

THE CANADIAN
JOURNAL OF COMMERCE
 FINANCE AND INSURANCE REVIEW.

Vol. 55. No 23 }
 New Series. }

MONTREAL, FRIDAY, DECEMBER 5, 1902.

M. S. FOLEY,
 EDITOR AND PROPRIETOR

DECEMBER						
SUN	MON	TUE	WED	THU	FRI	SAT
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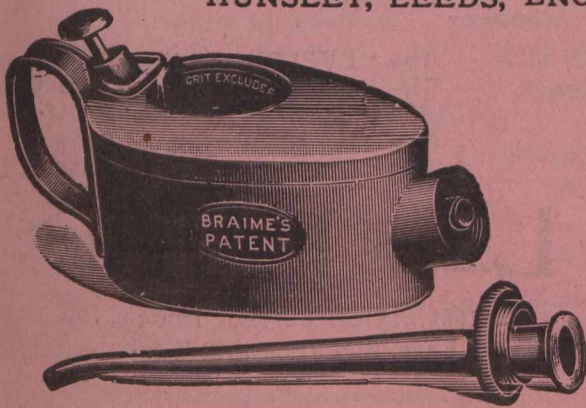
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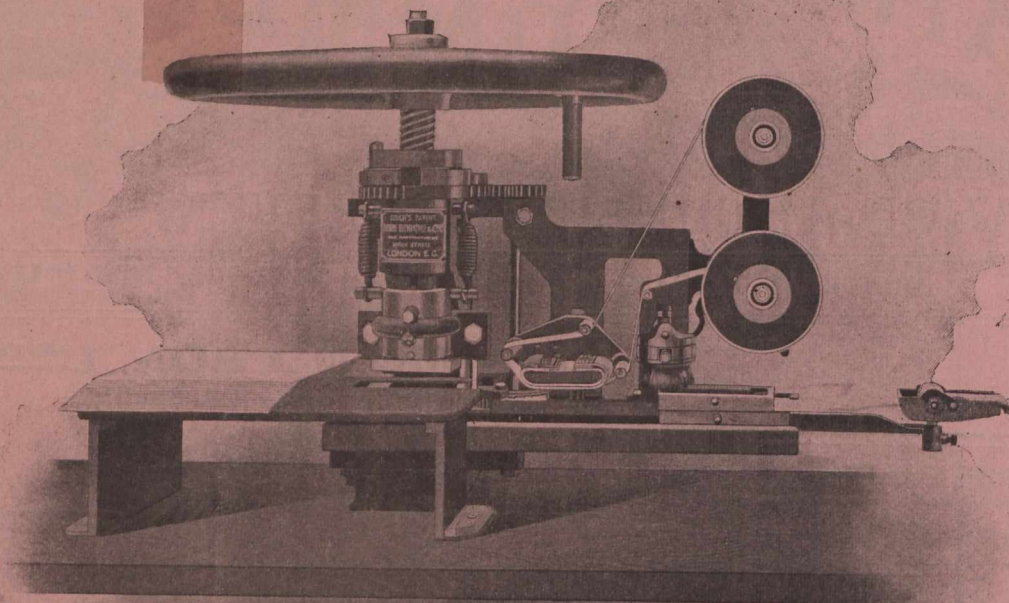
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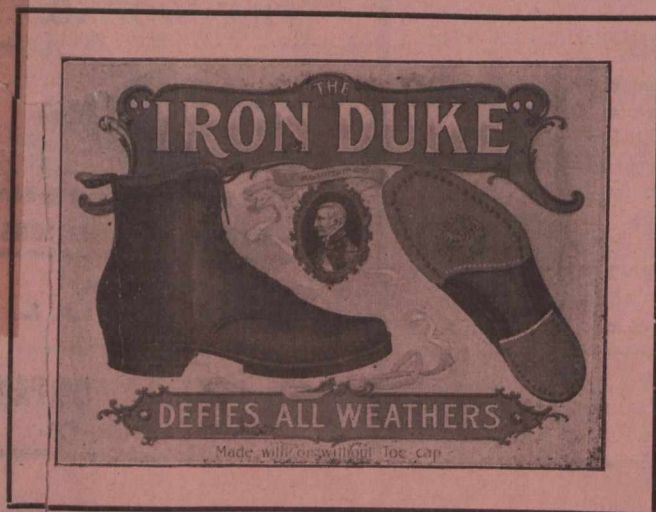
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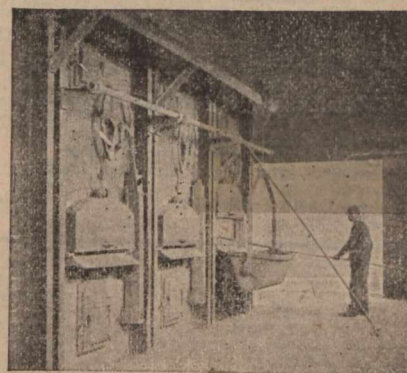
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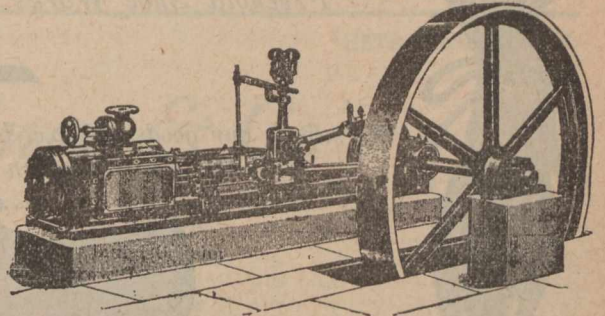
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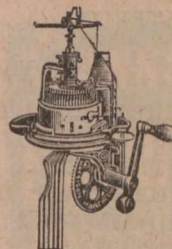
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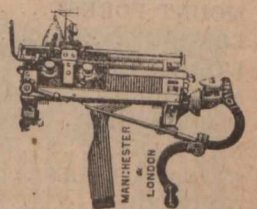
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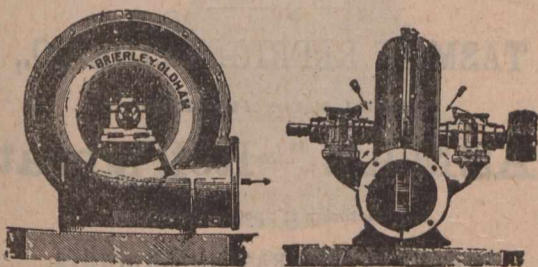
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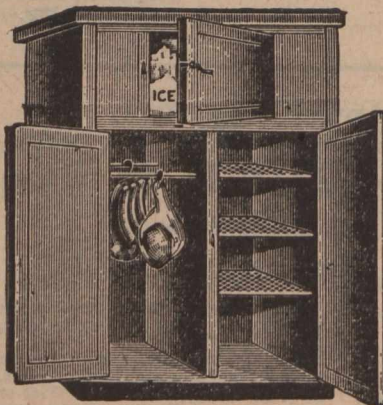
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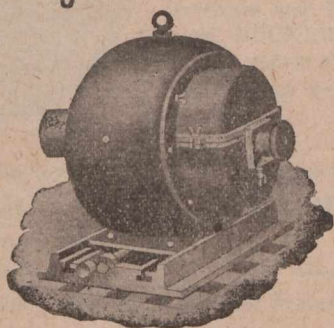
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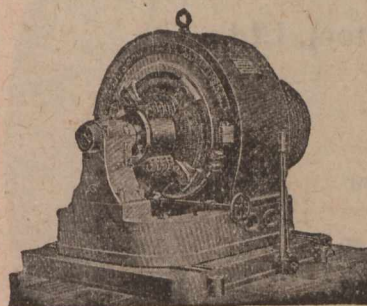
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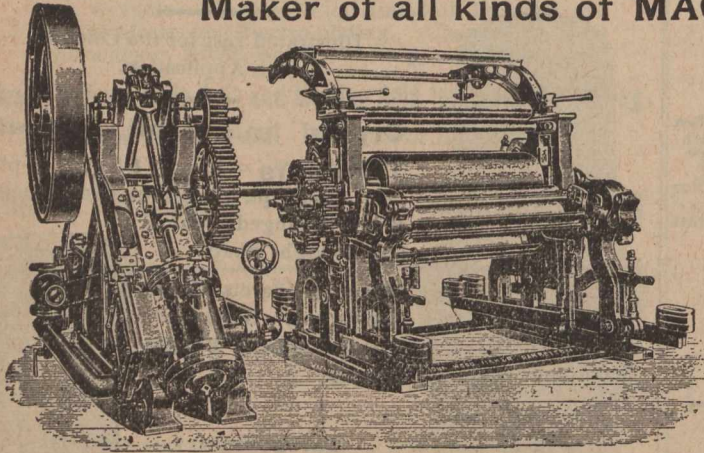
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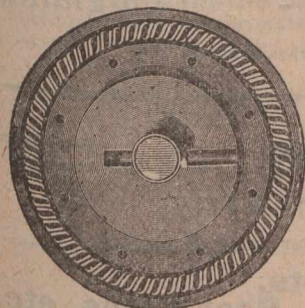
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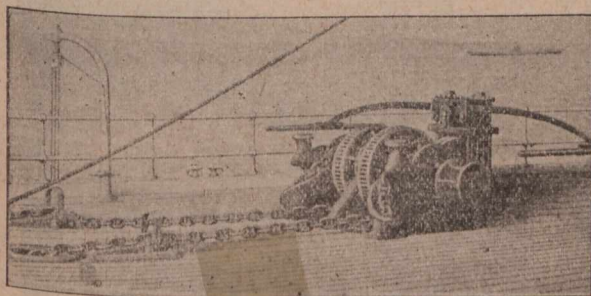
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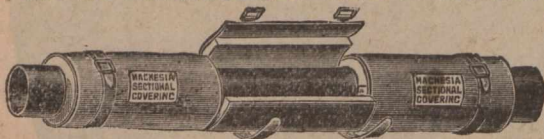
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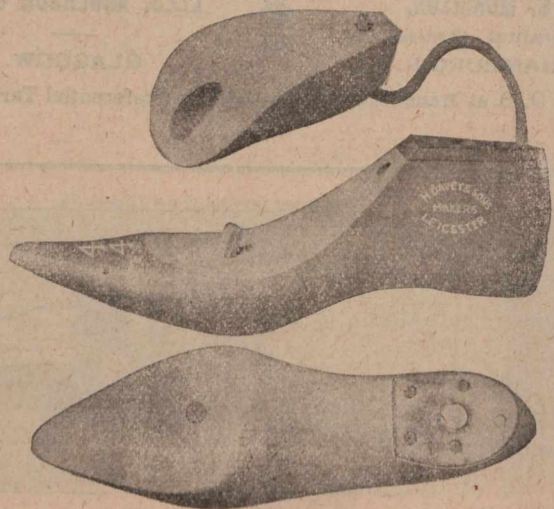
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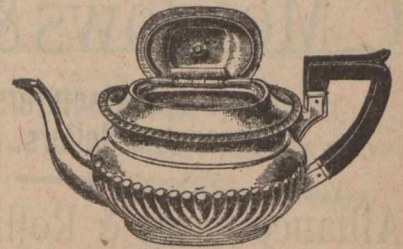
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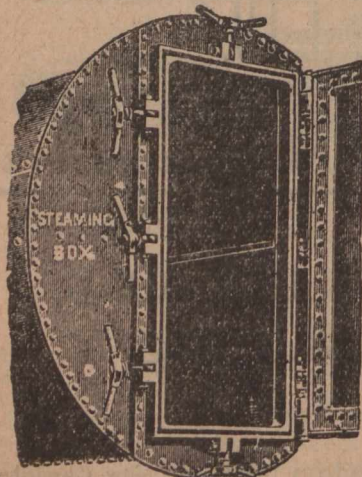
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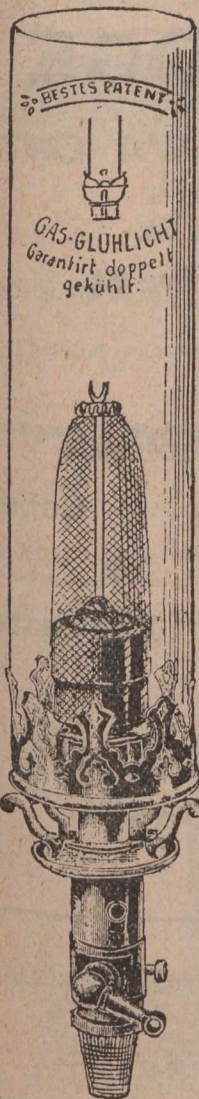
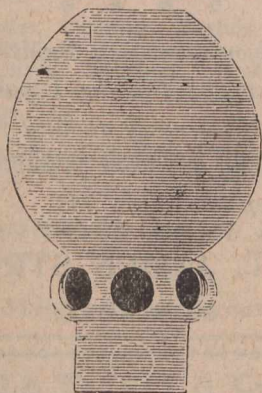
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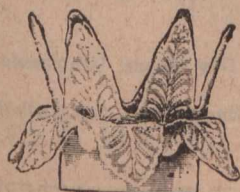
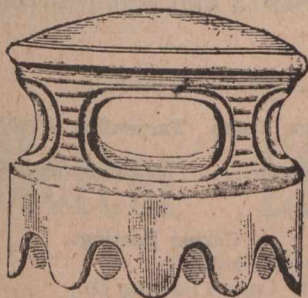
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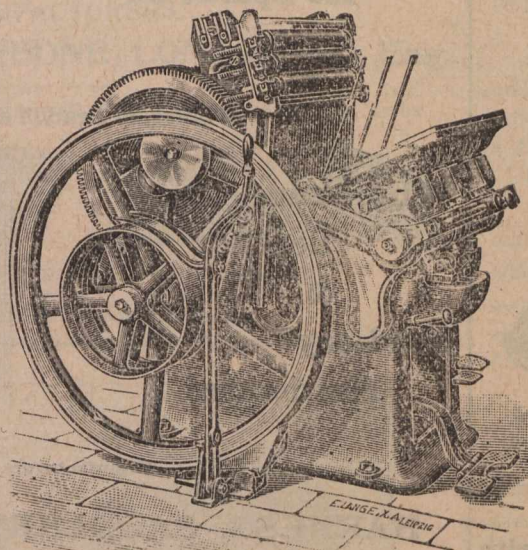
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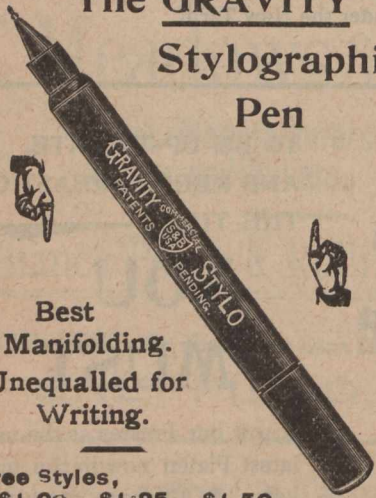
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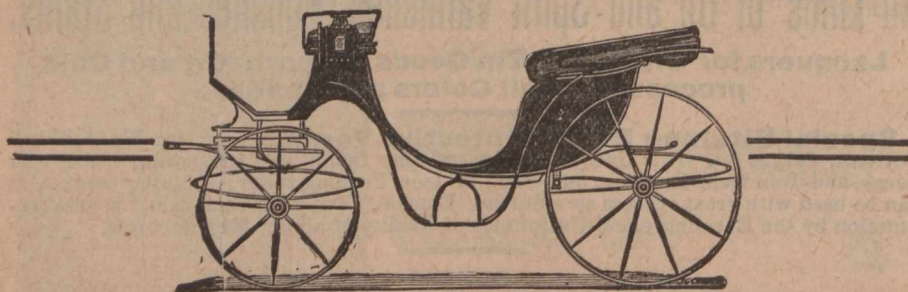
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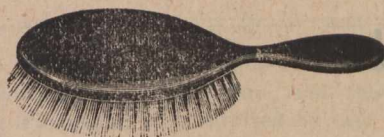
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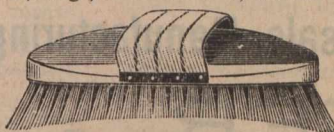


