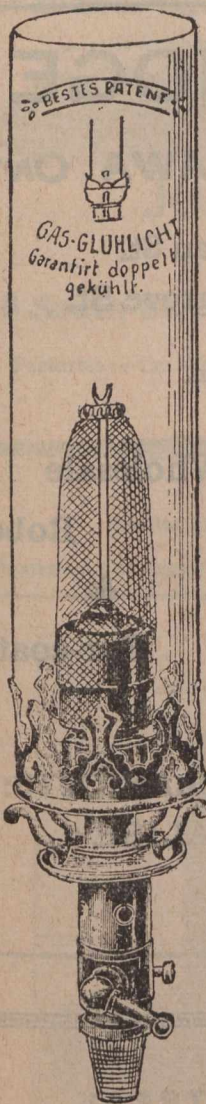
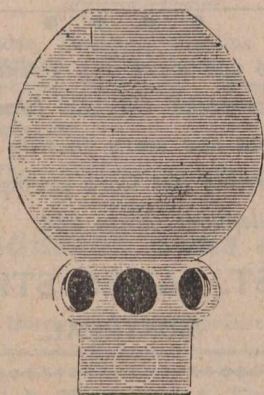
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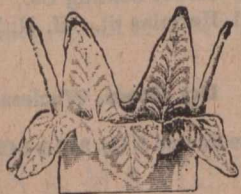
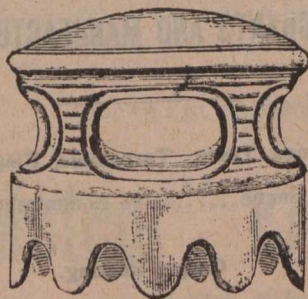
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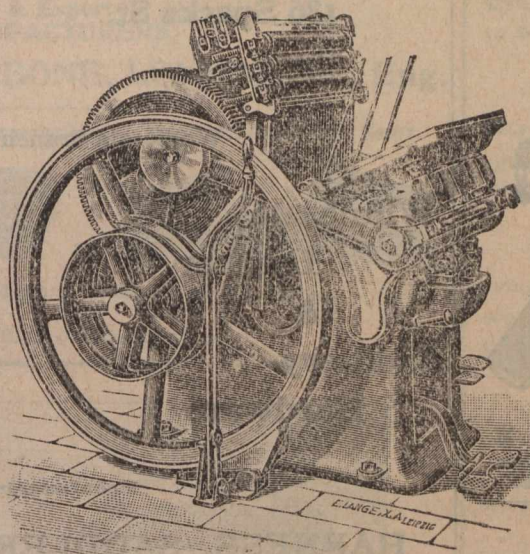
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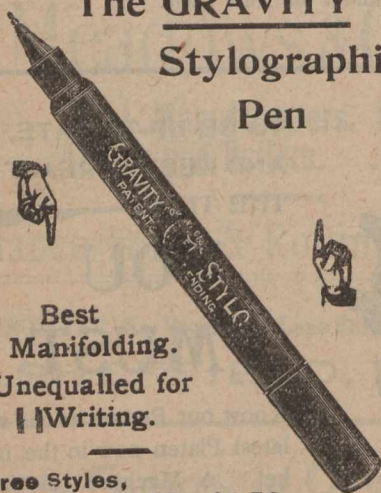
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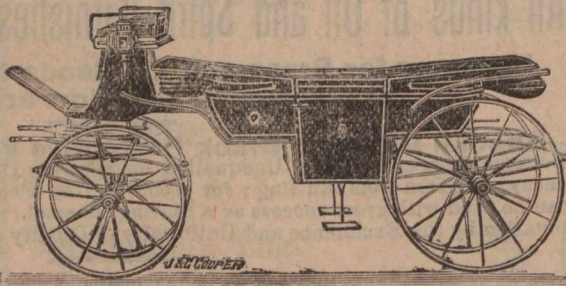
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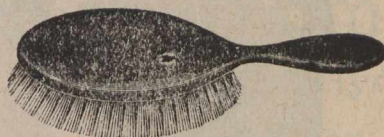
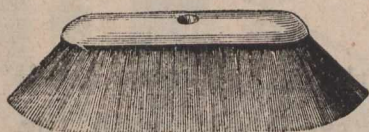
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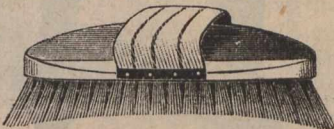


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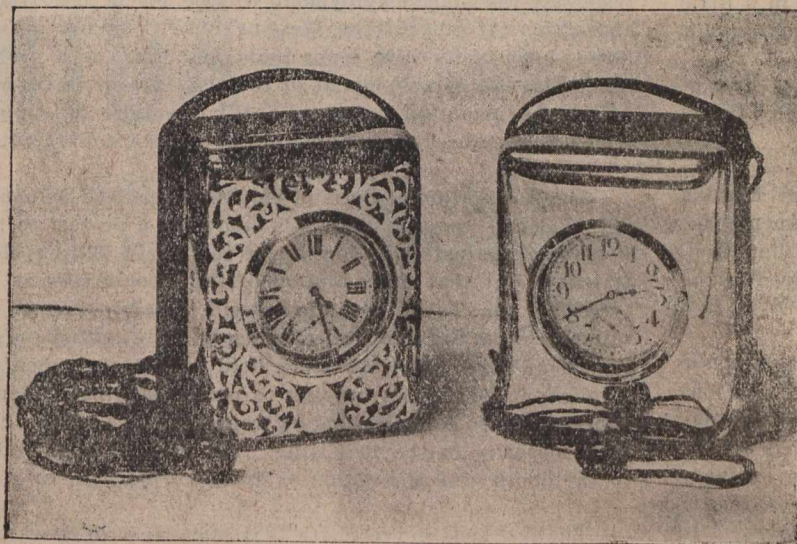
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Commercial Summary.

Merchants, Manufacturers and other business men should bear in mind that the “Journal of Commerce” will not accept advertisements through any agents not specially in its employ. Its circulation—extending to all parts of the Dominion—renders it the best advertising medium in Canada—equal to all others combined, while its rates do not include heavy commissions.

—The Dominion revenue for November totalled \$4,959,841, an increase of \$334,000. The expenditure amounted to \$4,701,033.

—A party of one hundred and seventy-five English, Scotch and Welsh agriculturists left Liverpool for Canada on the 4th instant.

—The Assouan dam, on the Nile, completed at a cost of nearly £25,000,000, has been formally opened by the Duke of Connaught.

—Washington, U. S., advices state that the House passed the pension appropriation bill, carrying \$139,000,000, without a word of debate.

—Illinois has ordered a quarantine England States and the Provinces of against cattle from the infected New Ontario and Quebec.

—The Brandon & Southwestern Railway will apply for power to extend its line toward Lake Winnipegosis and the Saskatchewan. The Red Deer Railway also seeks to extend to the Saskatchewan.

—The Canadian Pacific Railway has granted an increase of wages to conductors and trainmen east of Fort William, Ont., averaging 15 per cent., which will amount to about \$250,000 per annum.

—A London cable announces that the November statement of the Board of Trade shows a decrease of \$8,146,500 in imports, and an increase of \$9,074,000 in exports. Values of imports from Canada for November are as follows: Cattle £185,208; sheep, £6,408; bacon, £104,304; butter, £214,622; cheese, £646,347; eggs, £82,511; hams £19,314; horses £1,880.

THORNELOE & CLARKSON,

Wholesale
Manufacturing Clothiers,

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Our
Fancy
Boys
Suits



Are the Admiration of all
who see them, with the
Reduced Tariff from En-
gland to the Colonies,
these should sell well in
Canada.

—The U. S. trusts are likely to find the road in a little harder in future. A Washington letter of recent date reads

—At the Live Stock Show at Chicago recently, a firm of breeders of Claremont, Ont., won first prizes with Clydesdales in a number of classes.

—It is stated at Glasgow that a syndicate of English and Scotch ship-owners has completed arrangements for a new steamship service to New York and the Far East. Vessels of from 7,000 to 8,000 tons will be employed in the service.

—It has been decided to substitute a diaphone for the siren at Cape Race, Newfoundland, one of the stations maintained by the Government of Canada. The diaphone is the invention of Mr. Northey, of Toronto, and is considered the most powerful signal in existence. In ordinary thick weather it can be heard 25 miles and in a strong inshore wind four or five miles.

—The Government mail carriers will make another effort to get letters into the Peace River country this winter. The Post-office Department announces that it has arranged for two special trips during the present winter season for the conveyance of mails from Athabasca Landing as far as Fort Chipewican, on Lesser Slave Lake. The first mail will leave Athabasca Landing on the 3rd of January, 1903. Mails leave Edmonton for Athabasca Landing every Tuesday at 8 a.m., and arrive at the latter place on Thursdays at 4 p.m.

—The Westinghouse Electrical Company, of Pittsburg, have, it is reported, decided to open a factory at Ottawa for the purpose of cutting and otherwise preparing mica for use in the electrical business. The supply of mica will be procured from the Gatineau and Kingston dis-

trict. At the start employment will be given to 200 men and girls. At present the Westinghouse Company gets a large share of its mica from India, but there is a probability that the establishment of the new factory in Ottawa will focus attention on the Canadian source of supply, which is practically inexhaustible and more convenient.

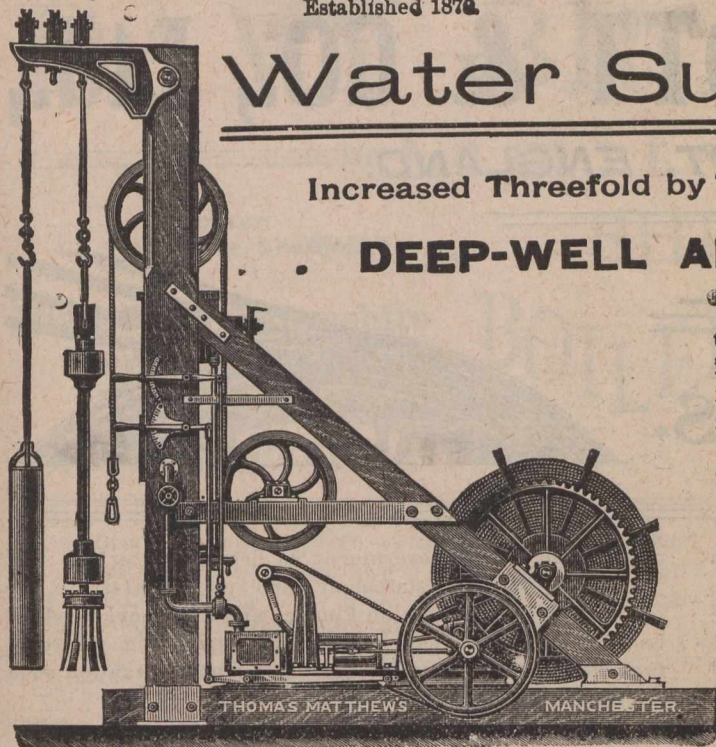
—The Association of German Wool Combers and Spinners, says a Berlin correspondent, has addressed a protest to the Reichstag against the adoption of the Tariff Bill en bloc. It points out that the adoption of the wool tariffs as altered by the Tariff Committee will possibly involve in ruin the whole German wollen industry. The correspondent says that mass meetings were held by social Democrats throughout Berlin last evening to protest against violence done to the sole Parliamentary representative of the city by a majority in the Reichstag. The halls were crowded to the doors with thousands of orderly workmen.

—The last spadeful of earth that separated the workmen engaged in digging the two sections of the big waterworks tunnel under Lake Erie, says a Cleveland report, was removed on the 6th inst., and after six years of continual labor the tunnel is practically completed. Its purpose is to supply the city with pure water from an intake crib five miles out in Lake Erie. Since the work begun fifty lives have been lost from explosions and other accidents. The tunnel is 100 feet below the bottom of the the lake. It is nine feet in diameter, and 26,000 feet in length. When fully equipped its capacity will be 200,000,000 gallons of water a day. The construction of the canal cost \$1,250,000.

—The N. Y. Herald says that with the passing of the control of the Pere Marquette Railroad into the hands of the Pere Marquette syndicate the road will within a few days formally take over the Lake Erie & Detroit Railroad, and that the property will be developed into a trunk

Established 1870.

Telegraphic address: "ARTESIAN, Manchester."



Water Supplies,

Increased Threefold by THOMAS MATTHEWS' PATENT

DEEP-WELL AND BORE-HOLE PUMP.

Specially Adapted for all Trades Requiring Large Quantities of Water. Bore Holes any Size and Depth. Consultations in respect to Water Supplies. Careful Analysis made of Water from Bore Holes, and Reports as to their Suitability for Manufacturing Purposes. IMPROVED TUBE-DRIVEN WELLS. MILLWRIGHTING, STEAM ENGINES of every description, &c. Prompt Personal attention to Repairs and Breakdowns.

Thomas Matthews,

Hydraulic Engineer,

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Special terms to Canadians under the New Preferential Tariff.

line between Lake Michigan points and Buffalo, having an entrance into Chicago over its own tracks and crossing the Niagara River over a bridge to be built near Tonawanda, N.Y. The members of the directorate interested in the syndicate are said to be Nathaniel Thayer and F. H.

Prince of Boston and Thomas F. Ryan and Mark T. Cox of New York.

The Department of Trade and Commerce has received a copy of the report of the Government analyst for the Cape of Good Hope, giving the results of an analysis of samples of canned meat from the United States, Canada, Australia and New Zealand. Samples of beef and poultry from Canada made an inferior showing, according to the report. The samples of Canadian meat numbered 94, and only 33 were pronounced sound; of the remainder 38 were decomposed, 23 slightly decomposed, and 15 contained boracic acid. Forty-eight samples of beef canned by a Montreal firm were analyzed, and it is claimed that 26 were in an advanced state of decomposition, 11 were slightly decomposed, 1 contained lead, and 14 had boracic acid.

The reports issued by the Dominion Immigration Department indicate that the population of Manitoba and

Contractors to His Majesty's Government.

MICA

For Stoves to all Patterns. Chimneys for Incandescent Burners. For Ventilators, Lanterns, &c. Lamp-Tops, Shades and Washers. For Dynamos and all Electrical Purposes.

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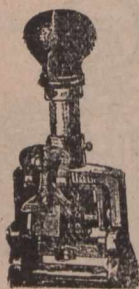
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Patent "Excelsior" Counter FOR PRINTING PRESSES.

PATENT AUTOMATIC Type-High Numbering Machines. Automatic Chases for Printing and Numbering Cheques in one operation, and every description of



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Acetylene Gas Company, LIMITED.

30 St. Ann Street, MANCHESTER, Eng.

Telegraphic Address:

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Awarded the GOLD MEDAL (Highest Award) at the International Acetylene Exhibition, 1899, BUDA PESTH.

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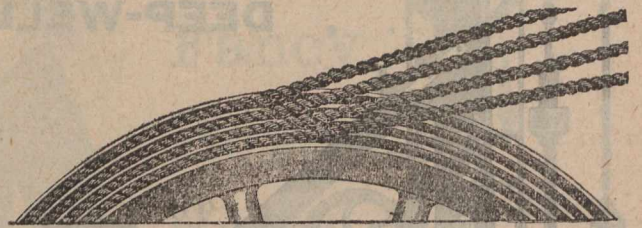
"S.C." (Separate Cells) AUTOMATIC Acetylene Gas Generators



HANSON, SCOTT & CO., Ltd.,

STOCKPORT, ENGLAND.

Cotton Driving Ropes.



the Territories will by the end of the present year have augmented by fully 100,000 souls. From January to October 31 the number of immigrants registering at Winnipeg was 64,035. The returns for November have not yet been completed by the authorities, but it is estimated that the number will be in the neighborhood of 5,000, making a total of 69,000, with another month's arrivals to be added. These figures do not, however, show the total arrivals. The officers were wont to estimate fully 25 per cent. of the immigrants were of the independent class, and do not register at the Immigration Office, this percentage is therefore added to the net total.

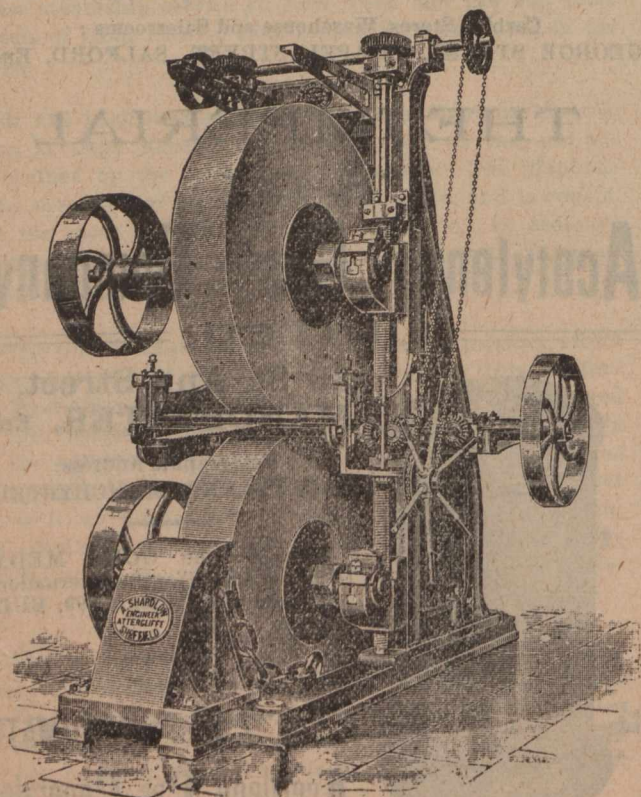
—The statement was made at a meeting of the U. S. Chamber of Commerce some days ago by Francis C. Moore that of 80,000,000 silver dollars now in circulation, it is within the realm of possibility that not less than 40,000,000 are counterfeit. Mr. Moore, says a Washington letter, predicted this statement upon a report made to him by the president of one of the leading banks of this city that of 300 silver dollars turned into the sub-Treasury by the institution of which he is the read, no less than 170 were

confiscated by the Government as being counterfeit. Mr. Moore's remarkable statement came as a protest to the report of the Committee on Finance and Currency, to which had been referred the question of suggesting measures that would tend to provide against a money situation such as we have had recently to deal with.

—A company to operate oil wells and deal generally in oil and its products has been formed, under the name of the Canadian Trinidad Association, Limited, and a capital of \$300,000. The provisional directors are:—J. S. Lovell, W. Bain, R. Gowans, E. M. McNeill, S. R. Wilkie and R. Richardson, all of Toronto. The head office of the company, will, however, be in Walkerville.—The Eagle Knitting Company, Limited, is incorporated, with a capital of \$300,000, to manufacture knitted goods, and to take over the business now conducted by James Robert Moodie under the name of the Eagle Knitting Company.—Other companies granted incorporation are:—The Silicate Brick

The Improved Long Saw Grinding Machine

.....OF.....
A. SHARDLOW & Co., LIMITED,
SHEFFIELD, ENGLAND.



The officers of the World's Best Navy
will have THE BEST CUTLERY!

That is why their

Carvers and
Bread Knives

Are bought from

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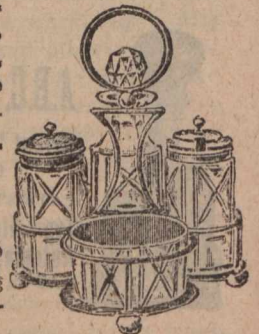
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We are also supplying an immense and growing number of Ironmongers with every description of TABLE CUTLERY AND PLATE. We have very special lines in

Cabinets, Fish Eaters,
Desserts Spoons,
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Tea and Coffee
Services, &c., in ex-
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Razors Scissors,
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These goods are supplied to
Canadians at a reduction of 33
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Limited.

TELEGRAMS:
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SHEFFIELD, England.

High-Class Lancashire
and Cornish Boilers
Coal or Gas Fired, up
to 200 lb. working Pressure.

IN the Manufacture of these Boilers, Hydraulic, Steam, and Pneumatic Machinery of the most modern construction is employed, and all Boilers are made to pass Insurance Inspection.

Co. of Ottawa, Limited, \$50,000.—The Halton Patent Right Co., Limited, \$50,000, Owen Sound.—The Standard Ideal Sanitary Co., \$100,000, Port Hope.—The Canada Spice and Grocery Co., Limited, \$50,000, London.

—The official circular explaining the arrangements for the prepayment of customs duties on postal parcels forwarded from Great Britain to Canada announces that where duty is prepaid a "franking note will accompany the postal package to one of the following exchange offices in Canada, viz., Victoria, Vancouver, Winnipeg, London, Hamilton, Toronto, Kingston, Ottawa, Montreal, Quebec, St. John, Halifax and Charlottetown. On arrival at any one of the foregoing offices the customs officer will assess the value of the package and the parcel will then be delivered at destination direct to the address through the mails or at the exchange office as the case may be. This arrangement for the prepayment of duties in England will be a great convenience to the Canadian public. It will be especially advantageous to settlers in the newer districts where no custom house as yet exists.

—The sub-committee of the committee of the House having trust legislation under consideration reported favorably on the publicity bill. It is provided that every corporation with a capital stock of over \$500,000 shall file with the interstate commerce commission a most comprehensive statement as to business, stock issued, outstanding

and paid in, property owned, earnings, income, operating expenses, dividends, salaries, etc. Provision is also made for "a tax of 1 per cent. per annum on so much of the capital stock outstanding which is not fully paid in cash or other property at its full cash market value and for collecting of the tax. Any concern failing to make the return as required under the bill or failing to pay the tax imposed is to be restrained on the suit of the United States from engaging in, entering State of foreign commerce.

—Montreal Analyst Hersey has reported to the Health Department that red aniline dyes are commonly used in this city in the manufacture of sausages, to give them a bright,

Sedgley, Tyler & Co.,

Wholesale and Export Manufacturers,

Fleet Street Building, - LEICESTER, England

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Popular Prices.

Ladies' Fine Boots and Shoes.

School Boots:—Boy' and Girls'.



These Shoes are made for the Canadian market, under the New Preferential Tariff of 33⅓ p.c. in favour of Canadians.

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Hosiery Manufacturers,
CHURCH GATE,
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WORKS :

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Sanitary Woollen Underclothing.
Ladies' Lamb's Wool Vests and Drawers.
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Men's Shetland and White Lamb's Wool Shirts and Drawers.
Men's Cashmere Shirt- and Drawers.
Men's Shetland Half-Hose, Ribbed and Plain.
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Men's Fancy Half-Hose, Ribbed and Plain,
etc., etc.



RITCHIE LETHAM, Ltd.,

SOLE WEAVERS OF THE

“Union” Hair Belting

... AND THE ...

“HERCULES” Solid Woven COTTON BELTING.

Telegraphic Address: “LETHAM, OLDHAM.”
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The Warp used in the manufacture of this Belting is guaranteed to be made from the BEST quality of the yarn known as Camel Hair Yarn.

Special lines in “Self-Lubricative” STEAM ENGINE AND PUMP PACKINGS.
Samples and prices free on application.

Address: Waterloo Mills, Oldham, England.

Special Prices to Canadians under the New Tariff.

fresh appearance. Bismarck and other brown aniline dyes are also used to give a certain class of sausages a smoked appearance. The report says that it is a common practice to “revonate” or “process” butter; adulteration of milk with water is comparatively frequent; that some of the bread is dirty and carelessly made, and that there is throughout this city and the whole of Canada and the United States an immense quantity of cotton seed oil sold as olive oil, or to take the place of olive oil, under the name of “salad oil.” The report concludes by saying that a certain make of prepared mustard should be seized and confiscated. The mustard was fitted with a tin cap, which came into contact with the mustard itself. The tin corroded and made the mustard very dangerous to partake of.

—A petition is on its way to Ottawa from Cape Breton, N.S., for presentation to the Minister of Marine and Fisheries. This petition sets forth the importance of the lobster fishery to the island, and asks the Department to take measures to save the seed of lobsters in Cape Breton, hundreds of millions of eggs now being annually destroyed. The petition suggests the placing of seed lobsters in a

pound or water inclosure, and keeping them there during the months of May, June, and July and then liberating them along the coast in August to hatch their eggs in the natural way. It is claimed that the cost for buying, keeping, feeding, and liberating along the Cape Breton coasts 40,000 seed lobsters with 400,000,000 eggs attached would not exceed \$6,500, and that if the prayer of the petitioners is granted there would be an increase of 100 per cent. in the earnings of the lobster fishermen. Reports to the department indicate a serious falling off in the oyster fishery this year. Prices have advanced one dollar a barrel.

—The past few months, says a London, England, letter, have found in the United Kingdom an unprecedented number of American buyers of thoroughbred cattle, whose purchases of high-class breeding stock aggregate many thousands of pounds. The prices paid range from \$2,100 to over \$6,250 per head. Scores of high priced bulls and cows have been shipped during the past summer and fall. A number of purchases have also been made of tiny Dex-

Telephone: 5704. Bank.

Telegraph: “Diluteness,” London.

The Speedwell Juvenile Clothing Company.

Manufacturers of Sailor and Fancy Suits in Velvets, Plushes, Tweeds, and Serges, for Canadians under the New Preferential Tariff of 33 1/3 p.c.

WORKS AND OFFICES:

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Cut will be inserted when received.

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Contractors to
H.M. Government.

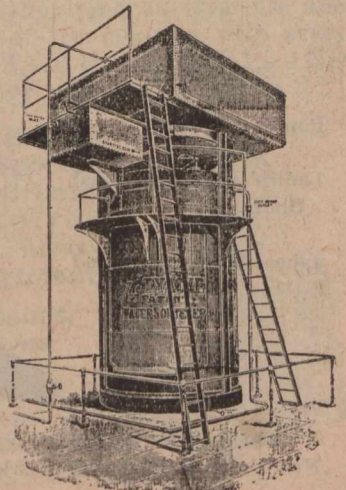
30 & 31 St. Swithin's Lane,
LONDON, E.C., Eng.

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Home and Foreign Governments, Railway Companies (At Home and Abroad), Electric Generating Works, Engineering Works, Hydraulic Stations, Gunpowder Mills, Collieries, Telegraph Works, Gold Mines, Paper Works, Chemical Works, Cement Works, Flour Mills, Hotels, Hospitals, Schools and Colleges, Various Institutions, Laundries, Private Mansions, &c., &c.

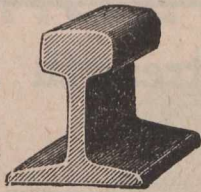
Write for full Particulars to

FRANK H. TYACKE, C.E.,
Managing Director.

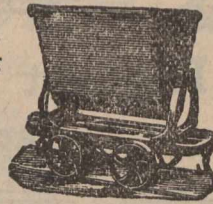


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LOCOMOTIVES.
CRANES of all kinds.
STEAM & WATER
PIPES & FITTINGS.



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SHEETS, BAR IRON.
AERIAL WIRE
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Steel Rails of all Sections. Fish Plates. Bolts.
Spikes. Points and Crossings. Steel Sleepers.
Wagons for all purposes. Wire Ropes. Pit
Headings. Screens. Mining Steel. Pulsating
Pumps.



ter and Kerry cattle in Ireland, the breeding of which has recently become quite the fashion in England. The ruling of Mr. Salmon, chief of the United States Bureau of Animal Industry, allowing the importation of Jersey and Guernsey cattle into the United States without the tuberculin test is expected to greatly stimulate purchases in these islands. The agricultural department agents during the past ten years have inspected over 20,000 head of cattle in Jersey and Guernsey and have not found a single case of tuberculosis. On the other hand, England and Scotland were badly infected, and breeders here, on that account, apprehend the early adoption of more stringent quarantine measures by the United States.

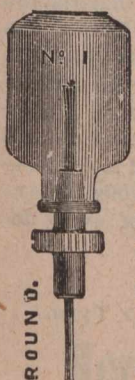
—Manitoba's total yield of all grains has passed the hundred million mark. Such is the official estimate just issued by the Provincial Department of Agriculture. The total yield for the year 1902 of all grains is 100,052,343 bushels, and of this amount wheat constitutes 53,077,267 bushels, or over one-half the total grain production. All previous years have been left far behind. The reports show that the yield of wheat or 1902—53,077,267 bushels—is 2,575,182 bushels in excess of the previous year, when a total yield of 50,502,085 bushels were raised. The average yield per acre increased from 25 bushels in 1901 to 26 bushels in 1902. The area under crop in 1902 was 2,039,940 acres, an increase over 1901 of 28,105 acres. A feature of the report is the heavy increase in oats. In 1901 the yield totaled 27,796,588 bushels, with an average per acre of 40.3 bushels. This year the yield was 34,478,160 bushels, being an increase of 6,681,572 bushels, with an average of 47.5 bushels, or 7.2 bushels per acre in excess of 1901.

The acreage under crop increased from 689,951 in 1901 to 725,060 in 1902. The yield of barley nearly doubled that of 1901, the total this year being 11,848,422 bushels, as against 6,536,155 the previous year, an increase of 5,312,267 bushels, with an increase in the average yield per acre from 24.2 in 1901 to 35.9 in 1902. Flax shows the largest percentage of increase of any of the grains, the yield for this year totalling 564,440 bushels, against 266,420 last year, an increase of 298,020, or over 100 per cent. On the other hand the average yield is but little larger than 1901.

—Fire Insurance Decisions.—A complaint on a fire policy alleged that when the fire occurred plaintiff gave oral notice thereof; that defendant sent an adjuster, who entered into negotiations with plaintiff's agent concerning the loss, and continued them until after the time within which, under the policy, plaintiff was required to furnish proof of loss, had expired, and that plaintiff and defendant were unable to agree as to the loss; that defendant refused to pay the same, but not on the ground of plaintiff's failure to furnish proofs of loss; and that by such conduct waived the notice in writing and formal proofs of loss required by the policy. Held, that, although such paragraph did not contain allegations sufficient to constitute a technical estoppel, it was sufficient to authorize plaintiff to take a verdict of a jury on the mixed question of law and fact as to whether there was a waiver of proofs of loss. *Germania Fire Ins. Co. vs. Pitcher*, 64 N. E. Rep. (Ind.)

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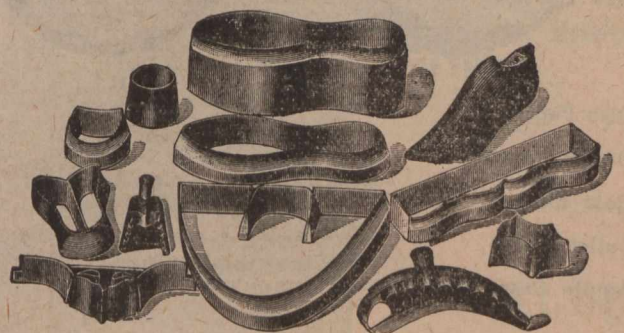
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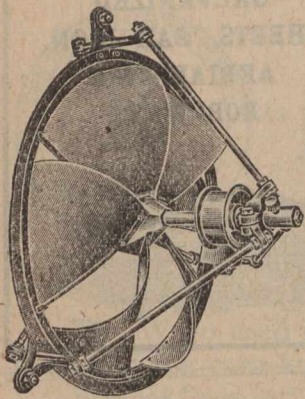


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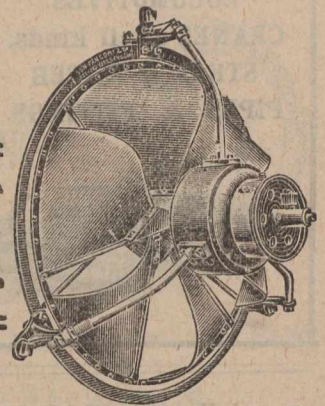
Highest Efficiency, Strength
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Belt Driven.

MADE ENTIRELY OF WROUGHT
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For Ventilating, Drying and
All Cooling Purposes . . .



Electrically Driven.

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Special prices to Canadians
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GENERAL BUYING
AGENTS WANTED.

921.—An insurance agent wrote a policy in a company represented by him, which he intended to substitute for a subsisting policy in another company, which had demanded an increased premium, but had taken no steps to cancel its policy. The agent marked the first policy "Cancelled" in his books, and transferred the credit for the premium paid, but the second policy was not delivered, nor was the intended substitution known to the insured (who still held the first policy), nor to either company, until after the property had been destroyed by fire. Held, that the first policy remained in force, and liability thereunder be-

came fixed by the destruction of the property, and that the second policy did not become effective as a valid contract of insurance by its subsequent delivery by the agent. *Kerr vs. Milwaukee Mechanics' Ins. Co.*, 117 Fed. Rep. U. S. C. C. A., Neb.) 442.—Code, sec. 1714, declares that fire insurance companies authorized to do business within the State shall prepare under oath, and file with the State Auditor, a complete statement of their assets and liabilities, etc. Section 1715 requires the Auditor to withhold permission to do business from a company neglecting to comply with the law; and section 1720 requires the Auditor to have such statements printed; and sections 125 and 126 require the printing and distribution of annual reports of the Auditor pertaining to insurance; while section 1731 requires the companies to publish the certificate from the Auditor that the company has complied with the law, which certificate is required to contain a statement from the annual report of the company showing the aggregate amount of assets and liabilities at the date of the report. Held, that since such statutes require wide publicity to be

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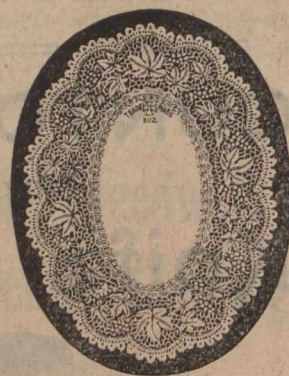
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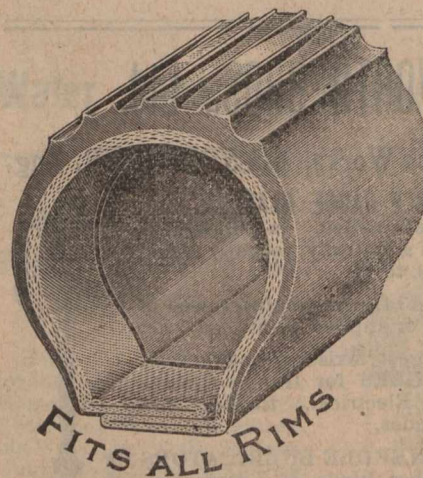
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Goods for Table Decoration.

Made in London from British Materials by British
Workpeople Only.

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THE TONI PNEUMATIC TYRE.

(Patent No. 26,555, 1898.)



IT IS the simplest and most easy tyre to attach or detach. Self gripping. It is manufactured of the very best material the English Market can offer. The Para rubber superfine is specially prepared to stand all extremes of climate. It is fitted to Cycles—Motor Cycles—Carriages of every description.

Eighteen Months' Guarantee with every Tyre.

F. TONI & CO.,

20 HANWAY STREET WORKS,
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Special Rates to Canadians under the new tariff

Contractors to the Indian Government, London County Council, H.M. War Office, Corporation of City of London, &c. &c

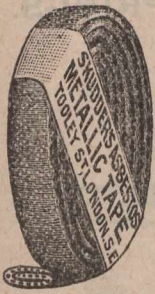
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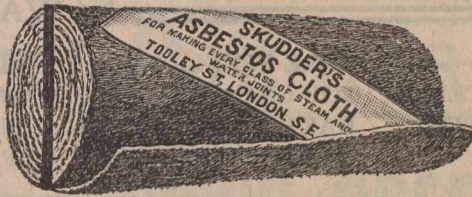
GEORGE SKUDDER & CO.

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For all kinds of Marine and Land Engines, Steam Hammers, Blowing, Winding, and Hydraulic Engines.



WOVEN PACKINGS

are extensively used in Railway Locomotive Pistons & Valves also by Coal, Iron and Steamship Companies, &c.



ASBESTOS MANUFACTURERS.

Patent Improved Non-Conducting Compound, for covering Boilers, Steam Pipes, and all super-heated surfaces. For the Prevention of Freezing in Cold Water Pipes our Compound has no equal.

98 Tooley Street, - - - LONDON, S.E., Eng.
And at SOUTH BERMONDSEY.

given to the statements so filed; such statements are for the protection of individual members of the public; and that a person purchasing stock in an insurance company was entitled to rely thereon, and maintain an action of deceit against the secretary for damages caused by fraudulent statements therein. Warfield vs. Clark, 91 N. W. Rep. (Iowa) 833.

—Recent Walkerton, Ont., advices state that the fruit-growers concluded their convention after enjoying probably the most profitable interchange of views in the history of the association. On opening the last day's session, the convention first heard a statement from Mr. Joseph Tweddle of Fruitland on his method of spraying apple trees. Mr. Tweddle is an excellent specimen of the scientific grower, and his recital was unusually impressive. He said he sprayed once before bloom, once immediately after, and then every three weeks until the fruit was well advanced. He described his large crops of this year, and attributed it largely to the absence of codling moth, which usually took three-quarters of the crop. He had shipped apples to Germany this fall, and had netted \$3 per barrel for Greenings, \$3.12 for Baldwins and \$3.82 for Spies. He had cleared \$2,000 from four and a half acres of apple

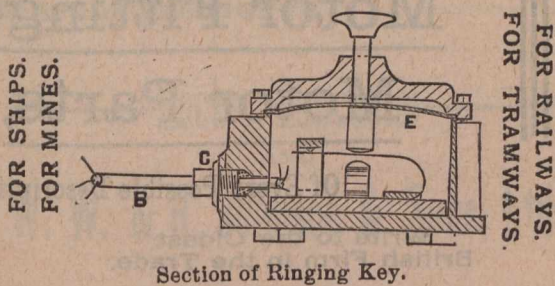
orchard this fall, for which he had to pay \$65 rent. From another orchard of 25 acres, which had previously been the headquarters for canker worms, he had got \$3,000 this year.

—At a recent meeting of the Quebec City Council, the following by-law was adopted and will come into force on May 1: 1. No commercial traveller, being in the city of Quebec, shall take orders or sell goods in trade or other articles on sample catalogue or price list to persons other than merchants, in the ordinary course of their business, before having obtained for so doing a permit or license from the city of Quebec, which license shall be delivered by the city clerk. 2. To obtain said license a sum of three hundred dollars shall be paid to the city treasurer. 3. Any commercial traveller doing said business in the city of Quebec, without having obtained said license, shall be liable to a fine not exceeding forty dollars, for each offence, and in default of payment of said fine, with costs and imprisonment for a space not exceeding two months.

—It is reported at Toronto that some Ontario tanners are uneasy over the possible effect of the order made by the Canadian Government prohibiting hides and hoofs from

... Watertight Electric Bells ...

And RINGING KEYS.



Section of Ringing Key.

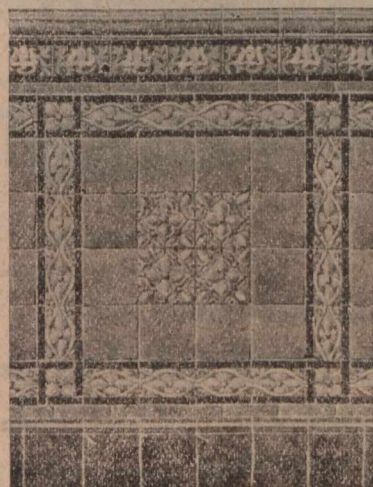
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SALFORD, MANCHESTER,
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Telegrams: "WENHAM"

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Manufacturers of

Tiles for Floor and Wall Decorations, Mosaics and Faience.



Swan Tile Works,

Liverpool E., Eng.

Special prices to Canadians under the New Tariff.

AUSTIN & DODSON, LIMITED,

Manufacturers of

SPRING STEEL

FOR
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WAGON and VAN SPRINGS.

Loco SPRING STEEL.

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SPRING STEEL SHEETS.

Machinery and Agricultural Implement Steels in sections of every description, lists of which can be had on application.

Cambria Steel Works, SHEFFIELD, Eng.

the six Atlantic States entering Canada. They do not import from those States, but they are afraid that this prohibition may affect them in another direction. The heavy hides and skins out of which some classes of leather driving belts for machinery are made are imported from South America, and are brought into Canada by way of Boston. They pass through American territory in bond, but the tanners fear that the Government regulation may include hides in bond. It is probable that a meeting of the tanners' section of the Board of Trade will be called to consider this, and the department at Ottawa will be communicated with on the matter.

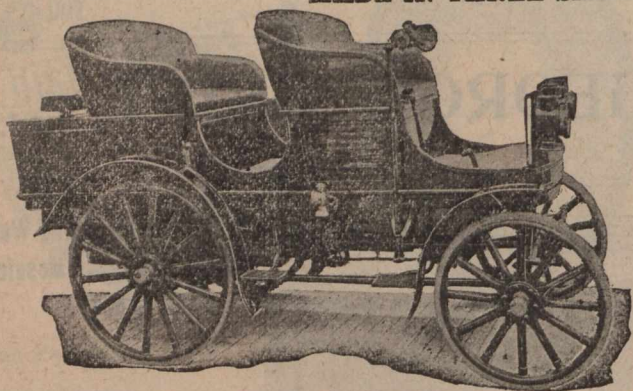
—A communication received at the Department of Trade and Commerce from the British Consul gives the text of a proclamation by President Diaz of Mexico on the subject of import duties. It contains the following paragraph:—"On and after Jan. 1st, 1903, the import duties on foreign merchandise brought into the republic will continue to

be adjusted in accordance with the rates set forth in the import schedule, but the sum that would be payable according to that adjustment will be reduced by 50 per cent., and the amount thus found will be multiplied by the sum fixed by the Department of Finance for the settlement of duties during the month in question, and which in no case will be less than 2.20 per cent. The product will represent the amount of import duties to be paid by the importer."

—The Canada Northwest Land Company has sold during the month of November 28,100 acres of land for \$171,300. For the corresponding month of last year 11,400 acres of land were sold for \$61,000. The average price paid this year is over \$6 per acre, being an advance of about 45 cents per acre over last year. It is stated that sufficient has been realized this year to warrant a free dividend of 6 per cent. at least and possibly more on the preferred shares. The Canadian Northern Railway Company have surveyed a line from War road to Rosseau, and will construct the road next season. The Great Northern is also heading for

LIGHT **LIFU** CARS.

BEST STEAM CAR ON THE MARKET.
ENGLISH-BUILT THROUGHOUT.
MADE IN THREE SIZES.



FOUR-SEATED Double Phaeton,

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with removable third seat,
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LIGHT VANS
To carry up to one ton.

The Steam Car Co.,
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REGISTERED OFFICES :

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Motors,
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Of Every Possible Description.

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United Motor Industries, Ltd..

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Special Terms to Canadian Buyers.

EDGAR ALLEN

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Imperial Steel Works,

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SOLE MANUFACTURERS OF

TRADE MARK, - GRANTED 1885.

ALLEN'S



HIGH SPEED TOOL STEEL.

**The best Steel in the market for Heavy Cuts and High Speeds.
Any Tool Smith can easily manipulate it.**

CORRESPONDENCE INVITED.

the same place, a corps of surveyors now being in the field locating a line.

—An order was granted at Toronto on consent to wind up the business of Messrs. MarFarland, Gray & Southgate, wholesale manufacturer of clothing, shirts and overalls. A meeting of the creditors and shareholders was held the previous day, when it was decided to go into liquidation. The application was made by Mr. W. J. MacFarland, as a shareholder, and was not opposed. The liabilities are about \$100,000, with assets nominally of the same amount. The company was organized in 1898 with a capital of \$200,000, of which \$100,000 was paid up. It is understood that the firm will make an offer to their creditors.