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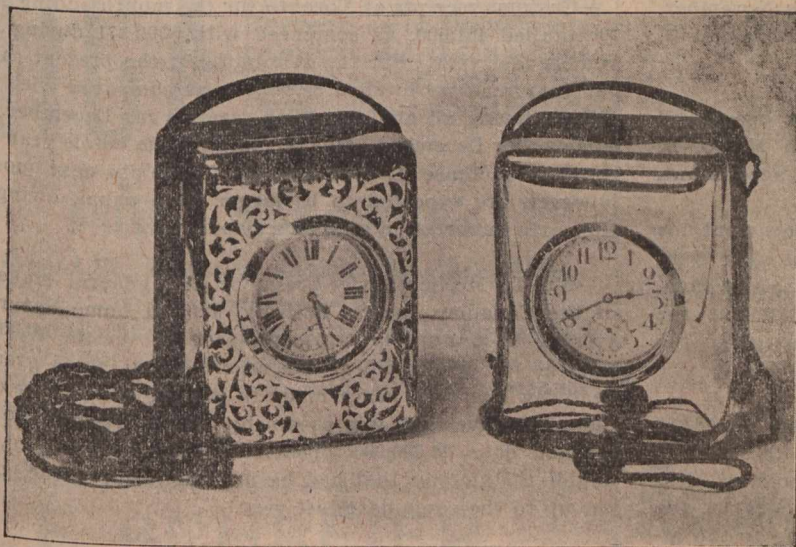
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Commercial Summary.

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 annual meeting of the Ontario Beekeepers' Association will be held at Barrie on the 16th, 17th and 18th inst.

A Brussels financial paper announces that the glass works of Courcelles have passed under the control of a Pittsburg, U.S., company.

British ports have been closed to cattle from the New England States, where the foot and mouth disease is widespread, and exportation from Boston and other points on the Atlantic has been prohibited.

The Rat Portage Lumber Company's yards and mill at Norman, near Rat Portage, Ont., were swept by fire. Twenty-five million feet of lumber, six steamers, including the Presbyterian missionary steamer Day Star, and eleven dwelling were destroyed.

The by-laws granting a loan of \$25,000 to the Goderich, Ont., Organ Company, and taking \$50,000 stock in the H. G. and B. Electric Railway was carried on the 28th ult., with little opposition. The organ factory will be rebuilt at once.

The Customs dues collected by the Treasury Department of the Montreal Custom-house on the 28th ult. created a record. The sum of \$188,800 was passed to the credit of the Customs account. The receipts for this season are already more than a million in excess of last season.

Dr. Haanel, superintendent of mines, has been informed that the new quartz mill, under Government auspices, at Dawson, has been set up, and is now in operation. The mill will be under the direction of Mr. Baudet, the Government mining engineer, and Mr. Burreaud as manager.

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LEICESTER, - - England.

*—The customs revenue for London, Ont., for November, 1902, was \$56,735.06. In November, 1901, it was \$49,981.63, the increase for 1902 being \$6,753.43.

—A branch of the Bank of Montreal was opened at Collingwood, Ont., on the 1st December, with Mr. C. E. Freer as manager and Mr. J. W. Hanning as accountant.

—The total payments by the Dominion Government for iron and steel bounties during the past fiscal year were \$791,089. The total claims presented by the seven companies producing iron and steel were \$947,361, but the balance, \$156,272, is withheld pending decisions as to the liability of the Government under the law.