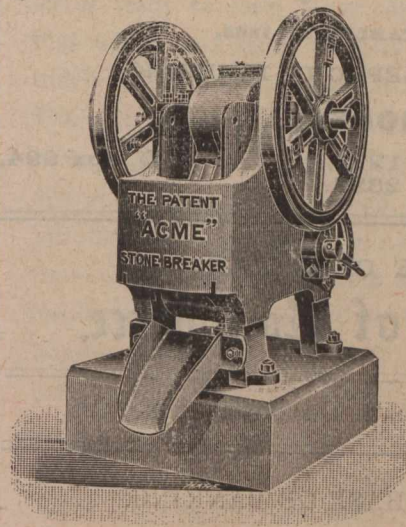
—Railways are devising plans to meet the scarcity of timber. According to The Railway and Engineering Review, the management of the Michigan Central Railway has decided to go into the culture of catalpa trees for ties and fence posts. Seedlings have been grown in the greenhouses at Niles, Mich., and next spring a grove of 60 acres of the trees will be set out on the Canadian division. Plantations will also be set out along the right of way at various points. This summer the company did some experimental planting at Glenwood, Mich.

—London, Eng., advices state that at a recent meeting of the shareholders of the Linotype Company, the chairman confirmed the report that negotiations were on foot looking

to the amalgamation of all the linotype companies. He said they had been in communication with important capitalists in the United States and Berlin, and if the directors received good proposals they would be submitted to the shareholders. Regarding the dispute with the Canadian company, the chairman said there would be a conference between representatives of the two concerns.

—The Halifax Board of Trade has forwarded to the Toronto Board a map showing a short summer and winter route across the Atlantic between Halifax and Fastnet, and which is suggested as a route for the proposed fast Atlantic line. It is claimed that this route is as free from fog and ice as the New York route. The summer route is 2,223 miles, and the winter 2,432 miles. The map was prepared by Captain C. O. Allen.

Telegrams:—GOODWIN, IRONFOUNDER, LEICESTER.
CODE:—5th EDITION, A.B.C.



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Patent "ACME" (Reg.)

**Stone
Breaker**

Portable and Stationary.
The Best Machine for all
purposes.

Goodwin, Barsby & Co.

ENGINEERS,

LEICESTER, - England

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—Locke, Lancaster—

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W. W. & R. Johnson & Sons, Ltd.,

94 Gracechurch Street,
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The Sizing Materials Company

Manufacturers of
all kinds of

**Chemicals and Materials used
by Warp Sizers and Finishers.**

10 Marsden St., - MANCHESTER, Eng.

THE STANDARD ASSURANCE CO. ESTABLISHED 1825.

OF EDINBURGH.

HEAD OFFICE FOR CANADA, - MONTREAL.

Invested Funds, - - - - - \$50,136,000
 Investments in Canada, - - - - - 14,980,000

[WORLD WIDE POLICIES.]

Thirteen months for revival of lapsed policies without medical certificate of five years' existence.
 Loans advanced on mortgages and Debentures purchased. Agents wanted.

D. M. McGOUN, Manager.
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WITH stronger policy reserves than those of any other Company from America, the **CANADA LIFE ASSURANCE COMPANY,** enters Great Britain in January next.

INSURANCE COMPANIES placing orders for Printing should make it a point to get our figures before closing their Fall contracts. We have facilities for handling Insurance work to the best advantage and are thus enabled to give our customers the benefit. If you are interested in any way write, or come and see us,
JOURNAL OF COMMERCE JOB DEPT.,
 171 St. James Street, MONTREAL.

NORTHERN ASSURANCE CO'Y.
 INCOME AND FUND 1901



Capital and Accumulated Funds, :: \$42,990,000
 Annual Revenue from Fire and Life Premiums and from Interest on Invested Funds 6,655,000
 Deposited with Dominion Government for the security of policy-holders 238,000

Head Offices:—London and Aberdeen.
 Branch Office for Canada, Montreal, 1730 Notre Dame St.
 Manager for Canada.—ROBERT W. TYRE.

Insurance.

PHENIX ASSURANCE CO'Y., Ltd.
 OF LONDON, ENG.

Established in 1788. Canadian Branch
 Established in 1894.

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 Government, Municipal and Railway securities bought and sold. First class securities suitable for Trust Funds always on hand. Trust Estates managed.
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FIRE. LIFE. MARINE.

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 ESTABLISHED 1865.
 BELL TELEPHONE BUILDING,
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Telephone - Main 1277. P. O. Box 994.
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THE CANADIAN Journal of Commerce.

MONTREAL, FRIDAY, DECEMBER 12TH, 1902.

A NEW PHASE OF BANKING.

In recent years banking has developed a class of business which has attained such large proportions as to have become a new phase of banking business. We allude to the loans made in the security of bonds and stocks, that are classified as "call or short loans." The extent and growth of these is shown by the following comparisons:

	1902.	1891	Increases.
Call loans by banks ..	\$51,247,417	\$12,639,259	\$38,608,158
Call loans by loan co.'s.	16,000,000	532,000	15,468,000
Total increase in call loans in Canada since 1891..			\$54,076,158

THE MANCHESTER FIRE ASSURANCE COMPANY.

Established 1824. CAPITAL, - - \$10,000,000

Head Office, MANCHESTER, ENG. | Canadian Branch Head Office, - TORONTO.
 JAS. BOOMER, Manager.
 T. D. RICHARDSON, Assistant-Manager.

EVANS & JOHNSON, Resident Agents, MONTREAL.
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A Good Position Open.

THE IMPERIAL LIFE ASSURANCE CO. offers a most advantageous contract to a good representative for

Granby & Vicinity

Only men of good character, possessing energy and business ability will be considered for this vacancy.

E. S. MILLER, Provincial Manager,
 260 St. James Street, - - MONTREAL.

Besides the above the banks have \$47,510,849 advanced in call loans outside Canada, so that, at present, they have \$98,758,265 invested in such loans. How large has been the increase in their foreign call loans cannot be ascertained as, prior to the last change in the form of the monthly bank statement, this information was not given, but that there has been a very large increase in their call loans in New York is known.

That the chartered banks of Canada have call and short loans on stocks and bonds to an extent exceeding their entire paid-up capital by \$27,000,000 is not a gratifying feature in their business. Such enormous ad-

Mutual Reserve Life Insurance Co.,

FREDERICK A. BURNHAM, PRESIDENT.

EIGHTY-ONE THOUSAND POLICY-HOLDERS.

Total Assets, \$12,264,838.21.

THE TWENTIETH ANNUAL STATEMENT

Shows that the 1900 Business Brought

**An Increase in Assets. An Increase in Income
An Increase in Surplus**

...AND..

An Increase in Insurance in Force.**Net Surplus, - \$1,187,617.68.****Total Death Claims Paid since Organization, over
FORTY-EIGHT MILLION DOLLARS.**

EXCELLENT POSITIONS OPEN in its Agency Department in every Town, City and State, to experienced and successful business men, who will find the **MUTUAL RESERVE THE VERY BEST ASSOCIATION THEY CAN WORK FOR.** Further information supplied by any of the Managers, General or Special Agents in the U. S., Canada, Great Britain or Europe.

**Home Office, Mutual Reserve Building, - - NEW YORK CITY
Montreal Office, - - La Presse Building.**

T. W. P. PATTERSON, Gen. Man.

**Union Assurance Society
OF LONDON.**

(INSTITUTED IN THE REIGN OF QUEEN ANNE, A. D. 1714.)

Capital and Accumulated Funds exceed, - \$16,000,000.00.**ONE OF THE OLDEST AND STRONGEST OF FIRE OFFICES.**

CANADA BRANCH:

Cor. St. James and McGill Streets, - MONTREAL.**T. L. MORRISEY, Manager.**

vances reveal there being stock operations of a speculative nature carried on which are a distinct source of danger, which can hardly fail to develop grave mischief when the present prosperity begins to decline.

But the most singular phase of this movement is the establishment of banks which are organized mainly to advance money on stocks and bonds, that is, to make call loans. The Sovereign Bank, which was opened in May, 1901, has now a paid up capital of \$1,173,478, with deposits, \$1,614,583, and it has call loans to the extent of \$1,630,199; that is, its entire paid up capital is out in call loans, and \$456,721 of its deposits invested in the same class of advances. The Metropolitan Bank, recently opened, is understood to be chiefly engaged in this class of business, indeed, it seems to have started a new line of banking, for the Manager appointed to conduct the business of the Metropolitan is a very young man without experience as a banker, but of some experience in the office of a mortgage loan company that has a large call loan business.

Another bank is to be made out of the Home Savings & Loan Company, Toronto, which is one of the oldest and strongest of those institutions in Ontario. The Home is popular with depositors whose funds are chiefly utilized for making loans on stocks and bonds. The amount it can receive on deposit is, however, restricted by law, so that, in order to have unlimited power in this respect, it is about to be re-organized as a chartered bank. Its deposits are chiefly used for call loans, which will constitute its chief business when transformed into a bank. When this change has been effected there will

be three banks with head offices in Toronto whose principal operations will consist of advances on the security of stocks and bonds.

How far it is desirable for banks devoted specially to the business created by stock speculations to have the power of issuing notes is a matter worthy of consideration. That their notes will be well secured as a first charge on their assets cannot be doubted. But as those assets will be chiefly stocks pledged for advances, the situation will be created of a section of the circulation of Canada resting upon stock exchange business.

Reports are current in Toronto that the Metropolitan is to be absorbed by the Ontario Bank, which would be an extraordinary event to happen to a bank that is still in its infancy. On the whole, we believe it would be better for the organization of Trust companies such as operate in the United States, which are chiefly engaged in making advances on stocks and bonds, a class of business somewhat different from what is ordinarily regarded as "banking." There are legal difficulties in the way, which, however, would soon be overcome were a serious effort made to organize a Trust company on the lines of those in New York or other American cities.

GUIDES TO CREDIT.

What with the business prosperity prevalent the last year or two, and—let us admit—the assistance of the "Mercantile Agencies," the volume of losses in trade should be at a minimum. If the statistics issued by Dun's and Bradstreet are trustworthy, as in the absence of any test they are generally allowed to be, there is a satisfactory diminution in bad or doubtful debts. There be, however, among the interested an occasional observer ready to form other conclusions, for he argues that where two such "doctors disagree" more or less widely it is difficult to arrive at any satisfactory decision. There be others who, agreeing as to the divergence among the great old-established rivals, decry the whole mercantile agency system and place no value on their information—although they continue to subscribe—as they say—"to help the thing along." A few take the books to see their "ratings" or those of their neighbours, however near to or wide of the mark, forgetting or ignoring the opinion they often expressed when Jones Ap-salmon or his eidolon, who had been rated so long at \$250,000 to \$300,000 is suddenly announced to all the world as being in "hot water" and who on inquiry is acknowledged never to have been worth a fraction of the amounts.

The manner in which "reports" of a remote country buyer are sometimes prepared is well known to "Agency" managers and their assistants. It would never do to send the clerk from the wholesale house back without a report of some kind, so an old report, perhaps some years old, is vamped up and the man is said to be in "fair credit for small lines," and so forth. The low ratings accorded to merchants or manufacturers in some small villages, especially when the head or manager of the concern is not one of the showy kind or likely ever to

require the service of the Agency, have been remarked by wholesale men whose experience of them is quite of another character, but who may perhaps, be indifferent occasionally for reasons of their own. A higher and more just rating might encourage a traveller new to the road to leave a few dollars with the keeper of the nearest livery stable. Again, it is no secret that correspondents of the Agencies are not invariably just to a business neighbour; perhaps they do not agree with him in politics or other distracting beliefs, or in the material of the calf or hero at whose shrine they shall worship. This is occasionally productive of much mischief, and is one of the chief causes of distrust among the wholesale trade. It is remarkable on the other hand what ratings are found for remote operators such as lumbermen, millers and others whose office furniture is not deemed complete if lacking one of the "Reference Books" issued periodically—three or four times a year—by the Agencies. We need not refer here to the "Agency" which is not a "Company," which travels briskly about the city in well-brushed habiliments inquiring of Tom, Dick and Harry about a local somebody who has left an order with a tailor, a piano dealer, or even a new bank. These agents, useful in their humble way, know well where to search for bits of saleable information, which, pieced together, often determine whether the order which the "city traveller" or canvasser has secured at the expenditure of much time and patience shall be filled and pay him a commission or be postponed for further consideration.

With so much to contend against, it is not surprising that efforts have been made now and again to reform so expensive an adjunct to the wholesale trade as the "Agency" system, or seeing what a profitable business—what a powerful engine—it might become, to establish rival agencies. An effort with this object, as is well known, was set afoot a year or two since under the direction of that veteran in the business, Erastus Wiman, who at length discovered that he had "bit off more than he could chew" when he undertook to break a lance with the descendants of his old associate, the late R. G. Dun. The new venture was on a gigantic scale, but it somehow failed to secure the necessary support. The mourning on one side and the paeans on the other were yet scarcely ended when another effort was set afoot—a few months ago—in the principal cities of the Dominion. The services of some of those who at one time had knowledge of the inner working of the system, and of others who had not, were secured. These men were employed in preparing after an approved fashion the reports furnished by business men who had been called upon for statements of their affairs by a few presentable and spruce young men, some of whom but a few years ago were more acquainted with bird-nesting than with the credit system of Canada. However, everything must have a start, and this continent is not lacking in examples of equal advancement. The new agency, which is said to have its head offices in New York, purposes issuing its Book of Ratings at the beginning of the new year, and the staff of clerks is meantime freely supinely awaiting the arrival of the books. The friends and others interested in the Toronto office have also been having an anxious period lately, and whisperings at the street corners have been indulged in, frequent

enough to wake the wish that "time travel faster" until the early days of 1903, when a rather better state of business must follow with the co-operation of substantial friends of the enterprise.

If, as is contended, the two old Agencies send each \$50,000 a year to their head-office after supplying them with reports of customers in Canada with very little in return besides collecting from us a million a year of debts for United States subscribers, it is not matter for wonder that ambitious young men should be found here to co-operate with another Richmond in the field already said to be firmly entrenched on the other side of the international boundary line. But a good deal of patience and money must be supplied ere the new enterprise is firmly established. As mentioned in a former notice, we believe there is room enough—that is, if the youngster is any improvement upon the old concerns—and this remains to be proven. It needs the right men for the business, men who will insist on a thorough organization, with paid correspondents, and equal to if not better than anything of the kind yet experienced in Canada.

POSTAL ANOMALIES.

The spread of education, so-called, has been extending so steadily and rapidly among the masses of the people in every civilized country for the latter half of the century recently expired, that it may truly be said that everybody nowadays reads "the papers." The sphere of the newspaper proprietor has been correlatively increasing, and the greater the influence, as in other spheres, the greater is the anxiety for other fields to conquer. The result is seen in the great number of newspapers subscribed for. No man is content with one paper—he is not allowed to be—but it is rarely that all are read or more than glanced at; indeed, there are some men so busy that they say they have not time to read. These men read by proxy. When such is the case it is not surprising that matters of more or less public importance may receive due attention in the press and yet be neglected by those who are most able to bring about necessary reforms or promote worthy improvements. We know a paper which has taken over thirty years to learn that the only way by which some people it wants to reach can be induced to read its articles is to send them "marked," or clipped and enclosed in a letter, to him who otherwise might in all probability never hear of the article prepared with so much trouble and goodwill. This is more especially so in the case of personal abuse—a class of writing which is not nearly as toothsome as it had become in the early days of Jeffrey and Macaulay, both of whom lived to regret their vigorous onslaughts on some of their contemporaries.

This neglect of what they ought to read on the part of men in place will doubtless account for the continued anomaly in postal arrangements between Canada and Great Britain. The subject was taken up last year by one of the ablest weekly journals in London, prompted by

utterances on this side of the ocean, and backed up by various Boards of Trade in Ontario and Quebec. It was pointed out that the discrimination in favour of United States newspapers and magazines as to postal rates was having a marked influence upon the opinions of the people of Canada, especially the young. It is made evident to everybody who steps aside from the main lines of travel everywhere in the Dominion that the youth of the country know more of the United States than they do of the motherland. Children in school being asked whence Boston, Halifax, Rochester, Baltimore, Hamilton and other cities derive their names, had never heard of such names except on the American continent. They were being educated at home and somewhat in schools by cheap periodical literature from the neighbouring republic, in an age when the newspaper is the great educator. Canada's honoured and most efficient High Commissioner, who was addressed from this office on the subject, expressed in his reply the hope that the "anomaly" would ere long be relegated among the things of the past.

During the entertainment given on board one of the river steamers last summer by the Board of Trade to members of the Press of Great Britain, such men as Mr. Lumsden, of the Leeds Mercury, who, by the way, has been furnishing the readers of that journal for weeks past with instructive and entertaining accounts of what he saw while here—could not credit that such a state of things was allowed to exist. He and they were not aware that our own Post Office Department is now, what it was in the beginning, and, we fear, shall be "in saeculo saeculorum"—that it will strain at a gnat and swallow a camel, that it will write letters for weeks over a message boy's use, once only, of one of their cotton sacks to protect himself or his little package when caught in a downpour of rain, instead of allowing it to remain folded up in his handcart, "ed hoc genus omne," at the same time that it tolerates waste in dead letter and newspaper transmission, and giving employment to time-worn political barnacles more fit for the pension office than active public service. There has long prevailed the belief that the man of wealth is better able to serve his country than he who has everything to gain and nothing to lose in the political field. It is to be regretted that there are no exceptions to the rule—that there are other things as eagerly desired as much gold.

Our attention has been directed to this subject again by some correspondence in a recent issue of the "London Economist." The writer says:—"A short time ago, when travelling in Canada I bought what I expected was a Strand Magazine, such as we are familiar with in London. On looking at it carefully, I found that, while the cover and appearance was exactly as the London edition, it really was published in New York, and was, no doubt, an American edition of the English magazine—full of American phrases and American advertisements. I went back to the bookseller, and said this was not the Strand Magazine as I knew it in England. He admitted that it was not, but said it was the English magazine, somewhat Americanized, and printed in New York. 'Why don't you sell the London edition?' I asked. 'Because,' he said,

'it costs a great deal more in Canada, the postage being so heavy from England. We have a cheap arrangement with the States,' he said, 'by which publishers of magazines and periodicals can post in bulk at the rate of one cent (one halfpenny) per pound weight. The American Post Office hands these bags to the Canadian Post Office, who open the bags and deliver the magazines to each addressee in Canada. An ordinary English magazine weighs about 12 ounces, and this is carried from New York to Vancouver and delivered there for less than one halfpenny. If the same magazine were posted in London for Vancouver the postage would be 3d. The London publishers get away from this high charge by printing a New York edition, and then they get the advantage of the New York cheap bulk postage rate, and as they get American advertisements for their New York edition, they are quite satisfied. I am looking at the subject in the interests of British trade generally, and I would like to see the Canadian business which results from the magazine advertisements coming to Britain; it must be considerable, and by the present arrangement America gets it all. In order to find out whether the Canadian Post Office would be willing to give the English Post Office the same cheap delivery that they give to the United States, I addressed the Postmaster-General of Canada upon the subject, and have just received his reply, which is as follows:—

Ottawa, November 11, 1902.

'My Dear Sir,—I have received yours of the 31st ult., with reference to the transmission to Canada of American editions of London magazines. The difficulty in the way of these magazines coming direct from the Mother Country is that the postage from the United Kingdom on this class of mail matter is so high. The remedy rests entirely with the Imperial Government, and was the subject of a motion made at the recent Imperial Conference in London, and is now receiving the careful consideration of your Government. Under the Postal Union each country retains to its own use all the postage collected in such country. Therefore, Canada is not concerned in the rate of postage from England to Canada, and we would be glad to have it reduced to the rate now prevailing from the United States to Canada. I presume you will make your views known to the Imperial Government. Yours sincerely, (Signed) Wm. Mulock, Postmaster-General of Canada.'

In transmitting a copy of this letter to the Postmaster-General of Great Britain, I wrote:—

'Dear Mr. Austen Chamberlain,—I have pleasure in submitting herewith copy of a letter just received from the Postmaster-General of Canada. I am aware that the disadvantage of English magazines being reprinted in America, with American advertisements, and then circulated in Canada has already been brought to your notice, and it has been pointed out that the loss of trade which might come to Britain if the advertisements were British must be considerable. Already the British Post Office by the adoption of the Imperial penny post has done much to increase communications with the colonies, and has thus, no doubt, fostered trade. If you could see your way to adopt the American rate of postage for magazines and such matter on its way to Canada, I am sure that you would not only do a good deal to increase the good feeling between the Dominion and the Mother Country, but you would add considerably to the volume

of British trade with Canada, and thereby earn the gratitude of the commercial classes of Great Britain. Yours truly, Chas. John Wilson.

To the Right Hon. Austen Chamberlain,
Postmaster-General.

My reason for troubling you with this correspondence is that, by inserting it in the *Economist*, you may lend your weight to this very desirable object, and be the means, perhaps, of interesting commercial bodies all over the Kingdom in a Post Office reform, which would have a widespread influence for good upon the commerce of our country. We are bound to believe that a very great many purchases are made because of advertisements seen in magazines, and if these British advertisements were circulated in Canada, Britain would derive the advantage which at present all falls to the United States.—Yours truly,—Chas. John Wilson.

Deanfield, Hawick, November 25th, 1902."

The instance quoted is not singular. The Nineteenth Century and After, the *Contemporary Review*, the *Fortnightly Review*, *Blackwood's Magazine*, the *Edinburgh Review*, the *London Quarterly*, the *Westminster* and many others, are issued in this manner by our enterprising neighbours, and subscribed for by libraries and men of culture—but none of those with a strong old-country flavour. The receipts from fly-leaf advertisements enable the publishers to sell cheaper than in England, for, save on the walls of railway stations, Americans are great believers in advertising. The English edition of the *Strand* sells in Canada for about equal to a shilling; the U. S. edition for about five pence.

That our kin beyond the sea have something in a small way to begin with in the matter is evidenced by the immense number of letters being returned to the Canadian writers because of exceeding the half-ounce limit. The limit to and from the U. S. is one ounce.

SOME CITY MATTERS.

The charter committee of the city is still busy considering what amendments are required to the new charter, which, when it was obtained, was expected to render any further application to the Quebec Legislature unnecessary—because the right and power for self-government was by that charter vested in the citizens of Montreal in all matters relating to the progress and welfare of the city. During its passage, and meantime, this *Journal* has frequently pointed out that it was not by any means a perfect measure, more especially as it relates to the methods for raising the revenue required for material improvements.

Among all the amendments that, within the last few weeks, have been suggested and considered by the committee, not one touches a point of real importance such as may justify the City Council in rushing again to the Legislature to incur the risk of having foisted into it, by the well-known crooked, devious ways, features that are not wanted, which could not fail to prove inimical to the general interests of the people. Montreal has suffered in this way before, and the experience should

prevent the possibility of a recurrence by seeking for such trivial amendments before the existent new charter has had a fair trial.

There seems to be a growing spirit among some of the Aldermen to return to the extravagance that characterized the City Council only a few years ago, with, as every citizen knows, such deplorable results that the city's finances have only now—after great difficulty—reached a respectable condition.

A few years ago the City Council ran wild in the direction of expropriations for street widening and for asphalt and other pavings that were to be permanent or to last for a few generations at least. Those were the chief factors that added so alarmingly to the city debt. In many of the expropriations the benefit to the streets is doubtful, and in some it is claimed by the unfortunate proprietors hard by as having a positively injurious effect on the values of their properties.

As to the so-called "permanent pavements," there is not one of these at present in a decently passable condition and they shall all have to be renewed ere long. At the time all these expenditures were going on they were quite popular, being supported by a factitious cry sustained by those interested in the expenditure of public money, regardless of the awakening and repentance sure to follow sooner or later. There is now an undercurrent at work to authorize the expenditure of several million dollars to pave all the streets in the city at once, and at the same time construct what is again called "permanent" sidewalks in them all.

Of course there will be plenty of advocates for all such large expenditures, but, we submit, that even if the moneys were available, it would be unwise to rush headlong into the business, or at all, until the citizens shall have learned what is the best material for what can reasonably and honestly be termed suitable and permanent paved streets or sidewalks. With the large revenue available next year and in future years, there is no need for rushing to borrow money by the million as proposed. If judiciously employed there will be next year as much to spare for the Road Department as it is capable of handling in one year, and the streets can then be put in good condition.

It is not surprising to find that the active members of the Real Estate Association have made representations to the charter committee protesting against any tendency to increase the taxes on real estate. It was pointed out to them by some of the Aldermen at the meeting that the tax on real estate is lower in Montreal than in other cities. The fact was overlooked, however, that the valuation placed on the property is as important a factor as the rate that is levied upon it. While the rate is lower in Montreal than elsewhere, the valuation is higher here compared with the market value than it is in other cities. It is a well-known fact that, as a rule, all improved property in Montreal is assessed fairly up to its full market value, and it is an exceptional case when any sale is made at a figure largely in excess of the city valuation. In Vaudreuil (Dorion) it is upwards of 50 to 100 per cent. over the value, but much depends upon the origin of the proprietor. In most cities valuation is based on from 60 to 70 per cent. of its market value, which, of course, makes a great dif-

ference when striking the rate! A notable instance of this is now in progress in the city of New York. Hitherto the valuation was made for the assessment of real estate on the basis of two-thirds of the market value, and the annual rate was made on that valuation. This year the city authorities gave instructions to the assessors to change the methods and value all real estate at the market value; consequently the rate to be struck next year will be proportionately less. We do not see that the change will confer material benefit, as the rate-payers will either way contribute the same amount of money. Still, in making a comparison in this matter with other places it is only proper to bear in mind that the level of valuation is as important a factor as is the rate on the valuation when discussing so touchy a question as the incidence of taxation.

THE CANADIAN BANK OF COMMERCE.

The statement just issued by the above bank in advance of the annual meeting to be held next month is the best it has ever placed before the shareholders.

The net profits amount to \$1,028,509, which is within a small fraction of 13 per cent. on the paid up capital. This sum provides for the two dividends at 3½ per cent. each, and leaves a balance of \$468,509; to this sum \$98,226 was added from profit and loss, which enabled \$500,000 to be transferred to the Reserve Fund, \$51,736 to be paid for improvements of bank premises, and \$15,000 to be added to the Pension Fund, after which there was \$152,821 left to credit of profit and loss.

The bank has now \$53,923,287 on deposit and loans for \$46,990,539.

The whole of the staff has received a bonus, which will be a very welcome Christmas box. Mr. B. E. Walker, general manager, has every reason to be highly elated at the remarkable progress of the bank, and Mr. Mathewson, manager of the Montreal branch may also be congratulated on the development of its business since he took charge.

A branch of the Bank has been opened at Gilbert Plains, Manitoba.

PROPOSE CHANGES IN THE U. S. CURRENCY SYSTEM.

Secretary Shaw, head of the Treasury Department, Washington, has just issued his report for the year ended 30th June last. He states the year's revenue to have been \$684,326,280, which equals \$8.66 per head of the entire population. There was a surplus of \$91,287.

There was \$215,000,000 received in gold for Customs duties, which, according to latest returns, remains on hand, a large portion of which stock of gold is stored in the Treasury vaults when it is grievously needed by the country to enlarge the currency and the resources of the banks. The number of silver dollars outstanding in the States is now 550,000,000; they are worth, says the Secretary, "only 40 cents each," so that the redemption of this enormous mass of debased coins would in-

volve a loss to the Treasury of \$330,000,000. Yet, though worth so little, these coins are legal tender for the Government at par, and there is no power to compel them to be redeemed in gold, or more acceptable money. National bank notes are secured by a special deposit of Government bonds, the principal and interest of most of which are payable in gold, but the notes themselves are payable in "lawful money," which includes irredeemable silver dollars worth 40 cents each and 60 cents "fiat." "Fiat" in this case means wind.

The Secretary estimates that of the various forms of currency of the States the aggregate "unprotected fiat" is \$565,000,000. All current obligations of the Government, all contracts between citizens, all bills of exchange payable in United States money are dischargeable at the option of the payer, except when otherwise specified, in money coined for the Government, the bullion in which is worth less than 40 cents on the dollar. This condition is not generally realized by the public, or by creditors of the United States.

The Secretary of the Treasury, however, believes that the Department would be in less danger with an express provision for the exchangeability of gold and silver than under present laws. He sees there being grave financial danger in the country having 550,000,000 silver dollars held or in circulation, which are only worth \$220,000,000. He considers that, if all forms of money were made the equivalent of gold, that is, put on a good basis, then all occasion for hoarding one coin more than another would vanish and the danger to the Treasury would be decreased. Were the exchangeability provided for of gold and silver, he thinks that National bank notes might be made payable in gold. His remark is sound, "It would be unjust as well as illogical to require banks to redeem their notes in gold, so long as legal-tender silver remains irredeemable and unexchangeable. There can be no valid reason, legal, economic or equitable, why the government should not redeem in gold all its own obligations, whether paper or silver." It is certainly an element of financial risk for any country to have so enormous a mass of silver coins in use which are worth less than 40 cents in the dollar. British silver coins are worth less than their face denomination, but they are not a legal tender for any sum over \$50; whereas American 40-cent dollars are a legal tender for any debt, however large. The Secretary evidently favours the gradual redemption of the silver dollars, and making them exchangeable for gold.

The American banking system he regards as "imperfect," which, to us in Canada, seems a mild phrase, as in some features it is crassly foolish. He hits the nail on the head in the following sentences:

"The frequent purchases and retirement of bonds renders the amount available for circulation gradually less, while a rapidly growing population, additional banking facilities and expanding trade suggest the need of an ever increasing circulation. The time has arrived when it will be necessary to adopt one of two policies: either the Government debt must be perpetuated as a basis for National bank circulation and additional bonds issued as

occasion may require, or some other system must be provided."

At present, while the business of the country is needing a greatly enlarged circulation, the Government is reducing the extent of the bonds upon which the increased circulation can alone be issued! This is like making a reservoir smaller in proportion to the increased demand for water. Surely such a system is a financial absurdity. Secretary Shaw in his report declares that, more circulation is needed, but that outstanding Government bonds are inadequate to secure it, even if their market value should justify the banks buying them to get out more notes.

He proceeds to say what we quote verbatim in full to give an exact idea as to his views:

"I see no objection to the issuance of circulation based upon general credits, if properly safeguarded. Neither do I believe it necessary to make currency thus issued a first lien upon assets. A very small tax upon circulation would be sufficient to cover any possible loss. The Government Actuary has demonstrated that a tax of $\frac{1}{8}$ of 1 per cent. upon circulation would have covered all loss from the beginning of our National banking system to the present time, had each bank maintained its limit of circulation. Instead of calling this a tax, suppose it be called 'premium on insurance,' and the Government the 'underwriters.' The banks could be required to redeem their circulation at reserve cities and the Government would never suffer injury or embarrassment as an insurer against ultimate loss. When thus guaranteed and primarily redeemed by the Government at the expense of the bank of issue, currency based on general assets would be as acceptable and as secure as the present National bank notes based on specific assets."

He doubts the wisdom of limiting a bank's circulation to its paid up capital, in which view he will have the support of eminent authorities. He seems afraid of sudden expansions of currency, but, when the demand is sudden, as it is every Fall, and the notes issued are redeemable in gold, where is the danger? The danger to banks is not in the suddenness of their note issues expanding, but of imprudent loans. If their loans are sound they may be enlarged suddenly with safety, but if unsound even slowness in making them will not prevent losses.

The Secretary winds up his very interesting and able report by expressing himself to be in favour of Government bonds being deposited more freely with banks so as to increase their loaning resources, especially during and after harvest times, when there is a very heavy demand for money. It was a sorry spectacle last Fall to have the whole business of the United States in a state of disturbance bordering upon panic because money was so scarce as to be fetching exorbitant rates, even as high as 40 per cent., when all the time the vaults of the Treasury held hundreds of millions of gold and silver that were being needlessly hoarded.

THE ST. LOUIS (MO.) BOODLE-GANG.

Although not by any means an agreeable subject for contemplation, it is in a sense gratifying to all who are striving to check the onward course of municipal degeneracy in the management of the cities of this continent,

to watch the proceedings in the criminal courts which the city of St. Louis has been compelled to take in order to deal condign punishment to those city fathers and others who so shamelessly took advantage of their positions to systematically defraud their fellow citizens—as already explained in these columns.

It is not pretended that St. Louis is worse, or lower in the depths of municipal corruption, than some other cities on this continent, but it so happens that at this conjuncture the buyers of city franchises had become so bold in their dealings with the solid nineteen majority in the municipal government that a quarrel following the distribution of the plunder caused an explosion that brought the vile system to light.

Public indignation was roused to activity, and the faithful officials have prosecuted both the bribers and the bribed with such success that already some eight or nine individuals have been convicted and condemned to the penitentiary. Among them are three of the wealthy men of the city, who were convicted of bribing the aldermen.

The work is moving along merrily but the end is not yet. The stable is not yet clean. St. Louis is to be congratulated on its success in the purification of its municipal system, and other cities will doubtless reap the benefit of its example and likely keep a closer watch on doings in their own localities as a consequence.

BANK OF OTTAWA.

The report of this strong and thriving bank reaches us too late for more than a brief notice.

The profits last year were \$298,594, which is 14.92 per cent. of the capital. After paying two dividends of $4\frac{1}{2}$ per cent. each, there was enough left to transfer \$100,000 to the Reserve Fund, which now amounts to \$1,765,000.

A new issue of stock will be made next year to meet the growing business which, under Mr. George Burn's management, has gone on advancing in extent and profitability to a remarkable degree.

—The incorporation in New York State of the Niagara Transfer Company, of Buffalo, to construct a steam railroad between Tonawanda and Buffalo, says a dispatch from the latter city, and the application filed at Ottawa by the Niagara Grand Island Bridge Company for any extension of time in which to complete its works, taken in connection with the fact that Canadian engineers have been making a survey of the land on the Canadian side of Niagara River, opposite the north end of Grand Island, have given rise to many rumors. It is stated that a western road will seek entrance to Buffalo through the province of Ontario. That a new bridge will be built across the Niagara River at Tonawanda and that the Niagara Transfer Railway will be the connecting link with an eastern road. A special to the Express from Tonawanda says: The Niagara Transfer Railway will connect with a road which the Northern Pacific contemplates building across Grand Island to Tonawanda.

WHAT CANADA BUYS—(22).

We continue publication of a list of the goods imported by our own people during the fiscal year ended 30th June, 1901, with the view of affording information to those of our friends abroad, who may be desirous of opening up or extending business in Canada. This alphabetical list, compiled from the Customs returns, is unavoidably voluminous and will probably run through the greater portion of the "Journal of Commerce" for the current half-year; but it should prove most valuable to

manufacturers in the United Kingdom and their representatives who would avail themselves of the advantages offered under our Differential Tariff which, it may be seen, allows one-third off the ordinary duty on goods of British manufacture exported to Canada. Any information which, alphabetically, must recur later on in our tables will be furnished meantime on application to the office of the "Canadian Journal of Commerce," Montreal:

DUTIABLE GOODS—(Continued.)

Countries.	ARTICLES IMPORTED.		ENTERED FOR HOME CONSUMPTION.					
	—Total Imports—		General Tariff.			Preferential Tariff.		
	Quantity.	Value.	Quantity.	Value.	Duty.	Quantity.	Value.	Duty.
Earthen and Chinaware—White granite or ironstone ware, C. C. or cream colored ware—								
Great Britain		217,418		1,239	371.70		184,730	36,946.00
Austria-Hungary		544						
China		72		72	21.60			
France		1,864		972	291.60			
Germany		2,544		2,239	671.70			
Japan		47		47	14.10			
United States		4,427		4,427	1,328.10			
Total		226,916		8,996	2,698.80		184,730	36,946.00
China and porcelain ware—								
Great Britain		99,868		9,151	2,745.30		89,598	17,919.60
Hong-Kong		422		422	126.60			
Austria-Hungary		9,220		10,177	3,053.10			
Belgium		8		8	2.40			
China		2,003		1,778	533.40			
Denmark		296		296	88.80			
France		37,474		38,086	11,425.80			
Germany		150,054		145,172	43,551.60			
Holland		42		42	12.60			
Italy		241		241	72.30			
Japan		16,639		16,321	4,896.30			
United States		19,826		19,715	5,914.50			
Total		336,093		241,409	72,422.70		89,598	17,919.60
Earthenware tiles—								
Great Britain		3,521		162	56.70		4,039	942.17
Belgium		140		140	49.00			
France		409		409	143.15			
Germany		513		513	179.55			
United States		29,081		29,150	10,202.50			
Total		33,664		30,374	10,630.90		4,039	942.17
Manufactures of earthenware, N.E.S.—								
Great Britain		136,933		2,330	699.00		132,899	26,579.80
Austria-Hungary		287		251	75.30			
China		211		211	63.30			
Denmark		26		26	7.80			
France		10,560		8,132	2,439.60			
Germany		12,017		11,937	3,581.10			
Holland		129		129	38.70			
Italy		63		63	18.90			
Japan		3,458		3,395	1,018.50			
Mexico		16		16	4.80			
United States		61,039		61,379	18,413.70			
Total		224,739		87,869	26,360.70		132,899	26,579.80
	Doz.		Doz.					
Eggs—								
Hong Kong	4,670	277	4,670	277	140.10			
China	11,433	777	11,433	777	342.99			
United States	937,772	193,468	935,642	193,134	28,069.29			
Total	953,875	194,522	951,745	194,188	28,552.38			

DUTIABLE GOODS.—(Continued.)

Countries.	ARTICLES IMPORTED.			ENTERED FOR HOME CONSUMPTION.				
	—Total Imports—			General Tariff.		Preferential Tariff.		
	Quantity.	Value.	Quantity.	Value.	Duty.	Quantity.	Value.	Duty.
Elastic round or flat, including garter elastic—								
		\$		\$	\$		\$	\$
Great Britain .....	.....	64,358	.....	471	164.85	.....	64,047	14,944.45
France .....	.....	1,860	.....	1,895	663.25	.....	.....	.....
Germany .....	.....	584	.....	584	204.40	.....	.....	.....
United States .....	.....	12,738	.....	12,725	4,453.82	.....	.....	.....
Total .....	.....	79,540	.....	15,675	5,486.32	.....	64,047	14,944.45
Electric light carbons and carbon points of all kinds, N.E.S.—								
	M		M			M		
Great Britain	1	1	.....	.....	.....	1	1	0.24
German	121	1,543	121	1,543	540.05	.....	.....	.....
United States	11,230	23,351	11,212	23,223	8,128.05	.....	.....	.....
Total	11,352	24,895	11,334	24,766	8,668.10	1	1	0.24
Electric light carbons over 6 inches in circumference—								
	No.		No.					
Great Britain .....	.....	.....	4,009	387	58.05	.....	.....	.....
United States	45,572	6,989	45,235	6,770	1,015.50	.....	.....	.....
Total	45,572	6,989	49,244	7,157	1,073.55	.....	.....	.....
Electric apparatus, N.E.S., insulators of all kinds, etc.—								
Great Britain .....	.....	4,629	.....	1,305	326.25	.....	3,634	605.71
B. W. Indies .....	.....	10	.....	.....	.....	.....	.....	.....
France .....	.....	1,071	.....	1,071	267.75	.....	.....	.....
Germany .....	.....	4,130	.....	3,428	857.00	.....	.....	.....
St. Pierre .....	.....	25	.....	.....	.....	.....	.....	.....
United States .....	.....	592,447	.....	574,728	143,682.00	.....	.....	.....
Total .....	.....	602,312	.....	580,532	145,133.00	.....	3,634	605.71
Electric motors, generators, dynamos and sockets—								
Great Britain .....	.....	97	.....	97	24.25	.....	.....	.....
United States .....	.....	286,948	.....	286,848	71,712.00	.....	.....	.....
Total .....	.....	287,045	.....	286,945	71,736.25	.....	.....	.....
Embroideries, N.O.P.—								
Great Britain .....	.....	20,026	.....	10,785	3,774.75	.....	9,717	2,267.39
Austria-Hungary .....	.....	433	.....	433	151.55	.....	.....	.....
France .....	.....	6,563	.....	6,307	2,207.45	.....	.....	.....
Germany .....	.....	6,621	.....	6,621	2,317.35	.....	.....	.....
Japan .....	.....	736	.....	736	257.60	.....	.....	.....
Switzerland .....	.....	15,065	.....	14,808	5,182.80	.....	.....	.....
Turkey .....	.....	267	.....	267	93.45	.....	.....	.....
United States .....	.....	8,031	.....	6,905	2,416.75	.....	.....	.....
Total .....	.....	57,742	.....	46,862	16,401.70	.....	9,717	2,267.39
Emery wheels and manufactures of emery—								
Great Britain	647	32	8.00	615	102.50
United States	22,158	22,158	5,539.50
Total	22,805	22,190	5,547.50	615	102.50

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The Directors of the above named companies (at Spennymoor, Yorkshire, England), comprising Sir Christopher Furness, M.P. (Chairman); Mr. Walter Scott, Mr. J. E. Rogerson, Mr. H. W. Hollis, Mr. J. S. Barwick, Col. H. F. Swan, C.B., and Mr. E. Lloyd Pease, met at the works of the Cargo Fleet Iron Co., Ltd., on Thursday, the 27th ultimo, and spent the whole day inspecting the extensive new works in progress there. These consist in a new coke-making plant complete, with coal washing and compressing machinery and by-products plant.

The coke will be automatically conveyed to the furnace and charged into it by machinery.

The furnaces are being equipped on the American system of charging by a skip travelling up an inclined way, and the blast will be provided by gas engines driven by furnace gas.

Molten metal will be taken from the furnaces to the steel shop, where it will be converted into steel by the Talbot process. From there it will be delivered in the form of ingots to the mills, which will largely consist of machinery removed from the Tudhoe Works, Spennymoor.

The details of the steel melting shop are under the control of Mr. Talbot, and the furnace and mill departments are under the control of Messrs. Julian Kennedy, Sahlin & Co., the well-known American specialists.

The works will make use of the best appliances known in the science of steel making, and will obtain all the advantages of the large mineral resources of the two companies both in Cleveland and Weardale.

MONTREAL DRYGOODS CONCERN IN TROUBLE.

Pulling away from an old location, even though it has disadvantages as to space, appearance, etc., has many times proved disastrous to business which had been before favorably sustaining.

In an unpretentious little store on St. Lawrence street, Montreal, Aaron Poyaner took in for a number of years the nimble shakels which were wont to speedily roll his way for more reasons than one. He believed in buying goods as cheaply as possible, thereby making them, as it were, sell themselves, and so well did he succeed in his purchases that at any hour of the day or evening might be seen eager callers filling his shop and selecting of their own free will from heaps of "job" goods, remnants of fire stocks, bankrupt sales goods, etc., which were strewn promiscuously on counters, shelves, boxes, chairs, floor or

wherever they could be inspected. The appearance of the windows counted not.

Like the man of much money, outward appearances were not altogether required. Retailers, too, came early and often, finding in this unpretentious hive bargains beyond which regular wholesale stocks might often produce. Mr. Poyaner was a busy man, and when the day came regularly around, which, according to the custom of his forefathers, he kept holy until the dim shades of evening had sway, it was not unusual to see a throng of eager purchasers awaiting the turn of the key.