—C. P. R. land sales for November, 1902, were 146,687.83 acres, for \$598,788; for November of 1901, 151,922.89 acres, for \$512,863 were sold. Although the acreage sold was less than for the corresponding month in 1901 by 5,235.06, the amount obtained was larger by \$85,925.08, owing to the increased value of the land.

—Members of the British Columbia Lumber and Shingle Manufacturers' Association, which comprises nearly every mill on the coast, have decided to advance the price of shingles 10 cents per thousand on April 1 next. The reason is that logs have gone up some 40 per cent. in price, wages 25 per cent., while insurance rates have been largely increased.

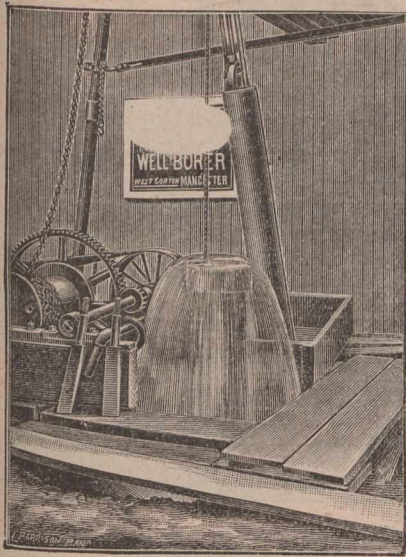
—The Dominion customs revenue for the five months ending 30th ult., amounted to \$15,058,746, an increase of \$1,763,069 over the same period of last year. For the month of November only, the increase was \$171,376. The figures in detail are as follows:—Five months, 1902-3, \$15,058,746; five months, 1901-2, \$13,295,676. Increase, \$1,763,069. November only, 1902-3, \$2,747,127; November only, 1901-2, \$2,575,751. Increase of \$171,376.

*—Customs receipts at Toronto for the month ending Nov. 30 totalled 461,000, as compared with \$399,371 during November last year. For the 11 months of the present calendar year receipts totalled \$5,922,000, as compared with \$5,507,259 during all of 1901. With receipts for December the same as for December, 1901, receipts for the whole year will show an increase of over \$900,000. Receipts next month, however, are expected to be larger than usual, owing to the early importation of spring goods.

—Mr. D. McNicoll, vice-president and general manager of the Canadian Pacific Railway, arrived home Saturday evening from a special trip of inspection over the Western lines as far as Winnipeg. He reported that much greater headway was now being made in getting the record crop out of the West, as was shown by the reports. Up to the present date 22,000,000 bushels had been marketed, or double the amount that had been brought out of the country up to the same date last year.

—During the eleven months of the present year there was an increase of over 50 per cent. in the value of building operations in Toronto, as compared with the same period last year. The total this year was \$3,647,158, and last year \$2,373,958. The operations for last month showed a falling off. The total was \$200,965, as compared with \$409,710 for November last year. The decrease was due largely to the fact that in November last year permits for three large buildings, aggregating nearly \$200,000, were issued.

—Arrangements have been made for a steamship service between New Carlisle, Que., the terminus of the Atlantic & Lake Superior Railway, and Gaspé Basin, during the months of December and January. This is in reality an experiment to demonstrate the practicability of winter navigation to the Baie des Chaleurs, and if it succeeds may



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result in Paspebiac becoming a national winter port. This, it is stated, would considerably shorten the journey between Canada and Liverpool, and would bring Paspebiac practically as near to Montreal as is St. John, N.B., by the C. P. R. short line, without the inconvenience of crossing through the United States.

—A German professor has finished his examination concerning the healthiness, or unhealthiness, of foodstuffs canned in tin. His examination lasted two years and is the most exhaustive ever undertaken. Vegetables, meats, and certain kinds of fruit, he said, may be canned in tin without the least detriment to the health of the consumer.

If people eating canned goods are poisoned, the goods are to blame, not the tin. At the same time it should be prohibited by law to can vegetables and fruits containing any degree of sourness. Vinegar, or wine, acid contained in tin becomes dangerous. Fruits, meats, and vegetables containing same should be put up in glass, porcelain, or wood.

—A London cable states that the St. James Gazette has the best authority in saying that the Marconi Wireless Telegraph Company has received no news from the inventor, confirming the statement of Mr. Henniker Heaton, M.P., that a Marconi message would soon reach King Edward from Lord Minto, Governor-General of Canada, as a preliminary to the inauguration of a service across the Atlantic. Lord Minto will probably be asked to open such a service, but the station at Cape Breton is not yet completed. The Marconi Company is not prepared at the present time to indicate the probable date when it will be ready, but it is fully expected that a service will be in operation before 1903. A new magnetic detector is now being tested with a view of increasing the speed of transmission. It is answering the purpose admirably. With the ordinary coherer, the guaranteed speed is only ten words a minute, although twenty words have been sent. According to the inventor,

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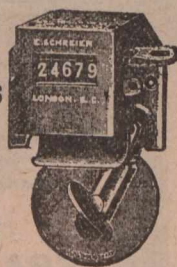
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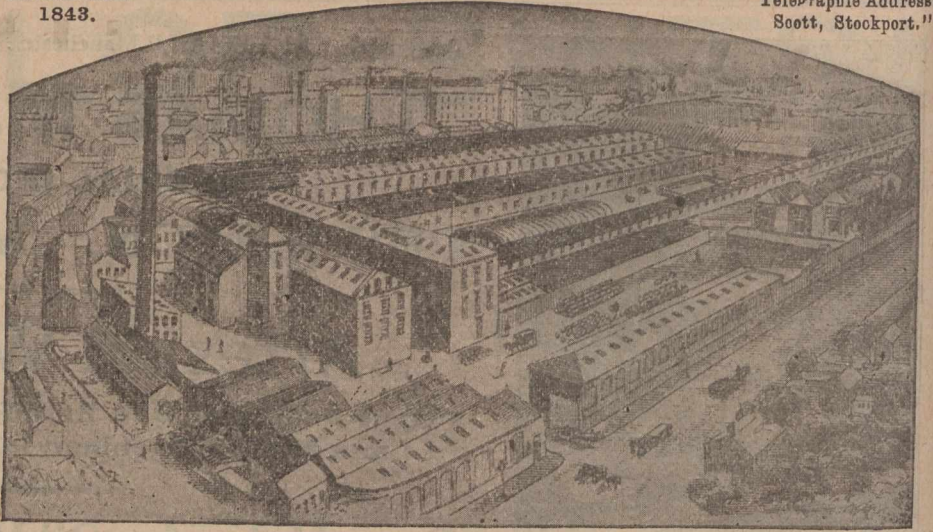
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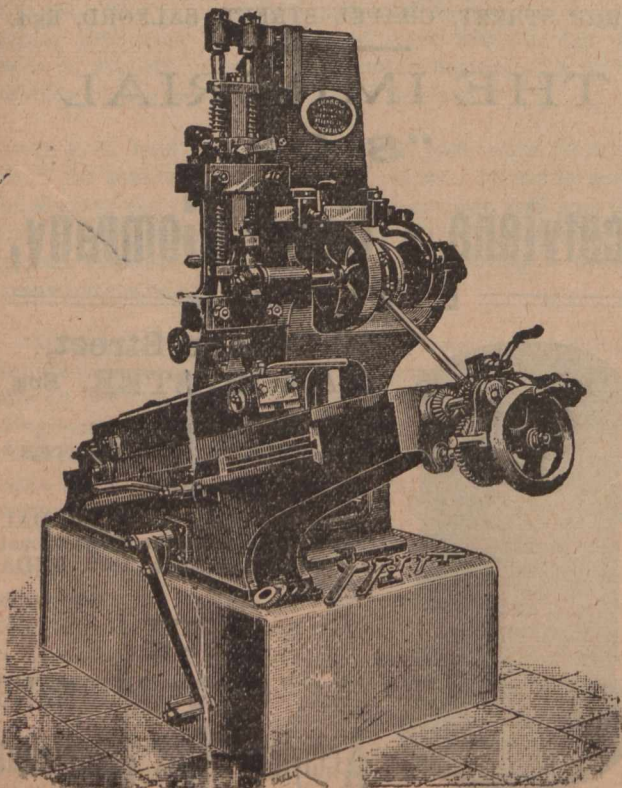
the magnetic detector will enable him to send forty words a minute with comparative ease, and he thinks there will be little difficulty in increasing it to sixty words a minute.

—A London cable of the 30th ult. states that the closing of British ports to animals exported from the New England States, on account of the prevalence there of the foot and mouth disease, taken in connection with the already high price of beef, has alarmed English consumers, who look forward to a dear Christmas market. Enquiries made at the Smithfield market, however, tend somewhat to modify these views. There is some mention of stock being available in Holland and Denmark, and even a possibility of some benefit accruing to the English raiser, but the question of the American supply is the only aspect of the situation that is seriously discussed.—The Dominion authorities are alive to the seriousness of the outbreak of the foot and mouth disease in the New England States. Orders have been issued by Dr. Rutherford, chief veterinary inspector of the Department of Agriculture, that all stock cars coming from the Eastern States shall be thoroughly

cleansed and disinfected before crossing the frontier into Canada. The officers of the department are strictly carrying out the new regulation.

—The McAlpine Tobacco Company and the Consumers' Tobacco Company, of Windsor, Ont., have amalgamated, and been incorporated under Ontario laws as the McAlpine Consumers' Tobacco Company, Limited, share capital \$500,000, and head offices at Toronto.—A company has been incorporated, consisting of J. W. Langmuir and H. C. Hammond, of Toronto; W. B. Rankine, of Niagara Falls, N.Y.; J. R. Smith, of Buffalo, and C. Crosby, of Pittsburg, under the name of "The Clifton Hotel Company, Limited," with a capital of \$500,000, and head offices at Niagara Falls, Ont. The company is authorized to carry on all the usual lines of business associated with a large hotel.—Other companies incorporated are: Dominion Phelps, Limited, capital \$250,000, as publishers.—The Canada Launch Co., of Toronto, capital \$40,000, to manufacture automobiles, launches, etc.—The National Petroleum Co., of Petrolia, Limited, capital \$40,000.—The Griffiths, Dixon Company, Limited, of Toronto, capital \$40,000, to deal in drugs, physicians' supplies, etc.—Littlejohn and Vaughan, Limited,

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of Toronto, capital \$40,000, to carry on business as lithographers, electrotypers, printers, etc.—The Brantford Screw Co., Limited, of Brantford, capital \$150,000.—The Hoodless Furniture Company, Limited, of Hamilton, capital \$40,000.—The Tower Canadian Oiled Clothing Company, Limited, of Toronto, capital \$100,000.—The Sarnia Dairy and Produce Company, Limited, capital \$5,000.—The Hurlbut Company, Limited, of Toronto, capital \$20,000.—The Niagara Falls Concentrating Company; The Dominion Read Lumber Company, Limited, and the Ogilvie Flour Mills Company, Ltd., all extra-provincial corporations, have been granted licenses to carry on business in Ontario.

—The annual nomination meeting of the Commercial Travellers' Association of Canada was held at Toronto on Saturday last, Mr. M. C. Ellis, president, in the chair. The following nominations were made:—President, M. C. Ellis, H. Bedlington; first vice-president, Thomas McQuillan, S. M. Stirling; second vice-president, A. F. Hatch, H. Goodman; treasurer, J. C. Black, who was declared elected by acclamation. Directors for Toronto Board.—John Billingham, J. B. Baxter, T. F. Corey, Lytle Duncan, John Gibson, P. M. Goff, L. A. Howard, George Haslam, Robert Keyes, John H. Kenney, Malcolm Lamont, C. Ryan, W. H. Scott, C. J. Tuthill, Joseph Taylor, George West, H. L. Willmott, H. T. White (nine to be elected.) Hamilton Board.—First Vice-President, James Hooper (accl.); Second Vice-President, Fred T. Smye (accl.) Directors, R. Coleman, E. J. Fenwick, J. H. Herring, G. Matheson, John Madill, R. M. Moncur, G. M. McGregor, E. Mc-

Coy, W. G. Reid, J. Stoneman, H. G. Wright (six to be elected). Berlin Board—A. Foster, J. Knauff, Edward Marlin (two to be elected). The following boards were elected by acclamation:—Guelph Board—Vice-President, C. Auld; Director, A. Hill. Brantford Board—Directors, J. S. Hamilton, D. J. Waterous. Montreal Board—Vice-President, S. C. Shorey; Directors, E. E. Starr, William Cauldwell. Kingston Board—Directors, W. H. Graham, W. S. R. Murch. Winnipeg Board—Vice-President, G. F. Galt; Directors, H. Miller, W. M. Jackman. Victoria Board—Directors, A. C. Flumerfelt, R. Martin. The following were elected scrutineers of the ballot: J. H. Devaney, George A. Henderson, William Ryan. The ballot will close on December 25th at noon. The annual meeting will be held in St. George's

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Hall on Friday, 26th instant, when the result of the ballot will be declared.

—Mr. F. S. Dennis, who has charge of the C. P. R. irrigation works, has prepared a plan for a system of irrigation for the North-West, which has been submitted to the president. There are large areas of land belonging to the Canadian Pacific Railway in the North-West, and especially in Southern Alberta, which only require the construction of irrigation canals to change them from unoccupied districts into thriving farms and villages. There is, it is stated, a district containing over two and a half million acres lying east of Calgary, which is now traversed by the main line of the Canadian Pacific Railway, and which the company propose to irrigate by water taken from the Bow River, near Calgary; its completion will mark a great advance in the development of Southern Alberta, and of large areas lying contiguous to the main line of the Canadian Pacific Railway. This will be only the beginning, for there are also millions of acres in Western Assiniboia, generally spoken of as the great ranching district, in which the rainfall during the majority of years is insufficient to bring crops to maturity. If these districts are to keep

pace with and share in the wonderful development now taking place in the eastern and northern portion of the Territories, irrigation must be resorted to. "In my former position of Acting Deputy Minister of Public Works," said Mr. Dennis, "I made a general survey, with a result that 490 miles of canals were constructed, that are now capable of supplying water for the irrigation of \$15,000 acres. Then, again, the North-West Irrigation Company has worked a wonderful transformation by the construction of their large canals, for already there are four thriving villages in a district that a year ago was deserted, and this year it required some forty self-binders to harvest the crop grown in the district."

—Referring to the Peace River region of the North-West, Prof. John Macoun states that the region is capable of immense development. "There is in it," he says "the very best of alluvial soil to a great depth, and to-day all the different grains are being grown. Some people imagine that the farther north you go on this continent the heavi-

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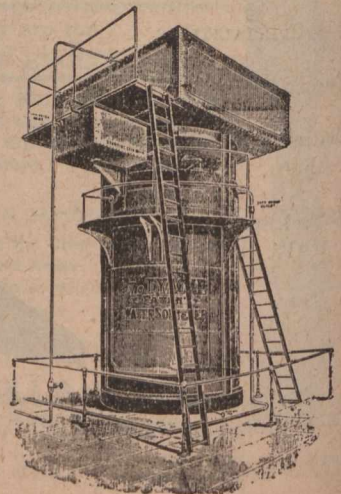
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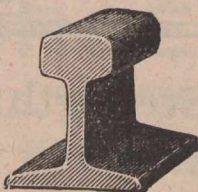
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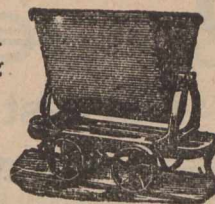


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er the snowfall. But I can state from experience that throughout a large part of the northern country the snowfall is lighter than here in Ottawa. Mr. Ogilvie brought down with him a few years ago wheat that had been grown at Fort Providence, up toward the arctic circle, 800 miles north of the line that separates us from the United States. I myself saw at Isle a la Crosse, farther east than the Peace River, potatoes growing in the fields on the 22nd of September. That was 30 years ago. In 1875 I brought down with me from Athabaska wheat that took the prize at the Centennial Exhibition in Philadelphia, and proved a revelation to the world. There is no question but wheat can be grown all the way across this northern belt to James Bay. I am just now preparing my report on my summer's work in the Yukon, and will supply proof that from the flora I say there wheat can be grown even in that region. For that matter, I brought some down with me this fall. I have taken for many years an intense interest in this northern belt of the Dominion, and am satisfied that it has before it a great future as an agricultural and grazing country. Where you cannot raise wheat you can get even more money out of other crops or out of cattle-raising."

—The continued decline in the price of silver, says a London letter, causes considerable comment in financial circles. According to the best informed houses it is regarded as being directly due to China's flooding the market with silver in payment of the indemnity to the powers. Prior to the recent disturbances China was a large purchaser of silver in London, but now the balance of trade is reversed, and instead of China taking silver in return for tea, silk, and other articles imported into the United

Kingdom she has to ship silver in payment of manufactured articles. This alone, without the large indemnity disbursements, is considered sufficient to account for the depreciation in the value of the metal. It is pointed out that even if China paid the indemnity in gold the result would be the same, because she would have to send the same quantity of silver to Europe in order to buy gold. The Chinese contention that China should pay the indemnity at the higher rate of exchange in force when the recent peace treaty was signed finds some support among the leading English houses, who are not only alarmed at the prevailing condition on account of their Far Eastern trade, but also on account of their commerce with India.

—The secretary of the U. S. Treasury transmitted to Congress the estimates of the appropriations required for the Government service for the fiscal year ending June 30, 1904, as furnished by the heads of the several executive departments. The total appropriations asked for are \$589,189,112, which is \$21,638,576 less than the estimates for 1903, and \$33,050,014 less than the appropriations for that year. Following is a recapitulation of the estimates by department: Legislative, \$11,508,483; executive, \$319,500; State department, \$2,676,825; Treasury department, \$172,313,526; War department, \$130,986,605; Navy department, \$84,725,798; Interior department, \$163,018,616; Post Office department, \$10,363,486; Department of Agriculture, \$5,660,150; Department of Labor, \$184,220; Department of Justice, \$7,431,900; Grand total, \$589,179,112.

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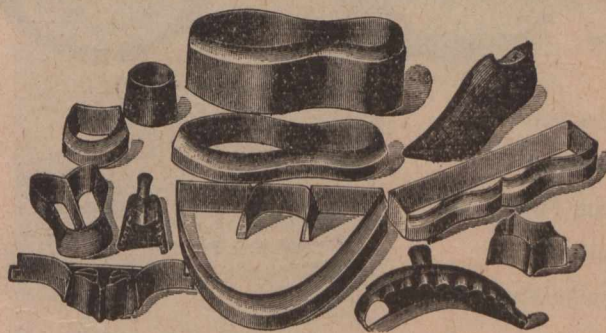
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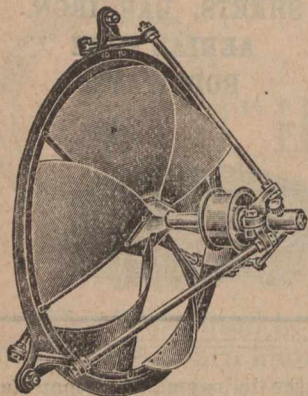
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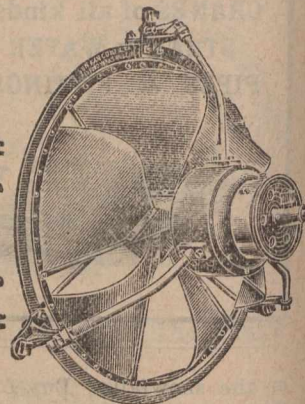
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40a Thornton Road. BRADFORD, ENG.