But last spring, after a hardware firm had proved unable to successfully occupy a double store a little further south, Mr. Poyaner decided to move there, for it would give him the space, the broad windows, the admittance for the crowd and the necessary room to show his wares. This step proved fatal. Comparatively unknown before, and with his own help, he was not viewed by the "street" as a competitor. Now it was different. Outside help, heavy rent and competition told on the business and the assignee has now possession.

It is to be hoped Mr. Poyaner may so arrange as to re-enter business, for a man of his keen insight and acknowledged ability should not be kept on the outside merely because, as in the case of many another, his ambition impelled him to take a step in the wrong direction.

DAIRY PRODUCE.

A private London circular date Nov. 28, treating of the dairy produce situation, says:—Butter.—The dry, cold weather with biting North-east winds with which we were afflicted last week, has been succeeded by moist, misty, rainy climatic conditions which are very unfavorable to the food demands for all kinds of fatty goods. Canadian butter is finding an improved demand, and prices have advanced 2s per cwt. on the week. Business also is very much improved in amount, as retailers who are looking for a good shilling butter discover that they have to trust very largely to Canadian. The imports from Canada for the week ended 22nd November amounted to 8,574 cwts. "Choicest" Canadian brands are realizing 104s to 106s, with a few saltless at 108s. "Finest" brings 98s to 102s. Inferior brands may be bought at 96s.

The shipments of Australian butter become less in quantity week by week. The "Orizaba" left Melbourne last Tuesday with only 641 cwts. on board, against 17,784 cwts. in the corresponding week of last year. This week's shortage of butter, of over 17,000 cwts., demonstrates the terrible effects of the droughty condition of the Commonwealth, and must destroy all hopes of any large amount of Australian butter reaching this country during the present

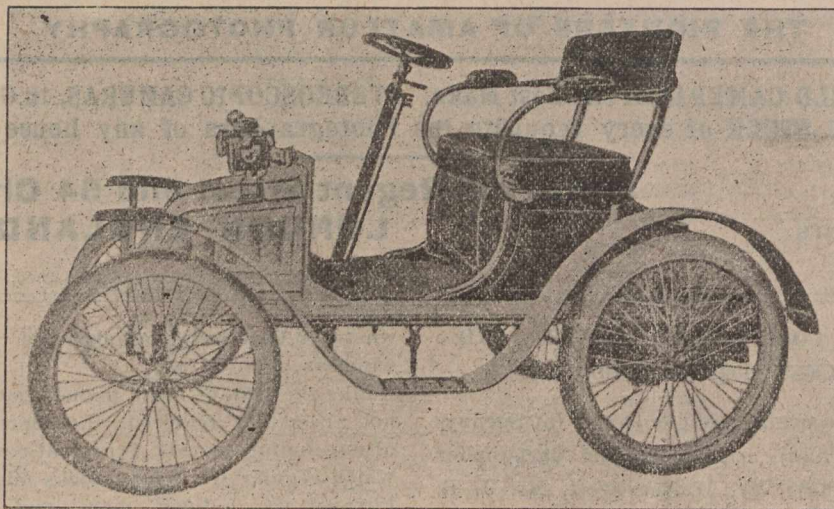
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season. Shipments to date from Australia are 4,761 cwts., against 98,506 cwts. last season; arrivals to date are 29 cwts. (sent specially to the Dairy Show), against 17,536 cwts. last year (which was a very deficient year) and 72,682 cwts. the previous year. With a firm market in Denmark the Copenhagen committee has raised the official quotation by 2 kroner, and it now stands at 101 kroner against 100 kroner for the corresponding week last year. It will be noticed that the imports from Denmark last week were 35,428 cwts., against 23,000 odd for each of the two previous weeks, which shows that the Danes have been keeping back their butter ever since the quotation was lowered three weeks ago.

Cheese.—The recent rise in Canada has had a considerable restrictive effect upon the demand, and it seems probable that in the near future c.i.f. quotations will show a weakening tendency, whatever may be the price on the spot market. Quotations: Choicest, 59s to 60s; finest, 56s to 57s. Corresponding week, 1901, choicest 45s to 47s, and finest 43s to 44s.

Cheese and Butter Stocks in Canada.—It may be of interest just now to examine the question of the amount of cheese and butter held in Canada for shipment before the end of April next. Very little cheese or butter for export will be made after this date. To estimate these stocks it is well to consider the cheese and butter in their raw state as milk, and on this basis Canada sent to this country for the last three years ending April 30, the following amounts of milk. In 1900, about 987,000 tons; in 1901, about 928,000 tons; and in 1902, about 1,045,000 tons. Assuming that the boxes of cheese average 80 lbs. each, and boxes of butter 56 lbs. each, then we have received up to 1st November this year, 61,900 tons of cheese, and 10,800 tons of butter. Converting these amounts into milk they represent 619,000 tons of milk as cheese, and 270,000 tons of milk as butter, or a total of 889,000 tons of milk against an import of 1,045,000 tons last year, hence, on the basis of last year,

there is 156,000 tons of milk to come between 1st November, 1902, and 30th April, 1903. Owing, however, to the excellent pastures this year, it is fair to add 10 per cent. increase for the milk production, which gives a total of 260,500 tons of milk to arrive either as cheese or butter. Again, assuming that these articles will arrive in the same proportion as hitherto this season, then there are 18,138 tons of cheese and 3,164 tons of butter due between 1st November and 30th April next. It thus appears that on the 1st November there were in Canada or afloat to the United Kingdom about 508,000 boxes of cheese, and 126,500 boxes of butter. Since then up to last Saturday, 276,670 boxes of cheese and 62,800 boxes of butter have been imported, leaving about 230,000 boxes of cheese and 63,700 boxes of butter to come forward before 30th April, 1903.

CONDITIONS RE OPENING OF CHARTERED BANKS.

In reference to a paragraph taken from a Winnipeg letter, which appeared in our issue of the 5th instant, to the effect that a new bank is to be established in the West, and which the writer stated would be ready for business in May next, a subscriber at Trenton, Ont., writes:—Section 15 of our Bank Act says "Certificate from Treasury Board permitting a bank to do business shall not be given except within one year from passing of Act of Incorporation." The bank referred to will hardly be ready for business in May.

—Charles Carter, the bogus check swindler, was sentenced at Kingston to seven years' imprisonment in the penitentiary.

Telegrams :—Theorem Patricroft, Codes :—A. B. C. 4th Edition and Engineering.

The Gardner Oil & Gas Engines, L. GARDNER & SONS LIMITED.

Patricroft, Manchester, England.

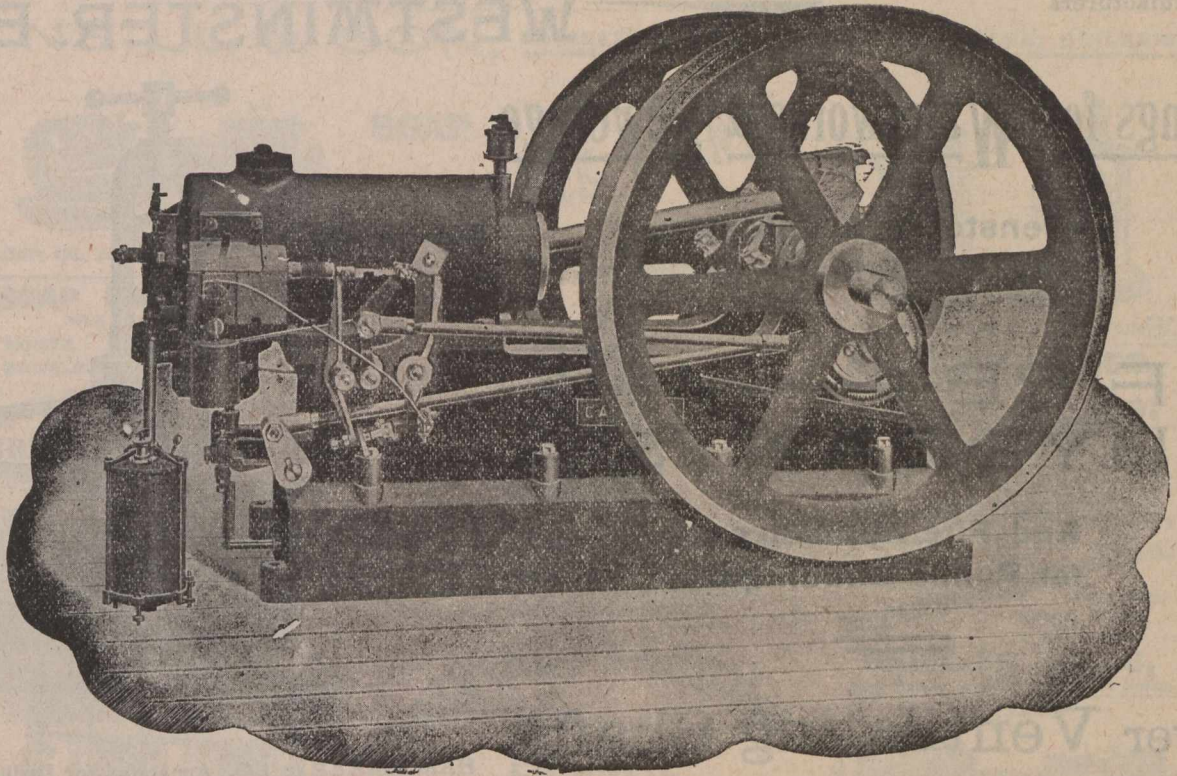


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LONDON OFFICES AND SHOWROOMS,**87 QUEEN VICTORIA STREET, E. C.****CHEMICALS.**

A private Manchester, Eng., circular, date Nov. 29, says: This has been a better month; the trade is looking brighter, and more disposition is shown to depart from the hand to mouth policy that has so long been general. Some articles have improved a little in value, and this of itself has stimulated enquiry. A little more definiteness in the outlook, and a little more confidence, might soon cause enquiries to come forward more freely, and make a difference in a number of articles that are now at interesting levels. Buyers will, however, probably only slowly relax their caution, as improvement can only be expected to come slowly. The heavy alkali trade is in fair condition. Bleaching powder is rather firmer for next year, such large quantities having been sold; spot prices are steady, but orders are naturally small, prices for this year being so much higher than for next. Caustic soda has been selling more freely for next year; some makers are now off the market and the position is better, but quotations are unchanged. Ammonia soda, soda crystals and bicarbonate are all steady. Chlorates of potash and soda are again lower, and are very dull, although so exceedingly cheap. The exports of bleaching materials and soda compounds during the ten completed months of this year as compared with the corresponding period of 1901, show respectively a decrease of 3,516 tons or £40,942, and an increase of 23,267 tons or £133,533. Acetates of lime have had more enquiry, and are firmer. Foreign white acetate of lead is £1 per ton dearer, and is very scarce on spot; other lead salts are steady and in fair demand. Sulphate of copper has plenty of enquiry, but buyers are wanting lower quotations; a good business could be done at a moder-

ate reduction on current figures. Carbonate of potash has during the last fortnight taken a sudden turn and has advanced strongly, with the result that buyers are now freely putting forward their enquiries; caustic potash also is rather firmer and has better prospects. Bichromates are steady; makers are busy with current orders and are not caring about selling forward. Prussiates are dull, but values do not recede, being already very low. Arsenic is less freely offered, and is bringing better prices. Oxalic acid has advanced, makers having come to an understanding. Borax is firm at the advance. Tar products are moving well. Benzole is in good demand for gas enriching, and for this purpose better prices are obtainable. Solvent naphtha consumers continue to take deliveries more freely, and the market is steadier. Creosote is firmer, and a good business has been passing at advanced prices. Pitch continues firm, and high figures have to be paid for spot delivery, but there is less disposition to buy forward. Crude carbolic remains steady, with a moderate trade passing. Sulphate of ammonia, after falling away, is again steadier.

NEW BRANCH BANKS.

The Traders' Bank will open a branch at Owen Sound, Ont.—The Imperial Bank of Canada has opened a branch at Cranbrook, B.C.—The Bank of Montreal has opened a branch at Collingwood, Ont.

—The Pacific cable in connection with the Canadian Pacific telegraph opened for business on the 8th instant. The rate from Canada to Australia and New Zealand is 58 cents per word.

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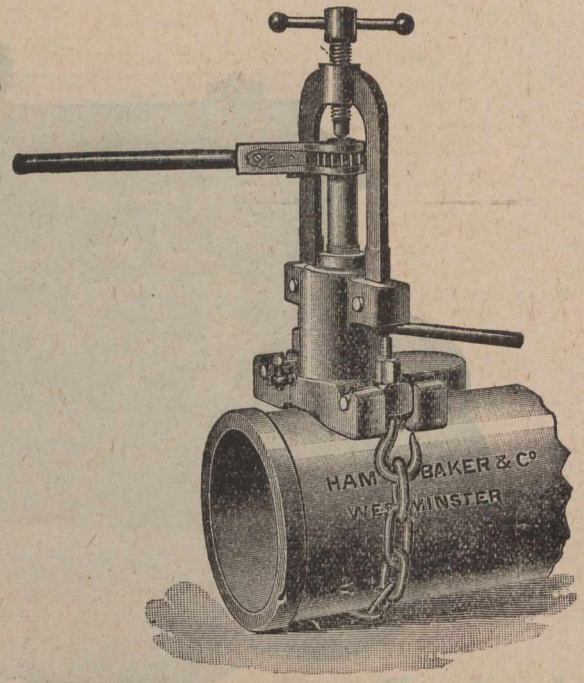
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HAM, BAKER & CO., Apparatus for Drilling and Tapping Water Mains under Pressure & Making Connection without Turning Off Water.

Price F. O. B. London or Liverpool, - £10-10-0.

LEGAL RECORD

The following is a record of transactions and cases in our Canadian courts of law, comprising Writs Issued and Judgments Rendered for sums of \$300 and upwards (Montreal, from \$175 and upwards), and Chattel Mortgages and Bills of Sale (for sums of \$550 and upwards), as taken from the public records. It will be understood that the actions or items do not necessarily affect the credit and soundness of the persons or concerns named, as they may have been paid or otherwise settled, and that good defence may exist in case of writs, etc.:

WRITS ISSUED—ONTARIO.

Belmore—J. A. Bell Engine Co. vs David Weir \$816; Ben-tinck Tp—Henry Redford vs Thos. Redford \$1,133; Erin Tp—Annie McKinnon vs E. T. and Mary Mand \$530; Guelph—R. R. Reynolds et al vs Emil Braun \$500; Hamilton—W. D. Long vs J. A. McPherson \$107,878; Toronto—Real Estate Loan Co. vs J. S. Hatton et al \$5,317; Metallis Roofing Co. vs Mackenzie, Mann & Co. et al \$9,933; C. and R. Corbett vs W. J. Lawrence \$1,200; J. J. O'Hearn vs G. P. Magann \$346; Cornwall—N. Turner & Son vs D. B. Ross Co. \$305; Fort William—Ellen Moynough vs James Sillis \$1,018; Kingston—B. M. Britton vs C. L. Curtis \$710; J. Mills vs Oram and Carter \$5,000; Kinmount—Thibaudeau Freres & Co. vs Mary Mansfield \$624; London—Radford Paper Co. vs Adam Beck et al \$431; Milverton—The Dennis Wire & Iron Works vs Acetylene Manfg. Co. et al \$634; Oakville—Corpn. of Oakville vs Geo. Andrew \$9,000; Ottawa—Bank of Ottawa vs John Shore & Grant Bros. \$325; Sault Ste. Marie—R. S. Broughan vs Isabella Taylor \$475; Toronto—J. Brand & Co. vs Parkdale Cigar Co. \$432; Miller, Riddell & Levesconte vs A. R. Riches \$350.

WRITS ISSUED—BRITISH COLUMBIA.

Cranbrook—Jas. Ryan \$433; White Horse—J. C. Morton & Co. \$479.

JUDGMENTS RENDERED—ONTARIO.

Hamilton—W. D. Long agt J. A. McPherson \$107,909; Ottawa—Blackader & Co. agt McRae & Co. \$1,742; Valleyfield—H. G. Smith agt Frank Leduc \$676; Warton—Ainsley McGraw agt C. F. Campbell \$682; Fitzroy—A. Armstrong agt Estate Dan. McLaren \$532.

JUDGMENTS RENDERED—QUEBEC.

Longueuil—P. Z. St. Marie agt E. A. Barton \$562; Montreal—L. Masson agt De M. Anna Gingras et vir. \$212; Mackay Institute agt De Ellen Kirkpatrick \$6,000; Westmount—J. H. Rainville agt Gaston Boissonnault et al \$352; Cote St. Antoine—H. Bouche agt Wilfrid Marsan et al \$2,378; Montreal—J. Kaplan & Bros. agt Alex. Herschfield \$293.

JUDGMENTS RENDERED—NOVA SCOTIA.

Berwick—Mrs. Mina B. Parker \$403; Pictou—Cann & Wetmore \$446.

JUDGMENTS RENDERED—P. E. ISLAND.

St. Peters—W. D. Coffin \$6,027; Summerside—D. Rogers & Son \$737 and \$1,077.

EXECUTIONS—QUEBEC.

Montreal—De A. Content et vir agt A. Desjord \$183; J. W. Shaw et al agt J. F. Fair \$557; L'Inst. Cath. Sourds

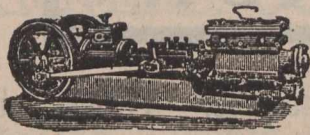
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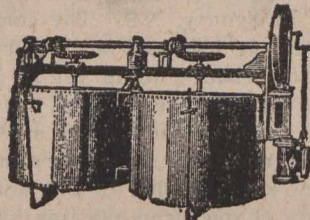
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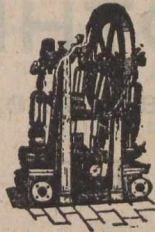
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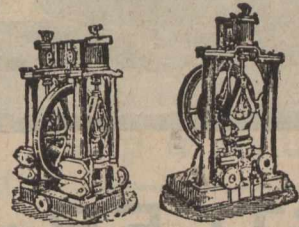
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BRASS AND IRON CASTINGS
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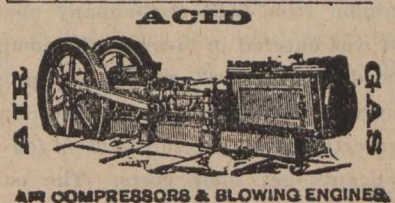
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Special Prices to Canadians under the new Tariff

Muets agt A. Simard \$220; L. Boudrias agt J. B. Hoboux \$192; Mary A. Bradshaw agt L. W. Lapham \$276; W. Kavanagh agt De M. Quinn \$1,605.

CHATTEL MORTGAGES—ONTARIO.

Blyth—John Deholme to McMurchie & Rance \$1,300; Brockville—T. R. Bach to Orme & Son \$1,267; Carleton Place—John Nolan to T. Miller \$775; Charlottenburg Tp—Chas. Parisien to Margt. Grant \$872; Gananoque—H. W. Morris to J. A. Acton \$745; W. E. Stevens to W. Hall \$2,510; Kincairdine—J. F. Sixsmith to J. Armitage \$1,250; Luknow—John Wood to J. H. Chisholm \$1,050; John Wood to J. H. Chisholm \$1,944; Midland—Turner Lumber Co. to Bk. of Toronto \$223,633; Ottawa—Anna and Adolph Thoburn to J. McKellar \$3,192; Toronto—W. H. Andrew to J. A. Thompson \$1,000; J. E. Bright to G. R. Geary \$2,500; Arthur—John Anderson to G. Broddy \$200; Bertie—S. H. Tripp to W. Krafft \$900; Mount Forest—Miss F. E. J. Hampton to J. Lennox \$1,012; C. A. Herman to Randall & Roos \$1,035; Murray Tp.—W. M. Ruttan to C. G. Ruttan \$588; Orford Tp.—Matthew Driver et al to S. B. Morris \$1,543; Port Perry—Thos. Cook and wife to W. Kennedy \$648; Sarnia—T. H. and Mrs. L. Bastla to W. C. Dillon \$1,400; Jos. Ellison to W. C. Dillon \$900; Stouffville—G. R. Duncan and J. F. Aitken to W. J. Stark \$2,224; Tilbury E. Tp.—W. A. McLeod to A. Graham \$611; Toronto—J. E. Kaiser and wife to Toronto B. & M. Co. \$5,111; J. E. Kaiser and wife to Toronto B. & M. Co. \$4,640; Whitby—

Wm. Newport to E. Hart \$1,335; Windsor—Sandwich Windsor & Amherstburg Ry. to National Trust Co. \$600,000.

CHATTEL MORTGAGES—BRITISH COLUMBIA.

Cranbrook—G. R. C. Taylor \$712.

CHATTEL MORTGAGES—MANITOBA & N.W.T.

Crystal City—O. E. Jory \$975.

BILLS OF SALE—ONTARIO.

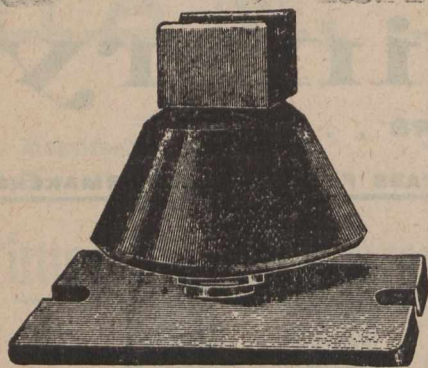
Hamilton—Frank Howe to Isabella Howe \$800; Kincairdine Jas. Armitage to J. E. Sixsmith \$1,700; Lockiel Tp.—J. J. McDonald to V. McDonald \$800; Toronto—J. A. Thompson to W. H. Andrew \$3,900; Wellsburg, Va.—W. H. Bradley to G. R. Bradley \$605; Dundas—T. Compant to W. N. Braund \$4,375; Hagarty Tp.—Annie McGuire & Co. to M. T. O'Brien \$865; Kingston—Geo. Cliff and wife to Sarah J. Cliff \$1,468; Owen Sound—Thos. Levins to W. McClarty \$2,800; Sarnia—Wm. Hendrie to T. H. Bastla \$1,500; Toronto—W. B. Markle to S. C. Heston \$1,322.

BILLS OF SALE—BRITISH COLUMBIA.

Vancouver—Nelson-MacPherson-Sutherland Drug Co. \$3,938; Nelson-MacPherson-Sutherland Drug Co. \$2,050.

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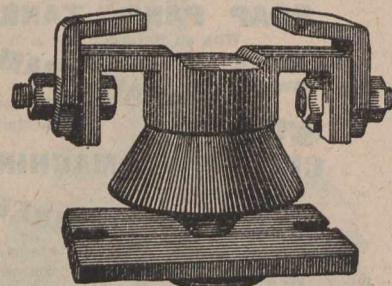
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Strong. Durable. Non-Hygroscopic. Perfect Insulation.

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Cannon St., LONDON, E.C., Eng.



Special Terms to Canadians under the New-Tariff.

—Two important judgments were delivered in the Exchequer Court recently. In the petition of right of the Dominion Iron & Steel Company against the King judgment was entered in favor of the company for the amount claimed, viz., \$196,967, and leave was given to either party to move for an order to have an account taken, the amount so ascertained to be substituted for the said sum. The supplicants get their costs. The case arises upon the construction of the Dominion act authorizing the Governor in Council to pay bounties "on steel ingots, puddled iron bars and pig iron made in Canada—that is to say, on steel ingots manufactured from ingredients of which not less than 50 per cent of the weight therein consists of pig iron made in Canada, a bounty of \$3 per ton; on puddled iron bars manufactured from pig iron made in Canada a bounty of \$3 per ton; on pig iron manufactured from ore, a bounty of \$3 per ton on the proportion produced from Canadian ore, and \$2 per ton on the proportion produced from foreign ore." The company have four blast furnaces for mak-

ing pig iron, and ten open hearth furnaces for making steel at their works in Sydney, N.S. The company, like most manufacturers of pig iron and steel to-day, use the product of their blast furnaces, while yet in a liquid or molten state for the manufacture of steel, the hot metal being taken from the blast furnace to the steel mill. A question having been raised by the Government as to whether the company were entitled to the said bounties as for the manufacture of steel from pig iron, the bounties were withheld, pending the direction of the Exchequer Court. Judge Burbidge holds in effect that the term "pig iron" includes that in a liquid or molten state as well as in its solid form.—Dominion against Ontario.—By the award of the Board of Arbitration in the matter of the disputed accounts between the Provinces and the Dominion of Canada on the 1st of August, 1900, the sum of \$1,815,848 was found to be due by the Province of Ontario to the Dominion of Canada. A question of the interest payable having arisen, a special case was started in the Exchequer Court. The Dominion contended that interest should be computed half yearly from and after January 1, 1893. Ontario, on the other hand, claimed that the interest should be computed half yearly from and after July 1, 1894, the difference between the two contentions being represented by a sum of \$113,176. The agreement was embodied in correspondence between the two Governments, and Judge Burbidge held the agreement to support Ontario's claim.

—Comparing the financial statement for the five months ending Nov. 30 last with the same period in 1901, it is evident that the country has bettered its position by \$4,500,000. The revenue shows a gain of \$2,762,599, and the ordinary and capital expenditure combined a reduction of \$1,752,053. If for the balance of the year our financial position is as well maintained as during last year there will be a reduction of \$1,500,000 in the public debt. Of the five months' revenue the details are:—

	1901.	1902.
Customs	\$13,262,089	\$15,045,470
Excise	4,700,182	4,952,911
Postoffice	1,355,000	1,530,000
Public works, including railways . .	2,758,539	3,114,504
Miscellaneous	1,066,163	1,261,688
Total	\$23,141,976	\$25,994,575
Expenditure	\$16,200,847	\$16,155,893

Speciality in Boys' Ready Made Clothing,

Under New Preferential Tariff.

Delivered Free on board London or Liverpool.

- Canadian Suits, Serges, 1/11½ to 8/11.
- " Tweeds, 1/11½ to 8/11.
- " Velvets, 4/11 to 8/11.
- Sailors Suits, same price.

Norfolks, 4/3 to 15/.

Write for Patterns sent free, or send \$10 for sample parcel.

E. Berger & Co.,

Wholesale Clothing Manufacturers,

FAMOUS WORKS,

Rutland Street,

LEICESTER, Eng.

Telegraphic Address: "Berger," Leicester. Cut will be inserted when received.

ESTABLISHED 1856.

T. H. HAAGEN, SON & CO.,65, 67, 69 St. Mary Axe,
LONDON, E.C., Eng.**TANNERS, CURRIERS & MANUFACTURERS,**

SPECIALITIES:

Curried English Strap Butts. Leather Machine Belting, (Pure Oak Bark Tanned) Leather Link Belting. Balata Belting. Fire Engine Hose. Pump & Hydraulic Butts. "Acme" Cotton & Hair Belting.

Only Manufacturers of the Original Genuine

HELVETIA LEATHER FOR LACES, BELTING, &c.

Prices and Samples Free on Application.

Enquiries solicited.

Our Stock is the Largest in the Kingdom

Capital expenditures are \$3,578,126 for the period, as compared with \$5,285,225 for the first five months of the last fiscal year. For the month of November the revenue amounted to \$4,950,841, as compared with \$4,635,485 for the same month of last year. The expenditure for the month was \$4,701,033, an increase of \$135,559.—Hon. A. L. Sifton, Commissioner of Public Works for the Northwest Territories, who is at present in Ottawa, communicated with the various bridge-building companies in Canada, in order to obtain tenders for the erection by March 14, of bridges at Macleod and Lethbridge, to cost \$20,000 and \$40,000 respectively. He received replies stating that the companies were so rushed with orders that they could not think of undertaking the work at any price before June.

—Recently a number of Ontario Crown timber agents have been reporting personally at the Department of Crown Lands, and others have sent in written reports. Each, says a Toronto letter, contains an estimate of the probable cut of pine sawlogs and square timber during the present season on territory held under timber licenses from the Crown. The quantities given for the respective agencies are as follows, in feet, board measure:—Sudbury, 121,000,000; Parry Sound, 171,000,000; Biscotasing, 40,000,000; Whitney, 50,500,000; Webbwood, 150,000,000; Sault Ste. Marie, 130,000,000; Port Arthur, 13,000,000; Arnprior, 40,000,000; Pembroke, 100,000,000; Peterborough, 44,000,000; Rat Portage, 25,000,000. Total, 884,500,000. In addition there will be a large number of railway ties, probably 1,500,000, as well as quantities of telegraph poles and fence posts, hardwood, etc., and considerable cut of hemlock and hardwood, the last mentioned for fuel and charcoal purposes, as well as for use in furniture making, etc. The quantity of pine cut during the winter of 1900-01 under authority of timber license, was 658,000,000 feet, and during the winter of 1901-2 850,000,000 feet. It is apparent from the reports of the timber agents that the chief difficulty the lumbering firms are experiencing is scarcity of labor. Men are hard to get and wages are high. Provisions and other supplies are also dear, and the expenses of operating are accordingly greater. The cut during the present winter will be a heavy one, as the demand for timber is good and prices rule high. The only thing that will tend to keep down the cut is the difficulty in obtaining labor.

—Notice is given of an application for a charter for the construction of a railway from Hazelton, at the head of the Skeena, via the Skeena, Rabina, Driftwood, Omineca and Finlay Rivers, or both, thence to the eastern boundary of British Columbia. This is the route over which the

Grank Trunk officials say the projected transcontinental line is to cross Canada. Application is also made for a charter for a line from Hazelton to Teslin Lake or Atlin Lake, or both. A charter is also sought for a line from Nasga Gulf to Naas River, and thence via Naas and Stikine Rivers to Deas Lake and Aiver to Telegraph Creek, with river steamers operating on the Stikine and Naas. Another charter is asked for a line from the coast near Burke Channel, or Bentinck Arm, thence by way of the Belle Cool River, Palmer's Trail and Blackwater River to Pine River Pass or Yellowhead Pass, or both; thence to the eastern boundary of the Province, and from a point at or near where this line of railway intersects the one hundred and twenty-fifth meridian to a point on Burrard Inlet.

—A large number of the leading lumbermen of Nova Scotia met at Amherst and decided to organize a society to be known as the Nova Scotia Lumber Association. The principal object of the association is the securing of better freight rates, and other business in connection with the lumber interests of the Province. The society is officered by the following:—Alfred Dickie, Stewiacke, president; Councilor J. H. Livingston, Wentworth, vice-president; Ray Kent, Truro, treasurer, and D. G. McDonald, secretary. The following with the above officers, compose the executive:—Charles J. Willes and N. A. Rhodes, Amherst; Henry Hunter, Wentworth; T. G. McMullin, Truro, and J. D. McGregor, New Glasgow. A request has been sent to H. J. Logan, M.P., to arrange a meeting of the Intercolonial Railway authorities to confer with the executive at their meeting in reference to freight rates with the I. C. R. The next meeting will be held at Truro.

Works: Slate Street Mills, LEICESTER.

Freer Street Works: ATTLEBOROUGH.

Telegraphic Address: "CLEOPATRA, LEICESTER."

**The Leicester Elastic Web
Manufacturing Society, Limited,**Manufacturers of all kinds of Elastic Web for
Boots and Shoes and Garter Elastics,**Conduit Street, LEICESTER, Eng.**

AGENT:

Mr. S. WOOD, 41 St. Francois Xavier Street, Montreal, Que.

GOLD MEDAL LYONS EXHIBITION, 1872. SILVER MEDAL BARCELONA EXHIBITION, 1888.
TWO GOLD MEDALS TORONTO EXHIBITION, 1896. GOLD MEDAL PARIS EXHIBITION, 1900.

The Lancashire Felt Co., Ltd.,

DENTON, near MANCHESTER, ENG.

Manufacturers of **WOOL AND FUR BODIES.**

Suitable for Ladies', Men's and Boys' Hats. Also Raw Materials supplied to Manufacturers of same under the New Canadian Preferential Tariff.

—Canadian railroads will, it is announced, shortly make an advance in freight rates on flour for export from points in Ontario to the seaboard. The advance will average about 2½ cents per 100 pounds, and is made because of the advance put into force by the roads from Chicago to New York. The ports affected will be Halifax, St. John, Boston, Portland, Philadelphia, Baltimore and New York. There will be no advance in local rates on flour, which were reduced last month. The original intention was to have the advance in export rates go into effect this week, but a proposal was made to extend the time till the 17th. This will be considered at a meeting of the Canadian Freight Agents' Association, to be held in Hamilton, and will probably be carried out. It is said that revisions in some other lines of freight may also be made.

—A Brockville, Ont., letter of the 5th inst. reads:—J. C. Kelly, president of the company which is to build the Brockville and Ottawa, Railway, accompanied by E. J. Walsh, engineer, arrived in Brockville to-day, having driven from the capital to this place over the ground to be traversed by the proposed line. They expressed themselves confident that the road would be built within a year, and when in operation the distance between these two points will be cut down by nearly twenty miles. There are no serious engineering difficulties to contend with except the crossing of the Rideau at Merrickville, which can be easily overcome.

—A London, Ont., letter refers to the death in that city, on the 5th instant, of Mr. Oliver McClary, at the age of 87 years. The deceased was born in Westminster Township, and because of impaired health he commenced selling tins on the road, subsequently beginning manufacture. This was the beginning of the business of the McClary Manufacturing Co., which is to-day London's largest industry. Deceased retired from the business twenty years ago, leaving its control to his brother, the present head of the concern.

—It is reported from Ottawa that Messrs. J. Livingston, ex-M.P., Baden, and E. Fielding, Toronto, had an interview with the Minister of Customs recently on the subject of the duty upon flaxseed oil and linseed oil, the importations of which are increasing rapidly, to the serious detriment of the Canadian industry. Last year from Great Britain there were imported 650,943 gallons, and from the United States 4,1946.

—Experts familiar with the trade of Venezuela, under normal conditions, says a London letter, point out that the customs revenues are chiefly derived from the imports of flour from the United States and Canada, and the exports of coffee to the same markets, and that the seizure of the customs for the settlement of the British and German claims would involve the payment of just debts through the duties levied upon commerce from and with the two countries named.

BRADSHAW & PAYNE,

Boot and Shoe Manufacturers,

MAKERS OF THE

Waverley Brand of Boots and Shoes in all Varieties,

181, Humberstone Road,

Leicester, England,

The other Cut will be inserted when received.



Special prices under the New Tariff.

TASKER, SONS & CO.

Manufacturers of Main Driving Bands

In Leather India-Rubber, Hair and Cotton.

Government Contractors.



THIS IS AN ILLUSTRATION OF BELTING SUPPLIED BY US TO A CONTINENTAL GOVERNMENT.

SHEFFIELD,
- - -
England.
32 ANGEL STREET,

Leather Merchants and Mill Strap Manufacturers.

—Ottawa advices state that at a recent meeting of the Cabinet Council, certain concessions regarding the C.P.R.'s big irrigation scheme in Alberta were approved. The project contemplates the irrigation from the waters of Bow River of two and a half million acres of land. Mr. William Whyte, manager of the C. P. R. western lines, and Mr. J. S. Dennis, chief of the company's irrigation works, are at Ottawa in connection with the enterprise.

—The Grand Trunk Railway Company is building the siding to connect its line with the works of the Ontario Portland Cement Company, at Blue Lake, and it is expected that the switch will be completed in a few days. The large buildings of the Cement Company are being pushed with all possible vigor, as it is the intention of the company to have their plant in operation in the early spring.

—Mr. William Hutchison, Dominion Exhibition Commissioner, with his staff, will sail from Vancouver for Japan on December 29th, by the steamship Empress of India. The exhibits are being forwarded to Vancouver every day. They will embrace over six carloads.

—Two New York companies have been formed for the development of the pulp industry in Newfoundland, and have secured a vast area of pulp land. They will employ about one thousand hands and their chief market will be in Britain.

—It is reported that an order has been issued by the Canadian Government prohibiting the importation into Canada of hides, skins, hoofs or horns coming from the State of Rhode Island, U. S.

—Mr. J. W. Hamilton, manager of the Bank of British North America at Fredericton, has been appointed to fill the place of the late Mr. D. Cumberland as manager of the bank in Quebec.

—The Richelieu & Ontario Navigation Company has purchased the steamer Virginia from her American owners at Baltimore.

—Long-distance telephone communication has been established between Winnipeg and St. Paul, Minn.

W. O. TOONE & CO.,

WHOLESALE AND EXPERT

Boot and Shoe Manufacturers,

Children's Shoes—Speciality,

Factory: "STAR" WORKS, BLABY,

Rutland Street, LEICESTER, England.

This firm makes only Children's Shoes, under the New Tariff.

Cuts will be inserted when photo received.

E. L. Laxton & Co.,

Boot and Shoe Manufacturers,

SPECIALITY:

children's Shoes,

24a Queen Street,

LEICESTER, = = England.

We supply our shoes 33 1/2 p.c. less.

Cuts will be inserted when received.

Jackson & Pochin,

Star Works,
LEICESTER, England.

Patent Specialities in

Boot Machinery, &c.



Cable Address: "STAR," Leicester.

Correspondence.

ENGLISH SHOES.

To the Editor, Journal of Commerce.

Sir,—A customer was in my store yesterday and in asking to see a pair of shoes, said:—"I was reading in the Journal of Commerce a few evenings ago that English made boots and shoes are built to stand wear better than those made either here or in the United States. Have you got any English boots in stock? If so, let me look at a pair." Now, Mr. Editor, I have not been a reader of your paper, but I was shown the article in question, and I must say that while I am a thorough Canadian and would of all times advocate the manufacture and sale of home goods, I must admit that you've struck the key which, to my mind, as a long experienced boot and shoe dealer, has the proper sound, and which I hope will ring enterprise and "push" into the shoe manufacturing trade both here and in England.

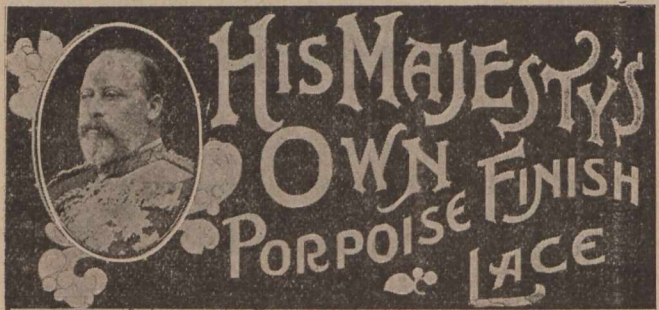
I want to say, right here, that it is nothing short of a direct reflection on the intelligence, capacity and business training, not only of our Canadian manufacturers, but of our own people over in England who have had their shoe factories running long before shoes were worn in Canada, to see United States' boots and shoes being displayed so prominently in leading Canadian shop windows, and sold at big profits after the heavy duty which had to be paid before they were landed here. I want to say, sir, that the feeling we entertain and periodically display toward the old land, and the reverence we pretend to hold for everything coming from the old land, should at least call upon us to in turn demand that if the various goods manufactured in England are needed here—and every day proves they are—we should send over for those goods, instead of substituting and pushing the sale of goods made in a country which does not hesitate to hamper our interests if in turn their's may be made more prosperous, in however slight a degree. Here we find ourselves from day to day turning our hard-earned money over to help to pay the hands in United States boot and shoe factories; yet what do we get from the U. S. in return?

Some may deem me narrowminded, but when I leave my own brother's store without my custom and buy what I need from a stranger, merely because the latter lives a little nearer and displays his wares with a little more show of ambition, I have a right to be censured, unless, indeed, I can see in the stranger's goods qualities I cannot get from my brother for the same money. I've now come

to the point I want to bring out, if I'm not taking up too much space.

Why do we not handle English made boots and shoes to the exclusion of those of United States make? Remember, I'm not advocating that any limit be placed to the sale of Canadian shoes. Far from it. I'd be only too pleased to find from Canadian samples all the varieties that my trade requires. Yet, while we must credit our Canadian manufacturers with much enterprise in this regard, it is scarcely to be expected that they can as yet fully satisfy the varied demands of all. You know, the retailer—of shoes at least—is not his own master as to dictation. If he were, he would find his customers gradually dwindling away. He must keep variety if he would have various

Sole makers of His Majesty, The City Mafeking, Excelsior Piccadilly British Workman, Union Fearnought, and other Carded Porpoise Laces.



SHAW BROTHERS,

Leather Lace Manufacturers,

Stone Bridge Street Works, - Leicester, England.

Cable Address: "LENSES," Leicester.

TAYLOR, TAYLOR & HOBSON, LTD.

Scientific Instrument Makers,

Stoughton Street Works, - LEICESTER, Eng.

Contractors and Manufacturers to His Majesty's Government; The War Office, the Admiralty, The Postal Telegraph Department, The India Office, The Government of N. S. Wales, The Government of Cape Colony, The Russian Government, The French Government, The Dutch Government, The German Government.

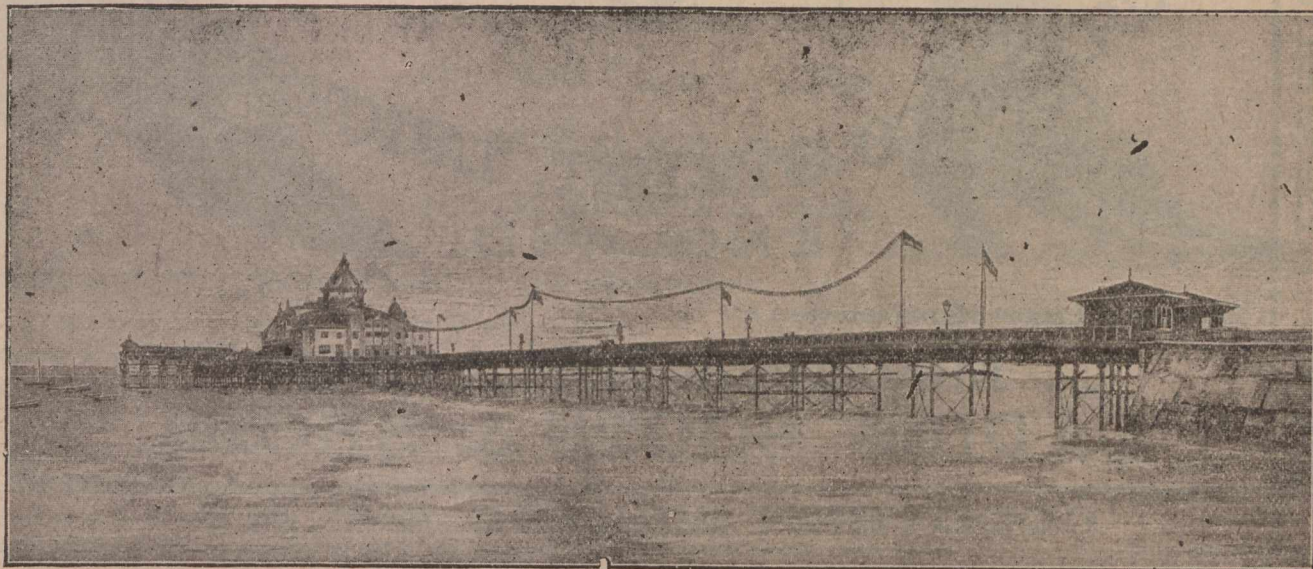
Focussing Cooke Lenses for Hand Cameras.

Office and Showroom:

18 Berners Street, W., - - - LONDON, Eng.

Widnes Foundry Company.

◆ ◆ ESTABLISHED 1841. ◆ ◆



Morecambe Pier (East View).