—Negotiations have been completed, says the Globe, for the absorption of the Aid Savings & Loan Company, which has for the past nine years conducted a business in Toronto, by the Standard Loan Company. The last statement of the first-named company showed assets over one hundred thousand dollars, and it has paid a dividend of 6 per cent. upon its terminating stock, an 5 per cent. upon its permanent shares. The president of the company is Mr. R. S. Williams, and there are several well-known Toronto men on its directorate. The absorbing company is younger

than the one it has taken in, but under the management of Mr. W. S. Dinnick it has made satisfactory progress. The combined assets of the companies will equal about eight hundred thousand dollars.

—Mr. O. R. Rowley, accountant of the Bank of British North America at Halifax, has been appointed inspector of branch returns, and leaves Halifax for Montreal. Mr. Rowley, says a Halifax letter, came here from the New York agency of the bank about two years ago, and is favorably known in business and social circles. He is a lieutenant in the 66th Prince Louise Fusiliers, and vestryman of St. Luke's Anglican Cathedral. His departure is regretted by a large circle of friends in Halifax.

—The Official Postal Guide for November, issued on Saturday last, contains notice that parcels may now be exchanged between Canada and the Japanese post offices in Corea and China at the same rates and under the same

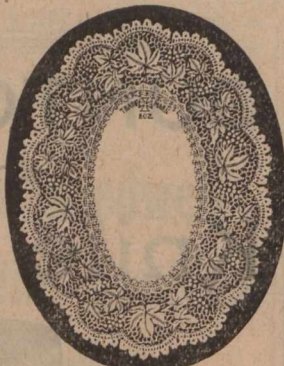
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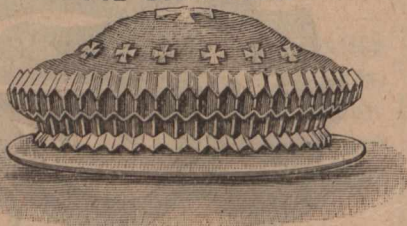
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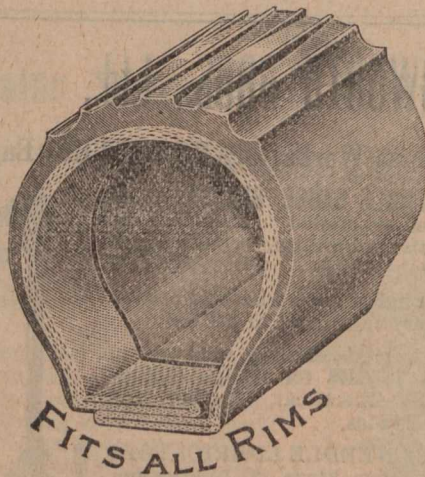
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Made in London from British Materials by British Workpeople Only.

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FITS ALL RIMS

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.

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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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GOLD MEDAL

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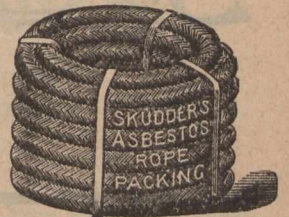
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Patent Improved Non-Conducting Compound, for covering Boilers, Steam Pipes, and all super-heated surfaces. For the Prevention of Freezing in Cold Water Pipes our Compound has no equal.

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

conditions as apply to parcels exchanged between Canada and Japan. The places in Corea at which Japanese post offices have been established are: Chemulpo, Chinnampo, Fusan, Gensan, Kunsan, Masan, Mokpo, Pingyang, Seoul and Sungchin. Japanese post offices have been established in China at Shanghai, Tiensin, Chefoo, Hangchow, Shashe, Amoy, Hankow, Peking, Foochow, Nanking and Newchwang. Parcels for these places should be forwarded to Vancouver for inclusion in the parcel mail for Japan.

—The Live Stock Commissioner, Mr. F. W. Hodson, is preparing a school for giving practical instruction in agriculture and botany to the school children. It is intended to offer prizes at the county township and district fairs next year to be competed for by scholars at the public schools. These prizes will be given for the best sets of plants, flowers, cereals and woods, properly mounted and ticketed. Prizes will also be offered for the best essays on these subjects. In pursuance of this policy Dr. Fletcher, Dominion Entomologist, will deliver a series of lectures in Ontario County in January on the best methods of mounting plants, cereals, etc.

—The Alberta Railway & Coal Company is applying to Parliament for power to acquire or lease the St. Mary's River Railway.—An act to incorporate the Dominion Institute of Amalgamated Engineers will be sought for at

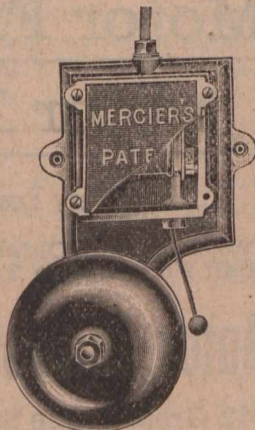
the coming session of Parliament.—Parliament will be asked to incorporate the Coast-Yukon Railway Company, to construct and operate a railway from Kitimat Inlet, Douglas Channel, via Atlin Lake, the Yukon River and Dawson City, to the international boundary.—The Kingston & Pembroke Railway Company is applying to Parliament for an extension of the time in which the line and its branches are to be completed.

Rumor has it that a beet sugar factory will be established in the near future at Whitby, Ont. The industry, we are informed, is being promoted by the Board of Trade of that town, and the company has been financed by Mr. Howard Annes, a well-known resident of Whitby, who has made several trips to New York in connection with the launching of the enterprise. Several members of the Board of Trade and a number of other gentlemen interested in the company will visit the plant at Berlin to see the operation of that factory.

—Pittsburg, Pa., advices state that the Merger of the Sharon Steel Company and the United Steel Company became operative on the 1st instant. The new combination will start with a capital of \$40,000,000. It will be known as the Union Steel Company. Through the absorption of the Sharon Company many of the offices now at Sharon will be brought to Pittsburg, where it is expected the general

Watertight Electric Bells,

FOR MINES, RAILWAYS, HOTELS, STABLES, AND ALL PURPOSES.



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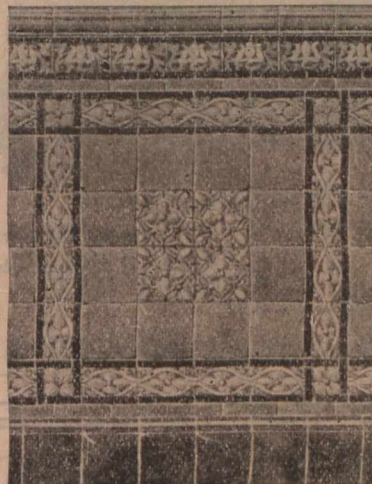
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Special Tool Steel for High Speeds,

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MINING TOOL STEEL.

Best CRUCIBLE Cast Steel FILES.

Cambria Works, SHEFFIELD, England.

offices will be located. The sales, purchasing, traffic and part of the auditing departments will be concentrated at that point.

—A new bank is to be established in the West. Arrangements have been completed, says a Winnipeg letter, for the organization of a chartered bank with head office at Winnipeg, and branches throughout Manitoba and the Territories. The name is to be the North-west Bank of Canada, with a capital of one million dollars. The Board of Directors will comprise prominent business men of the west, and it is expected the bank will be ready for business in May next.

—In the Manitoba Gazette notice is given that application will be made at the next session of the Legislature for an act to incorporate a company with power to construct, maintain and operate a railway and telegraph commencing at Portage la Prairie and running in a southwest-

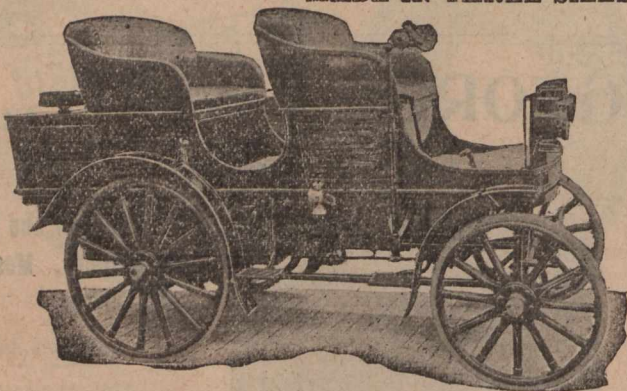
erly direction to a point at or near Belmont Station, on the Morris-Brandon branch of the Canadian Northern Railway, and also for a line beginning at Portage la Prairie and running westerly to Brandon.

—Mr. Keeley, Superintendent of the Government Cable and Telegraph Service, states that, with the completion of the cable between the Magdalen Islands and Anticosti, the gulf system is now complete. The 92 miles of cable between Bryon Island and Anticosti were laid in 27 hours, which Mr. Keeley considered good work. The steamship employed was the Tyrian, which was bought last spring by the Government.

—Samples were received by the Bureau of Mines recently of copper pyrites ore just discovered near Bancroft, Ont., in north Hastings. This is a new region for copper in Ontario, although some prospecting was once done for a company which proposed to operate the Ardoch, about 20 miles northeast of Bancroft. The samples received are pronounced to be of a high standard.

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



FOUR-SEATED Double Phaeton,

TWO-SEATED
with removable third seat,
for doctors' use.

LIGHT VANS
To carry up to one ton.

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Motors,
Motor Accessor-
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Of Every Possible Description.

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Special Terms to Canadian Buyers.

EDGAR ALLEN & CO., LTD.,
Imperial Steel Works,
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SOLE MANUFACTURERS OF

CIRCULAR SAWS,

Of Superior Quality for cutting either Wood or Cold Iron and Steel or Hot Iron and Steel. We invite special attention to our "COLD SAWS." Steel Castings of every description

Allen's  **Dynamo and Motor Castings.**

Turner's Patent Iron Fibred Steel.
 Miners' Drill Steel. BEST TOOL STEEL and FILES.

—The results of the sugar beet tests carried on under Government supervision this year show excellent results, considering the unfavorable season. The percentage of purity of the sugar is higher than the experiments of either of the two previous years showed. The following are the results under the principal heads:—

	P. C. sugar.	Yield tons per acre.
Markham	15.4	17.
Brantford	14.3	16.6
Brussels	14.5	14.2
Guelph	15.1	16.2
St. Catharines	14.6	16.7
Orangeville	14.9	14.2
	P. C. sugar.	Purity.
Average 1902 exps.	15.0	88.1
Average 1901 exps.	15.3	87.5
Average 1900 exps.	13.4	85.4

The experiments were carried on this year, as previously, by a number of farmers at each point, under the frequent inspection of Prof. Harcourt of the Ontario Agricultural College. The results are believed by the Department of Agriculture to show even more conclusively that Ontario has many districts where the soil and climate are suited to the growth of sugar beets.

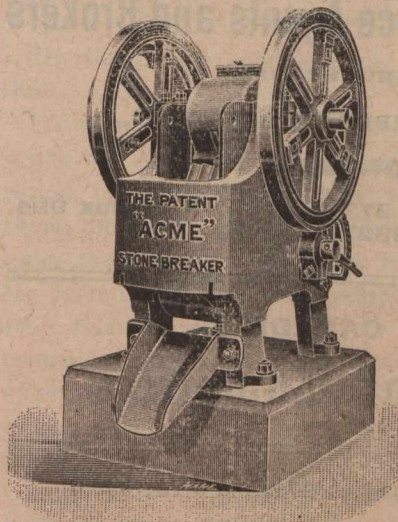
—Life Pointers from the Press.—When a policyholder is proud of exhibiting his policy you may rest sure his premiums are paid to date.—Put your life policies under your pillow every night on retiring. The knowledge of their contents and outcome will not keep you awake.—A life insurance policy between your family and the poorhouse over the hill will prevent them from ever getting there. See that you provide the barrier.—Your widow will not have to marry for a home if you leave her some life insurance.—You will live longer if insured. Care for the future of your family will not annoy years from your life. Isn't it worth all it will cost?—You can look at your life policies in force and say "With these in store I'll do my best, and trust the Lord to do the rest."—If it is a sacrifice for you to pay for life insurance, it is a useful one, and when you make a useful sacrifice you can dispense with useless ones.—So you think your neighbor across the way who died last week was "a wise man because he left his family protected by life insurance." It would interest us to know if you are as wise, for you must die when your time comes. Nothing more certain—except your duty to insure.

—During the fiscal year ending June 30, 883 samples of foods, drugs and fertilizers were analyzed by Government officers. Of this number 728 were found to be genuine, while 81 were adulterated and 74 doubtful. Fifty-nine samples of tea and twelve samples of cheese were examined and pronounced genuine. Out of 59 samples of coffee no less than 24 are put down as adulterated, and one as doubt-

ful. Three hundred and fifty-eight milk samples were tested, 33 being adulterated and 36 doubtful. Only one sample of cocoa and chocolate was found to be adulterated out of sixteen tested. The following is a table of the work done by the Toronto analyst:—

Samples.	Adulter-			Total.
	Genuine.	ated.	Doubtful.	
Tea	8	0	0	8
Milk for preservatives	23	1	0	24
Milk for ordinary constitu-				
ents	12	12	2	26
Drugs, etc., for arsenic	31	3	2	36
Coffee	5	3	0	8
Fertilizers	5	0	5	10
Total	84	19	9	112

Telegrams :—GOODWIN, IRONFOUNDER, LEICESTER.
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The Patent "ACME" (Reg.)

Stone Breaker

Portable and Stationary.
 The Best Machine for all purposes.

Goodwin, Barsby & Co.
 ENGINEERS,
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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, - - - - - 14,930,000
[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.
J. HUTTON BALFOUR, Secretary.

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.,
271 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.

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ESTABLISHED 1865.

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Private Office, " 2822.

THE CANADIAN
Journal of Commerce.

MONTREAL, FRIDAY, DECEMBER 5TH, 1902.

THE PRESIDENT'S MESSAGE.

"That great man—President Roosevelt," as the Hon. Mr. Chamberlain described him—read a message to Congress, or rather, the people of the United States, on the 2nd instant, a date for ever memorable as the birthday of the second French Empire, when another "great man" crushed a Republic to make himself an Emperor.

Mr. Roosevelt seems to be given to philosophical reflections of a politico-social character, which are found in each section of his message. These, though not original, or at all profound, are at least full of common sense

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.
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A Good Position Open.

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

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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.

and a recognition of conditions that are easily railed at, but impossible to remove. Thus, he admits that, "a requisite of social efficiency is the power to act in combination, for aims which cannot well be achieved by the individual acting alone." This covers the case of "Trusts," and of "Trade Unions." Having justified the latter by a formula which cannot be censured, he turns to the former combinations with expressions of both approval and of menace, the approval being based on theories, while the menace seems to be of a more practical nature.

Insurance.

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

Established in 1783. Canadian Branch
Established in 1864.

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City Agents:
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Caledonian... INSURANCE CO.

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R. WILSON-SMITH
FINANCIAL AGENT.

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

STANDARD LIFE CHAMBERS,
151 ST. JAMES STREET, MONTREAL.

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.

With the natural confusion of thought caused by a desire to please the populace by condemning trusts, whose existence he had, a moment before, declared to be "a fundamental requisite of social efficiency," the President proceeds to identify all trusts with the abuses of some of them, which show Mr. Roosevelt's greatness not to be as a logician. One very mysterious utterance reads:

"A fundamental base of civilization is the inviolability of property, but this is in nowise inconsistent with the right of society to regulate the exercise of the artificial powers which it confers upon the owners of property, under the name of Corporate Franchises, in such a way as to prevent the misuse of these powers. Corporations, and especially combinations of corporations, should be managed under public regulation. Experience has shown that under our system of government the necessary supervision cannot be obtained by state action. It must, therefore, be achieved by national action."

If Mr. Roosevelt knows how to exercise supervision over corporations without "state action," he has a monopoly of such knowledge. To us it is inconceivable how a trust can be supervised by "national action" without the aid of legislation, and legislation implies necessarily "state action," for laws to be valid must emanate from legislative bodies that are empowered by the state to pass laws. There is too much "mob law" in the United States, but the President is not the man to invoke this against the combinations of capital called "trusts." It is clear, however, that he has not fully grasped the fact, that all law, in the true sense, arises from "state action" having become crystallized into a statute. He dismisses the trust question by intimating his desire to have the constitution amended so as to secure power to regulate

trusts. But not a hint does Mr. Roosevelt give as to the restraints he desires to see placed upon these organizations, so his generalities are not at all helpful in the solution of the trust problem.

When treating the tariff question the President deprecates fitful changes as he regards it wiser, "to bear the ill we have than fly to others we know not of," as quick and radical changes upset business, which we have heard said at Ottawa. He favours reciprocity treaties being ratified, or executed, or secured, failing which he suggests "a lowering of duties on a given product." The only product he names is anthracite coal, which he desires to have put on the free list, as, "in a time of crisis it might be of service to the people."

The President shirks the financial problem which is now agitating the United States. He says the existing system is the growth of a century, so, like the sentimentalist who says, "Woodman, spare that tree, touch not a single bough, in youth it sheltered me, and I'll protect it now," he deprecates the wretched, mischievous, inadequate currency system of the States being interfered with to any extent.

The labour and capital problem he talked about in generalities which are "somewhat musty." His judgment was thus stated:

"Organized capital and organized labour alike should remember that in the long run the interest of each must be brought into harmony with the interests of the general public, and the conduct of each must conform to the fundamental rules of obedience to the law of individual freedom, and of justice and fair dealing toward all."

One expected more definite ideas from a "great man," but an American President has to please both parties, and if he has any decided views he must sing:

"How happy could I be with either,
Were t'other dear charmer away!"

He then, with commendable frankness, announces that:

"A convention with Great Britain has been concluded, which will be at once laid before the Senate for ratification, providing for reciprocal trade arrangements between the United States and Newfoundland on substantially the lines of convention formerly negotiated by the Secretary of State, Mr. Blaine. I believe reciprocal trade relations will be greatly to the advantage of both countries." This news is not good news for Canada, and ought to inspire some action by the Federal Government to counteract the mischief that is likely to be done by this arrangement to Canadian interests.

After expressing sanguine hopes of good resulting from the "international tribunal which sits at the Hague," the President turned to the Isthmian Canal, which he thinks, "will be of great benefit to America and of importance to the world." He considers that the canal will improve the military position of the United States, which undoubtedly is "of importance to the world," as it may develop conditions of which other nations may not approve.

The important announcement was made, that a Pacific cable would be laid to be wholly under American control, extending to the Philippines and China, in connection with which the President declared, that civil government was now established in the Philippines which gave the people "a measure of self-government greater than that granted to any other Orientals by any foreign power and greater than that enjoyed by any

other Orientals under their own Governments save the Japanese alone. We have not gone too far in granting these rights of liberty and self-government; but we have certainly gone to the limit, that, in the interests of the Philippine people themselves, it was wise or just to go."

We have no desire to be captious or hypercritical, but news from the Philippines of local revolts occurring shows that, "the rights to life, liberty and pursuit of happiness" include, in the opinion of Filipinos, the right to pursue happiness by attacking the American authorities.

Mr. Roosevelt desires his country to have a strong navy in order to back up the Monroe doctrine, which, he says, "is the cardinal feature of American foreign policy." Much might be said about this, but our space is nearly exhausted. Much, too, is suggested by the President's allusions to other topics.