ERECTED, 1898, BY

THE WIDNES FOUNDRY CO.
WIDNES,
Lancashire, - - England.

customers. But why, I ask again, does he not handle English made boots and shoes in preference to those from a country which is not interested in the welfare of his own, providing he can get as good-selling stock?

I'll try to answer this. I had to answer it yesterday when the customer came along, drawn here by the article in your Journal. I said to him: "If people in England would arrange for a supply house here, from where we could draw our stocks as needed, I, for one, would be most emphatic in my approval of giving our English boot and shoe makers the full field for such of our needs as are required to give the necessary variety to our stock. Now, for instance; I see English samples and order a stock, such as I feel I can handle for the season. I cannot order that stock so that I can have it all—or perhaps, nearly all—sold, and still have balance in good selling shape. I'd be quite likely to run short in some sizes before a month. Then, how am I to size up? A customer can't be expected to wait three weeks or a month till I get the exact size in length and width, shape of toe, weight of sole, etc., that is demanded. If there was a

supply house here I could 'phone for a certain size and kind, and have it to my hand while I was showing the caller a few samples. Thus I'd not miss a sale. I'd sustain the reputation of my business, something I must do at all hazards. The more prominent houses handling U.S. shoes sell them exclusively, and, as a consequence, can keep large supplies.

I feel fully confident that were our English manufacturers to take the proper way of having their boots and shoes handled here, it would be but a short time till we should find English shoes as prominently displayed as U. S. stock is now, and with far greater chances of constantly increasing patronage.

I may write you again, providing you give space to the ideas I here convey, and which I feel sure are but the sentiments of every Canadian in the trade, except the few who, as you said, "are naturally eloquent over everything made under the starry banner. Trusting you will not allow this matter to drop, I am, very truly,

RETAILER.

LATEST DESIGNS.

W. T. Scannell & Co.



**CHARLES STREET, LEICESTER
ENGLAND.**

Wholesale Export Manufacturers of

**Medium & Better Class
LADIES' BOOTS & SHOES.**

GOODYEAR WELTED AND M.S.

LIGHT, FLEXIBLE & DURABLE.

HIGHEST WORKMANSHIP.

FINANCIAL.

Montreal, Thursday Evening, Dec. 11, 1902.

On an earlier page references are made to the proposal made by the Secretary of the U. S. Treasury, which are intended to create more easy financial conditions. A movement by that department to prevent public money paid in for taxes becoming accumulated to an embarrassing extent has long been needed, and still more a system under which the banks could meet special season's demands for currency by issues of notes equal to trade requirements.

Though money is easier than some weeks ago, it is still scarce, and a good judge like the U. S. Treasurer said this week that there will be another "squeeze" about Christmas. This forecast is based upon the prospects of 5 to 6 millions being shipped in a few days from New York to the West and South. This will compel loans to be called in and lead to liquidations of speculative accounts. Should these conditions arise this market will be affected, but if stock business falls any lower in volume the brokers will not earn enough for their daily lunches or luxuries at the clubs. The New York Exchange on the 8th inst. made a record for smallness of business; still there were 275,250 shares sold, which, however, is a mere bagatelle in that market.

Grain is being held back on a very large scale, so the shipments are far too light to have much effect in easing the situation. Much depends upon this condition's continuing, for while it does the prospect for a better supply of money can not be bright. The produce shipments so far are reported to have been required to cover loans made in England and the Continent to the United States, that is, which have matured recently. It will become a live question some day, why the general mercantile business of the country should be disturbed, and its supply of money so reduced as to make accommodation dear, solely because

the banks advance their funds to maintain stock speculating operations. They were certainly not chartered for any such purpose.

The Bank of Commerce statement for the year ending 30th Nov. ult. is a joyful document for the shareholders. The net profits amounted to \$1,028,509, which is close upon 13 per cent. of the paid up capital, large enough to pay the usual dividends and pass \$500,000 to reserve fund.

The Bank of Ottawa had a splendid year, having cleared over 14 per cent. on its capital. This bank will issue \$1,000,000 more stock, probably next year.

Other new issues are rumoured and new branches being opened in this city. It is possible, however, to have too much of a good thing.

The stock market is in a very unsettled state. To-day Pacific has been stamped down by the bears to 125, from

El Padre Needles

10 CENTS.

VARSAITY,

5 CENTS.

The Best CIGARS that money, skill and nearly half a century's experience can produce.

Made and Guaranteed by

S. Davis & Sons,
MONTREAL, Que.

Cowling & Company,

MANUFACTURERS OF

Ladies' High Class Boots and Shoes.

LEICESTER, ENGLAND.



We make only the Highest Grades, under the New Canadian Preferential Tariff of 33 1/3 p c., in favour of Canada.



127 7/8 yesterday. There was a run upon Dominion Iron yesterday, which sent it up to 57 5/8; then came a sag, and to-day it has been ranging from 54 1/2 to 56. Montreal Street has sold at 275 to 276; Detroit Ry., 85; Dom. Coal, 128 1/2; Montreal Power, 88 3/4 to 89 1/4. There is no money for stock business, consequently the trading is very dull and probably some of it is mere show and make-believe. Consols are down to 92 5-16. Money in London, for short and 3 months' bills is 3 1/2 to 3 3/8. New York call money 4 to 6 per cent., and 6 per cent. for first class paper. Paris, exchange on London, 25f 15 1/2c; Berlin, 20m 45 1/2pf. Local foreign exchange, 60's, 9 per cent., demand, 9 13-16. Call money, 6 to 7 per cent., but none going out. The banks will soon have plenty of money, as it will be coming in from sales of produce and store goods, the receipts for seasonable goods being already exceptionally heavy.

The following is a comparative table of stocks for week ending Dec. 11, supplied by Chas. Meredith & Co., Stock Brokers, Montreal:

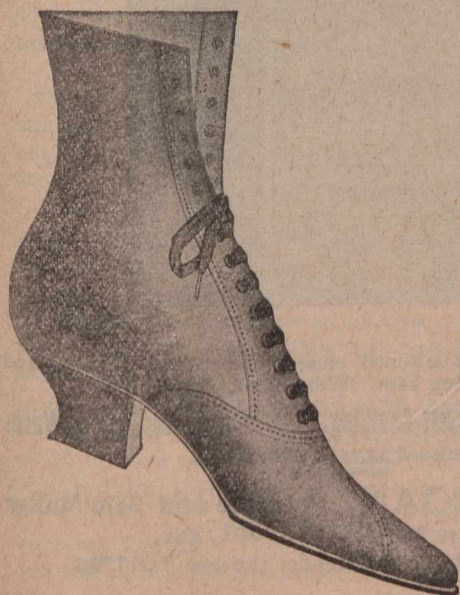
Banks.	Shares.		Average same date	
	sold.	Hig'st.	Low'st.	1901.
Montreal..	5	270	270	260
Molsons..	10	214	214	207
British North America	8	138 1/2	137 1/2	129
Merchants..	18	160 3/4	160	150
Commerce..	67	160	159	...
Hochelaga..	10	135	135	...
Union..	45	126	126	...
Quebec..	12	117	117	...
Miscellaneous.				
Canadian Pacific Railway Co..	4410	128 3/4	125	112 1/8
Montreal Street Railway..	400	276	275	270
Montreal Power Co..	1383	90	87 3/4	94 1/2
Toronto Street Ry., xn..	175	114	113	115 1/4
'Ditto. Rights..	3750	1.40	1.25	...
Toledo Railway..	50	30	30	...
Twin City Transit..	315	116 3/4	114	105 1/2

A. W. SIMPSON & CO.,

WHOLESALE

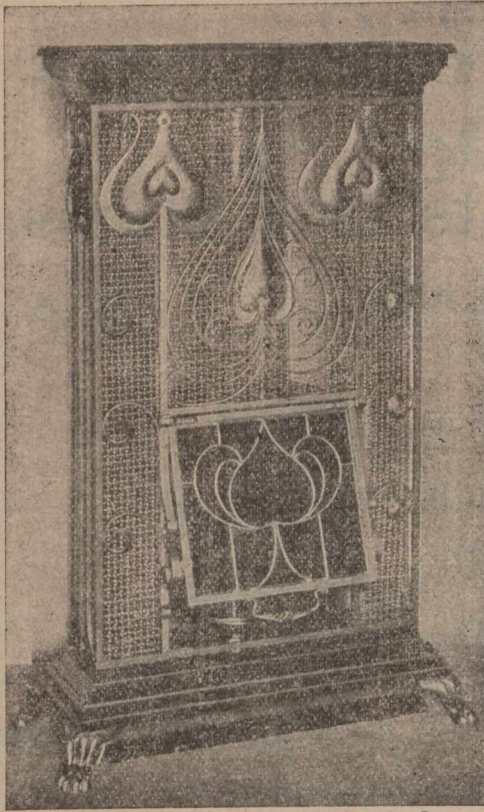
Boot and Shoe Manufacturers,

Millstone Lane
Leicester,
England.



Special prices to the Canadian Trade, under the New Tariff.

Telegram: "WARMNESS, London."



C 8. Inclusive Price, £12 12 0

'LUX-CALOR'

Ritchie's Patent
Condensing Gas Stove.

No Flue Required.

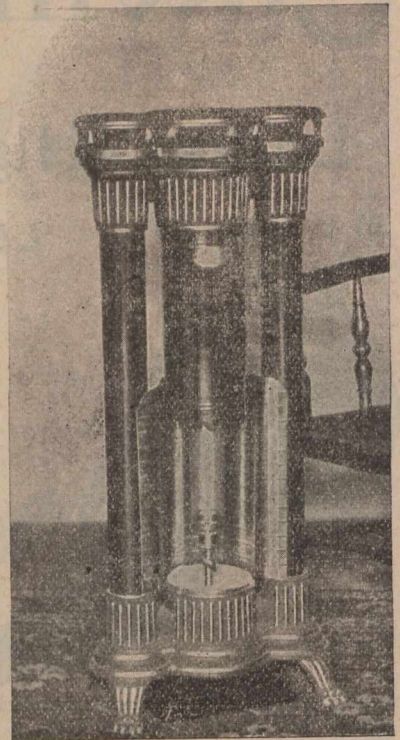
Supplied to His Majesty the King at Buckingham Palace; The Bank of England; the Mansion House; the Guildhall; the Society of Arts; the Royal Observatory, Greenwich; the London County Council; the Metropolitan Fire Brigade; the Stock Exchange; "The Lancet" Office; and the principal Gas Companies of the World.

.. RITCHIE & CO..

Contractors to the
London Gas Companies.

46 Hatfield Street,
SOUTHWARK, S.E. London, Eng.
(Near Blackfriars Bridge.)

Special prices to Canadians under the New
Tariff, 38½ p.c. in favour of Canada.



D 3. Inclusive Price, £4 5

Hamilton Elec. pfd..	100	88¾	88¾	...
Richelieu & Ont. Nav. Co..	25	95	95	111
Commerical Cable..	191	176	175	183
Montreal Telegraph..	9	165	164	173
Dominion Cotton...	75	51	51	48
Payne..	5250	12	11	14
Dom. Coal, common..	890	129½	127	46¾
Ditto. pref..	65	119	118½	119½
Packers' Assoc. A..	25	98	98	...
West India..	128	50	50	...
N. W. Land..	200	225	225	...
Detroit United Electric Ry..	797	85¼	84	...
Dominion Iron & Steel, common..	2922	57¾	57½	24½
Ditto. pfd..	462	96	94	81
Nova Scotia..	552	102¼	101	...
Nova Scotia, pfd..	25	137	137	...

Bonds.

Commercial Cable, reg..	2000	97½	97½	...
Dom. Iron & Steel..	41000	90	89½	87½

Ottawa Clearing House.—Total for week ending Dec. 4, 1902: Clearings, \$2,034,676.50; balances, \$509,275.24; corresponding week last year, clearings, \$2,189,475.12; balances, \$695,076.58.

—London Clearing House.—Total for week ending Dec. 4, 1902: Clearings, \$854,493.

MONTREAL WHOLESALE MARKETS.

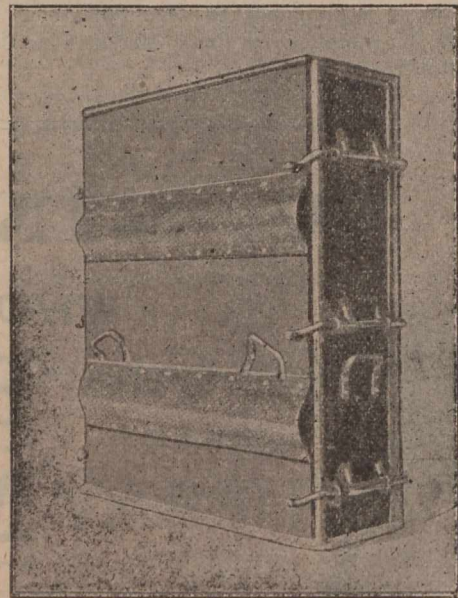
Thursday Evening, Dec. 11, 1902.

The sudden extreme dip in the temperature at the opening of the week brought hurried conclusions to hesitating minds about necessity for warmest winter wear, and accordingly retailers have been very busy on the sort of trade (where people must buy) they most desire. As many wholesale firms are taking account of stock or preparing therefor, trade does not exhibit the changes incident to other months. All lines may be said to be unchanged in value from last report, with retailers fast depleting stocks, and, accordingly, paying up pretty well.

BUTTER.—An exceptionally quiet market all through the week, this being not unusual after close of navigation as exporters have not arrangements made by other points, and thus the scarcity of real fine quality such as exporters have a demand for makes a difference in the market. Locally sales are disappointing, and this has given the market a little easier tone on all grades under strictly finest, and prices are ¼ to ½c lower. Real fancy Oct. make is held at 22 to 22½c, but ordinary run of stock in creamery is not quotable over 21 to 21½c, with some good qualities

SOAP FRAMES

PATENTS—No. 5107/93; No. 10362/99.



Made of Special cold flattened, close-annealed Steel Plates, fitted with clamping bars. Weight complete, 5 cwt.

Easily Erected. Self-Caulking. Guaranteed not to Warp.
Wheels and Axles fitted if required.

H. D. MORGAN, Patentee and Sole Maker
Jamaica Street, LIVERPOOL, Eng.

Soap Trade Supplied under the new Tariff

TELEGRAMS: RIBOTINE, LEICESTER.

WATERHOUSE REYNOLDS & CO.,

Corset • Manufacturers.

MANUFACTURERS
OFMADAME JEANNE
MADAME LIEDER
ANGLO FRENCH RIBOLINEBrown Street,
LEICESTER, ENG.

Cuts will be inserted when received.

offering at 20c. In dairy there is a fairly satisfactory business, and fresh receipts move off quickly. Western 17 to 18c; undergrades, 15 to 16½c. Rolls find a quick market at 17 to 18c.

CHEESE.—Very little doing, the market being quiet and nominal. Finest Western is held at 12½c, but buyers are not to be found at over 11¾c. Eastern is not saleable at over 11½c.

DRUGS.—Norway cod liver oil is exceedingly high. Price in England is now about 200s, more than double the quotations of a year ago. Buyers are holding off somewhat, taking only small quantities, as new oil comes in early in March, and it is impossible now to tell what the fishing season will be. Quinine remains at a stationary position. It can be bought at from 1½d to 2d less from second hands than regular prices show. There seems to be a prospect of an upward move in gum arabic, the price having been very low for some time. Citric acid is also very low in price, those ruling lately being lower than ever before known. The fight between the bromide potash combine and the outside makers has had a tendency to cut prices al-

most one-half, and large dealers have been taking advantage to buy supplies. Glycerine is firmer in price but still sold locally at about cost to import.

EGGS.—Cold weather has brought improved demand. New eggs are scarce, with ready sale at 23 to 24c; good fall held, 21 to 22c; spring refrigerator stock, 17 to 17½. Lined vary from 16½ to 18c.

FISH.—Dealers are very busy filling orders. Prices hold steady, and are likely to while the rush season is on, for there is plenty arriving to fill all orders with a fair degree of satisfaction. Quotations:—Salt Fish.—Loch Fyne herrings, \$1.15 per keg; salt herrings, held over stock, barrels, \$4.50 to \$4.75; new Labrador herrings, barrels, \$5.25; do., half-barrels, \$3.00; green cod, No. 1, \$5.75; do. No. 2, \$4.75; large, \$6.00. Fresh fish.—Cod in cases 3½c lb.; less quantities, 4c; haddock, cases, 3½c, less quantities, 4c; steak cod, heads off, 4½c lb.; fresh frozen pike, 5c lb.; less than cases, 5½c lb.; fresh pickerel or dory, case, 6c, less, 6½c; white fish 7c to 7½c; lake trout, 7½c to 8c; halibut, frozen, B.C., 9 to 10c; salmon,

Established 1859.

TELEGRAPH ADDRESS: "PRANDO."

J. Burgess & Son,

(LATE T. & J. JONES)

—MANUFACTURERS OF—

Elastic Webs.



All business communications to be addressed to the firm.

Brougham Street Mills, Leicester, England.

do., 9 to 10c; Qualla salmon, cases, 7c, less, 8c; smelts, 15 to 25 lb. case, 7c lb.; mackerel, fresh frozen, 15c each; fresh frozen herring, \$2.10 per 100 lbs. Frozen tom cods are expected to arrive for next week. Salt eels, 6½c lb.; kipperines (case of 3 doz. cartons), \$3.50 per case. Standard bulk oysters \$1.40 per gallon; medium do., \$1.50, and selects, \$1.60 per gallon. Smoked Fish.—Herrings, 10c per box; finnan haddies, new stock by express, 6½c per lb.; Yarmouth bloaters, \$1.10 box; St. John bloaters, \$1.00 per box. Kippered herring, 90c per half-box. Prepared fish—Boneless cod, in bricks, 6c lb.; boneless fish, in bricks, 5c; dry cod, in cwts.; \$5.00 per cwt.; skinless cod in cases \$5.00 per case.

FLOUR AND FEED.—Under a good demand for both, the market holds very steady as to price, no changes being made since our last report. The supplies of feed are quite ample for requirements, millers having caught up during the early fall. The local demand for hay is quite active at steady prices. We quote: No. 1 \$9 to \$10; No. 2, \$8 to \$8.75; clover, \$6.50 to \$7 per ton, in car lots. Winnipeg closing prices of No. 1 hard Manitoba wheat, 70c, and No. 1 northern, 69c, in store, December.

GREEN FRUITS, ETC.—The approach of the holidays is infusing additional life and seasonable goods are selling freely. Quotations: Jamaica oranges, \$5.75 to \$6 bbl.; ditto, boxes, 150 to 200 size, \$2.75 box; do., 216 to 250 size, \$2.65; lemons, fancy, 300 size, Messinas, \$4; Bananas, Jamaica, \$1.75; new figs, boxes, 12½c to 14c

per lb.; new dates, fancy stock, 4c per lb.; cranberries, extra fancy dark Nova Scotia in 25 quart boxes, \$2.50 per box; extra fancy Cape Cods, \$10.75 per bbl.; ditto Nova Scotia, \$9.00; 50-lb. crates Spanish onions, 60c crate; large cases \$2.25 per case; red onions, bbls., \$2; yellow Denvers \$2; bbls. apples, extra Spy, \$4.50; extra russets, Baldwins and Greenings, \$3.50; choice qualities, \$2.75; sweet potatoes, \$2.75 per barrel; Almeria grapes, extra fancy tinted stock, \$7.50 per keg; fancy heavy weights, \$7.00 per keg; choice heavy weights, \$6.50 per keg; choice ordinary for immediate use, \$5.50 per keg; almonds, 13c; shelled do. in 28-lb. boxes, 28c lb.; walnuts, 13c; pecans 17c; peanuts, Bon Ton, 12c; Sun, 10c; Coon, 7¼c; chestnuts, 11c lb.; filberts, 10c; coconuts, new stock, \$3.50 per bag.

GREEN HIDES.—Situation unchanged. Beef hides 8, 7 and 6c; calfskins 10 and 8c; lambskins 65c.

GROCERIES.—Sugars steady at recent decline, which brought standard granulated to \$3.80. Holiday trade keeps business brisk, and no changes in values are announced.

HARDWARE AND METALS.—Trade is quiet, as usual prior to the turn of the year. Few changes in values. Iron and steel wire, plain, 6 to 9, is lower at \$2.50. Sisal rope has declined ½c lb. Prices on another page.

OILS, PAINTS, ETC.—Trade is very quiet. Most houses are busy stock-taking. No changes in values.

HART & LEVY, Ltd.

Wholesale
and
Export

Clothing
Manufacturers,

OF HIGH CLASS CLOTHING ONLY,
FOR MEN AND YOUTHS.

Special prices to Canadians under the New Preferential Tariff,
33⅓ p.c., in favour of Canadians.

. Leicester, England .



Increasing in Popularity
Moderate in Price
Unshrinkable

**“ALPHA”
 Underwear**

WHOLESALE ONLY FROM
T. H. DOWNING & Co.
 Manufacturers.

ALSO... **LEICESTER, Eng.**

103 & 104 Wood Street, LONDON.
 43 Mosley Street, MANCHESTER.
 Clayton Square, LIVERPOOL.
 89 Bridge Street, CARDIFF.

POULTRY AND GAME.—All kinds are wanted. Turkeys sell at 12 to 13c lb.; ducks, 11 to 12c lb.; geese, 7 to 8c lb.; fowls, 8 to 8½c lb.; chickens, 9 to 11c lb.—Partridges 90c pair; hares, 20c pair; deer, in carcass, dull and lower at 5½ to 6c lb.; in saddles, 9 to 10c lb.

PROVISIONS.—The near approach of the holidays has awakened the usual interest in smoked meats, assisted by the advent of very cold weather, which has given more freedom to purchases of fresh killed hogs. The latter are limited as to receipts, however, and sell readily at \$8 to \$8.25 per 100 lbs. for abattoir dressed and \$7.50 for country killed. Cured meats hold steady in price. We quote:—100 lbs., and country dressed, \$7.50. We quote:—Heavy Canadian short cut mess pork, \$24.50 to \$25; Canada short cut back pork, \$23.50 to \$24; light Canada short cut clear pork, \$23.50 to \$24; finest kettle lard, 20-lb. pails, 12¼c to 12½c; extra pure lard, in 20-lb. pails, 10¾c to 11¼c; choice refined compound lard, 9c to 9¼c; Boar's Head brand, in 20-lb. wood pails, \$2 to \$2.08; Globe, at \$1.80 to \$1.90; 20-lb. tin pails, ¼c less per lb.; hams, 12c

to 14c, and bacon, 14 to 15c per lb.—Chicago, Dec. 10.—January provisions closed 2½c lower to 3c higher. Future quotations closed. Pork, January, \$16.82½; May, \$15.67½. Lard, December, \$10.50; January, \$9.97½; May, \$9.20. Ribs, January, \$8.60; May, \$8.40. Cash quotations closed: Mess pork, per barrel, \$16.67½ to \$17. Lard, per 100 pounds, \$10.70 to \$10.75; short ribs, sides, loose, \$8.62½ to \$8.75; dry salted shoulders, boxed, \$8.25 to \$8.50; short clear sides, boxed, \$8.75 to \$9. Liverpool, Dec. 10.—Bacon, Cumberland cut, quiet, 48s; short ribs, dull, 51s; long clear middles, light, dull, 53s; long clear middle, heavy, quiet, 52s 6d. Short clear backs, dull, 53s. Shoulders, square, dull, 43s 6d. Lard, American refined, in pails, quiet, 59s 6d.

—The Parkdale Cigar Co., Toronto, has assigned. A writ for \$432 issued against the company by J. Brand & Co., brought on the assignment. Liabilities small.

—Grank Trunk Railway System, earnings 1st to 7th December, 1902, \$611,233; 1901, \$546,986; increase, \$64,247.

We do not Belong to any Ring or Combine.

I. P. Clarke & Co.,

BELGRAVE THREAD MILLS,
 LEICESTER, England

Sewing Machine Cotton

HIGHEST QUALITY
 ONLY.

Six-Cord

400 320 300 200 yards.



Special terms to Canadians under the New Preferential Tariff.

Established 1834

SPECIALITIES

Castor Oil	Alkali	Lithia Salts	Photo	Tanning-Extracts
Olive Oil	Bleach	Phosphoric Acid	Developers	French & Italian Produce
Ravison Oil	Saltcake	Salicylic Acid	Plates	Liquorice Sticks, Peel,
Nut Oil	Sulphur	Carbolic Acid	Papers	etc. etc.
Cod Liver Oil	Potashes	Tartaric Acid	Nitrate Silver	
Essential Oils	Sul. Copper	Acetic Acid	Chloride Gold	
Castile Soap	Verdigris	Prussiates		
Oleins	Camphor	Cyanides		
Stearine	Mercurials			
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COMMISSION MERCHANTS. IMPORTERS-EXPORTERS.

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MONTREAL CITY AND DISTRICT SAVINGS BANK.

Notice is hereby given that a dividend of Eight Dollars and a Bonus of Two Dollars per share of the Capital Stock of this institution have been declared, and the same will be payable at its Banking House in this city on and after Friday, the 2nd day of January, 1903.

The Transfer Books will be closed from the 15th to the 31st December, both days inclusive.

By order of the Board,
A. P. LESPERANCE,
Manager.

Montreal, November 29, 1902.

WOOLLENS and LEATHER.

A Prominent Woollen and Leather Broker, of 20 years' experience, desires to represent a responsible firm in each of these lines.

Address :

ADRIEN GAU,
Mazamet (Tarn),
FRANCE.

LAINES et CUIRS.

Courtier important, vingt années d'expérience, désire représenter forte maison.

Ecrire:

ADRIEN GAU,
Mazamet (Tarn),
FRANCE.

JESSOP & APPLEBY BROS.

As manufacturers of cranes of all types and powers the Leicester and London, Eng., firm of Jessop & Appleby Bros. have for many years commanded a large percentage of the trade, both in Great Britain and in foreign countries. The firm possess unexcelled facilities for the speedy construction and shipment of lifting cranes, from the very largest to the small hand power machines. The result of more than forty years experience in this special line of manufacture has brought the name of Jessop & Appleby Bros. before the public at home and abroad. The firm's make of cranes combines good design, best workmanship, great capacity, ease in handling, and low wear and tear.

On these grounds of build and durability, the firm of Messrs. Jessop & Appleby Bros. desire to acquaint the Canadian trade with the knowledge that they are in for business, both new and a continuance of old, and they have every confidence that any and all orders entrusted to them from Canada will be proven to have turned out in every way as satisfactory as the European trade they have so long enjoyed.

Under the new preferential tariff English machinery, etc., is allowed to enter Canada at a discount of 33 1-3

per cent off duty, so that the more wide-awake manufacturers in Gt. Britain are now taking advantage and are seeing that the Canadian trade is more acquainted with their lines of business. Their facilities for doing an export trade, the standing they have long occupied and the desire they entertain of catching and holding trade in a new and growing country like Canada, where the latest and best of everything is none too good to find a ready market so long as a ready way is taken to capture it.

The firm of Jessop & Appleby Bros. are too well and favorably known throughout Great Britain to need any regular form of introduction wherever the English language is spoken, so we will merely reprint a few pages of a very neat and elaborately-gotten-up catalogue before us, containing nearly 200 pages and illustrations, which is of itself a dignified introduction.

A border page reads: "Floating cranes, Titans, Goliaths, and concrete making plant. 'Gollmann's' Patent Valve Gear for all kinds of steam engines. Horizontal and vertical high pressure engines, compound and condensing engines, Semi-portable engines. Colliery and mine winding engines. Fixed and portable winding and pumping engines. Pumping machinery. Steam, electric and hydraulic pumping plant. Colonial and donkey pumps.

R. LATIMER & CO.,

Corset Manufacturers,

60 Queen Street.
LEICESTER, ENG.

Manufacturers of the Celebrated "F. & B. WEL" CORSETS.

Cuts will be inserted next week.

Telegrams—
DICTO, "LONDON."]

Telephone
No. 4168 Av.]

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As Used by **ADMIRALTY** and **LEADING COMPANIES.**

"ELASTIKUM" FOR ALL WEATHER WORK, INSIDE AND OUT.
VERY DURABLE AND LASTING.

"JAPLAK" QUICK-DRYING PAINT FOR HOLDS.
GUARANTEED TO PREVENT PITTING OR OXIDISING.

Dick's Marine Engine & Cylinder Oils,

AS USED BY WHITE STAR, CASTLE, ORIENT, BRITISH INDIA, AND OTHER LEADING LINES.

Sole Proprietors and Manufacturers—

W. B. DICK & CO., LTD., 60, ST. MARY AXE, LONDON, ENG.

WORKS: KING AND QUEEN AND LAVENDER WHARFS, ROTHERHITHE.

BRANCHES: LIVERPOOL, GLASGOW, CARDIFF, NEWCASTLE AND HAMBURG.

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**Hams, Bacon, Bottled Fruits,
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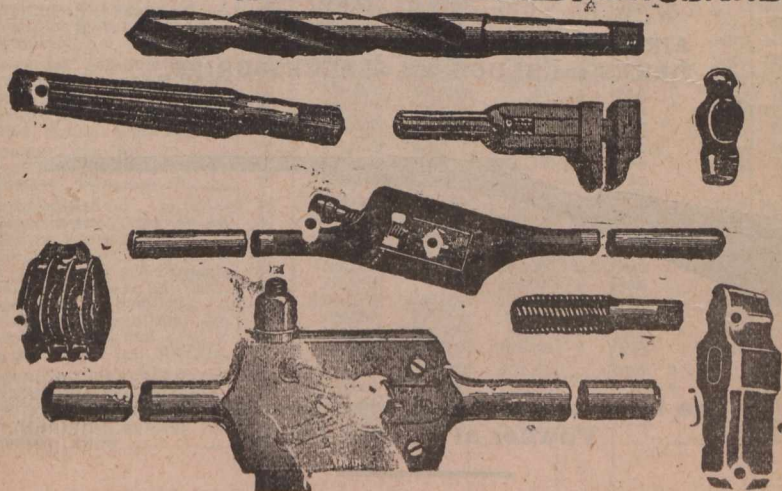
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PRICE LISTS ON APPLICATION.

**THE MIDLAND MFG. CO., LD.,
SHEFFIELD, ENGLAND.**



SPECIAL NOTE.—Buyers have 33 1/3 per cent. in their favour by purchasing from The Makers and Inventors in England under the new Canadian Preferential Tariff.

Yacht and launch engines. Steam, electric and hand pile drivers. Locomotives, contractors' machinery of all kinds. Mill shafting, pulleys, gearing, etc."

Page 8 shows a Titan Steam Crane, for setting concrete blocks. Cranes for this purpose vary widely in power, radius, height and span of gantry, and in general arrangements, but that illustrated represents a construction which has been successfully employed of all powers from 30 to 60 tons, or more.

The crane illustrated deposits blocks of 55 tons weight at any depth up to 40 feet below rail level, or at any point within a circle of 85 feet, the load being traversed along the jib for that purpose.

The machinery for lifting, traversing the load, rotating the jib, and for travelling the crane (with the load suspended), is fixed in the position shown, and the levers controlling these motions are arranged to afford the attendant a complete view of his work. The load is lifted, and the traversing motions are operated by flexible steel wire rope winding on spirally-grooved barrels.

The gantry and jib are built of mild steel, and the under-carriages are fitted with steel or chilled iron wheels for a double track of rails on each side; the gauge is 19 feet, and the clear height about 14 feet.

About 18 feet gauge, and 14 feet clear height above rails, are usually convenient dimensions for cranes of from 30 to 60 tons power.

Prices on application with details of dimensions required.

Page 10 shows a Goliath Steam Crane. The crane now illustrated lifts, cross traverses and travels longitudinally on a track of 35 feet gauge, with a load of 4 tons, all motions being worked by steam power transmitted from the crab and controlled by one man.

We have constructed cranes of similar type (portable or fixed) of all powers from 10 to 80 tons, and they can be made of any span, height, clearance be-

CRANES OF ALL TYPES & POWERS

ARE OUR SPECIALITY,

AND THEY COMBINE:

Good Design,

Best Workmanship,

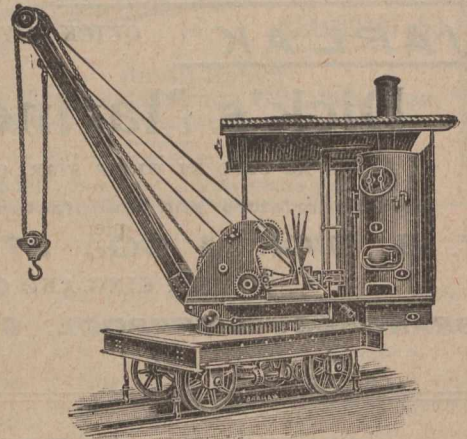
Great Capacity,

Ease in Handling and

Low Wear and Tear.

THE RESULT OF MORE THAN

40 Years' Experience in Crane Building.



JESSOP & APPLEBY BROS. (LEICESTER) LTD.

Works: LEICESTER, Eng. Offices: 22 Walbrook, LONDON, Eng.

Highest British Awards for Cranes at Paris, 1879, 1889 and 1900.

tween frames, etc., required for use in harbor, dock, and bridge building, boiler shops, railway goods stations, and for many other purposes.

We have also built Goliath cranes, with open ends and main girders projecting beyond vertical supports. One of them, of 90 tons power, has two crabs, and is used for delivering blocks on either or both sides of the jetty on which it travels. Prices on application with details of dimensions required.

Page 11 shows a portable Steam Derrick Crane.—The engraving represents a steam crane of 30 tons power, with jib adjustable to any radius between 33 and 55 feet, with or without the load suspended. The mast, jib and back-ties are mounted on a steel girder-frame under-carriage, with flanged travelling wheels, the necessary stability being obtained by placing concrete blocks on the carriage forming the base of each back-tie. The engines and machinery are attached to the mast, and power for lifting, slewing, altering radius of jib, and for travelling is transmitted from the driver's platform, which also carries the boiler, and all motions are controlled by one man.

Cranes of similar construction are built of all powers and proportions to work by steam, or electric motors; for the latter, see page 68. Prices on application with details of dimensions required.

Page 14 shows a Portable Gantry Steam Crane of 20 tons power. Cranes of this construction leave the quay clear for free circulation of traffic, and the height of the crane above water-level admits of loading or discharging (even in tidal harbors) in all states of

the tide, the driver always having full view of his work.

The crane illustrated is of 20 tons power, and will ship more than 200 tons of coal per hour. When not employed for this purpose, it is used for miscellaneous service in handling heavy or bulky packages, marine repairs, lifting and stepping masts, etc.

The Engineer in Chief of the docks, for which these cranes were built, has expressed the opinion that "they are the best designed cranes for localities

where there is not only a large coal trade, but other trades."

The gantry is built of steel, and the under carriage is provided with steel wheels. It spans two lines of ordinary gauge railway and the height admits of rolling stock passing under it.

The jib is also constructed of mild steel; the radius is 38 feet, and the height above water-level 70 feet.

The lifting machinery has three powers or speeds which make the crane available for light or heavy loads.

Special 22 Rifle, Long Barrel,

AT LOW PRICE.

AIR GUNS OF ALL KINDS, AIR PISTOLS
DARTS and SLUGS and all ACCESSORIES.



The Ironmonger's Cartridge Loaded with any Powder at Lowest Prices.

F. JOYCE & CO., 7 Suffolk Lane, LONDON, E.C., Eng.

NOTE.—Buyers of these Guns in Canada have 33⅓ p.c. in their favour, by Purchasing in England, under the new tariff, from this firm.

BROWETT LINDLEY & CO. LTD.

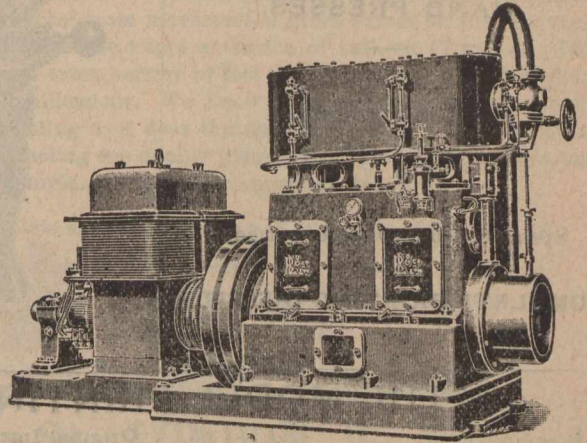
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Manufacturers of High-Speed,
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STEAM ENGINES.

For Driving Dynamos Direct.

We are pleased to quote for complete STEAM DYNAMOS, completely and thoroughly tested on full load at our works and delivered F. O. B. English Port.



SOUND & RELIABLE BRITISH MANUFACTURE.

STOCKS AND BONDS.

NAME.	Par Val's.	Capital Subscribed.	Capital paid-up.	Rest.	Div. last 6 Ms	Dates of Dividends.	Per Cent. Price Dec 11 (Bid)	Cash value per S.
British North Am.....	243	4,366,666	4,366,666	1,776,333	3	Apr. Oct	136	330 48
Can Bank of Commerce	50	8,000,000	8,000,000	2,500,000	3 1/2	June Dec	167	78 50
Commercial, Windsor..	40	500,000	350,000	60,000	3	.....	105	42 00
Dominion.....	50	2,500,000	2,500,000	2,500,000	*2 1/2	May	244	122 00
Eastern Townships.....	50	2,000,000	1,742,535	1,290,000	3 1/2	Jan July	161	80 50
Halifax Banking Co.....	20	600,000	600,000	500,000	3 1/2	Feb. Aug	135	35 00
Hamilton.....	100	2,000,000	2,000,000	1,600,000	5	June Dec	233 1/2	232 50
Hochelaga.....	100	2,000,000	1,981,000	950,000	3 1/2	June Dec	138	138 00
Imperial.....	100	2,868,000	2,868,932	2,438,595	5	June Dec	240	240 00
Merchants' Can.....	100	6,000,000	6,000,000	2,600,000	3 1/2	June Dec	159	157 50
Molson's.....	50	2,500,000	2,500,000	2,150,000	4 1/2	Oct April	216	107 00
Montreal.....	200	12,000,000	12,000,000	8,000,000	5	June Dec	275	550 00
Nationale.....	30	1,469,700	1,430,550	350,000	3	May Nov	195	58 50
New Brunswick.....	100	500,000	500,000	700,000	6	Jan July	300	300 00
Nova Scotia.....	100	2,000,000	2,000,000	2,800,000	4 1/2	Feb. Aug.	250	750 00
Ontario.....	100	1,400,000	1,400,000	425,000	2 1/2	June Dec	130	151 00
Ottawa.....	100	2,000,000	2,000,000	1,765,000	4 1/2	June Dec	225	225 00
People's of N. E.....	150	180,000	180,000	155,000	4	June Dec	250	375 00
Provincial.....	25	873,487	781,248	.....	3	June Dec	.....	.....
Quebec.....	100	2,500,000	2,500,000	800,000	3	June Dec	118	118 00
Royal.....	100	2,000,000	2,000,000	1,700,000	3 1/2	Feb. Aug	186	186 00
Sovereign.....	100	1,300,000	1,031,000	190,000	.....	.....	.....	.....
St. Stephen's.....	100	200,000	200,000	45,000	2 1/2	April Oct	246	123 00
Standard.....	50	1,000,000	1,000,000	850,000	5	April Oct	246	123 00
Toronto.....	100	2,500,000	2,499,000	2,599,000	5	June Dec	253	253 00
Traders.....	100	1,350,000	1,350,000	350,000	3	June Dec	125	125 10
Union (Halifax).....	50	1,000,000	1,000,000	505,608	3 1/2	Mch Sept	168	84 00
Union of Canada.....	100	2,000,000	2,000,000	650,000	3	June Dec	123	123 00
Western.....	100	500,000	419,000	150,000	3 1/2	Apr Oct	140	141 00
Agri. Sav. and Loan Co.....	50	630,200	630,200	207,000	3	Jan July	117	58 50
Bell Telephone Co.....	100	5,000,000	5,000,000	800,000	4 1/2	Jan *	170	170 00
Brit. Can. Loan & Inv. Co.....	100	1,937,900	398,481	120,000	2 1/2	Jan July	128	128 00
Brit. Mortg. Loan Co.....	100	450,000	359,214	130,000	3	Jan July	128	128 00
Can. Colored Cot. Mills Co.....	100	2,700,000	2,700,000	.....	3	Jan *	50	50 00
Can. Landed & Nat'l Inv't Co.	100	2,008,000	1,004,000	350,000	3	Jan July	108	108 00
Can. Per. & W. Can. M. Corp'n.	10	5,951,350	5,951,350	1,490,057	3	Jan July	120	12 00
Can. Sav. & Loan Co.....	50 & 7 1/2	750,000	750,000	350,000	3 1/2	Jan July	114	57 00
Central Can. Loan & Sav. Co	100	2,500,000	1,250,000	450,000	*1 1/2	Jan July	136	136 00
Dominion Sav. and Inv. Co.	50	1,000,000	334,200	40,000	2	Jan July Dec	72	36 00
Dominion Telegraph Co.....	50	1,000,000	1,000,000	.....	1 1/2	Jan *	124	62 00
Dominion Cotton Mills Co.....	100	3,333,600	3,333,600	.....	6	Mar *	54	54 00
Hamilton Prov. and Loan.....	100	1,500,000	1,100,000	340,000	3	Jan July	119	119 00
Home Sav. and Loan Co.....	10	2,000,000	200,000	200,000	3 1/2	Jan July	135	135 00
Huron & Erie Loan & Sav. Co	50	3,000,000	1,400,000	925,000	4 1/2	Jan July	183	91 50
Imperial Loan and Inv. Co.....	100	839,851	734,590	74,300	3	Jan July	70	70 00
Landed Banking and Loan ..	100	700,000	700,000	210,000	3	Jan July	111	111 00
Land. & Can. Loan and Ag.	50	1,000,000	877,267	87,500	3	Jan July	68	34 00
London Loan Co.....	50	679,700	678,550	160,000	3	Jan. July	110	50 00
Mantoba & North-W. Ln Co	100	1,500,000	375,000	51,000	.....	Jan July	75	75 00
Montreal Telegraph Co.....	40	2,000,000	2,000,000	.....	2	Jan	170	61 00
Montreal Gas Co.....	40	3,000,000	2,998,640	.....	5	April Oct	247	123 50
Montreal Street Ry. Co.....	50	5,000,000	4,500,000	560,318	2 1/2	Feb. *	250	140 00
Montreal Cotton Co.....	100	1,400,000	1,400,000	600,000	4	Mch. *	128	128 00
Merchants Cot. Co.....	100	1,250,000	1,250,000	.....	4	Feb	65	65 00
Montreal Loan and Mortg.....	25	500,000	500,000	360,000	3 1/2 & 1	Mch Sep	137 1/2	34 37
Ont. Indus. Loan and Inv.....	100	373,000	271,993	150,000	3	Jan July	.....	.....
Ont. Loan and Deb. Co.....	50	2,000,000	1,200,000	560,000	3	Jan July	122	61 00
People's Loan and Dep. Co.	50	600,000	600,000	40,000	.....	Jan July	42	21 00
Real Est. Loan Co.....	40	578,840	373,720	50,000	2	Jan July	76	30 40
Richelieu and Ont. Nav. Co.	100	2,088,000	2,088,000	162,355	3	May Nov	97	97 00
Mont. Heat, Light & Power Co	100	2,250,000	2,250,000	.....	.....	Jan. *	89	89 00
Toronto Electric Light Co.....	100	2,000,000	2,000,000	.....	.....	Jan. *	154	154 00
Toronto Mortgage Co.....	50	1,120,860	724,000	250,000	2 1/2	.....	89	44 50
Toronto Street Railway.....	100	6,000,000	6,000,000	.....	.....	Jan. * July	115	115 00
Windsor Hotel.....	.....	.....	.....	.....	.....	.....	80	80 00

* Paying quarterly dividends.