On the whole the message is above the average of such deliverances in style, and in its freedom from gasconade, swagger and covert slaps at other powers, which they always laugh at as being mere rant directed to the gallery. America is prosperous beyond precedent, so is Canada, both nations are wise in pursuing their own course politically and fiscally without worrying about each other.

THE PRICE OF SILVER.

The drop in the price of silver to the record minimum of about 45 cents an ounce comes as a timely and practical comment upon the financial theories of the Bryanites in the neighbouring republic only a few years ago. The reduced value seriously affects China, India and Spanish America and more or less all those who have business with these countries. We may include also in a small way all those in rural districts of thrifty populations, like those of the Province of Quebec and the gardeners among them. Well-to-do families on both sides of the Atlantic who have long been treasuring their inherited "old plate" have, however, the comforting reflection that the value of solid silver ware is not altogether determined by its weight or the price per ounce, but rather by the artistic shape and finish of the vessels, resembling somewhat in this respect the bank stock, which, though fluctuating up and down on 'Change, maintains irrespectively its value as a dividend-paying investment. We do not, therefore, quite agree with the Spectator of London, which, in a recent issue, bewails "the direct loss of property to the well-to-do throughout the West," which, it says, must be equal to the injury done by a considerable financial disaster. Those who possess well-finished old plate need fear but little the price per ounce; they can, if inclined to sell, find purchasers for it with little difficulty at good figures, as there has been a growing demand for it of late years on this continent.

Silver, as its derivatives imply—in Latin and even in Gaelic (Celtic) or Erse (Irish), was formerly always money, a character which by force of custom in the judgment of a great majority of its holders it continues to retain. It may be no longer a "measure of value," but it is a very handy measure all the same, and it were to be regretted that people should be obliged to carry double the present weight in change about with them—if the "stamp" were not to be reckoned. "The amount of the metal in private hands has always been very large." The writer in the Spectator mentions that a

great financier once told him "that he could name twenty houses in England in each of which the stored silver would weigh five thousand ounces, and that amount, he added, is a trifle compared to the aggregate of the smaller holdings of the metal in those houses' near vicinity. The enormous drop in value, a fall of nearly two-thirds in less than thirty years, ought to have been as severely felt as a great industrial catastrophe. Yet it has not been. There has been alarm, and consequently discussion; but commerce has gone on apparently but little affected; the currencies have got themselves adjusted, even in India, where from the large remittances to England the operation was specially difficult; and as for the owners of silver property, they have accepted, and, we may say, forgotten, their losses. They made no noise, they never petitioned their Governments for Protection, they did not even contribute much to the currency discussion, but silently put up with their losses as if they had been caused by the operation of some law of Nature. The truth is that, except in a few countries making large cash remittances against gold, the danger was exaggerated by the currency mongers, who forgot the self-adjusting power of internal commerce, which caused the loss to represent itself in a slow increase of prices; and that as regards the stores of the metal their value was, in part at least, imaginary. People talked nonsense about the value of their plate closets. Nobody not a dealer had a store of silver bearing a serious proportion to his fortune. Very few houses possessed more than a thousand ounces, worth as mere metal at the old price only \$1,000, and even the great owners had at most two thousand pounds locked up in the falling article. A much smaller change in the price of wheat was of far more importance to their fortunes.

We do not believe that even a greater fall will in any notable degree imperil either finance or trade. The latter will adjust itself at once; and as to the former, the Governments affected will avail themselves of the increasing supplies of gold to make that metal the sole ultimate standard of value. The owners of silver property [ordinary makes] will be a little more inclined to continue owning it, as it is comparatively worthless to sell, and commerce, which regards silver as merely an article, will adjust the price of everything that has to be paid for in it. That the price of the metal will fall there is little doubt, the conviction prevalent a short time ago, when the price was 60c an ounce, that it had "touched bottom" being obviously without foundation. The supply has increased, and increased in the teeth of the fall, till it is fourfold the supply in 1875; and as American and European enterprise turns its regard toward the boundless resources of South America it will increase still further. The Spaniards have not fully exploited their own buried treasures; but keener men are now "prospecting" diligently in the huge mountain systems of the vast continent. There is much talk of the cost of extraction; but the old and very rude processes are being gradually superseded, and the increased proportion of wages to output is being met by a reduction in the necessary number of outputters. The demand for cheap silver in the arts will hardly catch up the supply, being limited by the excessive liability of the metal to become oxidized, a process which not only wastes it, but spoils its look, and it is quite possible that by 1925 the normal price of silver may be a shilling an ounce. The world will survive even that. Many Governments using gold will be fretted by the difference between the value of

silver as a mine product and its value as token coin, and the consequent increase in the temptation to forgery; but they will meet that either by stricter precaution or by increasing the weight of their token coinage, and all will go on very much as before. Silver is only an article of merchandise, and has no mystical property which should exempt it from the ordinary laws of commerce. Of course States receiving revenue in silver and compelled to pay large sums in gold must reconsider their taxation; but that process, which used to be so formidable, has become easier, partly through the increased submissiveness of taxpayers, and partly through modes of taxation at once wiser and more searching."

ENGLISH SHOES.

The close copying of English styles and shapes by shoe factories in the United States as well as in Canada, especially that known as the "Bull-dog" toe, during recent years, and which appears to have been the base from which many popular lasts have been since built, has set some manufacturers in England, notably the large makers in Leicester, considering whether they should not supply the trade throughout Canada at first hand. The differential tariff favours the notion. There is no doubt that English made shoes wear longer, despite the sharp metal roads, and the fondness for walking as an exercise in that country; but as we are being gradually converted to the belief in macadam, we must look for more durable footwear in Canada also. We buy shoes from our republican neighbours, but their products are still more frail than our own, being chiefly affected by the ladies who formerly bought of French makes, some of which are yet seen in a few shops or stores of our larger cities.

The fitting of boots and shoes by machinery has been brought to a degree approaching perfection, so much so that chiropodists complain of serious falling off in their receipts; but strength and good wearing qualities are yet needed. The city man must yet pay from \$5 to \$6 and even \$7.50 per pair, with boots still higher, and the man who occasionally buys in country stores (shops) when caught in a spell of weather, is made to feelingly realize the situation. General storekeepers throughout the Dominion handle boots and shoes as well as dry goods (including cottons, woollens, linens, silks, hosiery, gloves, etc.), groceries, hats and furs, provisions and nearly all else noted weekly in our Prices Current, except pig iron, grain, leather, etc. There are of these upwards of 4 to 5 thousands, besides those who in the cities make a specialty of boots and shoes, whose business of late years has been seriously curtailed by the growth of the departmental stores, which handle everything from a beef-steak to a bedstead, from a roll of carpet to a cooking-range. Local makers have complained of late years that they can no longer compete on equal ground with manufacturers in cities like Quebec, where labour is much cheaper than in Montreal, and the trade in Toronto and Hamilton have learnt the truth to their cost.

The revolution which began in the boot and shoe trade in the United States some years ago (about the '80's and '90's) invaded Canada also. The result has been greater economy in manufacture, and the almost total elimination of the custom boot and shoe maker; but royalties and combines among manufacturers of machinery, with gradual rise in wages, have made considerable inroads on profits, until the time is ripe again for clamour about more protection, which, however, is not

likely to be granted, the feeling now being that the industries have grown up and attained sufficient strength to throw away their crutches and make headway alone—or, die, as so many have already done. It may therefore be worth while for those who handle boots and shoes throughout Canada to inquire across the ocean instead of at Rochester (N.Y.), or Lynn (Mass.), concerning the needs of such of their customers as require something different from the domestic article. A large quantity of Canadian leather finds a ready and growing market in Great Britain. The boots and shoes made from that leather at the great centre of the trade, Leicester—see other columns—should be worth a trial; labour being cheaper as well as most of the findings, the manufactured article should be able to secure a profitable share of the market.

As imitation is the sincerest form of flattery, the mere fact of English boots and shoes being copied as persistently by U. S. manufacturers would seem like a strong incentive toward the pushing of English boots and shoes in Canada. English styles are not copied because they are foreign, because they are from the acknowledged centre of the manufacturing industries of the world, because they are from a point far removed, but because there is that about them which, combining durability with elegance, makes them sell. With these facts before us, we have arrived at the point which requires only proper introduction of these goods, with United States push rather than United States products, in order that such varieties, etc., as are not turned out by home makers may be more advantageously bought in England.

Any prejudice that may be harboured by an occasional individual in Canada, in favour of a United States boot, has not that strong hold on the wearer which might be created through conditions other than those of mere preference, born of the most trivial distinction. It has rather come about through the eloquence of the retailer, who, handling U. S. boots and shoes, naturally grows eloquent on everything made under the starry banner. To show how this prejudice exists, even within the confines of the United States, a Chicago retail shoe dealer can scarce be induced to handle a ladies' fine shoe if made west of Lake Michigan. No, he wants Eastern shoes for his high class trade. But the prejudice is being steadily overcome as western manufacturers are gradually working into the finer finishes and styles.

The sale of English boot and shoe machinery in Canada should go forward by bounds with proper introduction, for the very fact of a retailer's being able to state that his stock of boots was built by English machinery, and therefore guaranteed to be reliable and honest in construction and wear, would be a big point in favouring his sales. Instead of a royalty being exacted by U. S. makers, we understand that they control the wire used in the machines, thus the Canadian manufacturers are obliged to buy from them, unless they can find some means of emancipating themselves from this system.

There is something so closely allied to stability and endurance about British made goods and machinery, so fully recognized by all classes in Canada, that one-half the persistence shown by our people across the water in the further sale of their manufactures here, as is so notably displayed by manufacturers in the U. S., would lead to an amount of business between Canada and Great Britain, in such lines as those referred to, as would be highly pleasing and prosperous to both.

CANADA'S CHEESE EXPORTS.