These cranes are made of any lifting power, radius of jib, span or height of gantry, and with or without steam travelling motion.

Page 134 shows a Concrete Mixing Machine, with continuous feed and delivery. The engraving represents a type of machine which has been used with complete success in the construction of dock and harbor works, piers, etc., in all parts of the world. The materials are fed into the fixed hopper, and the mixing cylinder with spiral internal blades being slowly revolved, the materials are continuously turned over and thus thoroughly incorporated by the time they are delivered at the lower end. The machine is constructed throughout of iron and steel, and the price of the usual size, which produces more than 100 tons of concrete per day, is about £125.

Concrete Mixers with intermittent delivery. These and all other types of concrete mixing machinery must—for the most part—be specially designed and arranged.

Contractors' plant and machinery.—Our experience in designing and building plant for the rapid and economical execution of large works, ever since steam power began to be used in connection with it, will be at the disposal of those who wish to have our assistance.

Write for price list, etc., to Jessop & Appleby Bros., Leicester and London, England.

JOHN THOMPSON & CO.

Making a specialty of the most durable, non-conducting composition coverings for steam pipes of all sizes and descriptions, the firm of Messrs. John Thompson & Co., of Ashton-Under-Lyne, England, have achieved success in their chosen calling beyond that which even their life study in this brand might have made possible.

When a man is having a suitable dwelling-house erected, he is most anx-

The Best MONEY MAKER for a Job Printer, is the IMPROVED "MODEL" SELF-INKING PRINTING PRESS.

Made in seven sizes—4 for hand use and 3 for Treadle.
This cut shows our smallest size Treadle Machine.

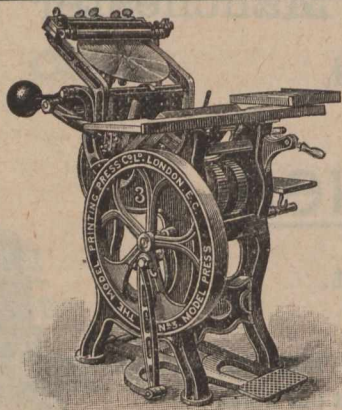
HAND PRESSES.

Inside of Chase.

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ious to have the more mysterious fittings so secured that they can be thoroughly relied on to act their part with the same assurance of safety as that reposed in the corner stone. The parts he looks after with the greatest care and in giving the contract for which he devotes more studious time, are the steam-fitting, plumbing, etc. These not only require greater skill in placing, but the second and larger interest is in having them so protected that neither heat, cold, fire or water may injure them or cause them to be the origin of injury to adjacent portions of the building.

The firm of Messrs. John Thompson & Co., of Albion Place, Russell Street, Ashton-Under-Lyne, Eng., have made this business a special study for thirty-two years, and instead of following old lines in the interval, have penetrated into the depths of science and have brought forth new and vastly improved ideas for the simple and safe preservation of steam pipes, which are fast replacing the older commodities as their varied points of preference are becoming better known.

Messrs. John Thompson & Co. are manufacturers of the Real Non-Conducting Composition, Asbestos, Silicate Cotton (Slag Wool), Magnesia moulded pipe sections. Dealers also in red and black varnish. Thousands of references and testimonials on application.

Magnesia Moulded Pipes. Sole agents for Ashton, Stalybridge and districts for sectional magnesia, with all the latest improvements for covering hot water pipes, steam pipes, boilers and cylinders. Cold water pipes, to prevent freezing, and fireproofing buildings, etc. Magnesia sectional covering with flange boxes, is theoretically the best of non-conductors, for it possesses the lightness of cork, the porosity of sponge, and a firmness and strength which, considering its levity, is quite remarkable. Practically, Magnesia Covering is the beau-ideal of a non-con-

ductor. Added to Magnesia Carbonate is a fibre which gives it tenacity and adhesion, enabling it to be moulded into forms and sizes to suit almost any size and shape of steam appliance. We have sections for pipes, easily applied or replaced.

Following are a few references where our Magnesia Covering is in use:—John Hill and Sons, Tunda Cake Factory, Ashton-under-Lyne; National Gas Engine Co., Limited, Ashton-under-Lyne; Messrs. John Knox and Sons, Wharf St. Mill, Ashton-under-Lyne; New Moss Colliery Co., Limited, Ashton-under-Lyne, 10,000 feet; W. Rutteau and Co., Good Hope Mills, Ashton-under-Lyne; Coombe, Barbour and Coombe, engineers and boiler makers, Belfast, Ireland; Thomas Oliver and Sons, Waterhouse Mills, Bollington; Messrs. Greg and Co., Lower House Mills, Bollington; John Harwood and Sons, Cobden Mills, Moses Gate, Bolton; District Electric Supply Co., Limited, Bournemouth; River Mill Co., Limited, Dukinfield, 10,400 feet; Bannerman Mill Co., Dukinfield, 700 feet; Jos. Buckley and Co., Ltd., Linfitts Mill, Delph, nr. Oldham,

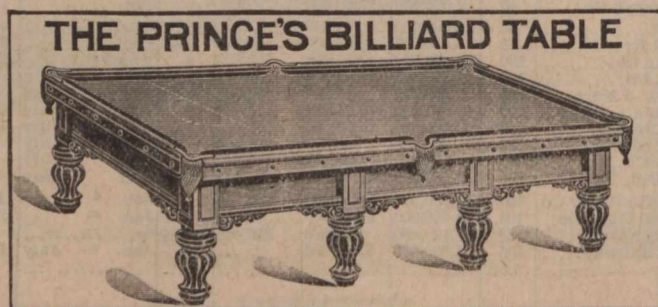
1,500 feet; Jos. Shaw and Co., Ltd., Rasping Mills, Delph, nr. Oldham, 1,500 feet; New York Mill Co., Dimited, Heywood, England, 10,600 feet; R. Spedding and Sons, Little Hulton; Diamond Match Works, Liverpool; Ostles Parmer and Co., Bermondsey, London, E.C., 2,000 feet; Central Traction Co., Limited, Westminster, London; Manchester Alum Works, Manchester; Mooseley Hotel, Manchester; Sir R. Arkwright and Co., Limited, Masoon Mills, Matlock Bath; J. and J. Chapman, Culcheth Dye Works, Miles Platting, 700 feet; R. Radcliffe and Sons, Mossley, near Manchester, 1,000 feet; Brunswick Mill Co., Limited, New Mills, nr. Stockport; Summervale Mill Co., Limited, Oldham, 400 feet; B. and S. Massey, Openshaw; R. Platt, Limited, Quarry Street Mills, Stalybridge, 1,100 feet; Electric Light Station, Sunderland.

Testimonials.—From Robert Platt, Limited, Quarry Street Mills, Stalybridge, Oct. 5, 1899.—“The Magnesia Sectional Covering, with which you have covered the steam pipes of our new engines, we have found to be superior to any other covering we have

KENT & CO.,

City Billiard Works,

“BAIZES, LONDON.
Telegrams:



Middlesex St., - LONDON, E.C., England.

Manufacturers of every description of Billiard Tables and Accessories,
for Canadians under the New Preferential Tariff.

Marion & Co's "Folding Imperial" Cameras

No. 20 Folding Imperial.

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It is covered leather, R.R. Lens, F8 with Iris diaphragms, time and instantaneous Shutter, reversible View Finder, Cloth Bellows, rising front, focussing scale and focussing screen, rack and pinion extension swing back and front cross movement of great extent for the front carrying lens, and automatic triple extension of bellows, 17 inches. This allows of lenses of every variety of foci being used, including telephoto work of low magnifications. We know of no such complete equipment at the price, enabling as it does the user to undertake any and every class of work including one double plate-holder, pneumatic release, and tripod bushes, complete in stiff cloth carrying case.

Price complete as described above, 5 by 4 plate, £6 10 0

Extra Plate-Holders, 5 by 4, each 2 9

No. 21 Folding Imperial.

As above No. 20, but for 7 by 5 or 1/2-plates..... £8 10 0

Extra Plate-Holders, 7 by 5 or 1/2-plateseach 6 0

Illustrated Catalogue, 300 pages, post free, 1/- Booklets Free. Manufacturers of Photographic Plates, Papers, Mounts, Apparatus and Materials of Unsurpassed Excellence.

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had. They are considerably handier in case of pipes being burst, and being in moulds, formed in convenient lengths, they can readily be stripped off until the pipe is repaired, and then again replaced." Per pro Robert Platt, Limited—Benjamin Brooks.

From the Corporation of Sunderland Electric Supply Station, April 1st, 1896. —"As to the suitability and good qualities of the Magnesia Sectional Covering, I have much pleasure in saying that I am perfectly satisfied that it is the best non-conductor covering which I have used, and I am also so satisfied with it that, in our new extensions for two boilers and a range of steam piping, I have specified that the pipes must be covered with Magnesia Sectional Covering." I am, yours faithfully, (Signed) C. S. Vesey Brown.

New York Mill, Heywood, England, Aug. 6, 1901.—Mr. J. Thompson.—Dear Sir,—This is to certify that you have covered our high and intermediate cylinders with Silicate of Cotton, and a finishing coat of your own Composition two inches thick, and I am pleased to

say it is very satisfactory, and one of the coolest non-conductors I have ever experienced. We are working at a pressure of 180 lbs. The pipes you have covered with Sectional Magnesia are also very satisfactory." Yours respectfully, J. W. Heywood, Manager.

From the Carrs Manufacturing Company, Limited, Hurst, Ashton-under-Lyne, Nov. 28, 1887. To Mr. John Thompson. Dear Sir,—It affords me great pleasure in stating that the Non-Conducting Composition as supplied by you, and with which our boilers, pipes, etc., are covered, give entire satisfaction, and I can therefore confidently recommend the same. George Birtwistle, manager.

From the Horsfield & Co. Greenfield Mills, Hyde, July 6, 1888.—To Mr. John Thompson—Sir,—In reply to you of the 5th instant, we beg to say that the cylinders, pipes, etc., you covered us with your Asbestos Composition are perfectly Satisfactory. Saml. Horsfield, Horsfield & Co., Limited.

From G. H. Kenworthy & Son, cotton spinners, Cavendish St. Mill, Ashton-

under-Lyne, January 24, 1889. To Mr. John Thomson, Ashton-under-Lyne. Dear Sir,—I can certainly recommend your Non-Conducting Composition, as it has given us satisfaction for the last your years. It is both durable and well finished, and we don't hesitate to say we shall give you the work of covering the cylinders and new pipes for the new engines we are at the present time putting in, Yours truly, John W. Kenworthy.

From the Fish Biscuit Co., Limited, Grimsby, August 19, 1889. To Mr. John Thompson, Ashton-under-Lyne, Dear Sir,—Your Asbestos Non-Conducting Composition which you supplied us is far superior to some we purchased from a London firm, and we are extremely pleased with it, after being in use 4 years, it is as good as ever. Yours truly, The Fish Biscuit Co., Ltd., per T. H. Barker.

From John F. and C. Kenworthy, shawl and flannel manufacturers, Buckley New Mill, Uppermill, Nov. 12, 1880. To Mr. John Thompson. Sir,—The Asbestos Composition with which you

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Patentees of the celebrated brands.

The "PIONEER"
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W. & E. Turner, Limited,

Wholesale and Export
Boot & Shoe Manufacturers,

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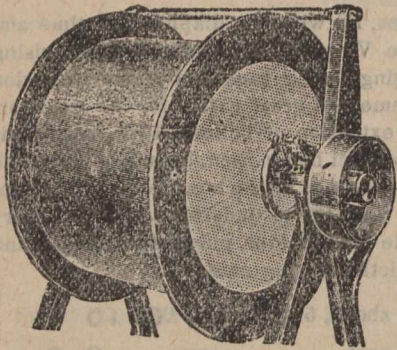
C HURCHGATE, Leicester, England.

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The Patent Electro-Magnetic SEPARATORS.

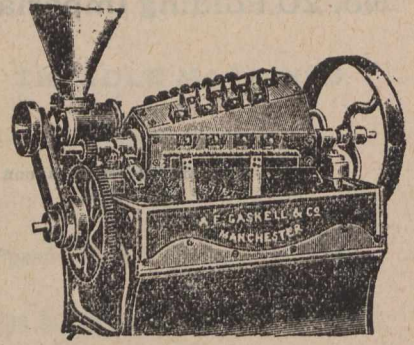


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Contractors to Admiralty.

Works: ROCHDALE, Eng.

Special Terms to Canadians under the New Canadian Tariff.

covered our boilers, pipes, etc., has given us entire satisfaction, and we can recommend it to others. James Kenworthy.

From the Co-operative Sundries Manufacturing Society, Ltd., Droylsden. To Messrs. J. Thompson & Co., Ashton-under-Lyne. Gentlemen,—We are quite pleased with your Asbestos Covering which you have fixed to our boilers and pipes, it is well finished, very cool, and answers the purpose it aims at. We have therefore every confidence in recommending it to steam users. Yours truly, Mm. Simson, secy.

From the Co-operative Wholesale Society, Limited, Manchester, March 16, 1894. To Messrs. J. Thompson & Co., Ashton-under-Lyne. Gentlemen,—In answer to yours on March 8, I am directed by the Committee to say that it is not our practice to give testimonials, but in case anyone is referred to us regarding your work here of 10,000 feet of Asbestos Covering we shall be able to speak of it favorably. Yours truly, pro Society, T. Brodrick.

From Messrs. J. and W. Hamer, cotton spinners, Union and Walk Mills, Ashton-under-Lyne, March 21, 1901. To Mr. John Thompson, Dear Sir,—We beg to say that the boilers and pipes you have covered for us during the last 20 years have always been done in a satisfactory manner, and we are pleased to recommend your work as worthy of patronage. Yours truly, J. & W. Hamer, per J. Hamer.

Address for particulars and special terms under new Canadian tariff, John Thompson & Co., Ltd., Albion Place,

Russell Street, Ashton-under-Lyne, England.

J. BURGESS & SON.

There is a certain air of mystery attached to a pair of suspenders or to the elastic web in a pair of shoes which all the eloquence of the persuasive retail salesman cannot quite fathom—at least to the entire satisfaction of such of his customers as have had them “tried and found wanting” after the first few weeks or months’ wear. Were all retail dealers to inquire closely into the origin of that which they buy and find out for a certainty whether such a web in a suspender or boot was really of the enduring make which would outlive the rest of the article, their purchases and subsequent sales would, at least, be governed by their conscientiousness in the matter, and it would remain with themselves to speak the truth in representing their goods and then stick by what they said, or give a verbal—an “elastic” guarantee with everything and afterwards stick by nothing, but merely sell hap-hazard and trust to fate. It is a pity to feel that too many retail dealers take the latter course.

For the benefit of our readers and the trade in general we will here refer to a manufacturing firm, Messrs. J. Burgess & Son, of Leicester, England, who make elastic webs for boots, suspenders, etc., of a quality which defies the durability of the rest of the article of which it

forms a part, to wear its elasticity out or even cause it to “draw” or become partially useless. This firm are called pioneers in the elastic web trade, having been established shortly after the middle of the 19th century, and from a small beginning have long since had to erect four separate mills in which to keep pace with their stealthily growing demands.

There are so many inferior qualities of elastic web sold everywhere, no person seemingly knowing where they come from until they appear in the shop windows with all the fine finish that would do justice to a genuine silk web, that it is only after a man has a few months’ experience with them on his feet or his shoulders that their intrinsic merits are found (or rather too often found wanting). Messrs. J. Burgess & Son manufacture the “Challenge” elastic boot webs, cords, braids and garter webs, this brand being known for its durability and sought by buyers wherever tried. Under the new preferential tariff English goods are now admitted into Canada at a reduction of a third in duty, and as a result this firm are desirous of making their goods better known in the Dominion, feeling confident that trial orders will result advantageously to both.

This firm are also large manufacturers of elastic cords, braids, garter webs and loom elastics, likewise special qualities for the clothing, dressmaking, suspender, neck tie trade, etc., and for these latter goods their sole agents in Canada are Messrs. E. W. Mudge & Co., No. 5 St. Peter street, Montreal.

Established 1838.

Exchange, Tuesday and Friday, 1-30 to 3, N. Pillar.

Telegraphic Address,
“LEES, BARDSLEY, ASHTON-UNDER-LYNE,” Eng.

Abel Lees & Sons,

ROLLER AND SHAFTING MAKERS.

Makers of all kinds of FLUTED AND PLAIN BOTTOM AND TOP ROLLERS for Cotton, Woollen and Silk Machinery.



New Front Lines of Rollers, Steel Hardened, or with Necks and Squares Hardened, or Ordinary. Spare Top Rollers, Loose Boss Shells or Spindles Supplied. Centre Shafts—Steel, Case-Hardened or Ordinary. Prices on Application.

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who may be depended on to use every endeavor in furthering the aims of this prominent manufacturing firm in making better known the high class and durable quality of their manufactures. For elastic boot webs address Messrs. J. Burgess & Son, Brougham Street Mills, Leicester, Eng.

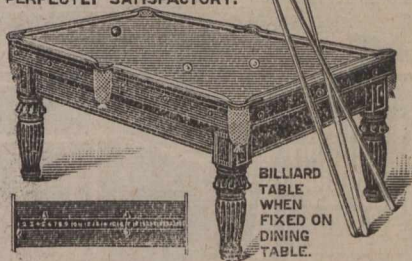
struction beyond even what continued ear lessness and ill-treatment usually bring about.

These qualities have sold and sustained Kent's tables and Kent's reputation wherever they have been shipped;

acquainted with the Canadian trade as they read so much of the marvellous growth which Canada is attaining of recent years, and they will be pleased to mail full particulars, price list, etc., to any interested inquirers, feeling confident that full satisfaction will result from any and all trials of the tables they turn out. Among the firm's novelties are several makes of combination dining and billiard (or pool) tables. These are both low-priced and economical as to space. Write them. Address: Kent & Co., City Billiard Works, Middlesex street, London, E.C., England.

KENT & CO.

NOT A TOY.
 MONEY RETURNED
 IF NOT
 PERFECTLY SATISFACTORY.



BILLIARD TABLE WHEN FIXED ON DINING TABLE.

Prominent among manufacturers of every description of billiard tables and accessories is the London, Eng., firm of Messrs. Kent & Co. Among this firm's patrons are numbered hundreds of the most prominent names in both social life and public enterprises. The principal features distinguishing the tables made by Messrs. Kent & Co. are perfection of finish beyond the most penetrating criticism, and durability of con-

and to-day the firm of Messrs. Kent & Co. do not require to adopt the extreme measures for the sale of their manufactures which is so customary where such reputation is not well established. The firm, however, desire to become better

THE "LUX-CALOR."

RITCHIE'S PATENT CONDENSING GAS STOVE.

Additional interest has been aroused of late in the various economical meth-

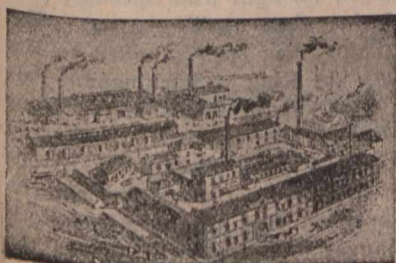
Telegrams, "SHIPMAN, SHEFFIELD."

Honourable Mention International Exhibition, 1862.

J. SHIPMAN & CO.

Attercliffe Steel Works and Wire Mills,

SHEFFIELD, - ENG.



Paragon Umbrella Wre, Rope Wire, Needle Wire,
 Music Wire, Steel Wire of every Description

TOOL STEEL, MINING STEEL, &C.

Special Prices to Canadian
 under the New Tariff.

ods of supplying heat, through the fears of a fuel famine, which became so widespread on account of the great coal strike. If from such temporary reverses permanent good will come, the world will be a gainer thereby. Among the various new heating devices appearing of late the name "Lux-Calor" stands prominently out as suggesting a patent condensing gas stove, which is fast gaining popularity owing to the many superior merits it possesses.

No flue required. Supplied to His Majesty the King at Buckingham Pal-

century. Their stoves are excellent in finish, scientific in principle, and artistic in design and coloring. Last season there was such a largely increased demand for these stoves from all parts of Great Britain and from abroad, that Ritchie & Co. have extended their works so as to be equal to all requirements. Telegrams, "Warmness, London."

A5, as shown in illustrated pamphlet, is suitable for use in bath rooms or small offices, 36s. Mica chimneys, 2s each.—E1. For small rooms, halls or offices, 55s. Mica chimneys 2s each.—D3. For rooms, shops, halls, conservatories or offices, 75s. Mica chimneys, 3s each.—D1. For shops or warehouses,

Analysis of condensed products.—"The products ensuing from the automatic system of condensation in these stoves amount to an average of 40 fluid ounces in 10 hours, and consist of water, sulphuric acid, sulphurous acid, carbonic acid, iron, ammonia, and some organic matter." (Signed) Edward V. Gardner, F.A.S., M.S.A.

This stove combines the greatest possible economy at present attainable by any heating stove in the world, with absolute freedom from the least possible pollution whatever of the air of the room in which it is used, and that without any chimney or flue.

Ritchie & Co. brought out, a few years ago, the C5 "Lux-Calor"—a dou-



ace; The Bank of England; the Mansion house; the Guildhall; the Society of Arts, the Royal Observatory, Greenwich; the London County Council; the Metropolitan Fire Brigade; the Stock Exchange; "The Lancet" Office; and the principal Gas Companies of the world. Ritchie & Co., original patentees and proprietors. Contractors to the London gas companies, 46 Hatfield street, Southwark, S.E., London, Eng. (Near Blackfriars Bridge.) Special prices to Canadians under the new tariff, 33.1-3 per cent. in favor of Canada.

Messrs. Ritchie & Co., are the original patentees and makers of condensing gas stoves, and have the experience acquired during the last quarter of a

with atmospheric burner, 70s.—C3. For large halls, schoolrooms, hospitals or offices, with two burners, 115s. Mica chimneys, 3s each.—C5. As supplied to His Majesty the King. For clubs, theatres, and private halls, with two burners, 252s. Mica chimneys, 3s each. The report of the "Lancet" special analytical sanitary commission says of the "Lux-Calor"—"This stove produces the best results as regards heating effect." The "Lancet" table shows that, taking the cost of gas at 3s a thousand cubic feet, and coal at 25s a ton, the "Lux-Calor" gives a heating effect equal to a coal fire at 20 per cent. less cost, or equal to that of the other gas stoves tested at from 50 to 80 per cent. less cost.

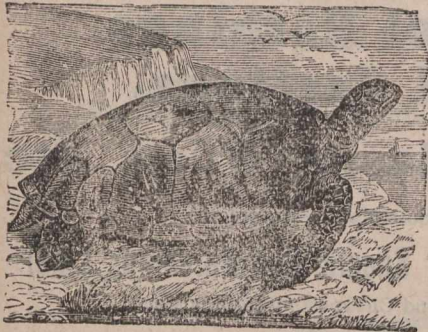
ble burner stove fitted with a grille of artistic design in wrought iron, backed with copper wire gauze, and with a stained glass shutter to soften the light. These stoves seem to have met a want, and a large number of them are in use in the best West end houses, clubs, shops and theatres. Ritchie & Co. have now a selection of very fine designs in wrought iron, specially prepared for these grille stoves. The "Lux-Calor" has been supplied to His Majesty the King at Buckingham Palace; the Bank of England, the Mansion House; the Guildhall; the Society of Arts; the Royal Observatory, Greenwich; the London County Council; the Metropolitan Fire Brigade; the Stock Exchange; "The Lancet" Office; the

T. K. BELLIS'S, Real Turtle Soup & Turtle Jelly,

By Royal Appointment
to the late Queen Victoria.

For Invalids, Travelers, Dinner, Supper Parties and Luncheons, will often save a valuable life.

Easily Digested, Sustaining, Nourishing and the best food for Invalids, in fact unless Turtle Soup or Turtle Jelly have been administered, it cannot be said that the utmost has been done for the sufferer.



These preparations are guaranteed to be the product of the finest Imported Live Turtle, and vastly superior to any forms of Meat Extract.

The Soup is put up in pint tins, price, 5/- (exactly half the price usually charged) and in Glass Flacons, 7/- The Turtle Jelly is sold in 2/6 glass bottles, ready for use. Full instructions for use on each package. From Chemists, Grocers and Stores; or orders and remittances can be addressed.

The T. K. BELLIS TURTLE CO., Limited,
15 Bury Street, ST. MARY AXE,
LONDON, E.C., Eng.



Canadian Buyers are reminded, they have 33 1/3 p.c. in their favor, under the New Tariff.

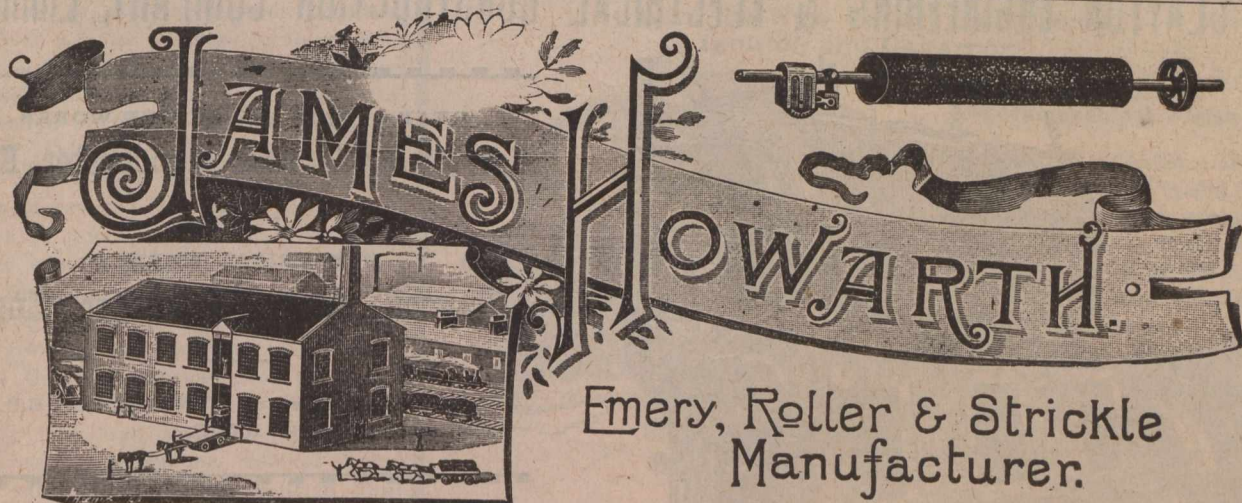
leading London theatres and clubs; many of the provincial corporations, and the principal gas companies throughout the world. Write for particulars to Ritchie & Co., contractors to the Gas Light and Coke Company and the South Metropolitan Gas Company, gas engineers, patentees, and makers of all kinds of decorative work in wrought iron, brass and copper, 46, Hatfield street, southwark, S.E., London.

PATENT REPORT.

The following complete weekly list of patents granted to Canadians is furnished by Messrs. Fetherstonhaugh & Co., patent solicitors, Canada Life Building:—T. Buchanan, railway ties;

W. J. Ruddell, hand hose; C. J. Smith, threshing machines; A. Hamill, chucks for rock drills; C. W. Vollmann, air coolers and purifiers; A. O. Connor, potato digging implements; J. E. Currie, brushes; J. Poirier, car fenders; J. Morrissett, pistons; F. S. Smith, broom clasps; G. A. Watson, boot and shoe holding appliance; A. O'Boone, gasoline burners; R. Stokes, coal oil or petroleum heaters. American patents.—J. C. Burgess, cold-iron shears; S. Fader, knob attachment; J. B. Ha, water-heating apparatus; C. H. Hutchings, machine for molding concrete fence-posts; J. A. Lesperance, folding bed; R. McArthur, attachment for bob-sleighs; J. E. Y. Rochester, ball-bearing; Christian Schallberger, wood-preserving compound; C. H. Stainton, P. M. Armstrong and J. H. Prowse, valve.

Owen N. Evans, solicitor of patents, and expert, Temple Building, reports the following patents granted to Canadians: United States.—Apparatus for making sand bricks, L. T. Leet; fountain brush, G. D. Mernery; collar-button, B. Murphy; fly-trap, J. Arnold; adjustable socket-wrench, J. C. Burgess; mowing-cachine cutter, A. Chana; wind-stacker, C. Hearn; bread-slicer, C. D. Spates; separable ledger, J. P. Warne. Canada.—Hand hoes, W. J. Ruddell; threshing machine, C. J. Smith; chucks for rock and rills, A. Hamill; air coolers and purifiers, C. W. Vollman; potato digging implement, A. O. Conner; brushes, J. E. Currie; car fenders, Jos. Poirier; broom clasps, F. S. Smith; gasoline burners, A. O'Boone; coal oil and petroleum heaters, R. Stokes; heat insulation for handled vessels, the Meridan Britannia



MILKSTONE EMERY ROLLERWORKS. ROCHDALE, ENGLAND.

Improved ROLLER GRINDING FRAMES of all descriptions.

ROLLERS RE-COVERED with COMPOSITION and EMERY manufactured on an Improved Principle by our own Patent Machinery.

The Emery is very angular and requires only a light touch on the Card and is guaranteed true, being especially adapted for tempered Steel Cards.

EMERY FILLETING. WOOD and IMPROVED FLEXIBLE CLOTH STRICKLES made to Order, any size or shape.

GOLD MINERS DRILL STEELS

HOBSON, HOUGHTON & CO.SUCCESSORS TO FRANCIS HOBSON & SON
SHEFFIELD, ENGLAND.MINERS
HAMMERS
& PICKS

Sole Manufacturers of

HOBSON'S "CHOICE"
(XX) Extra Best & "Warranted" Best**Cast Steels,**
FOR TOOLS, &c., &c.HOBSON'S "CHOICE" Extra Quality NEEDLE WIRE,
as supplied to leading consumers for 90 years, in the
United States of America.

Specialty for Machine or Hand Drilling

Established upwards of 100 Years.

Co., Ltd; valve seats, S. Gillispie; forge
tuyere, Y. Girard; gas furnaces, T. P.
Shaw, et al; skin food composition, C.
Tacker; grain doors, Jas. O. Oakley;
pneumatic hoists, T. Barrow; hat
guards, Wm. Nirole; method of prepar-
ing and packing hay for shipment, D.
M. MacPherson; metallic tires, Wm.
Thompson; load lifting waggons, F.
A. Perkins; root pullers, A. E. Bunt;
placket device for use in ladies skirts
or dresses, A. C. E. Lowman; seed
drills, R. Sylvester; bicycle lamps, J.
P. Browning; opener and lip turner
for boot and shoe soles, G. Broomfield;
secondary batteries, J. W. Madigin;
voting machines, A. A. Farwell; ad-justable foot gear for wind-mills, J.
D. Downie.

THE HOME STRETCH.

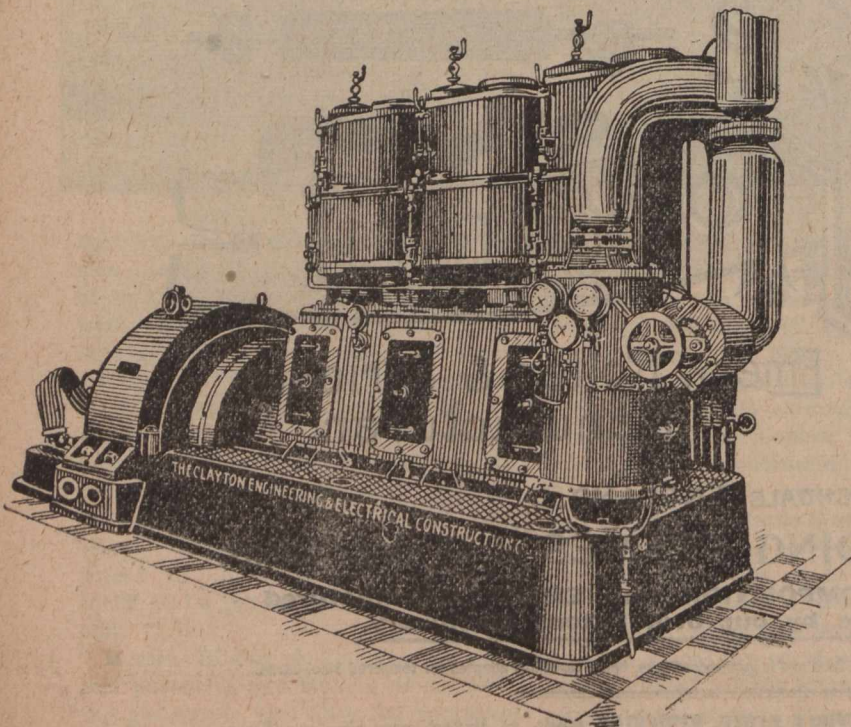
The following letter, the last for the
year of a monthly series by a promi-
nent life insurance manager, contains
many useful hints which it might not
be amiss to dwell on even outside the
insurance calling:"The home stretch! The period of
the race during which our best work
is done; when every nerve is stretched
to the utmost; when every moment**Steel Forgings
And Castings.**

Horse Rasps, Files, Etc.

Sole Manufacturers of

"SOHO" Special Self-Hardening Steel
Best and Cheapest on the Market.Canadians have 33 $\frac{1}{3}$ p.c., in their favour, by purchasing these
English goods from us, under the new Canadian Preferential
Tariff.

New York Office and Warehouse.

counts; when we achieve what at
other times we should consider alto-
gether impossible; when there is a
universal desire on the part of every
one to get the maximum results be-
fore the year is gone and the race is
run. This has been so far such a
splendid year for the society as a
whole that I am sure every loyal man
will have a pride in making the
last month its crowning success
by giving his best effort and the
largest possible business during
the next thirty days, no matter
whether his record so far be good or
bad. If the former, he has the same
stimulus that we have in maintaining**The CLAYTON ENGINEERING & ELECTRICAL CONSTRUCTION COMPANY, Limited.**

HEAD OFFICE AND ENGINE WORKS :

Newton Hyde, near Manchester, Eng.

ELECTRICAL WORKS :

Clayton, near Manchester, Eng.

Telegraphic Address : "DYNAMO, HYDE."

Telephone : No. 62, HYDE.

DIRECT-COUPLED.....

High-Speed Plants

for

Traction or Lighting.

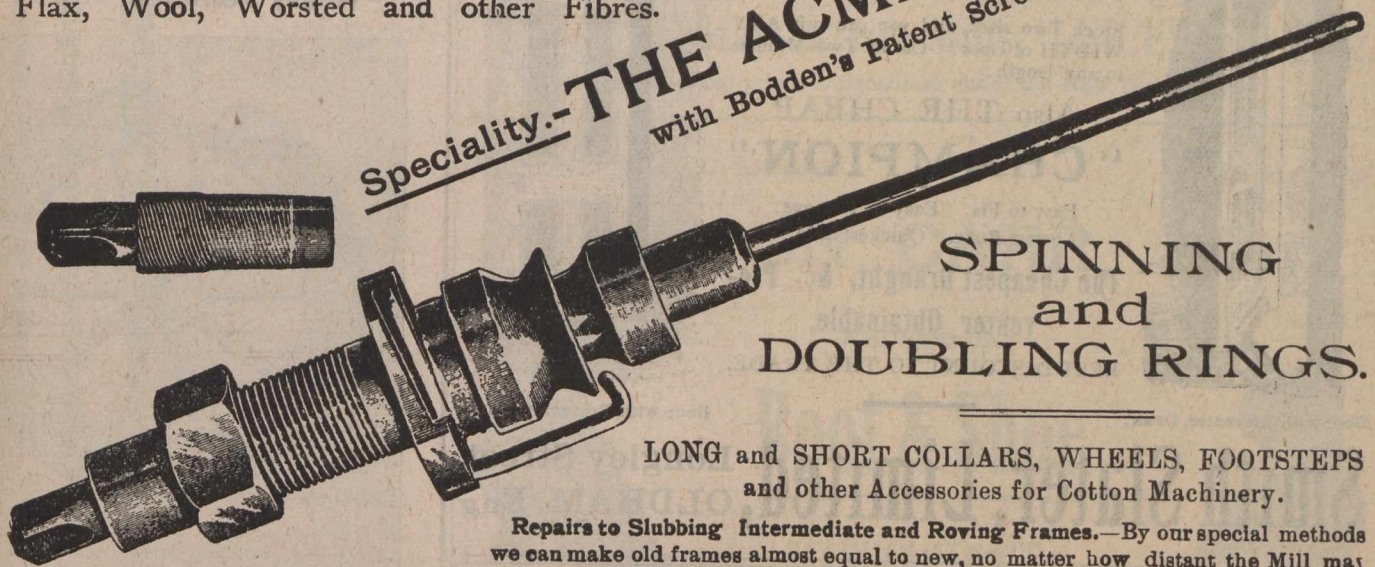
WILLIAM BODDEN & SON, Limited.

Spindle and Flyer Manufacturers.

Steel Spindles and Flyers and Ring
Spindles of all kinds

For Spinning and Doubling Cotton, Silk,
Flax, Wool, Worsted and other Fibres.

Speciality.—**THE ACME SPINDLE**
with Bodden's Patent Screw Oil Tube.



SPINNING
and
DOUBLING RINGS.

LONG and SHORT COLLARS, WHEELS, FOOTSTEPS
and other Accessories for Cotton Machinery.

Repairs to Slubbing Intermediate and Roving Frames.—By our special methods
we can make old frames almost equal to new, no matter how distant the Mill may
be from our Works.

Hargreaves Works, - - Oldham, England,

☛ SPECIAL PRICES TO CANADIANS UNDER THE NEW TARIFF. ☛

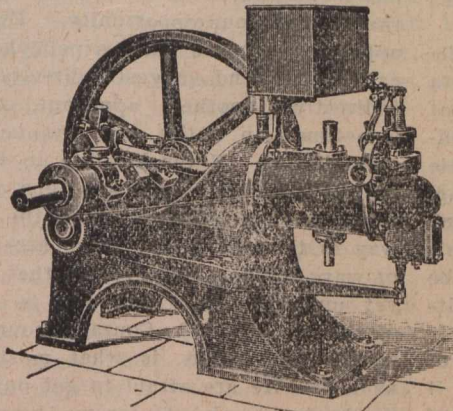
the pace, and if the latter, this is his last chance to catch up this year.

I do not wish any 'one to waste any time now in regrets for what might have been done in the first eleven months, or in concocting reasons as to why he cannot possibly produce a large business in December, but I do want every man to throw himself into his work as if his life depended on it for the thirty days to come. Do not miss any opportunity that you see, or that you can by ingenuity create. (I am a great believer in the latter kind.) You don't know what it may lead to, unpromising though it may appear in the beginning. It is a common fact that the greatest consequences often come from the most unsuspected or insignificant causes; and a little opportunity may lead up to a very large business. I remember, several years ago, turning over to an agent in this city an inquiry slip we had received. The address given was in an unpromising part of the city; and the agent's first impulse was to let some one else answer the communication, with the chance of getting a small application, but he concluded that after all small things were not to be despised and

THE "Petter" Patent Petroleum Engine

With the New Patent Lampless
Ignition and Governor.

The Highest Class of
Workmanship & Finish



Requires no attention after starting. Ordinary Paraffin Oil only is used. Cost of working about $\frac{3}{4}$ d. per Horse Power per hour. No continuous Burning Lamp. No Skilled attention required. No Danger.

The Cheapest Oil Engine
To Buy
And the Cheapest to
Work.

Catalogues on application to the Manufacturers:

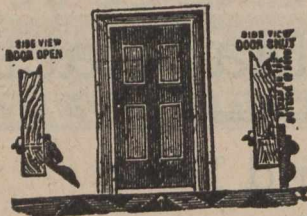
JAMES B. PETTER & SONS, Ltd.,
Nautilus Works, YEOVIL, Eng.

London
Showrooms:

73 Queen Victoria St., LONDON, E.C., Eng.

Slater's Patent "RELIABLE" Draught

Dust



& Rain

Stopper For the Bottom of Doors

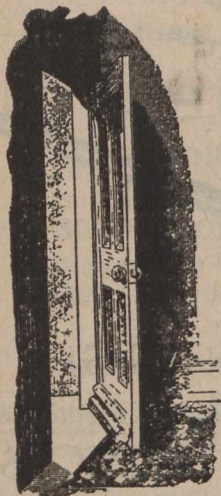
Stock Two sizes, and you can suit ANY WIDTH of Door. Cut in Two Minutes to any length.

Also THE CHEAP
"CHAMPION"

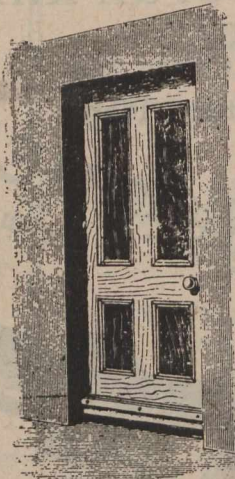
Easy to Fix. Easy to Remove.
Lowest Price. Quickest Sale.

The Cheapest Draught, &c., Pre-
venter Obtainable.

BEST DISCOUNT TO THE TRADE.



Door with Preventer, OPEN.



Door with Preventer, SHUT.

Smith Slater, Limited, Longley Street,
OLDHAM, Eng

looked up the case himself. It was a woman, old and decrepit, dependent on the bounty of an aged employer in whose service she had been for many years. She had answered an advertisement with an indefinite, vague hope that it might mean something to her. And it did—and to the agent, too. He hunted up the employer, a multi-millionaire, whom he induced to buy annuities, not only for this old woman, but for many others in his service—confidential clerks and domestics; and the amount invested was so large that the agent netted more than \$10,000 in commissions out of the various transactions.

I have been led to tell this little incident because it illustrates in a practical way something that I want to present for your thoughtful consideration this month, a beautiful little saying of Ruskin, so full of meaning, to the effect that "every duty which we omit obscures some truth." This is one of the things that has to be worked out in order to perceive its truth; in other words, we can only recognize in the satisfying result of effort what we would have missed if we had shirked the effort. Think of the possibilities, for instance, that would probably forever have remained unknown to the agent above referred to if he had not done first his duty to himself and the society by looking up that humble address. And as each new experience enriches the experimenter, he goes on discovering new truths, through new duties. (I think it should real new beauties, for is not

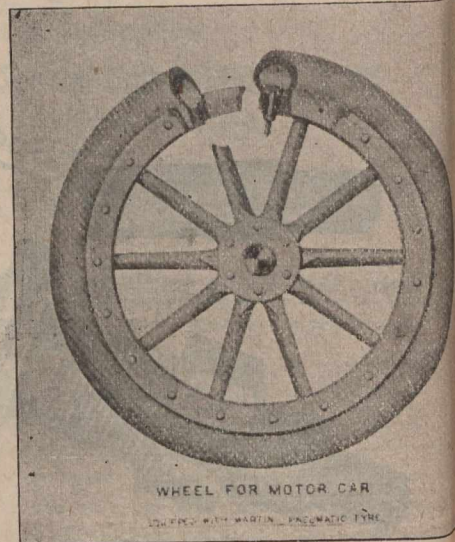
the most beautiful thing in life the benediction of the "well done, thou good and faithful servant," that speaks to a man in the things he has accomplished?) Thus results follow results, and still other results are heaped upon results, which never would have been sighted in the distance had not the toiler understood early that duty after all is sweet and work the riches of life.

Every day's thoughtful work that you do lifts a little higher the curtain that veils from you the things you are striving for. Every new way and means discovered opens a little wider the door of your opportunity. Every applicant that you make a policyholder and a friend suggests, directly or indirectly, another applicant, and sometimes an entire new avenue of possibilities. Never hesitate to take up the new lines that are thus suggested to you. Do not think the old way is the only way; there are lots of ways for doing everything that are yet undiscovered. Why not be one of the discoverers? Courage, courage spelled in capitals, is what most of us lack. We are afraid to get out of the beaten track. As for me, I would rather see a man a crank than a non-entity, or a bit of mediocrity shifting along in the grooves of conventionality. I say, don't fear to try the new things. Even if they do not turn out well, the experience will have given you a new thought and a new bent. Courage discovers fabulous gold in more than one Klondike, while the fear to branch out keeps mediocrity

The Martin Pneumatic Tyre.



For Motors and all
kinds of Light and
Heavy Vehicles.



WHEEL FOR MOTOR CAR
EQUIPPED WITH MARTIN PNEUMATIC TYRE

**NO CREEPING,
NO PUNCTURES,
NO INNER TUBE.
PERFECT
RESILIENCE.**

Write for Particulars and
Price Lists to

THE SECRETARY

**Martin Pneumatic
Tyre Syndicate,**

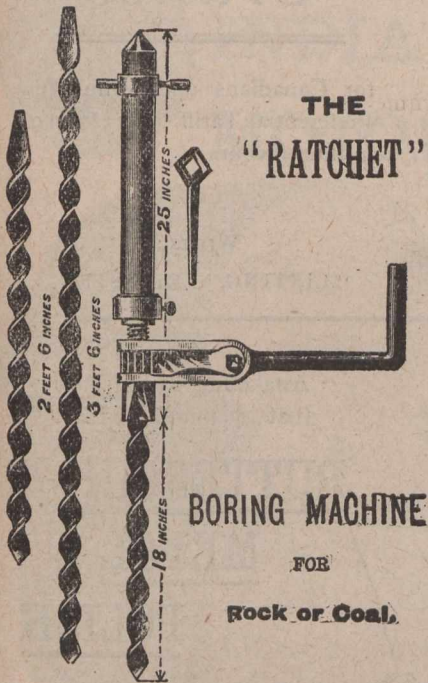
LIMITED,

**SUFFOLK HOUSE,
LAURENCE POUNTNEY HILL,
LONDON, E.C., Eng.**

Telegrams: "PENSATIVO," London.

**Has Beaten all Records for
Enduring Qualities.**

MATTHIAS, SPENCER & SONS,



These Mining Tools are manufactured for the Canadian Market under the New Preferential Tariff, which favours Canadians.

BLADES.

SIZES.	
14 lbs.	1/5
12 "	1/7
9 "	1/8
24 "	1/10
24 "	1/11
24 "	2/1
8 "	2/2

We make Blades of any size or shape. Please state when ordering what Pattern is required.

OUR PATENT SOCKET
Prices for Sockets of all kinds on application.

Ratchet Handle charged extra.

**Albion
Steel
Works,
SHEFFIELD, ENGLAND.**

WE ARE STILL LEADING THE WAY WITH BRITISH SHOE FINISHES

Royal-Oak Stain for Sole Finishing.
British-Oak Russet for Sole Finishing.
Rapid Brown for Heels and Edges.
New Process Black for Heels and Bottoms.
Edge Inks, Fake, Heel Balls, Waxes, &c.

We Excel in these Lines.

Write Direct or through your shipper to
International Shoe Findings, Lt'd.,
MANUFACTURERS OF **Stain, Ink, Waxes, &c.,**
TELEGRAMS: "Blacking, Leicester."
Gray Street Mills, LEICESTER, Eng.
Special prices to Canadians under the New Tariff.

Telegrams: "CARRIED," Leicester.

Established 1879.

WALTON CARR, Junr.,

WHOLESALE

Boot & Shoe

MANUFACTURER



**Asfordby Street Works, North Evington,
Leicester, England.**

sitting at home before a comfortable fire content with bread and cheese. There is one thing certain, you never know how much you can do until you have tried; and it is the trying over again, day after day, that gives you the strength to do a little more each time, until you begin to realize that the only restriction upon you is time. Given unlimited time, there would be absolutely no limitation in other directions.

Now a great deal can be accomplished in the space of thirty days, as we have time and again demonstrated. I think you all know how anxious we are to make a great record this month. We must do it, as a fitting end to the most remarkable year in our history. We cannot help doing it, if we all pull together as we have been doing all the year. This is a good time to gather in all the loose ends, preparatory to beginning with a clean sheet in the new year. Besides the big things you are after in December, no doubt nearly every agent has a lot of small cases in his memorandum book that were promised for "some time during the year." Now is the sometime, if ever in 1902, and nine-tenths of such matters can be

right way. These added to the new closed up in December if taken in the cases and the ones you have all along determined to bring to the signing line in December ought to make a splendid record for every insurance representative during this last month. I am sure, however, that you do not need urging at this important time. I am sure you all feel the incentive. the same as we do—the desire to eclipse all individual records as well as the general one. A good rule is to try to reach the maximum for December before Christmas. That gives one a splendid zest for the holidays, and leaves a few days over, in which to make up for possibilities of declinations among the applicants already secured.

One last injunction only I have to make Settle your business as you go along. Close it on binding receipts. Let your business be really closed up with the close of the year. The advantages of this way of writing life assurance are so well known to you all that they do not need elaboration, but I refer to the subject here lest you forget, or think that you haven't time to do it that way in December. Remember that one thing well done is

worth two half done, and that it is only paid business that counts.

Last month we eclipsed all previous records for November. Let us do the same thing again in December."

OLEOMARGARINE PROBLEMS.

A new problem has been presented to the U.S. Internal Revenue authorities in connection with the use of cotton oil in the manufacture of oleomargarine, and it has become necessary for the chemistry division of the bureau to enter a new field of scientific research in which the textbooks furnish little or no guidance.

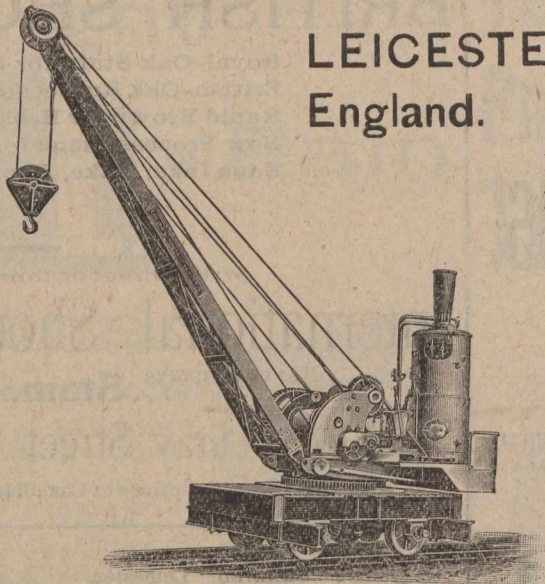
The Bureau has now before it, says a Washington correspondent of the Oil, Paint & Drug Reporter, a number of samples of cotton oil, some of which have been submitted by manufacturers of oleomargarine, which have all the appearance of having been carefully refined, and yet which carry so high a color as to puzzle the chemists of the Bureau, who have thus far been unable by any tests with which they are familiar to determine the cause of the coloration, or the manner by which it has been obtained. While no positive evidence has thus far been secured, it is believed, however, that the samples in question have been ingeniously colored by restoring to the refined oil a part of the coloring matter extracted together with impurities during the processes of refining.

This suggestion brings the Department face to face with one of the most important questions of law which has been raised since the new statute took effect, namely, as to whether the restoration to the oil used in the manufacture of oleomargarine of a portion of the coloring matter extracted during the process of refining can be construed as "an artificial coloration" of the finished product. In connection with the problem referred to relating to cotton oil, similar questions have been raised concerning the use of palm oil and corn oil, and the whole question had been additionally complicated by the fact that in certain cases it is suspected that samples of cotton oil have been colored by the addition of small quantities of palm oil or coloring matter taken from palm oil in the course of the refining process.

Of course, under the rulings which the Bureau has already made, where it can be shown that cotton oil or other vegetable oil has been colored by the use of small quantities of palm oil, or any constituent part of palm oil, the oleomargarine produced therefrom would be taxable at 10 cents per pound on the ground of "artificial coloration." The difficulty presented to the Internal Revenue Bureau, however, is the impossibility, as far as tests now known are concerned, of determining whether the cotton oil in question has actually been colored by the use of palm oil.

TAYLOR & HUBBARD

**LEICESTER,
England.**



Manufacturers of the most improved

Cranes

for Canadians under the New Preferential Tariff, of 33 1/3 p.c. in their favour.

WIRES :

"LIFTING," LEICESTER.



Awakening to the Fact that by purchasing . . .

**BUTTERCUP
METAL
POLISH**

Under the New Tariff from

**Chiswick Soap Co.,
LONDON, Eng.,
you can SAVE MONEY.**

B. & S. Massey,

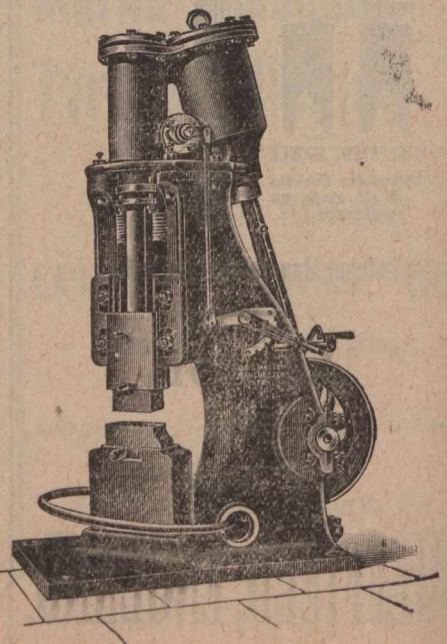
**OPENSHAW,
Manchester, Eng.**

**THIS
PNEUMATIC HAMMER**

Is the best substitute for a Steam Hammer. It is as Powerful, and is Equally well Controlled. It can be driven by either Electricity or by a bolt from an ordinary line-shaft.

Write for Particulars.

Steam Hammers, Power Hammers, Stamps, Band Sawing Machines, &c.



Three Gold Medals Awarded, 1899.
Silver Medal, Highest Award, Al-
trincham Show, 1900.



Telegrams :
"CHALLINER," Manchester.
"INAUDIBLE." London.

THE Shrewsbury & Challiner Tyre Co., Ltd.,

MANUFACTURERS OF

INDIA RUBBER CARRIAGE

.....AND.....

MOTOR CAR TYRES EVERY DESCRIPTION.



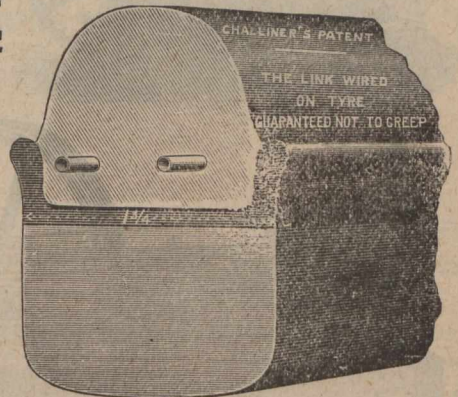
INCLUDING THE

CUP TYRE

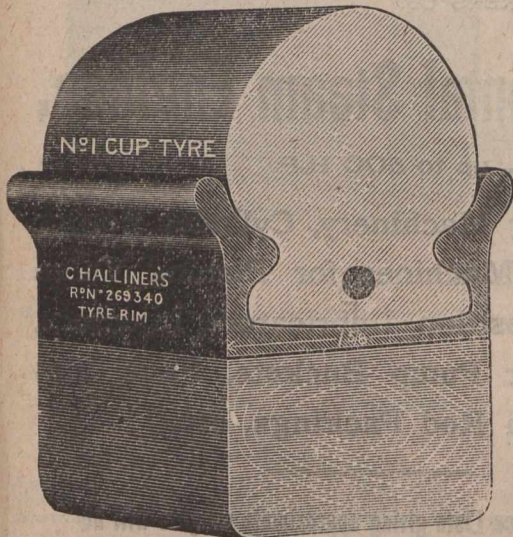
Specially adapted for Motor Cars, Omnibuses, &c. Over 1,000 tons supplied during the last 12 months. Made in eight sizes to suit all classes of Vehicles.

NOTED FOR

Comfort, Combined with
Strength and Durability.



The King of the Wired-on-Tyres.

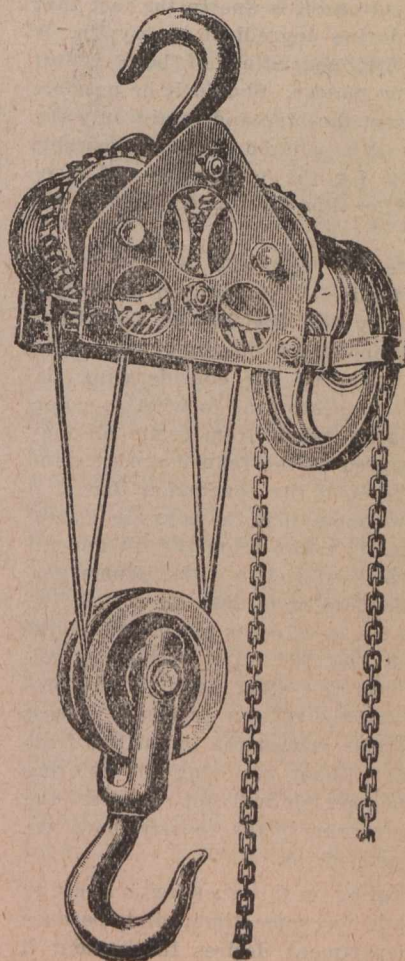


Manchester, Eng: Registered Office and Works, Kay St., Ardwick Green.
London, Eng: Office and Works, 24 Page Street, Westminster, S. W.

WRITE FOR DESCRIPTIVE PRICE LIST.

The entire list of so-called fatty colors, or lipochromes, presents serious problems to the chemist, owing to the fact that they cannot be differentiated with absolute accuracy by any known tests. In this connection the fact is recalled that at the last convention of the Official Agricultural Chemists the presiding officer announced that he would be glad to hear from any one present who possessed any information with regard to tests indicating the presence of coloring matter of palm oil, but received no response.

It is a curious fact that the mere superficial appearance of the various vegetable oils examined by the Internal Revenue Bureau is a better guide as to their identity than any chemical tests thus far devised. In the case of refined cotton oil, for example, the addition of the coloring matter extracted during the process of refining gives the oil a brownish rather than a yellow tinge, and for this reason the experts are disposed to believe that the highly colored samples of refined cotton oil which the bureau has received contain palm oil or the coloring matter extracted from palm oil. When subjected to the tests of the tintometer these samples give a reading as high as 68, while the color of creamery butter on this market at this time is only about 0.



Lifting Tackle

FOR ALL PURPOSES.

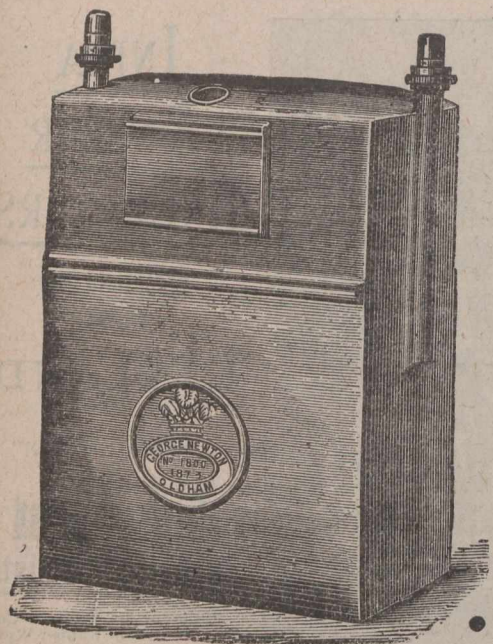
Cranes, Sheave Blocks,
Crabs, Pulley Blocks.

The Steel Rope
Pulley - Block Co.,
LIMITED,

WASHFORD ROAD,

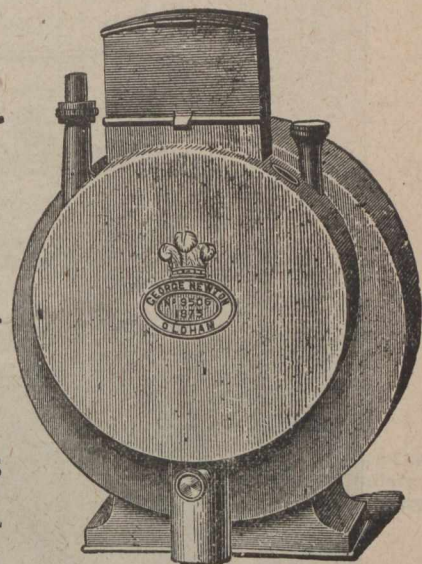
Sheffield, Eng.

GEORGE NEWTON, LTD.



**GAS METER =
MANUFACTURERS.**

**OLDHAM,
ENGLAND.**



Special quotations
under the new Can-
adian Preferential Tariff.

**MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, DEC. 11, 1902.**

Name of Article,	Wholesale	
	\$ c.	\$ c.
Farm Products.—Con.		
CHEESE:		
Ont. New.....	0 12	0 12½
Eastern.....	0 11½	0 12
Eggs: Best selected.....	0 23	0 24
Straight gathered.....	0 21	0 22
Limed.....	0 16½	0 18
Cold storage.....	0 17	0 17½
Pickled.....	0 16	0 17
SUNDRIES:—		
Potatoes, per bag of 90 lbs.....	0 65	0 90
Honey, White Clov., Comb.....	0 11	0 11½
“ Extracted.....	0 07½	0 08½
Beeswax.....	0 25	0 30
BEANS: prime.	2 00	2 10
do. Best hand-picked.....	0 00	0 0 0
Groceries.		
<i>Sugars: Factory.</i>		
Ex Granulated, brls.....	0 00	3 80
Acadia gran'd.....	0 06	3 75
Ex Ground, in brls.....	0 00	4 55
“ in bxs.....	0 00	4 75
Powdered, in brls.....	0 00	4 30
“ boxes.....	0 00	4 45
Paris Lump, in brls.....	0 00	4 55
“ half brls.....	0 00	4 55
“ 100-lb bxs.....	0 00	4 55
“ 50-lb bxs.....	0 00	4 65
Branded Yellows.....	3 15	3 70
Molasses (Barbados).....	0 24	0 25
do brls. & ¼s.....	0 26½	0 28½
Evaporated Apples.....	0 06½	0 07
Raisins:		
Sultanas.....	0 09	0 12
Loose Musc. Malaga.....	0 00	0 08
Layers, London.....	0 00	1 50
Con. Cluster.....	0 00	2 00
Extra Dessert.....	0 00	2 75
Royal Bucking'm.....	0 00	3 25
Valencia.....	0 07	0 08½
“ Selected.....	0 00	0 00
“ Layers.....	0 00	0 00
Currents, Provincials.....	0 00	0 00
Filiatras.....	0 00	0 03½
Patras.....	0 00	0 00
Vostizas.....	0 05	0 06½
Prunes, Cal.....	0 07	0 09½
do French.....	0 04	0 05
Figs in bags.....	0 03	0 00
“ new layers.....	0 10	0 17
Rice, C. C.	2 82½	2 92½
“ standard B.....	2 92	3 02½
“ Patna.....	4 25	4 75
“ Burmah.....	4 00	4 10
“ Crystal Japan.....	4 50	4 00
“ Carolina.....	0 00	3 07½
Pot Barley, bag 28 lbs.....	6 20	2 00
Pearl “ per lb.....	0 03	0 05
“ “ “ “.....	0 02½	0 00
“ Fluke.....	0 02½	0 00
Corn, 2 lb. tins.....	0 80	0 90
Peas, 2-lb tins.....	0 80	1 00
Salmon, 4 doz. case.....	0 00	5 00
Tomatoes, 3s. per doz.....	1 50	1 75
String Beans.....	0 80	0 85

at length; and, second, because up to the present time no means have been devised for determining whether the bureau's suspicions are well founded. In the meantime, the Internal Revenue agents are forwarding to the bureau numerous samples of highly colored margarine sold under a quarter-cent tax stamp, and so far as tests in the majority of cases have demonstrated, none of the familiar coloring agents heretofore employed have been used in the manufacture of these goods.

HARMONY OF COLOR.

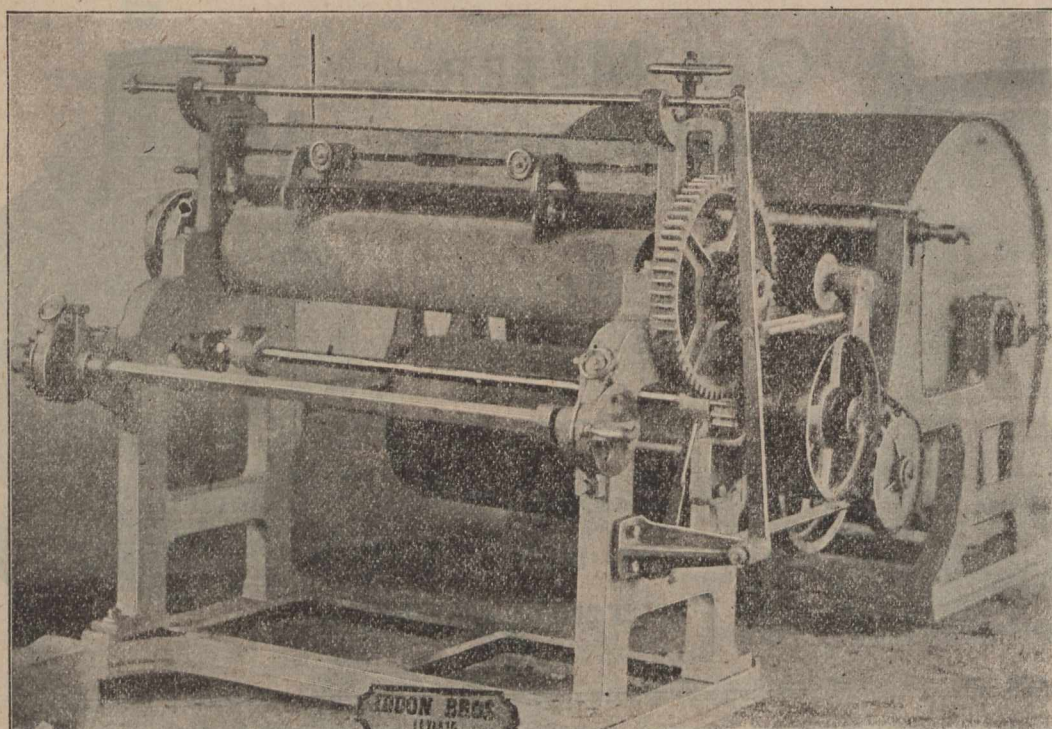
We have many times remarked how necessary it is that the modern painter and decorator should have a thorough understanding of the secrets of color. He should have the natural gifts enabling him to distinguish the most delicate nuances of light and shade, and of closely related tints; so that he may recognize instinctively the hues that go well together and help each other, and those that antagonize and kill each other. These natural gifts, says the Plumber and Decorator, are very valuable, not only to the painter, but to anyone who has to do with application of color, no matter what his line of work.

But the original ability is not all the equipment the painter requires. He must have, further, that training which will aid him in determining beforehand what effects he should aim to produce; he must be quick to perceive an effect of harmony or of contrast; and, more than that, he must understand the rea-

**MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, DEC 11, 1902.**

Name of Article.	Wholesale	
	\$ c.	\$ c.
Hardware.		
Antimony.....		
“ Block, L & F, “ “.....	0 00	0 31
“ Straits.....	0 00	0 07
“ Strip.....	0 00	0 32
Copper: Ingot.....	0 00	0 00
CUT NAIL SCHEDULE.		
Base Price, per Keg, car lots.....	2 40	0 00
Less quantity.....	2 45	0 00
Extras—Over and above 30d, 40d, 50d, 60d and 70d Nails.....		
Cut and Fence Nails—		
16 and 20d Hot Cut, per 100 lbs.....	0 05	0 00
10 and 12d “.....	0 10	0 00
8 and 9d “.....	0 15	0 00
6 and 7d “.....	0 30	0 00
4 and 5d “.....	0 40	0 00
3d “.....	0 65	0 00
2d “.....	1 00	0 00
Cut spikes 10c, per Keg advance.....		
Fine blued nails—		
2d per 100 lbs.....	1 00	0 00
3d “.....	1 50	0 00
Casing, Box, Tobacco Box and Flooring Nails—		
20 to 30d per 100 lbs.....	0 55	0 00
10 to 16d “.....	0 60	0 00
8 and 9d “.....	0 65	0 00
6 and 7d “.....	0 70	0 00
4 to 5d “.....	0 95	0 00
3d “.....	1 20	0 00
Finishing nails—		
3 inch and longer per 100 lbs.....	0 60	0 00
2½ and 2¼ inch.....	0 65	0 00
2 and 2½ “.....	0 70	0 00
1½ and 1¼ “.....	0 95	0 00
1¼ and 1 “.....	1 20	0 00
1 “.....	1 50	0 00
Slatting nails—		
1½ and 1¼ inch per 100 lbs.....	0 95	0 00
1¼ “.....	1 20	0 00
1 “.....	1 50	0 00
Common barrel nails—		
1¼ inch per 100 lbs.....	1 00	0 00
1 “.....	1 00	0 00
¾ “.....	1 25	0 00
¾ “.....	1 50	0 00
Clinch nails—		
3 inch and longer per 100 lbs.....	0 60	0 00
2½ and 2¼ inch.....	0 65	0 00
2 and 2½ “.....	0 70	0 00
1½ and 1¼ “.....	0 95	0 00
1¼ “.....	1 20	0 00
1 “.....	1 50	0 00
Sharp and flat pressed nails		
3 inch and longer per 100 lbs.....	1 35	0 00
2½ and 2¼ inch.....	1 50	0 00
2 and 2½ “.....	1 65	0 00
1½ and 1¼ “.....	1 85	0 00
1¼ “.....	2 50	0 00
1 “.....	3 00	0 00
Coil Chain—No. 6.....	0 11	0 00
“ 5.....	0 10	0 00
“ 4.....	0 09½	0 00
“ 3.....	0 09	0 00
“ 2.....	0 07½	0 00
“ 1-16.....	4 35	0 00
“ ¾.....	4 25	0 00
“ 7-16.....	4 00	0 00

IDDON BROTHERS



**INDIA
RUBBER
ENGINEERS,**

Brookfield Iron
Works,
LEYLAND,
nr. Preston,
ENGLAND.
Engineers and
Rubber Machinists,

Plans for erection and Com-
pletion of New Rubber Works
throughout, on the most mo-
dern principles.

SPECIALITIES: All kinds of
Rubber Machinery.

SPECIAL NOTE: Buyers of Rubber Machinery, have 33 1/3 p.c. in their favor by purchasing from the Makers and Inventors in England under the new Canadian Preferential Tariff.

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, DEC. 11, 1902.

Name of Article.	Wholesale.
Hardware.—Con.	
<i>Coil Chain</i> —No. 1/4 ..	2 85 0 00
9-16 ..	3 75 0 00
Bright, 1 1/2 to 1 3/4 ..	3 65 0 00
3/4 ..	3 76 0 00
1/2 & 1 in.	3 60 0 00
<i>Galvanized Staples</i> —	
100 lb. box, 1 1/4 to 1 3/4 ..	2 80 0 00
Bright, 1 1/2 to 1 3/4 ..	2 80 0 00
<i>Galvanized Iron:</i>	
Queen's Head, } gauge 28 ..	4 40 4 65
or equal ..	
Comet do 28 gauge ..	4 10 4 35
<i>Iron Horse Shoes:</i>	
No. 2 and larger ..	0 00 3 35
No. 1 and smaller ..	0 00 3 60
<i>Bar Iron, per 100 lbs.</i>	0 00 2 00
Car lots ..	0 00 0 00
Norway, base ..	0 00 4 25
Am. Sh. St'l, 6 ft. x 2 1/2 ft., 18 ..	0 00 3 20
" " " 20 ..	0 00 3 20
" " " 22 ..	0 00 3 30
" " " 24 ..	0 00 3 30
" " " 26 ..	0 00 3 40
" " " 28 ..	0 00 3 50
Boiler plates, iron, 1/2 in.	0 00 2 10
" " " 3-16 in.	0 00 2 10
Hoop Iron, base for 2 in. and larger ..	0 00 2 90
Band Canadian, 1 to 6 in. 30c; over base of ordinary iron, smaller size Extras.	
<i>Canada Plates:</i>	
Full Polish ..	4 00
Ord. 52 sheets ..	2 65
" 60 do ..	2 70
" 75 do ..	2 75
<i>Black Iron pipe:</i>	
1/2 in.	2 22
3/4 in.	2 45
1 in.	2 65
1 1/4 in.	3 40
1 in.	4 80
1 1/4 in.	6 80
1 3/4 in.	8 30
2 in.	11 60
per 100 ft. nett.	
Steel, cast p.l.b., Blk Diam'd ..	0 08 base
" Spring, 100 lbs ..	3 00 0 00
" Tire, " ..	2 30 base
" Sleigh shoe, 100 lbs.	2 20 base
" Toe Calk ..	2 90
" Machinery ..	2 75 base
" Harrow Tooth ..	2 50
<i>Tin Plates:</i>	
10 Coke, 14 x 30 ..	4 25
10 Charcoal, 14 x 30 ..	4 50
12 Charcoal ..	5 50
" " ..	6 60

sons why these two tints look well together and those two do not.

The simplest harmony of color is found in the presence of the three primaries; they form a combination which fully satisfies the human eye. To most perfectly secure this effect, the colors brought together should be as pure as possible; the most perfect example possible to be conceived being sometimes, though rarely, to be noted in the sunset sky. Art cannot compete with Nature in producing this harmony, the reason being that our pigments are never perfectly pure. The closest approximation art has made to purity in the primaries is to be found in lemon yellow, French carmine, and ultramarine. By the admixture of these primaries with white, all the lighter tints of each can be made; and, in the other direction, admixture with black will give all the darker shades of each primary.

According to the teachings of the art schools, harmony is produced by proportioning the primaries in the following order:—Three units of yellow, five units of red, and eight units of blue. Yellow is the most aggressive of the trio, asserting itself more distinctly than either of the others. That is to say, it will be the first to make an impression on the eye, and can be seen further by the normal vision. For this reason, it stands lowest in the proportions assigned to the harmonic scale. Red comes next to yellow, reflecting less light than its brilliant neighbor on the one side, but more

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, DEC. 11, 1902.

Name of Article.	Wholesale.
	\$ c. \$ c.
<i>Terns Plate IC, 20x28 ..</i>	7 50 0 00
<i>Russ. Sheet Iron ..</i>	0 10 0 00
<i>Lion & Crown tin'd sh'ts ..</i>	
22 and 24 gauge case lots ..	0 00 7 75
26 gauge ..	0 00 7 75
<i>Lead: Pig, per 100 lbs; ..</i>	3 25 3 35
Sheet ..	0 00 0 04 1/2
Shot, 100 lb., less 2 1/2 p.c.	0 00 6 50
Lead Pipe, per 100 lbs.	7 09 0 00
	less 37 1/2 p.c.
<i>Zinc:</i>	
Spelter, per 100 lbs.	0 00 5 25
Sheet, Zinc " ..	5 75 6 00
<i>Black Sheet Iron.</i>	
Per 100 lbs.	
8 to 16 gauge ..	2 40 0 00
18 to 20 do ..	2 37 0 00
22 to 24 do ..	2 35 0 00
26 do ..	2 40 0 00
28 do ..	2 45 0 00
<i>Wire:</i>	
Plain galv'd, No. 5 ..	3 70 0 00 1/2
do do No. 6, 7, 8 ..	3 15 0 00
do do No. 9 ..	2 65 0 00
do do No. 10 ..	3 20 0 00
do do No. 11 ..	3 25 0 00
do do No. 12 ..	2 80 0 00
do do No. 13 ..	2 90 0 00
do do No. 14 ..	3 75 0 00
do do No. 15 ..	0 00 0 00
do do No. 16 ..	0 00 0 00
<i>Barbed Wire—</i>	
Spring Wire per 100, 1.25 ..	2 90 f.o.b.
net extra.	Montreal.
<i>Iron and Steel Wire pl'n</i>	
6 to 9 ..	2 50 base.
Rope.	
<i>Sisal, base ..</i>	0 00
" 7-16 and up ..	0 11 1/2
" 3/4 " ..	0 12
" 5-16 " ..	0 12
" 1/2 " ..	0 12 1/2
" 3-16 " ..	0 13
<i>Manilla, 7-16 & lgr.</i>	0 14
" 3/4 " ..	0 14 1/2
" 5-16 " ..	0 15
" 1/2 " ..	0 15
" 3-16 " ..	0 15 1/2
<i>Lath yarn ..</i>	0 11

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Works & Warehouses: ILFORD.

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1. G.I.C. Best Quality High Candle Power Mantle	- - - - -	4/6 doz.
2. G.I.C. Silk Mantle	- - - - -	5/- "
3. G.I.C. Special Double Woven Mantle, Double Strength, very popular, specially recommended	- - - - -	6/- "
4. G.I.C. Extra Long High-Pressure Mantle, suitable for all High-Pressure Burners	- - - - -	7/6 "
5. G.I.C. Gem Mantle	- - - - -	4/6 "
6. G.I.C. Mantle for No. 4 Kern Burner	- - - - -	6/- "

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Support British Capital and Industry. Without fear of contradiction we can HONESTLY state that our G.I.C. Mantles are the best on the market, which statement is borne out by Gas Companies, Street Lighting Authorities, Corporations, and leading Traders. NOTE.—Every Genuine G.I.C. Mantle bears the Company's Trade Mark **G.I.C.**, plainly stamped on the Mantle, and customers are requested to see that the Mantle contained in each box is so stamped.

Special prices to Canadians under the New Tariff, 33 1/3 p.c., in favour of Canadians.

MONTREAL WHOLESALE PRICES CURRENT.

THURSDAY, DEC. 11 1902.

Name of Article.	Wholesale.	
	\$ c.	\$ c.
Wire Nails.		
Base Price carload	2 50	
Less than " extra	2 55	
2d	1 00	
2d f	1 00	
3d	0 65	
4d and 5d	0 40	
6d and 7d	0 30	
8d and 9d	0 15	
10d and 12d	0 10	
16d and 20d	0 05	
30d to 60d	Base	
Building Paper.		
Dry Sheeting (roll)	0 35	0 00
Tarred "	0 45	0 00
Hides.		
Montreal Green Hides	0 08	0 00
" No. 1	0 07	0 00
" No. 2	0 06	0 00
" No. 3	0 06	0 00
Tanners pay \$1 extra for sorted cured & inspect'd Sheepskins.	0 00	0 00
Clips	0 00	0 00
Lambskins each	0 00	0 65
Calfskins, No. 1	0 00	0 10
" No. 2	0 00	0 8
Horsehides	1 50	2 00
Leather		
No. 1 B. A. Sole	0 27	0 28
No. 2 B. A. Sole	0 25	0 26
No. 3 B. A. Spanish Sole	0 24	0 25
Slaughter, No. 1	0 28	0 29
light medium & heavy	0 28	0 29
" No. 2	0 26	0 27
Harness	0 26	0 32
Upper, heavy	0 34	0 36
Upper, light	0 35	0 37
Grained Upper	0 34	0 35
Scotch Grain	0 35	0 38
Kip Skins, French	0 60	0 65
English	0 45	0 55
Canada Kip	0 50	0 60
Hemlock Calf	0 50	0 70
" Light	0 50	0 60
French Calf	0 85	1 10
Splits, light and medium	0 22	0 25
" heavy	0 17	0 20
" small	0 18	0 20
Leather Board, Canada	0 06	0 10
Enameled Cow, per ft.	0 16	0 19
Pebble Grain	0 12	0 14
Glove Grain	0 12	0 13
B. Calf	0 15	0 20
Brush (Cow) Kid	0 11	0 13
Buff	0 13	0 16
Russets, light	0 35	0 40
" heavy	0 25	0 30
" No. 2	0 35	0 40
" Saddlers' doz.	7 50	9 00
Int. French Calf	0 65	0 75
English Oak lb	0 30	0 35
Dongola, extra	0 35	0 42
" No. 1	0 30	0 32
" ordinary	0 14	0 16
Colored Pebbles	0 13	0 16
" Calf	0 16	0 23

than the quiet member of the trio on the other side; consequently, a larger proportion of red than of yellow is required to make the harmonic scale; but a smaller proportion of red than blue. Blue is the most retiring member of the group. It can be seen but one-third as far as red, and but one-fifth as far as yellow. In the harmonic scale nearly three times as much blue as yellow, and three-eighths more blue than red, constitute the balance of power.

As a practical instance of the comparative power of the primaries, it will be found that a room papered in yellow will look smaller than the same sized room papered in blue. The yellow advances and gives an impression of being near at hand. The blue retreats and conveys an idea of being further away.

CRUDE OIL AS DOMESTIC FUEL.

How to use crude oil for domestic purposes cheaply is the problem that those interested are devoting a deal of time and thought to solve. P. L. Linehan, who is an expert in this line, says that if he had half a dozen cook stoves located in half a block he could introduce the crude oil for fuel and make a great saving. "But we have not been successful in finding a method to use the oil in a single stove without so much expense that no saving is secured. The oil will not burn and heat satisfactorily, except when it is under heavy air pressure, and there must not only be condensed air but free air. The oil, so to speak, must be held in suspension in the air and then it works to perfection. Where there is a large

MONTREAL WHOLESALE PRICE CURRENT

THURSDAY, DEC. 11, 1902.

Name of Article	Wholesale.	
	\$ c.	\$ c.
Oils		
Cod Oil	0 37 1/2	0 40
S. R. Pale Seal	0 00	0 55
Straw Seal	0 00	0 50
Cod Liver Oil, Nrd. Norw		
Process	1 40	1 60
" " Norwegian	2 00	2 25
Castor Oil	0 08	0 10
Castor Oil brls	0 07 1/2	0 08 1/2
Lard Oil, Extra	0 80	0 00
" "	0 70	0 80
Linseed, raw, nett	0 65	0 67
" boiled, nett	0 68	0 70
Olive, pure	1 05	1 15
Extra, qt., per case	0 00	3 70
Turpentine, nett	0 75	0 76
Petroleum:		
Benzine	0 22	0 30
Glass.		
United inches, 00 to 25	0 00	2 10
do 26 to 40	0 00	2 20
do 41 to 50	0 00	4 70
do 51 to 60	0 00	4 95
Paints, &c.		
Lead pure 50 to 100 lb. kgs.	5 00	5 25
do No. 1	4 62 1/2	4 87 1/2
do No. 2	4 25	4 40
do No. 3	4 37 1/2	4 62 1/2
do No. 4	4 37 1/2	4 62 1/2
White Lead dry	5 50	5 50
Red Lead	5 00	5 50
Venodian Red Eng'h	1 75	2 00
Vel. Ochre, French	1 50	3 25
Whiting, ordinary	0 45	0 50
do Gilders	0 60	0 70
do Paris	0 85	1 00
English Cement, cask	2 15	2 25
Belgian do	1 65	1 90
German do	2 25	2 45
American do	2 00	2 40
Fire Bricks per 1000	16 00	22 00
Fire Clay	1 50	1 75
Rosin	2 75	5 50
Glue:		
Domestic Broken Sheet	0 12	0 15
French Casks	0 11 1/2	0 12
do brls	0 00	0 14
American White, brls	0 16	0 20
Coopers' Glue	0 20	0 25
Ranwick Green	0 04	0 10
French Imperial Green	0 12	0 16
No. 1 Farnit's Varn'h. pr. gl.	0 65	0 70
a do do	0 75	1 00
Brown Japan	0 60	0 75
Black Japan	0 50	0 75
Orange Shellac, No. 1	2 00	2 25
do do Pure	2 25	2 75
White do	2 75	3 00
Putty Bulk 100 lb. brl	0 00	2 00
Parisgreen in drum 1 lb pk.	0 18 1/2	0 19 1/2
Kalsomine, 5 lb pkgs.	0 00	0 03 1/2
Wool.		
Canadian Washed	0 00	0 15
North West	0 00	0 00
Unwashed	0 08	0 00
B. A. Scoured	0 25	0 27
Natal	0 00	0 00
Cape, greasy	0 17 1/2	0 18 1/2
Australian greasy	0 00	0 00 1/2

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THE "ENOCK" PATENT SAFETY COMPRESSOR is the Simplest, most Economical and most Modern Machine for Ice-Making, Cooling, Freezing, and Cold Storage Works.

Manufactured by us at our Works, Queen Square, W.C., Eng., and guaranteed to be of the Highest Excellency in Design Material and Workmanship. We carry out Cold Storage work in any part of the world.

We Undertake the Following in any part of the World :

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JOHANNESBURG, BOX 5463.

(Cuts will be inserted as soon as received.)

plant, that is, where the consumption of oil is in amount to justify the use of an air pump, the problem is solved, for with the pump put in there is no further difficulty to be overcome. But for a single family the expense of a pump and of power to operate it renders the use of the oil more expensive than other fuel.

I do not know when or how the problem will be solved, but I am sure that it will be. There are many men studying the question and they will find some method of using the oil.

The saving by its use in an ordinary household will be enormous. By actual experiments we have found that this saving is fully sixty per cent. over wood and coal. We installed a plant which operated eleven stoves. The cost of the oil for a given time, all stoves heated for the same hours, was \$6 and for wood \$36.

Our experiments show that the cost for fuel in an ordinary family to do all the cooking and baking will be only about 1½ to 2 cents a day. This is a liberal allowance. The general public has no idea of the wonderful economy that can be effected when oil is used. It is not strange then that so many persons are working on the problem of using it in the household stoves and heaters.

Of course we all know that in high pressure boilers the oil is now used almost universally in this state. A few cents for oil now does the irrigating that formerly cost from four to six dollars for wood.

I am satisfied that it will not be long until the housewife will go down town and order a can of crude oil for her cook stove instead of a cord of wood.

HOW BOTTLES ARE MADE.

Where the tank is used the proper proportions of white sand, lime, soda and "salt cake" are dumped into the roomy place, which is anywhere from

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Comet Industrial Lamp

For Agricultural Purposes.

Burning Quitch Grass, Stubble and Destroys Seed of Weeds.

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Steel Moulders' Composition for Castings of every description.
 Ground Ganister for Cupolas, Bessemers, Crucible Steel Melting Holes, etc.
 Patent Non-Conducting Cement for Steam Pipes and Boilers superior to Felt and Compositions
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High Class—Wholesale

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* Manufacturers *

We supply these Shoes, 33 1/3 p.c. under the New Preferential Tariff.

**GREAT NORTHERN WORKS, - BELGRAVE ROAD,
 LEICESTER, ENGLAND.**

Cuts will be inserted when received.

15 to 25 feet in diameter, and under and over this roars the fierce flame of burning gas. This gas is made from soft coal in the usual closed retorts and stored in great tanks and fed into the furnace with a jet of compressed air. A look into the tank shows a flame of burning whiteness and intense heat playing across the surface of the slowly melting sand. Some five days are consumed in reducing the "metal" to working condition and it is allowed to flow through into a smaller compartment, where it may be easily reached by the workers through small openings. Beside each of these holes stand two or more blowers with their hollow iron pipes, from 4 to 5 feet long. Down on the ground in front of each group are two molds in which the glass is shaped, and these are tended by a small boy, while several other small boys are engaged in carrying away the bottles as fast as made.

The molds are of heavy iron and open out in hinged halves from around a stationary base and are fitted with long iron handles. The blower dips the tip of his hollow rod into the liquid glass and with a deft little turn gathers up a soft red lump and with a twisting motion gives it a few little shaping rolls on a smooth slanting iron slab beside him. Then the boy swings the mold open and the blower drops the pear-shaped glass bulb within, the halves are closed and he blows into the hollow rod, which has the effect of forcing the glass into every nook and corner of the mold. Then he withdraws the rod, which is followed by a thin glass bubble, which breaks with a loud report, and he turns to the furnace again. As the second mold is filled the first is opened and there stands a red-hot bottle, perfect in shape, except that the neck is rough and uneven. The bottle is lifted by a



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Registered.

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W.M. EVANS, JUN'R.

WILLIAM EVANS,

Wholesale
High
Class

...Boot and Shoe Manufacturer...

ASHLEIGH SHOE WORKS,
Brunswick Street.

LEICESTER, - - England.

Special prices to Canadians under the New
Preferential Tariff.



pair of tongs onto a scale, for certain sizes must show certain weights, and right there is tested the blower's skill, for he must know just how much glass to pick up to make the required weight and just how much blowing force it takes to distribute it evenly over the mold.

Next the hot bottle is placed within a metal holder and set with the neck sticking through a hole into a sort of fire-clay box, within which burns an intense blaze of mixed oil and compressed air. This blaze raises the neck to a red heat again, whereupon a man takes the holder in hand and inserting a queer little three-pronged tool within the bottle neck, gives it a few quick rolls, which shape the flaring lips or give whatever finish is desired.

All the neck-shaping tools are dipped in resin and powdered charcoal to ensure a smooth finish and prevent the glass adhering. The now perfect bottle is carried away to the annealing oven, where it is allowed to cool gradually. These annealing ovens are of varying shapes and sizes, and are usually heated at one end with a hot coke fire. Their floors are covered with

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The IMPERIAL OIL COMPANY, Ltd.

—REFINERS AND MANUFACTURERS OF—

CANADIAN PETROLEUM PRODUCTS,

Under New Patent Process

Refined Oils, Benzine, Naphthas and Gasolenes, Lubricating Oils, Greases
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and
ENGLISH HARDWARE
CUTLERY GOODS.

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Messrs. SHRAGER BROTHERS, Calcutta. HESSIAN CLOTH and JUTESACKS.

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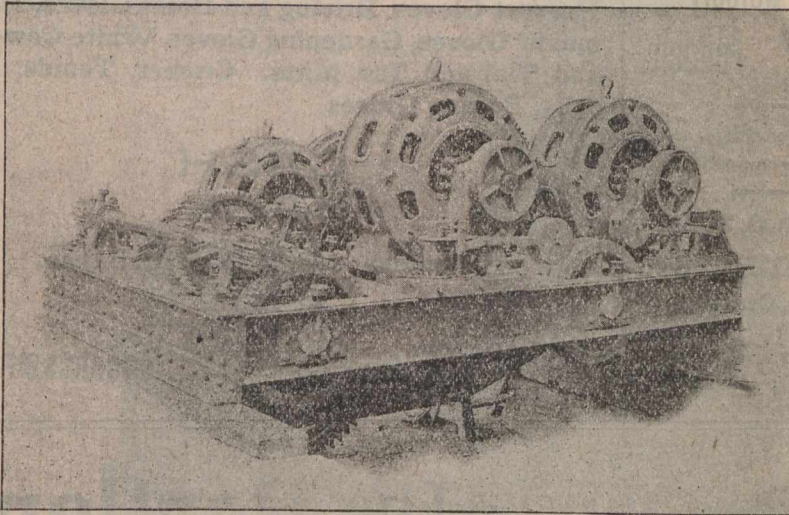
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Telegrams: "CLUNCH, LONDON."

The International Electrical Engineering Company,

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Electric Lighting Trac-
tion and Power
Transmission Plant.



Continuous Current Dynamos and Motors, Single and Multiphase Alternators and Motors, Transformers, Motor-Generators, Balancers, Boosters, Motor Controllers and Switchboards, Electric Cranes, Overhead Travellers, Hoists, Electric Mining Machinery, Haulers, Pumps, Complete Equipments for Tramways and Railways, Arc Lamps, Open or Enclosed, High Quality Arc Lamp, Carbons, &c., &c. Send for Price Lists.

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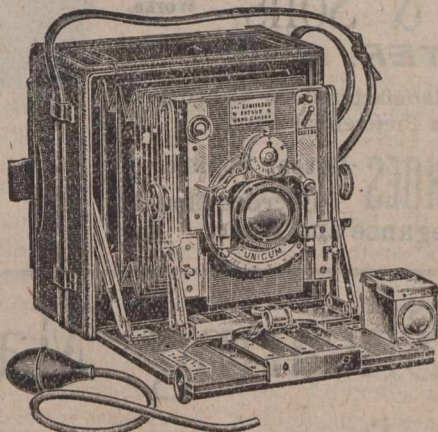
Works: TOOTING.

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Manufacturers and Dealers

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large flat, iron pans, which are hooked together, and as fast as one pan is filled with bottles it is drawn farther in and an empty pan is attached in its place. The heat is in the front of the oven, and by the time the bottles put in the day working their way through to the rear and are taken out they are cold. When removed they are examined for defects, sorted as to size and kind, and packed in straw in boxes and nailed up for shipment.

The long-necked quart bottles are made in a somewhat different manner, since the large bulb of soft glass is rolled and blown slightly and swung back and forth to form a neck, and then is gently dropped into a mold, which is closed by the foot of the blower. After blowing, the bottle is lifted out still attached to the rod by its long, pliable neck. It is severed finally by a flat piece of steel dipped in water and drawn across the bottle's mouth, which is subsequently re-heated and properly shaped. Bottles with screw tops are made, as well as those with

Eclectic Steel Co., Limited,

Princess Street Works,
SHEFFIELD, Eng.

MANUFACTURERS OF

CRUCIBLE CAST STEEL

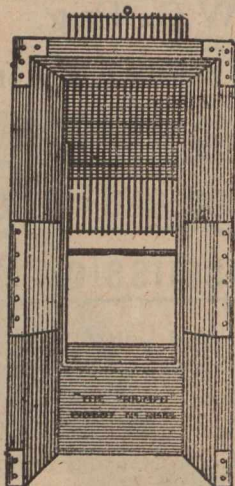
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Special Miners Drill Steel
Ground and Polished Steel for Shafting.

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Harvest Gloves, Driving and Dress Gloves, House-
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INVESTMENTS.

Opportunities for safe investments in
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pondence invited.

Address : INTEREST,
P.O. Box 576,
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ground glass stoppers, while some for
carbonated goods are made of heavy
glass and fitted with wire-held corks.
In a large, quiet, upper room, away
from the noise of the furnaces, there
are long rows of men and girls who
encase bottles in a safety coat of wick-
er, the rattan for which is soaked until
soft and pliable. A round base is
woven first and from it stand out ribs
of reed, which are bent up around the
bottle to be covered, and in and out
among them are woven the wet, plia-
ble strips that, drying, cling closely to
the glass. One handle is added, but in
case of the heavy demijohns, two are
generally affixed. Some of the heavier
glass carboys are encased in wood,
while others are set in swinging frames
to facilitate emptying.

PERFECTION OF MODERN MACHIN-
ERY.

Progress in the industrial world is
marked by constant improvement in
inventions. It has been supposed by
some people that the limit of inventive
genius was reached in the marvellous
new devices with which the arts have
been revolutionized. But the experi-
ence of recent years proves that there
is no limit, and that so long as men
strive for the unattainable there will
be some added measure of success in
the further perfection of machinery.

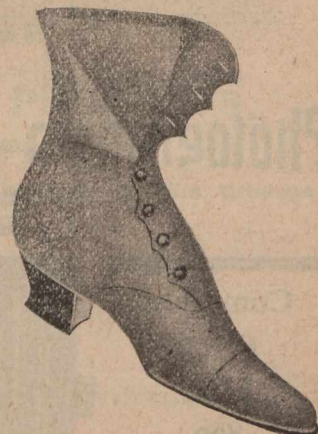
The world of thought and action
moves forward so rapidly that an ac-
tive brain is required to keep pace



The Portland

The Best and Most Popular Brand of

Ladies' Fine
Foot Wear.



In Goodyear Welts, Turns and Blake Sewn.

T. Roberts & Sons, Portland
Works,
LEICESTER, ENG.

These Shoes are Manufactured for Canadians at
33⅓ p c. under the new Preferential Tariff.

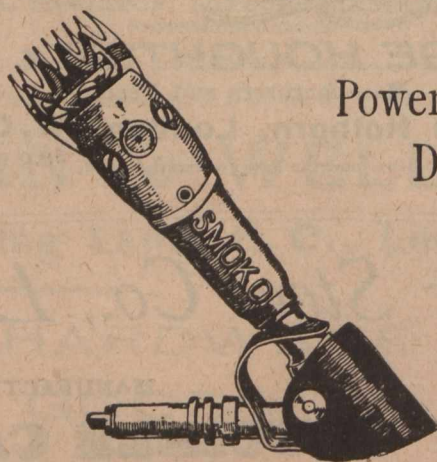
LADIES' FINE SHOES Latest Styles,
Correct Models,
For Ease, Elegance and Wear.

Sheep Shearing Machines

For
Power and Hand
Driving

"SMOKO"

Brand are
the most
Reliable.



Newall Engineering Co.,
LIMITED.

36 Featherstone St.

LONDON, England.

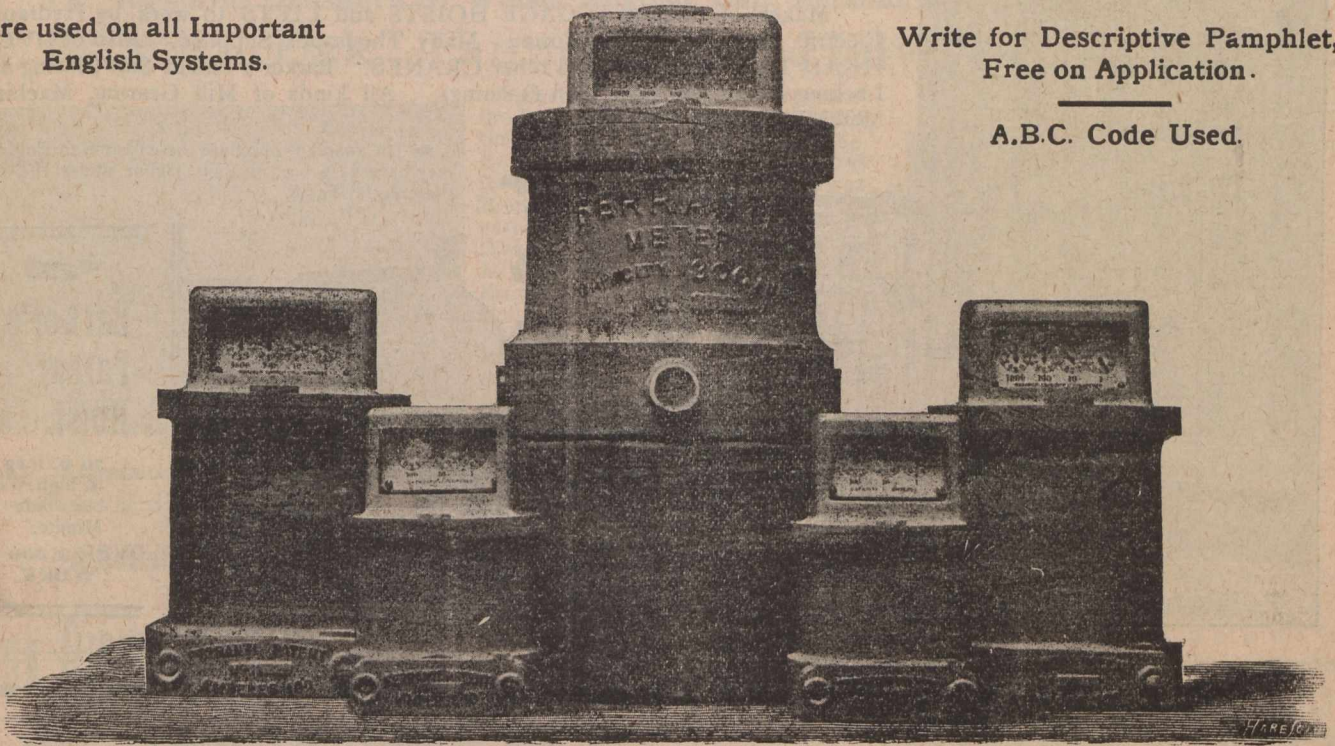
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Continuous Current House Service Meters.

Are used on all Important
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with it. Changes are being made in methods of manufacture almost daily and the new processes of to-day are old to-morrow. The fierceness of competition adds to the rapidity of these changes, and makes it incumbent on the manufacturer who would keep in line to take the initiative in improvement. But right here comes the advantage of combination. The big corporation with ample capital to secure the services of the most eminent experts and to carry on experiments on a large scale clearly has the whip hand when it comes to perfecting machinery. And the control which is assured by the patent laws renders possible a monopoly of invention.

In the glass making industry, says the Paint, Oil and Drug Review, the next step forward will probably be the melting of glass by electricity. We have previously noted the fact that a patent has been granted to a Marion, Ind., inventor on an electrical glass-making device, which, if it comes up to expectations, will revolutionize the glass manufacturing business. The inventor claims that the new device will make plate and window glass without the use of a blower or blowing machine, the glass being heated by electricity both before and after it comes from the tank. He has been working for years on his invention, and, it is said, has made satisfactory tests in window glass factories at Marion.

To the furnace, in which the parts of glass are mixed, is attached an overflow furnace containing a material of lead, tin or other metal, or alloy, which will melt at a less degree of temperature than glass. The glass flowing out over this is cooled into smooth sheets and is forced on by the material following the first until it is taken from the second furnace in smooth layers.

It is claimed by the inventor that a sheet of any size and thickness can be made by his process. Plans are making to give the new process a thorough test in a glass factory.

At the same time other experiments are being made by the Pittsburgh Plate Glass Company, according to report, the general object being to melt glass by electricity. These experiments are said to have been successful, and the processes of glass manufacture are almost certain to be revolutionized by them.

In another line there is equal activity in the designing of special machinery to do special work. The manufacture of tin cans has called forth the best energies of the ablest inventors, and a prominent can company is now devoting large capital to the manufacture of can-making machinery for its exclusive use. A factory for the construction of can-making machinery is now being erected in a suburb of Chicago, and with this equipment the

company will be able to turn out its own machinery. The one aim and object of all this is to so perfect the making of cans that it shall be impossible for small can factories to compete. In other words, it is proposed to make cans so cheap that no paint maker or packer can afford to make them for himself in his own factory. And the practical way of doing this is to improve the labor-saving machinery in use, a task that is being accomplished daily by this and all other progressive companies in the industrial field.

TEST FOR TURPENTINE.

Spirits of turpentine is obtained by the distillation of turpentine mixed with water. It is a liquid with a boiling point between 350 and 390 deg. F. The distillation is followed by rectification, and the essence becomes volatilizing as quickly as possible, for this contributes to the rapid drying of the varnish and prevents them pitching, says a writer in the Oil and Colorman's Journal. These conditions are met by the French essences and in a less measure by the American essences, whereas the Austrian essence leaves a tarry residue, which greatly spoils the drying qualities of the varnish. The Russian, Polish, and German essences should not

**JOHN BARKER & SONS, Limitd. PARK STREET IRON WORKS
OLDHAM, ENGLAND.**

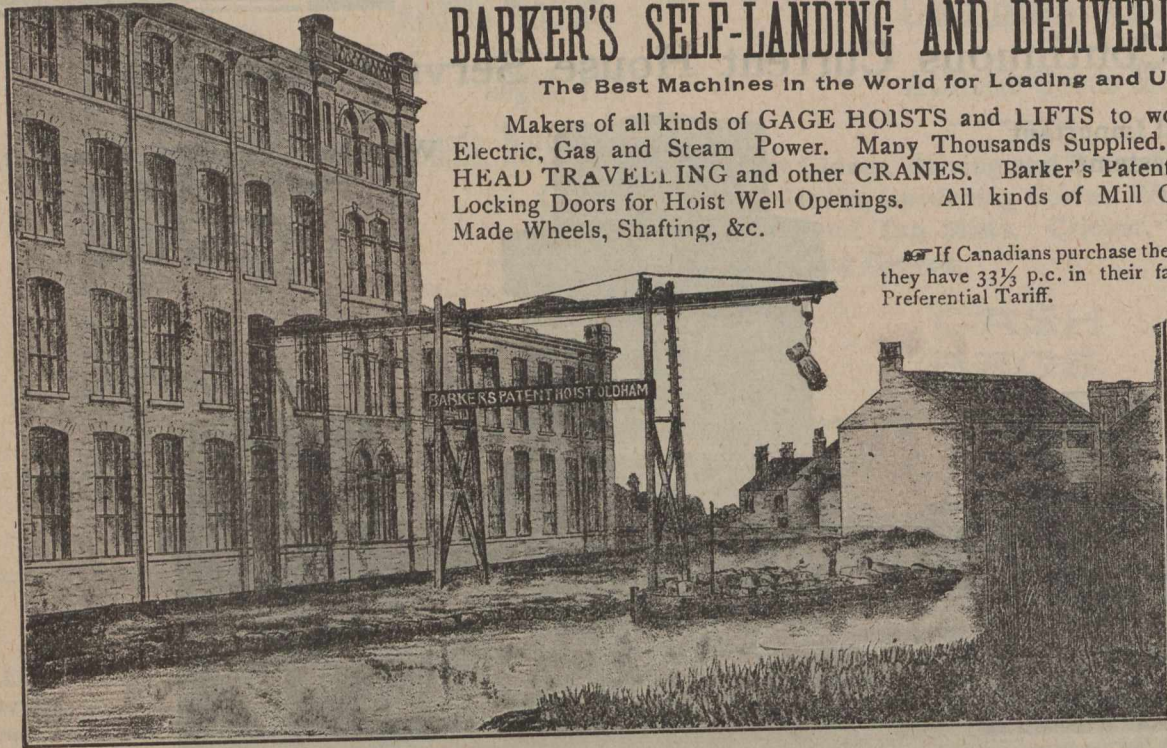
Original Inventors, Patentees and Sole Makers of

BARKER'S SELF-LANDING AND DELIVERING HOISTS

The Best Machines in the World for Loading and Unloading Goods.

Makers of all kinds of GAGE HOISTS and LIFTS to work by Hydraulic, Electric, Gas and Steam Power. Many Thousands Supplied. Also of OVER-HEAD TRAVELLING and other CRANES. Barker's Patent Self-Closing and Locking Doors for Hoist Well Openings. All kinds of Mill Gearing, Machine-Made Wheels, Shafting, &c.

If Canadians purchase these Cranes in England, they have 33 1/2 p.c. in their favour under the new Preferential Tariff.



Barker's Patent Hoist.
70 ft. long, 30 ft. high. Winds one Bale per Minute.
OVER 2,000 AT WORK.

be employed except for inferior varnishes, by reason of their bad odor, and also because they resinify during evaporation. Spirits of turpentine thicken in the air by the absorption of oxygen, and they discolor by reason of the formation of ozone. Therefore they should be kept in tightly shut vessels, and as much as possible from the sunlight. These vessels should be either earthenware, glass, or metal, and iron tanks are used for large quantities. The spirits should not be kept in wooden casks, as it quickly passes through the pores of the wood. The oxidized essence serves for a bleaching of siccativ oils. The absorption of oxygen is an index of the quality of the essence, and varies according to its divers countries of origin. Thus, the volumes of oxygen absorbed were:—French, Russian and Sweden, 100; Swiss petroleum, 89.4; American petroleum, 78.6; eucalyptus essence, 75; adulterated Swedish essence of turps, 52.6; distilled essence of American turps, 41.1.

STOCKS AND BONDS—INSURANCE COMPANIES—CANADIAN.—Montreal Quotations Dec. 9, 1902.

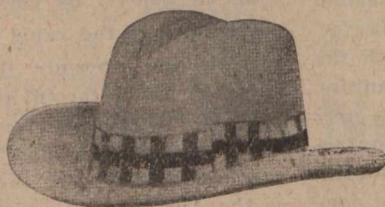
NAME OF COMPANY.	No. Shares.	Last Dividend per year.	Share par value.	Amount paid per Share.	Canada quotations per ct.
British American Fire and Marine....	15,000	3 1/2-6mos.	250	250	98 1/2
Canada Life.....	2,500	4 6mos.	400	400	160
Confederation Life.....	10,000	7 1/2 6mos.	100	10	.....
Western Assurance.....	25,000	5-6mos.	40	20	98 1/2
Guarantee Co. of North America.....	12,372	6	50	50	.....

BRITISH AND FOREIGN.—Quotations on the London Market, Nov. 29, 1902 Market value p. p'd up sh

Alliance Assur.....	250,000	8s. p.s.	20	2 1-5	9 1/2	10
Atlas.....	24,000	24 p.s.	6	6	26	227
British and Foreign Marine.....	67,000	25	20	4	19	20
Caledonian.....	21,500	12s. p.s.	25	5	5	28 1/2
Commercial U. Fire, Life and Marine.....	50,000	27 1/2	50	5	46 1/2	47 1/2
Guardian Fire and Life.....	200,000	9	10	5	9	9 1/2
Imperial Fire.....	60,000	25	20	5	5	.....
Lancashire Fire.....	126,493	5	20	9	.....	.....
Lion Fire.....	100,000	3	20	1 1/2	.....	.....
London and Lancashire Fire.....	25,100	22	25	2 1/2	19	20
London Assurance Corporation.....	25,962	20	25	12 1/2	51	53
London & Lancashire Life.....	10,000	10	10	2	8	8 1/2
Liv. & Lon. & Globe Fire and Life.....	391,752	90	St.	2	28	29
Northern Fire and Life.....	20,000	*22 1/2	100	10	74	76
North Brit. & Merc. Fire and Life.....	110,000	30s. p.s.	25	6 1/2	36 1/2	37 1/2
Norwich Union Fire.....	11,000	*32 1/2	100	12	105	108
Phoenix Fire.....	53,776	35	50	5	230	31
Royal Insurance Fire and Life.....	125,214	52 1/2	20	49 1/2	50 1/2	50 1/2
Sun Fire.....	240,000	8s 6d p.s.	10	10	10 1/2	10 1/2
Union.....	45,000	18 p.s.	10	4	12 1/2	13 1/2

*Excluding periodical cash bonus.

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LIMITED,
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MANUFACTURERS OF
Ladies' and Gentlemen's Panama Hats,
For Canadians under the New Tariff.

C. & A. MUSKER, LTD.,
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MANUFACTURERS of every DESCRIPTION of

Hydraulic & Electric Machinery.

Dock Machinery, Presses, Accumulators, Valves, Tube
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Concrete Flag Making Machinery.

Telegraphic Address: "Muskers Liverpool"

Telegrams: "TANNERY, OLDHAM" All Communications must be addressed to Oldham. ESTABLISHED 1840

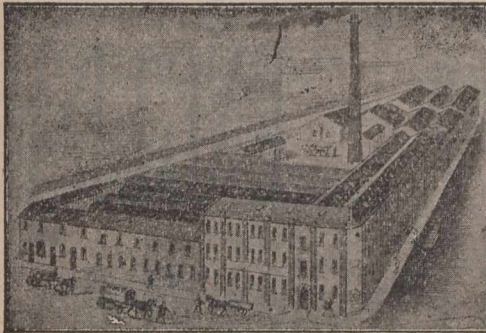
MILLS BROTHERS, LTD.

Registered Office: Lowermoor Leather Works.
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Tanners and Dressers of Welsh, English, Calf, Persian, and Goat Roller Skins.

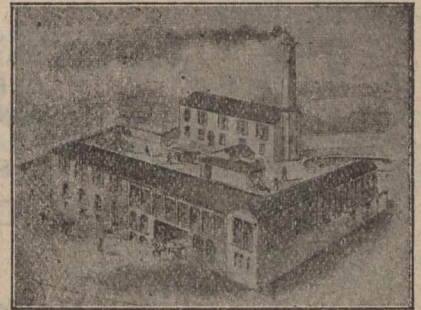
MANUFACTURERS
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Oak Tanned and Helvetia Strapping.



Lowermoor Works Oldham.

Patentees and Sole Manufacturers of the Improved Driving Belts for Mule, Cone Drum, and Electric Driving. Runs perfectly straight and free from Stretch. Mills' "Challenge Brand" Camel Hair Belting. Lancashire Belt Dressing. Roller and Clearer Coverers, for Home and Export. Helvetia, Rawhide, Horny, Brown, White and Supple Laces. Roller Varnish, Roller Leather Cots, Isinglass, Gelatine, Glues, Roller Paste, Roller, Clearer, and Twiners' Cloth. Plush for Clearers. Conditioning Cloth. Copper Wire Sewing to the Trade. Roller Coverers' Tools Supplied. Revolution Wooden Split Pulleys. Mill Furnishers, &c., &c.



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A Reliable and Practically Unbreakable Bicycle Frame.

THE BIRTWISLE HYDRAULIC JOINTING SYNDICATE, LD.,

Worsley St.,
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Are Prepared to arrange with a Factor
for the introduction and sale of their

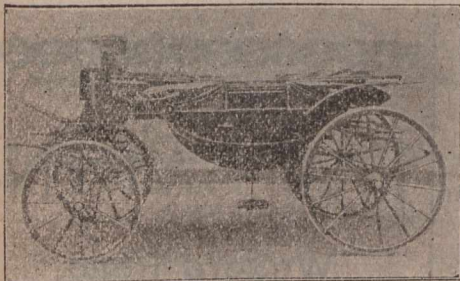
UNBREAKABLE B.H.J. BICYCLE FRAME.

For description see "Canadian Journal of Commerce," March 28th, 1902.
Full particulars and prices on application.

Established 1779.

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Carriage Builder

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MOTOR CARS A SPECIALITY.

Park Place, Cheetham Hill Rd., - MANCHESTER, Eng.

Electric Cars pass every 3 Minutes. 5 Minutes walk from Exchange or Victoria Stations. Covered Railway Carriage Truck for use of Patrons.

Pneumatic Tyres & Improved Solid Rubber Tyres Fitted to Carriages at Reasonable Prices.

Canadians can buy these carriages, under the New Tariff, 33 1/3 p.c., in their favour by purchasing in Manchester, from this firm.

Ordinarily the spirits of turpentine is submitted to the following trials: It should have no acid reaction on litmus paper. Shaken up in a bottle in which it has been allowed to settle, it should not be turbid, nor show any separate drops swimming in the liquid—this would indicate the presence of water. It should dissolve in ten or twelve parts of spirits of wine at 90 deg. If the solution is not completely clear, benzine is present as an adulterant. One of the commonest adulterants is rosin oil, and the presence of this has often been suspected in the essences which leave a tarry residue after evaporation. But this test is not exact, as certain pure essences give a tarry residue by reason of resinification. To detect the presence of rosin oil, the best process consists in a polarimetric examination, which allows the fraud to be detected when the proportion of rosin oil is more than 5 per cent. According to Zune, a more exact process consists in determining the simple indices of refraction. This allows the addition of 1/2 per cent. of rosin oil to be detected.

The following trials should also be used to gauge the purity of a sample of spirits of turpentine. A drop of the essence put on a glass plate and evaporated at a mild heat should not leave any residue. In rubbing a few drops of the essence in the palm of the hand it ought to volatilize rapidly, should not pitch, and should leave only a mild odor, disappearing completely after a few minutes. Finally, a little of the essence of turpentine is shaken up with its own volume of a solution of sal ammoniac. The mixture ought to separate on being allowed to settle into two clear and colorless layers.

MANUFACTURE OF NEATSFOOT OIL.

To turn out an article of first class No. 1 quality, it is evidently of prime

Telegraphic Address: "AUTOMATIC," Leicester.

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MARVELLOUS INVENTION

Patent Automatic Fire Extinguisher.

Extinction of Fire at the Outbreak.

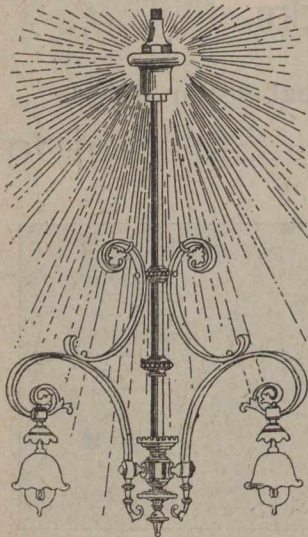
WATER SUPPLY AUTOMATICALLY SHUT
OFF BY THE EXTINCTION OF THE FIRE.
NO MORE STOCKS DAMAGED BY FLOODING.

Sole Inventors and Patentees:

J. G. GRIMSLEY & SONS,

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A GOOD CHRISTMAS PRESENT

Will be some FINE STATIONERY, and the only place
to get the above will be to make application to the

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- Gentlemen's Cardigan Jackets.
- Gentlemen's Fancy Waistcoats.
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- Boy's and Men's Blue Jerseys and Franklin Frocks.
- Ladies' Ribbed Vests, etc.

importance to use nothing but prime, fresh and clean ingredients. The procedure to be followed is important as well as the handling until the finished product is reached.

The best oil comes from the cattle feet, and the feet only. Oil from the shin and bones yields a very good oil, but being high in titre makes it more or less objectionable on account of its high percentage in stearine contents, says the National Provisioner. The No. 1 oil should have a rich, golden yellow color, although some prefer a more lemon shade. It is difficult to produce the dark golden shade, while an easy matter to reduce the shade to an almost white tint. The writer, having had a very extensive experience in this particular branch, with some of the largest packing houses in the West

to-day, can speak from actual knowledge that without any additional expense a far better article should be turned out than actually is done. This would mean the question only of dollars and cents to the manufacturer, himself, since a good neatsfoot oil of high quality is a desideratum for the general market and of the leather trade in particular. Free acids should by all means be kept below 1 per cent. and 0. per cent, if possible. Such an oil, yielding 1 pound per cattle and commanding the highest commercial value can be easily obtained and what is more valuable to the manufacturer himself, at no more expense to make it so. It is all and only a matter of knowing how to proceed. But having seen neatsfoot oil on the market produced at the same cost as high grade oil and hardly deserving the name it bears, it would prove a source of profit to look farther into this matter,

The Tip Top

ENGLISH STYLE...

In Calf
or Kid.

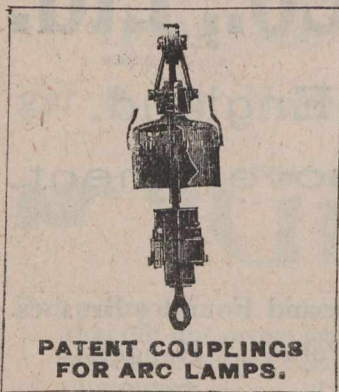


J. A. SABIN

Welford Road,
Leicester
ENGLAND.

Codes : A.B.C., Engineering.

Cable Address : "BRAULIK," London



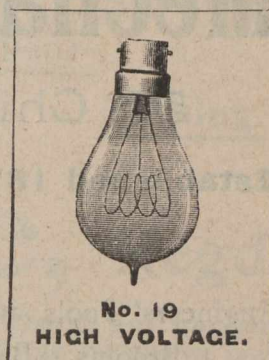
G. BRAULIK,

217 & 218 Upper Thames St.,
LONDON, Eng.

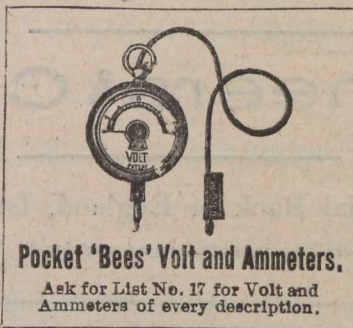
115 Bath Street, GLASGOW, Scotland.
And 39 Pitt Street, SYDNEY, N.S.W.

The Best and Cheapest House for all

ELECTRICAL SUPPLIES,



**BELLS,
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"The London Standard."
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Switches, Switchboards, Cut-Outs and all Lighting Accessories, Wires and Cables

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Special terms to Canadian Houses under the New Tariff Regulations.

Correspondence respecting Agencies is invited from well established houses in the Dominion.

The New "FLAME" Arc Lamps a Speciality.

C. G. ALLEN & SON,

70 OXFORD STREET,
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Manufacturers of the World Renowned

OXFORD BRAND of Boots, Shoes and Sandals and Leggings.

The Canadian Workman's Boot.

The Standard School Boot for Boys and Girls.

The Durable " " " "

The Thoroughgood " " " "

These Standard Lines cannot be beaten for Price and Durability.

Football Boots, The Kickeese, Patent No. 23016. Cycle Shoes with Special Neverslip Soles in M.S. or Veldt Choen. Gents, Ladies Boots in all Styles and Varieties. Our Boys and Girls School Boot, defy Competition.

Specially made for Canadians under the New Tariff 33 1/2 p.c., in their favour.

Out will be inserted next week.

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In Emery and Sandpaper of every description for Finishing Machinery in a large variety of the best quality.

To the Shoe Trade.

We make this Fair Proposition in 1902 as

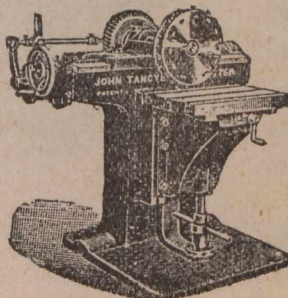
We have now made it for years.

Give us a trial, we will give you satisfaction.

Waxes a Speciality. Felt Wheels and Rollers, Forepart Cutters, Heel Parers, etc., Made to Order.

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63 Highcross Street,
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JOHN · TANGYE, Patent Rotary Planer



FOR FLAT WORK,
EQUAL TO BEST PLANING

In 1/4 to 1/2 the Time.

LARGER SIZES IN HAND.

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Mechanical Appliances Co., Ltd.

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Engineers' Tools, and all kinds of Foundry Requisites. Steel Wire Tube and Foundry Brushes. Brooms. Battery Screens. Sieves. Barrows, etc. Shafting. Pulleys. Hangers. Plummer Blocks, etc. Drill Steel. Picks and Shovels.

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Bankers: National Provincial Bank of England, Ltd., Head Office, London.

Cuts will be inserted when received.

T. SHEPPARD & CO.,

Every Manufacturer should see our NEW DESIGNS in

Clicking and Revolution Presses.

We make a Stronger and Heavier Machine, and charge less money for it, than any other house in the trade.

SPECIAL NOTE.

These Shoe Machines, are supplied to the Canadians by us, 33 $\frac{1}{3}$ p.c. in their favour, under the New Preferential Tariff.



Engineers & Shoe Machinists,
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Sole Cutting Knives
ASPECIALTY.

Our Deep Knives for the Revolution Press are guaranteed to be of the best steel and workmanship.

Depth 4 inches and 4 $\frac{1}{8}$ inches

FACTORIES FITTED
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Price List on Application.

SPECIALITY :

Finishing Machinery.

In use in all the

Principal Factories
throughout the country.

Every Machine Guaranteed.

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Send for Illustrated
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Cuts will appear when received.

Get your Clothing
GOOD, and
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But don't get it
Good-for-
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“Gidaw” Serge, Regd.

Two years ago we introduced “Gidaw” Serge, and guaranteed to replace free of charge any garment that did not prove satisfactory in wear within three months of purchase. Up to the present we have not had a single complaint, and have received the following replies to our enquiries from various customers:—



Gents' Sac Suits.



Youths' Cambridge Suits.

Gents.—We have sold several of the suits of “Gidaw” Serge, but have received no complaints of them, and therefore no application for renewal of garments.
Whitstable.
Yours respectfully, S. T.

Dear Sir.—The “Gidaw” Serge suits you made for me appear to give general satisfaction, and beg to say I have had no complaints from any one customer.
Sheerness-on-Sea
Yours truly, S. J. W.

Gents.—Re “Gidaw” Suits, I have had no complaints respecting the above suits; no doubt it is a very nice quality suit, and they are smart fits and nicely made.
Burnham Somerset.
Yours truly, P. H.

Gents.—I find the “Gidaw” Serge wears well; it is a real good serge.
Torrington.
Yours truly, C. J. W.

Gents.—We beg to state we have not received any complaints re “Gidaw” Serge, or had any claims.
Weston-super-Mare.
Yours faithfully, B. W.

Gentlemen.—I was very pleased with the finish of special suits received Saturday, being rather better quality than I usually order, which means a better class of customer, and it shows you can finish your goods in first-class style.
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Yours respectfully, W.C.C.

Gents.—I may say that your goods and way of making and finishing are pleasing not only to me, but to my customers also.
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Yours sincerely, T. J.



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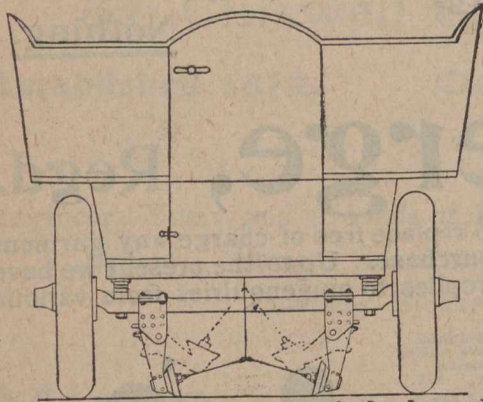
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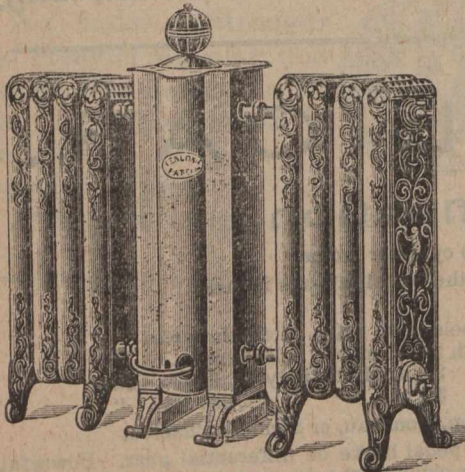
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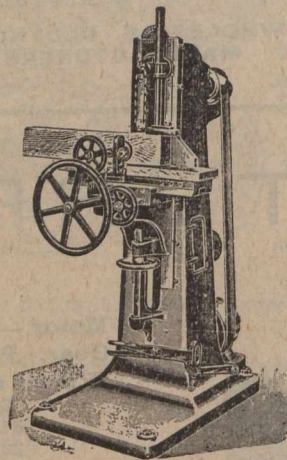
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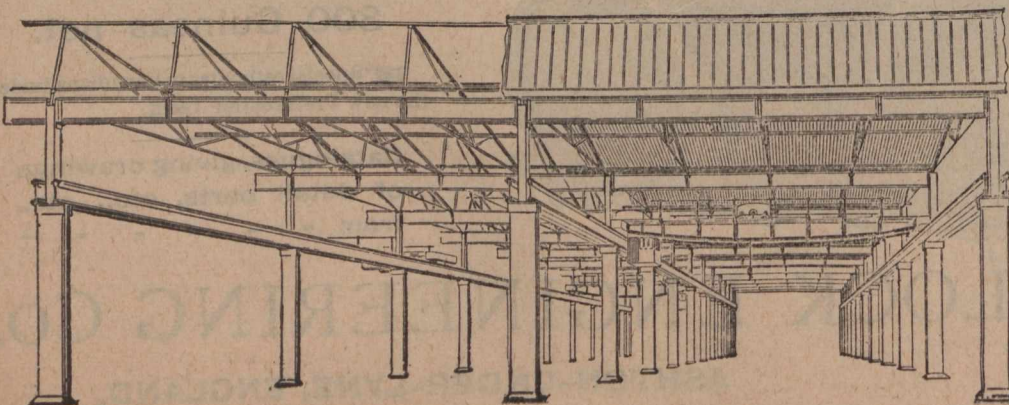
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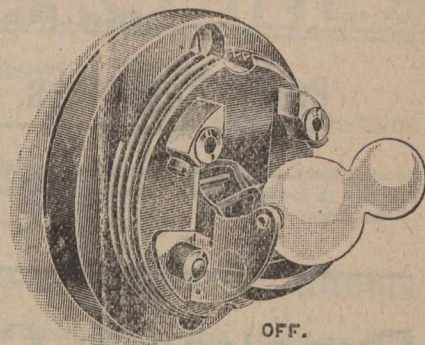
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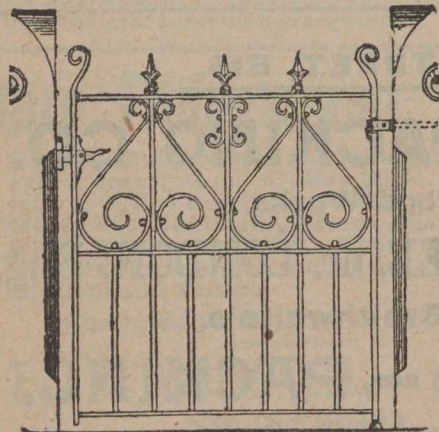
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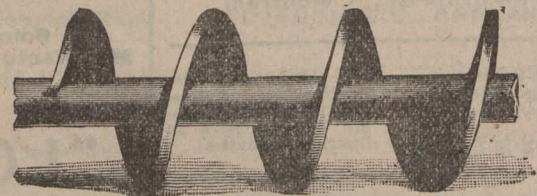
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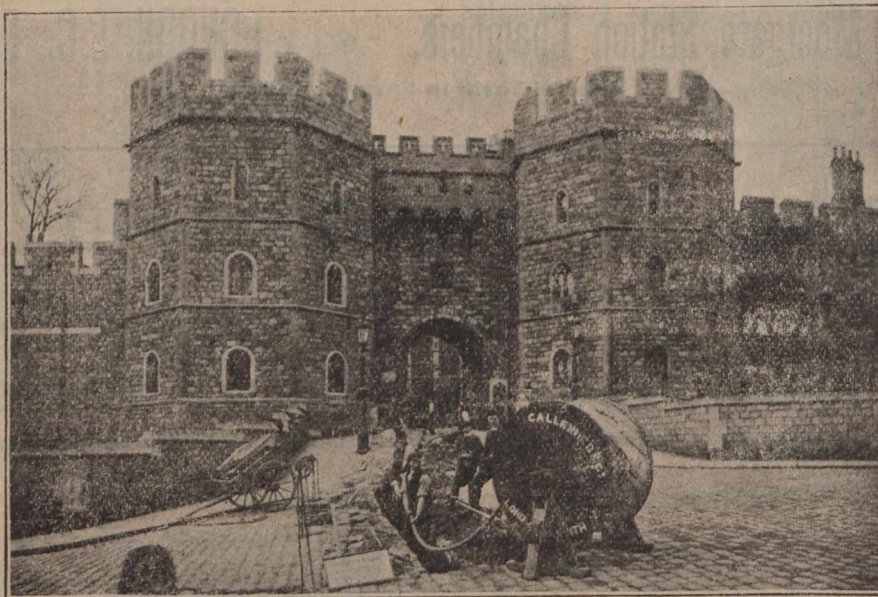


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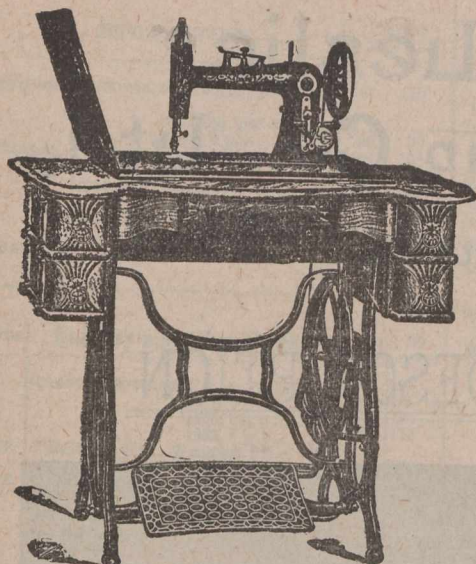
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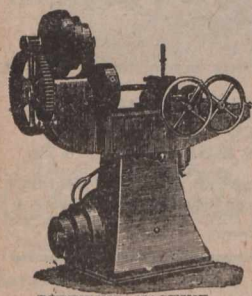
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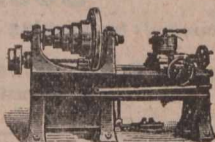
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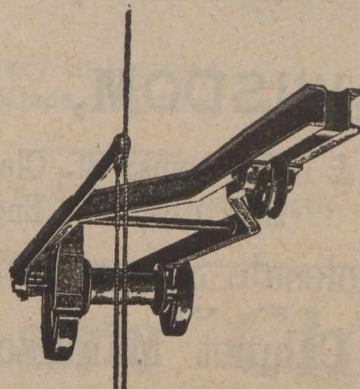
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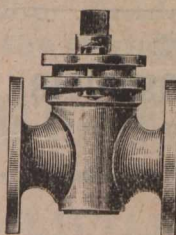
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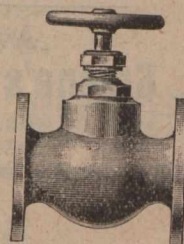
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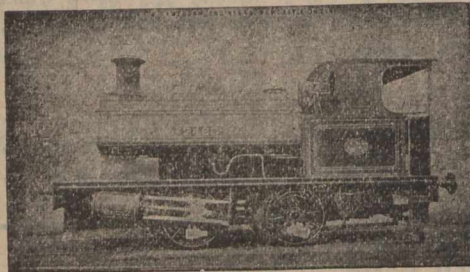
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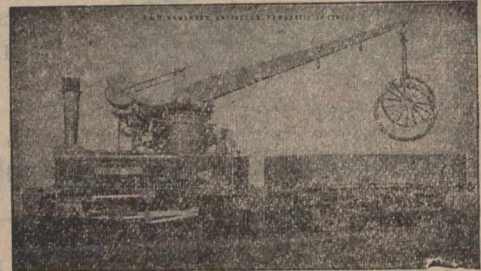


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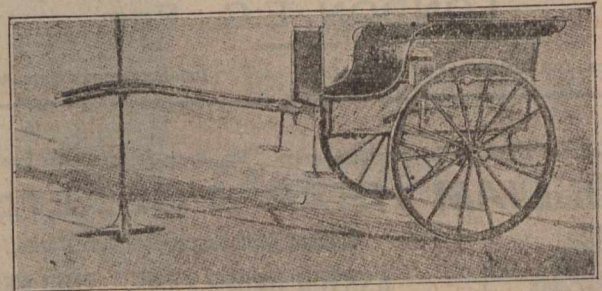
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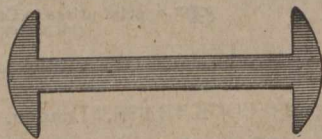
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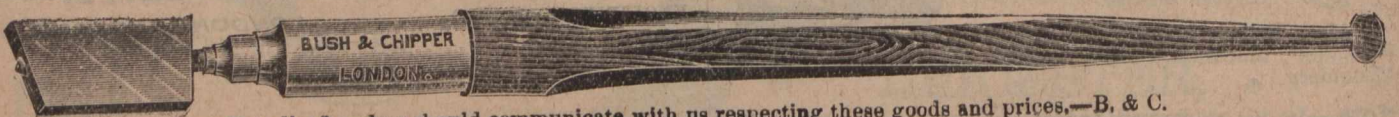
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3 per cent. loan, 1888-99	101	103
Debs. 1884, 3½ per cent	88	90
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	1876, 5 p.c.	100 105
	1880, 4½ p.c.	104 106
	1883, 5 p.c.	109 112
100	Atlantic & Nth. Western 5 p.c. Gua	120 123
	1st M. Bds	13½ 14½
10	Buffalo & Lake Huron \$10 shr	137 141
	do 5½ p.c. bonds	
	Can. Central 6 p.c. M. Bds. Int.	
	guar. by Gov	
	Canadian Pacific \$100	132½ 133
	Grand Trunk, Georgian Bay, &c....	
	1st M.	100 102
100	Grand Trunk of Canada Ord. stock.	16¼ 16¾
100	2nd equip. mtg. bds. 6 p.c.	126 129
100	1st pref. stock	108 108½
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100	3rd pref. stock	46¾ 46¾
100	5 p.c. perp. deb. stock	135 135
100	4 p.c. perp. deb. stock	107 109
100	Great Western shares, 5 p.c.	134 137
100	Hamilton & N.W., 6 p.c.	106 108
100	M. of Canada Stg. 1st Mort. 5 p.c.	
100	Montreal & Champlain 5 p.c. 1st	
	mtg. bds	
100	N. of Canada, 1st mtg., 5 p.c.	103 105
100	Quebec Central, 5 p.c. 1st Inc. Bds...	107 109
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100	Well., Grey & Bruce, 7 p.c. bds.	109 111
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MUNICIPAL LOANS.		
100	City of London (Ont) 1st pref 5 p.c.	100 102
100	City of Montreal stg. 5 p.c 1874	101 104
100	City of Ottawa, 4 p.c., stg.	100 102
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	redeem 1875	
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100	redeem 1878	101 107
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	5 p.c. stg. con. deb. 1874-1876..	109 111
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	4 p.c. stg. bonds,	
100	City of Winnipeg deb., 1884, 5 p.c.	105 107
	Deb. scrip. 1883, 6 p.c	
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100	Canada North-West Land Co.	97 102
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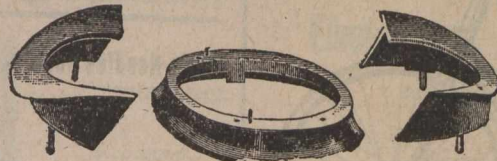
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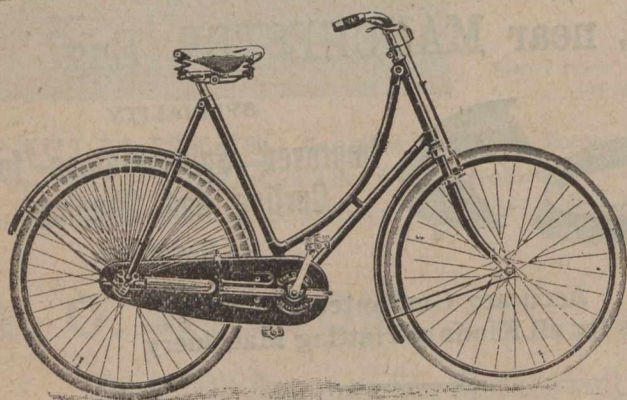
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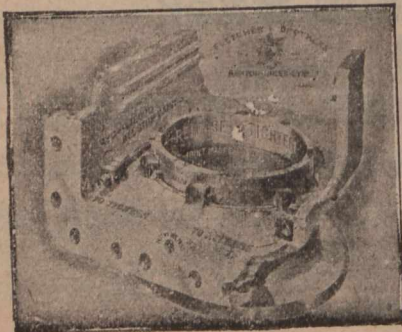
STEEL.—Best Crucible Cast Steel for Turning and Slotting Tools, Saws, Punches, Dies, and Chisels; also for Masons' Hammers, Chisels, Picks, Quarry and Miners' Drills, &c.; Bessemer and Siemens-Martin Steel in Bars, Sheets and Strips.
FILES AND RASPS of every description or made to any pattern.
HAMMERS for Engineers, Smiths, Masons, Miners and Quarry Work.
CHISELS for Engineers, Masons, and other purposes
SHOEMAKERS' TOOLS, Knives, Hammers, Nippers, Rasps and all descriptions of Shoemakers' Tools.
CUTLERY.—Carvers, Table and Dessert Knives, Pen and Pocket Knives Razors, Scissors, Spoons and Forks.

Fletcher • Brothers,
ASHTON-UNDER-LYNE,
ENGLAND.

NEW STEAM
"DIVERGENT"

STOP VALVES

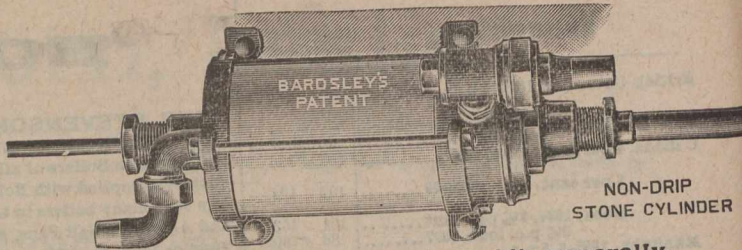
With Patent Removeable Expansive Seatings,
Simple Bye-pass Arrangement.



Safety
Valves

with separate outlet
for Low Water Steam
distinct from High
Steam.

Special rates to Canadians
under the New Prefer-
ential Tariff.



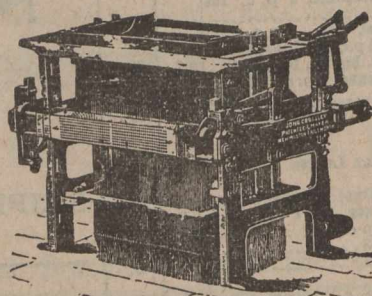
A GREAT BOON to Publicans and the Public generally.

"BARDSLEY'S"
Patent NON-DRIP STONE
CYLINDER BEER PUMPS.

Prevent Beer Poisoning, Waste and Nauseous
Taste in Morning. Will Repay Cost
in 12 months.

Can be fitted to any Machine. Write for Particulars.
BARDSLEY & CO., 39 UNION STREET,
OLDHAM, ENG.

400's Needles Double-Lift SINGLE CYLINDER JACQUARD MACHINE



For weaving Cotton, Linen, Woollen, Silk and other classes of
goods, when a high speed is desired. Manufactured by

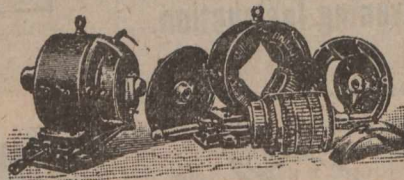
JOHN CROSSLEY,

INVENTOR OF THE

Double-Lift Jacquard,

NEW MOSTON, Failsworth, (Near Manchester,) ENGLAND.

ELECTRICAL PLANTS FOR
LIGHTING and MOTOR DRIVING.



"TURNER" D.P. TYPE
ENCLOSED MOTORS.

TURNER, ATHERTON & CO., Ltd.,

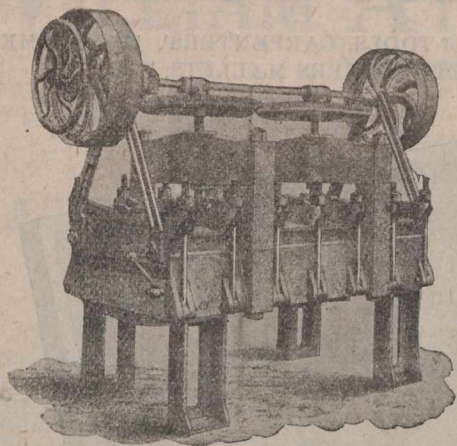
Electrical Engineers, &c.,

Electrical
Accessories.

DENTON, Manchester, Eng.

These Motors are manufactured especially for the Canadian
market, under the new preferential tariff, 33% per cent.
in favour in the English market.

Established 1842.



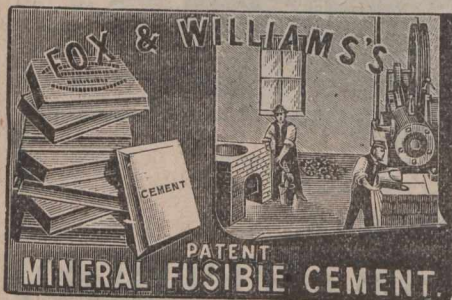
JOHN HEALD,

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and Brass Founder, &c.,

CHORLEY, - LANCASHIRE, ENGLAND.

Sole Maker of JOHN HEALD'S Patented
Doughing and Grinding Machine for
Waterproofing. Maker of Mixing, Wash-
ing and other India Rubber Works Ma-
chinery. Vulcanizing Presses, Pans,
Moulds, Etc.

FOX & WILLIAMS'S Mineral Fusible Cement,



(The
Strongest,
Hardest,
Most
Effective
and
Economical)

It is invaluable when used to secure shaken Walls or Engine Beds,
to run Wall Boxes or Iron Fixings fast in Brick or Stonework,
and Bedding on foundations. It makes a PERMANENT,
SOLID, FIRM and SUBSTANTIAL JOB.

For Prices and Particulars Apply to

FOX & WILLIAMS,
SOLE MAKERS,

Spread Eagle Works,
Trentam St., Chester Rd., - **Manchester, England.**
Manchester Royal Exchange, Tuesdays & Fridays, Pillar 12, 1 to 2.

C. Bevans, 92, Highcross Street,
LEICESTER, England.
Maker of all kinds of Knitting Needles Points, etc.

Sole Maker and Patentee of the **Combined Swing Jack and Needle,**
Made in all Gauges and Designs.

Breakage reduced to a minimum.
50 p.c. Increased Production. 70 p.c. Saving in Waste.
No Jacks used, therefore no soldering.
Every Needle Guaranteed Standard Length.
Applicable to all classes of Circular Machines.
Price Lists and Sample on application.
Special Price to Canadians.

The Best House in the OLD COUNTRY
-For-
PICKLES, SAUCE &
TABLE SALT, IS . . .

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Write for Price List

Hartley, Baxter & Co. LIMITED.

Electro-Plate and Cutlery Manufacturers.



C 113—Xylonite, Silver Ferrule, 28s. 6d.; Ivory, Silver Ferrule, 36s. 6d. doz



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Tenter Street, . . . **SHEFFIELD, England**
Catalogue on Application.

Richard Robinson, BRASS and IRON FOUNDER,

Manufacturer of all kinds of
Extra Strong Gun Metal

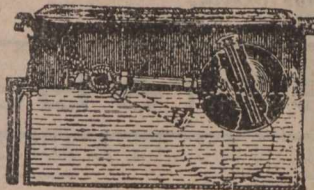
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ENGINEERS' AND MILLWRIGHTS' BRASS WORK.

WILLIAM ROBINSON'S Patent Improved

Syphon Box or Steam Trap

Over 50,000 have been sold.



Manor Street Works,
GUIDE BRIDGE,
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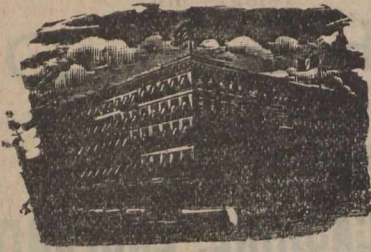
SAYNOR, COOKE & RIDAL,

Manufacturers of every description of

Pen, Pocket & Sportsmans Knives, Pruning &
Budding Knives, Vine, Pruning & Fancy Scissors,
Garden Shears, and all kinds of Horticultural Tools.

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Leading Hotels in Canada.



ROSSIN HOUSE, TORONTO, Canada.

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The proprietor has found necessary owing to the increased patronage of this popular Hotel to increase its capacity by an addition of 75 rooms, elegantly furnished en suite with baths, now ready for occupation. The latest exposed sanitary plumbing has been adopted throughout. THE ROSSIN is admittedly the largest, best appointed and most liberally managed hotel in the Province, having accommodation for 500 guests.

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THE RUSSELL,
OTTAWA.

THE PALACE HOTEL OF CANADA.

This magnificent new Hotel, fitted up in the most modern style, is now re-opened. The Russell contains accommodation for over Four Hundred Guests, with passenger and baggage elevators and commands a splendid view of the City, Parliamentary grounds, river and canal. Visitors to the capital having business with the Government find it most convenient to stop at the Russell, where they can always meet the leading public men. The entire Hotel is supplied with escapes; and in case of fire there would not be any confusion or danger. Every attention paid to Guests.

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A Good Company to Represent.
A Splendid One to be Insured in.

The steadily increasing amount of new business written indicates the growing popularity of the Company, and the confidence the insuring public place in it.

Active men who desire to work up substantial incomes for themselves by renewals, should correspond with the

THE NORTH AMERICAN LIFE
Assurance Company,

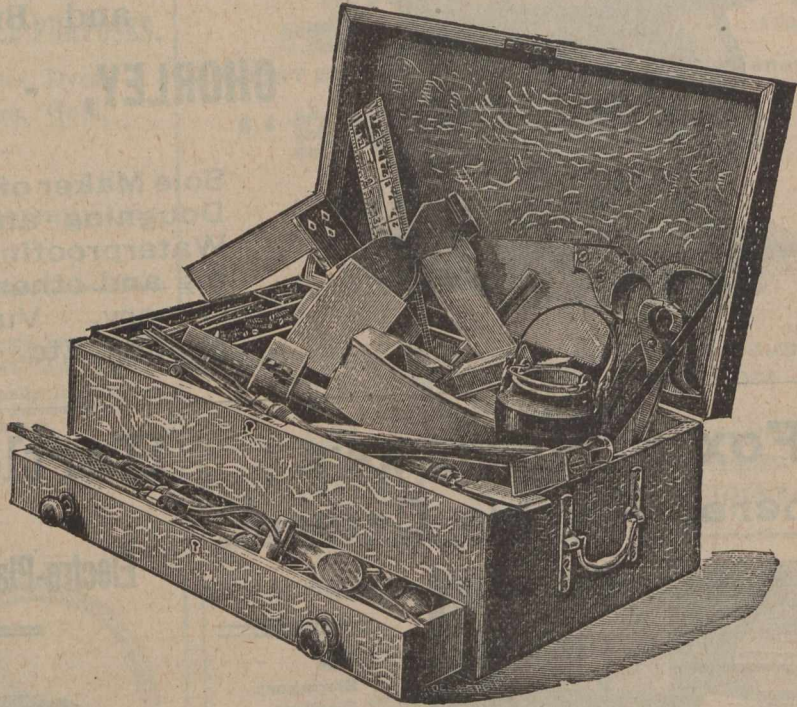
Home Office: - TORONTO, Ont.

L. GOLDMAN,
Secretary.

Wm. McCABE,
Managing Director

James Needham

Manufacturers of every description of TOOLS, CARPENTERS', GENTLEMEN'S OAK TOOL CHESTS, TOOL CABINETS, JOINERS MALLETS, ETC.



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And SHOREHAM ST.,

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"CROWN"

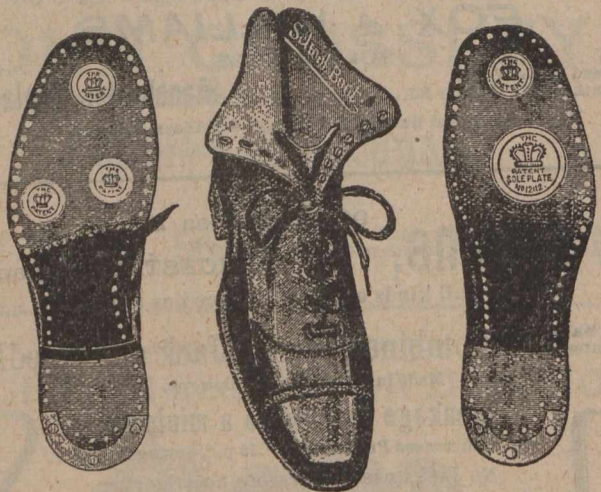
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MANUFACTURERS,

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The finest Boys' and Girls' BOOTS, made for Canadians under the New Preferential Tariff.

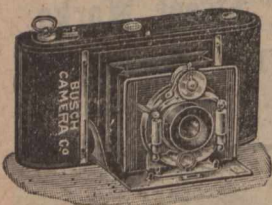
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CAMERAS for PLATES or ROLL FILMS

FITTED WITH LENSES WHICH ENABLE YOU TO TAKE

PHOTOGRAPHS IN ALL WEATHER.



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WILLIAM ATKINS & Co., LIMITED.

Telegraphic Address:
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Corporate Trade Mark.

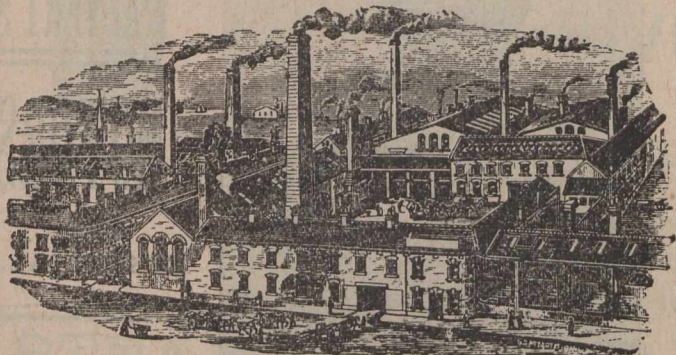


ATTERCLIFFE,

RELIANCE STEEL WORKS,

Sheffield, England.

Manufacturers of all kinds of Crucible



CAST STEEL

For Engineers, Shipbuilders, Boilermakers and other purposes.

SPECIAL DRILL STEEL

As supplied to the Gold Fields of Australia, Africa, &c.
Expressly Adapted for Mining and Quarry Work; also
of Rapid Cutting Steel for Turning

TOOL STEEL

For Turning Chilled Rolls, or any Hard Metals.

Cast Steel Sheets, Blister, Single and Double Shear Steel, Coach and Railway Spring Steel, Sewing Machine Steels, &c., &c. Best Warranted Cast Steel **FILES**. Solid Steel Hammers and Superior Cast-Steel Saws of every description.

Special terms to Canadians under the New Tariff.

Up-to-Date Canada!

RENOLD CYCLE CHAINS

For 1903.

Fitted by all the leading British Cycle Manufacturers to their High Grade Machines.

MANCHESTER, Eng.

Telegraphic Address:—"DAZZLE, MANCHESTER." A.B.C., Code.

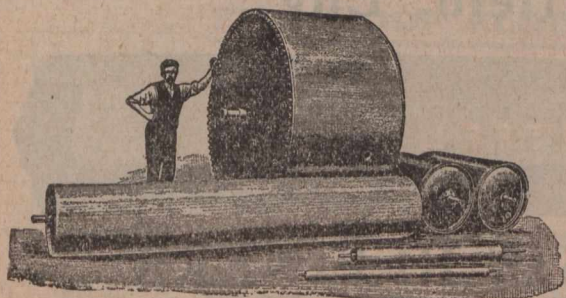
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Successors to

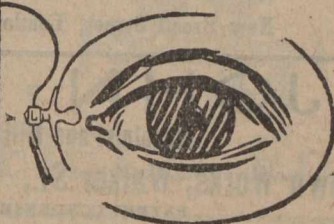
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Engineers, Tin and
Copper Smiths.

Designers of Special
Machinery.



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A Good Line



Speaking of Printing
"KEYSTONE"
suggests itself at once.

For the progressive merchant "KEYSTONE" Stationery fills the bill.

- It's padded;
- Put up in neat boxes
- Labelled
- And delivered in the cleanest way possible.

Customers realize the advantage of the boxes.

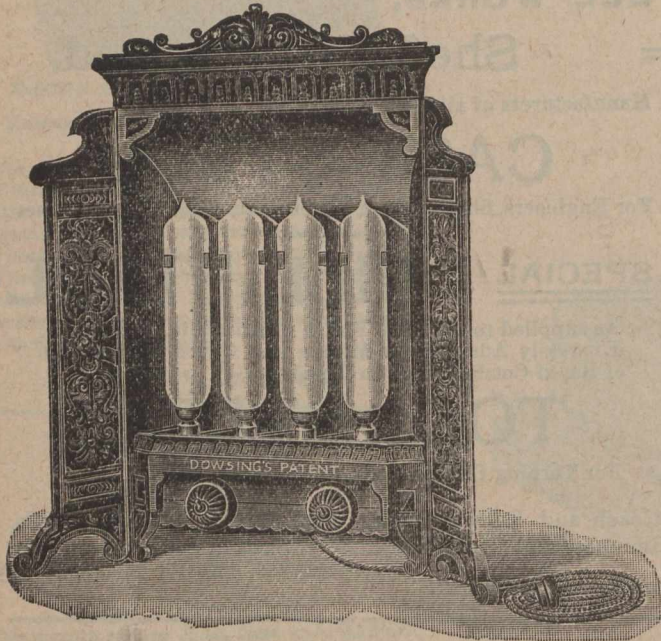
Send for figures on your next lot.

Journal of Commerce Job Dept.

171 ST. JAMES ST.

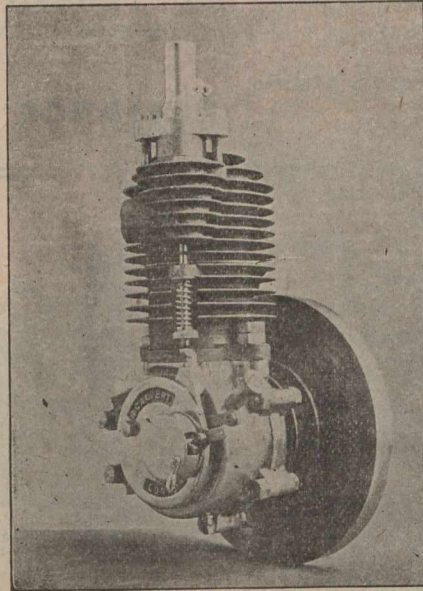
Contractors are invited to apply **Pure Air Radiator** (ELECTRIC.) for particulars of the

For Diffusing Heat. Portable. No Reduction of Oxygen by Coal Fires. No Deleterious Fumes from Gas Stoves. No Dirt. No Ashes. No Dust. For Hospitals, Infirmaries, Sanitariums, Public Buildings, Private Mansions, &c.



JAMES MELLING, - DASHWOOD HOUSE,
New Broad Street, London, E.C., England.

For • Motor • Cycles



Down Hill, Any-thing on wheels will run, BUT Up Hill

CALVERT'S
MOTORS

ARE ESSENTIAL.

WORKS AND OFFICES:

12 Woodville Rd., Mildmay Park,
LONDON, N. ENG.

Specially made for Canadians under the New Preferential Tariff.

JOHN KAY,
Machinist and Mill Furnisher,
Crown Works, Walker St., - **ROCHDALE, ENGLAND**
PATENT CONDENSER BOBBIN.



The Heads of these Bobbins contain a Square Hole in the centre, and are fitted on a Square Projection attached to the end of the Barrel, as shown above; thus the heads cannot turn round or get loose. This is the only means of avoiding the frequent and costly repairs, and the abundance of Loose Bobbin Ends so common in Mills. Old Bobbin Ends may be utilized and converted to this principle.

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A. B. HUGHES & CO.,
Hosiery Manufacturers,
Great Central Street, - **LEICESTER, England.**
Special rates to Canadians under the New Tariff.

SPECIALITIES.

- Men's Cardigan Jackets, in Black, Brown, Navy, Kharki and Natural Brown.
- Men's Fancy Sweaters, in White, Grey, Heather, etc.
- Gent's Golf and Cycle Hose, in large variety, Plain and Fancy Tops, etc.
- Men's Natural Ribbed Body Belts, as supplied for Government use.
- Ladies' Skirt Knickers, in Navy Serge, Fancy Tweeds, Cords, etc.
- Men's Fancy Knitted Vests.
- Men's Ribbed Hose and Half-Hose, in Heathers, Fancy Mixture Fingerings, Sells, etc.
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- Patent Loop and Nett White Cotton Braces.

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ATKINSON BROTHERS, LTD.,

MILTON WORKS and BRITANNIA STEEL WORKS, **Sheffield, Eng.,**



STEEL CONVERTERS and REFINERS
Manufacturers of ... **BEST CAST STEEL**

FOR ... **L**ATHE and Planing Tools, Milling Cutters, Screwing Tackle, Shear Blades, Punching Tools, Chisels, Files, Miners' Drills, Hammers, Sates, Smiths' Tools, Rivet Tools, Spindles, Welding Steel, and Sheet Steel for all purposes.

Telegraphic Address: "RIVET, SHEFFIELD."

HENRY COOPER & CO.,

....Manufacturers of....

STEEL RIVETS

To stand Tests of Admiralty,
Board of Trade, Lloyds,
India Office, and India
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IRON RIVETS OF EVERY DESCRIPTION.

ALSO MAKERS OF

HEAVY AND LIGHT CASTINGS

Brass, Gun Metal, in Phosphor-Bronze,
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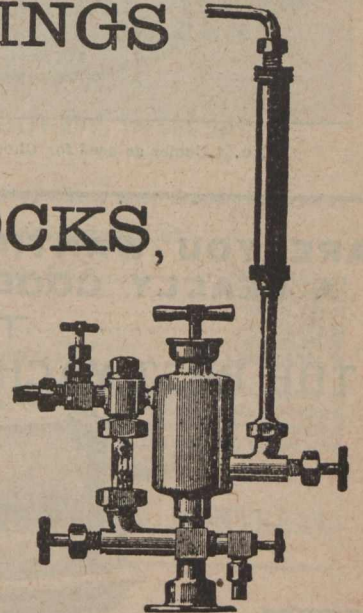
ALSO OF ALL KINDS OF

STEAM and HYDRAULIC COCKS, WHEEL VALVES,



Sight-Feed Lubricators,
Water-Gauge Fittings,
Marine Lubricators,
Fusible Plugs, &c.

VULCAN RIVET & BRASS WORKS.



Tinsley Park Road, - SHEFFIELD, Eng.

T. J. HAYES,

Special Attention
paid to
Export Orders.

Maker of every description
of



Wire Mattresses.

5 1/2 Years with Rowcliffe's, Levenshulme.

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(Cut will be inserted as soon as made.)

Rigby, Wainwright & Co.,

Manufacturers,

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Cotton Waste, Sponge Cloths and Lamp Wicks.

Flags of all Nations,
Buntings, Dusters, Scourers, &c.

Telegraphic Address: "SEAKING," A.B.C. Code.

Telegrams, "Steelyard," London.

Telephone No. 5457 Bank

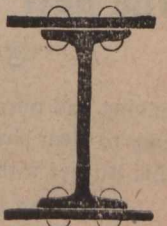
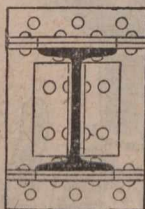
FIREPROOF FLOORS, JOISTS, ROOFS, GIRDERS.

DEANE, RANSOME & CO.

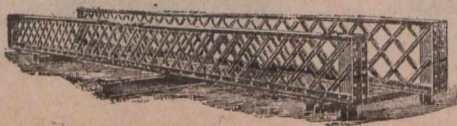
CONSTRUCTIONAL ENGINEERS,

79 Queen Victoria Street, - LONDON, E.C., Eng.

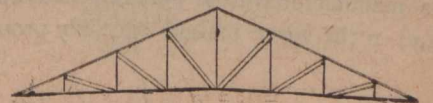
PLYMOUTH WHARF, DOUBT, TOWN, E.



... CHANNELS, TEES, ANGLES, STANCHEONS ...

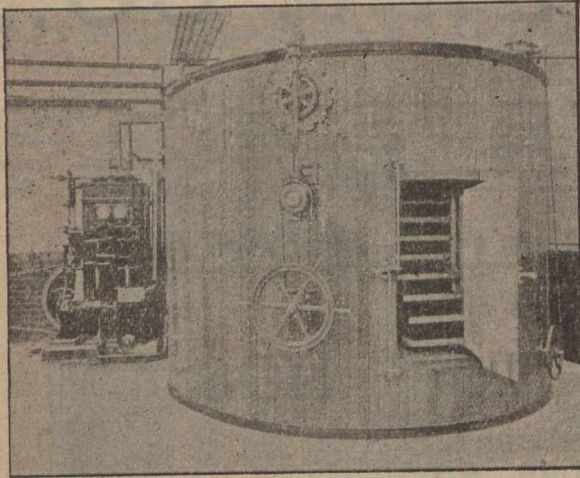


Special terms to Canadians under
the New Tariff.



A Revolution In Refrigeration ...

No loss of cold.



No. 4, Cooler as used for Chocolate Cooling.

**THE EXPRESS . . .
ROTARY COOLER.**

(McRae & Broadbent's Patents)

Can be used in conjunction with existing plant. Results fully guaranteed. The Ideal Apparatus for Cooling and Preserving Articles of any kind. The highest standard of efficiency and economy.

**THE EXPRESS ROTARY COOLER
SYNDICATE, LTD.**

7 Fenchurch Ave., - London, E.C., Eng.

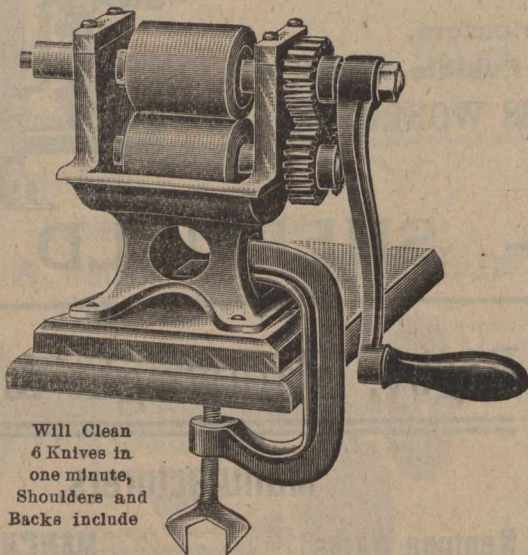
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Forest Road, Dalston.

Special prices to Canadians under the new tariff.

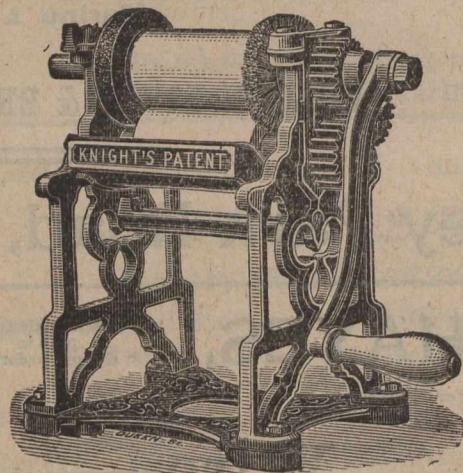
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A REALLY GOOD KNIFE CLEANER?
TRY KNIGHTS PATENT.
THE BEST MACHINE TO USE OR SELL.**

Made in 5 Sizes for 12/6 to 30

**KNIVES
POLISHED
LIKE
SILVER.**



Will Clean
6 Knives in
one minute,
Shoulders and
Backs include



Will clean 8 Knives or 8 Forks in
one minute.

**NO
DAMAGE
TO
CUTLERY.**

SPLENDID VALUE. QUICK SELLING LINE.

MANUFACTURED SOLELY BY

John Crowley & Co., Ltd., Sheffield, Eng.

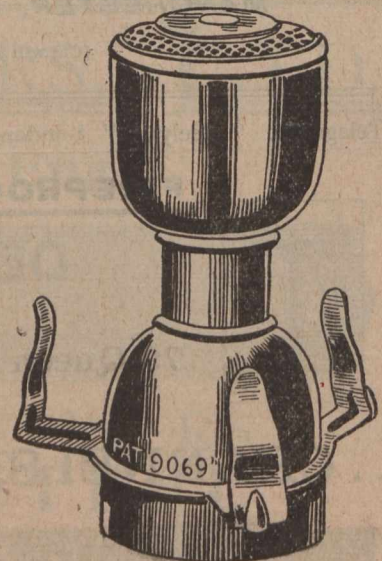
THE "PATENT" BURNER.

English and Continental Patenets Secured.

**The New Export Incandescent Lighting Company, Ltd.,
36 Mansell St., LONDON, E. Eng.**

having had numerous enquiries for a Burner which being simple in construction and easy to clear shall meet the popular demand as to price, have pleasure in submitting this Burner with confidence to their Clients.

It is Brass throughout, consisting of two pieces only—the one part is shewn in Fig. 3, containing the gallery holder, chimney guard and injector, this latter having in its base a threaded orifice to take the adapter. The second part is shewn in Fig. 1, which completes the bunsen. This section is gently inserted into the support shewn in Fig. 3. It is manufactured to fit perfectly so as to prevent escape of gas or the ingress of air save and in the space manner specially provided.



Insurance.

The Federal Life ASSURANCE COMPANY.

HEAD OFFICE - HAMILTON, CANADA.

Capital and Assets - - - \$2,319,925.58
 Surplus to Policyholders - - - 1,029,075.64
 Paid Policyholders in 1901 - - - 182,925.67

MOST DESIRABLE POLICY CONTRACTS.

DAVID DEXTER,
 President and Managing Director.
 J. K. McCUTCHEON,
 Supt. of Agencies,

H. RUSSELL POPHAM, Provincial Manager.

ONE OF THE BEST

Propositions in Life Insurance to-day is the Guaranteed Investment Policy of THE MANUFACTURERS LIFE INSURANCE COMPANY. By this plan the policyholder can borrow all the premiums after the fifth, and should he die between the tenth and the final year of the investment period, all premiums paid after the tenth will be returned with the face of the policy, thus overcoming the objection to the ordinary method of accumulating the profits during the investment period.

Give your age next birthday when writing for rates.

Head Office—Toronto.

Scottish Union and National INSURANCE COMPANY,
 Of Edinburgh, Scotland.

ESTABLISHED 1804.

M. BENNETT, Jr., Gen. Manager North American Branch, Hartford, Conn
 Capital \$30,000,000 | Invested Funds.....\$13,500,000
 Total Assets 34,472,705 | Deposited with Dom. Govt., 125,000
 (Market value.)

WALTER KAVANAGH, Resident Agent, 117 St. Francois Xavier St., MONTREAL

Cables: "Humphreys Knightsbridge, London." Code: A.B.C.

ESTABLISHED 1834.

HUMPHREYS LIMITED,

Manufacturers and Shippers of

IRON BUILDINGS

To all Parts of the World.

Shipping Price Lists and Designs on Application
 Highest Awards—21 Gold and Silver Medals.

HUMPHREYS Ltd., KNIGHTSBRIDGE, London, S.W. Eng.

Insurance.

British * America ASSURANCE COMPANY.

HEAD OFFICE, - - - TORONTO,

Incorporated 1833.

FIRE AND MARINE.

Cash Capital, \$1,000,000.00
 Assets, \$1,776,606.45
 Losses Paid since organization, .. \$19,946,517.73

Geo. A. Cox, President. J. J. KENNY, Vice-Pres. P. H. SIMS, Secretary
 C. R. G. JOHNSON, Res. Agent, 1723 Notre Dame St., MONTREAL.

The Mutual Life INSURANCE COMPANY

OF NEW YORK.

RICHARD A. McCURDY, President.

STATEMENT FOR THE YEAR ENDING DECEMBER 31st, 1901

Assets, - \$352,838,971.67

Reserve on Policies (American Table, 4 p.c)..... \$289,652,388.84
 U.S. Bonds and other Securities 198,063,981.24
 Surplus..... 23,171,709.01
 Receipts from all sources 65,624,305.51
 Payments to Policyholders..... 42,452,606.50
 Risks and annuities in force amounting to..... 1,243,508,101.11

NOTE.—The above statement shows a large increase over the business of 1900 in amount at risk, new business assumed, payments to policy-holders, receipts, assets and surplus; and includes as risks assumed only the number and amount of policies actually issued and paid for in the accounts of the year.

AGENTS WANTED. Apply to

FAYETTE BROWN, Manager, MONTREAL.

(FOUNDED 1825.)

Law Union & Crown Ins. Co.,

(OF LONDON.)

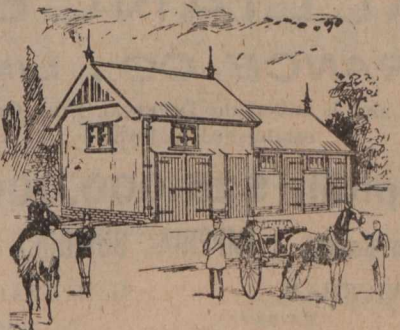
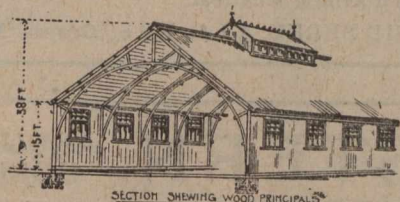
Assets exceed, - - - \$22,000,000.

Fire risks accepted on most every description of insurable property.

Canadian Head Office: BEAVER HALL, MONTREAL

J. E. E. DICKSON, Manager.

Agents Wanted throughout Canada.



NEW YORK LIFE

INSURANCE COMPANY.

JOHN A. McCALL, President.

Gain in Insurance in force 1901
\$163,000,000

AN UNPARALLELED RECORD.

Applications invited by the undersigned for general and special agencies, and management of territory from experienced Life Insurance men, as well as from those wishing to acquire training and experience.

WESTERN CA BR., 496 1/2 Main St., Winnipeg, Man.
N. B. BR., 12 Prince William St., St. John, N. B.
TORONTO BRANCH, 6 King St., West, Toronto, Ont.
HALIFAX BR., Barrington and Prince Sts.

G. F. JOHNSTON,

AGENCY DIRECTOR,

Company's Building, MONTREAL

J. DUNCAN DAVISON

Imperial Bdg. 107 St. James Street,
Montreal.

COMMISSIONER

For Following Provinces:

Ontario, Quebec, Manitoba, New Brunswick
Nova Scotia and Prince Edward Island.

LIVERPOOL & LONDON & GLOBE

INSURANCE COMPANY.

Available Assets, - - \$61,187,215

Funds Invested in Canada, - \$3,300,000

Security, Prompt Payment and Liberality in the adjustment of Losses are the prominent features of this Company.

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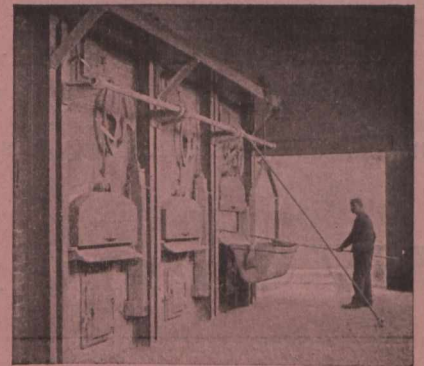
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