The Gazette has prepared its usual season's report of the exports of Canadian cheese and butter, which, for the season just closed, shows most gratifying results, both as to volume of shipments and values both here and at point of destination. Further pleasing features of our growing exports of dairy products are, that all indications point to a continuance, at least for next season, of the comparatively high prices now ruling, particularly of cheese; and the good results which must continue to accrue from the indefatigable efforts of the Canadian Government officials to make all producers of butter and cheese well posted in the art of making choicest quality and properly caring for them until shipped. Such united efforts will gain for the Dominion that firm hold on the markets of Great Britain for general products which our cheese has already so well secured.

The season of 1902 has been a record one in cheese, but three particulars stand out prominently, the increase of over 15 per cent. in the aggregate volume of exports, the fact that this increased output did not lower prices, as farmers realized on the average \$1.50 per box more this season than last, and the marked improvement in quality compared with recent years. These influences has resulted in one of the most successful years in the history of the trade, for not only have the farmers made big profits, but the middlemen also have come out well, which, despite opinion to the contrary, is not by any means frequent. Since the opening of navigation there have been exported from Montreal 2,109,171 boxes of cheese, which have returned to the Canadian producer in round figures about \$17,927,000, an increase of \$5,400,000 over the returns of the previous season. Three factors were operative in creating and maintaining the high average price: First, the fact that the season opened with the markets bare of old cheese; second, the remarkably high average quality of the cheese, and, thirdly the increased consumption kept up throughout the season, despite the higher prices. May opened with the price for new cheese at the highest figure in a number of years, due to the fact that stocks in England had never been as light, for at the end of that month there were only 6,000 boxes stored in the great stores of the Commercial Road Depot in London, where as many as 265,000 boxes have been held at one time. This unusual condition of affairs, and the fact that there was an exceptionally cold spring in England, curtailing the domestic output by about a month's production, together with the decrease in the United States exports, early created the belief in higher prices, which has been so fully warranted by the course of the season. Well into July the imports into Britain were absorbed almost as fast as they arrived, with little or no accumulation of stocks, which naturally made for steadiness. In fact, before the end of June it became evident that English buyers would have to depend almost exclusively on Canada for their supplies from this side, as there had been a decrease up to that period of over 50 per cent. in the exports from New York. The great bulk of the cheese produced in Northern New York also which formerly came to Montreal, is now being shipped to Chicago and the Western States, and large quantities of Wisconsin cheese, which formerly found a market here are now required for consumption in the manufacturing districts springing up in the Southern States. Indeed, many in

the trade believe in this connection that before many years Canada will be experiencing a demand for cheese from the United States. It does not, of course, follow from this that the U. S. is making less cheese, but rather that it is consuming more, and this increase in home consumption is growing year by year. This is a factor which British importers will have to reckon on more in future.

The Canadian exports for the season, and their value, compared with previous years, were as follows:—

Years.	Quantity.		Cost Pr'c.		Spot pr'c.	
	Bxs.	Per Bx.	Per Bx.	Cost value,	Sp't value.	
1902	2,109,171	\$8.50	\$8.75	\$17,927,953	\$18,455,246	
1901	1,791,613	7.00	7.35	12,541,291	13,168,355	
1900	2,077,000	8.00	8.25	16,560,000	17,077,500	
1899	1,896,496	7.75	8.00	14,698,000	15,171,968	
1898	1,900,000	6.35	6.60	12,065,000	12,540,000	
1897	2,102,985	6.75	7.00	14,195,000	14,720,800	
1896	1,726,237	6.75	7.00	11,605,000	12,083,000	

The improvement in the quality of the cheese was largely due to the strong note of warning sounded by some of the leading authorities at last winter's dairy convention, which has had some effect in waking up the manufacturing branch of the industry. Many new buildings have been erected, and greater attention is being given to sanitary conditions. In the matter of transportation a decided step in advance was made when the Dominion Government arranged with the railway companies to supply iced cars. Heretofore these cars had been provided for butter only.

Probably the most important movement of the year was the establishment of the Cool Cheese Curing rooms by the Dominion Government. These four institutions, situated one each at Woodstock and Brockville, in Ontario, and at Cowansville and St. Hyacinthe in Quebec, are proving to be object lessons of the highest order, and promise to be the beginning of a revolution in the methods of curing cheese. Already many of the factory owners are making preparations to remodel their curing rooms so that the temperature may be controlled and not go higher than 60 degrees in the hottest weather. Thus two important links, along with the cold storage warehouses in Montreal and the cooled air chambers on the ships, make the chain complete from the factory in Canada to the docks in Great Britain. What appears to be most needed now is proper storage for cheese when landed on the other side in hot weather.

The superior quality of this year's cheese, encouraging as it did an extraordinarily strong consumptive demand, has had the natural consequence of shoving prices steadily upward, almost to a record mark. The situation is a most striking illustration of the possibilities of the Canadian cheese trade, and shows very clearly that the limit is far from being reached if the manufacturers will only bestir themselves to produce nothing but an article of the finest possible quality. There was considerable extension of the work of dairy instruction during the year, especially in Ontario, where this plan of dairy education is being put on a better basis.

Right here it might be well to call attention to the fact that while the high average quality was most gratifying on the whole, the high prices prevailing early in the season led near-sighted factorymen to ship a lot of green cheese. Luckily for them the climatic conditions were such they they passed off without any serious trouble. It is to be hoped that the shipment of green cheese, which has been going on more or less for a number of years past, will cease altogether, although it is to be

feared that at times recourse will be had to the too early shipment of cheese from the factory, due to the anxiety of reaching an advancing market, or to meet the urgent requirements of shippers on this side or even importers in Great Britain.

The course of events in the country during the season was highly interesting. During May the average increase in value over last year was \$1.40 per box; in June, it had fallen to 70c; in July, to 58c, and in August to 35c. Then the upward movement commenced, so that in September cheese averaged 70c per box more than in September, 1901; increased in October to \$1.40, and finally in November, to \$2.10 per box, and from present appearances, this difference will be retained on the small remaining stocks yet held for sale in Canada.

The fall deal in cheese this year, owing to the peculiar conditions under which it was made, is more interesting than usual. This period of the year in former seasons has been singularly unfortunate for the Montreal exporters, and singularly fortunate for the producing interests. Considering the many chances that exporters have to take in buying fall cheese, and carrying it through the non-producing season of about six months, with its attendant fluctuation in prices and shrinkage in weight, besides other incidental expenses, fall cheese should be bought pretty cheap instead of at the highest price of the season, as it usually is. At the start this fall, however, prices soon took on their old tendency to soar, and before the advance ceased they had reached a first cost of 12½c, a record price since the year 1887. This steady advance tended to fasten the belief on the minds of operators that the make, instead of being larger, as was supposed, has actually fallen below that of last year, and this, together with the facts that the export demand has been greater, and the English production lighter, has produced a stronger feeling generally. It is worthy of note, also, that there was little or no early makes carried in stock on this side this fall, as was the case last year, as they were shipped forward, and owing to high prices prevailing, made good profits. On the whole, the outlook is encouraging to holders. It is known that considerable lines of August and September cheese have changed hands on this market at profits ranging from 80c to \$1 per box, and over. The main reasons for this are the increased consumption in Great Britain, and the decreased make on this side. In place of the large stocks in Canada at this time last year, and the considerable accumulations in England, we have now much lighter stocks on both sides of the Atlantic. Under such circumstances, it is not surprising that prices have reached 12c. The visible supply on both sides the Atlantic is estimated at between 200,000 to 300,000 boxes less than it was a year ago, and unless prices are driven up to a prohibitive figure, what remains is almost certain to be consumed before the new season opens.

The local exporters figure in the season's business in much the same relative standing as they did a year ago. With a few exceptions, most of the individual firms have scored increases on their turn-over for previous seasons. Total shipments for last five seasons were:—1902, 2,109,171; 1901, 1,791,613; 1900, 2,077,695; 1899, 1,896,396; 1898, 1,888,785.

There has been no material change in the destination of the cheese shipments this year. London again leads the list with over 43 per cent., while Liverpool took over

24 per cent., and Bristol over 18 per cent. London and Liverpool increased their imports as compared with 1901, while Bristol's fell off 11,000 odd. Glasgow, Manchester and Leith follow in the order named, all three increasing their purchases. Ports:—London, 925,200 boxes; Liverpool, 515,325; Bristol, 398,043; Glasgow, 124,125; Manchester, 58,301; Leith, 52,643; Cardiff, 17,554; Aberdeen, 9,275; Belfast, 6,794; Newcastle, 1,241; Dublin, 581; South Africa, 89.

THE EXPORT BUTTER TRADE.

If the season of 1901 was satisfactory for butter exporters, that now closing has been still more so, for not only have factorymen realized on the average as much for their butter, but they have turned out a much larger quantity. This shows a strong tendency on the part of dairymen in some districts to adopt butter making in preference to cheese, the greatly increased output during the past season, in spite of the comparatively higher prices for cheese being proof. This is especially true of the province of Quebec, which produces the bulk of our exports. That province furnished this season as fine butter as could be made, and demonstrated the fact by laying it down in England, and cutting into the market controlled by the Danish and European Continental makers. The main defects, according to English exchanges, in the Canadian product are the want of "finish" to the butter when packed in the export box of 56-lb., and the inferiority of the imitation vegetable parchment paper which lines the boxes and wraps the butter. Very few shippers use as good vegetable parchment paper as is employed by the Australians and New Zealanders. Yet the difference in cost between the best parchment and the inferior imitation used in Canada is less than one halfpenny per 56-lb. box of butter, worth from 50s to 55s. Owing partly to this inferior quality of paper Canadian butter becomes mouldy on the surface, and money is lost in consequence. Another point requiring attention is the temperature at which Canadian butter is carried from Montreal to the United Kingdom. At present this temperature is too high, for the maximum should not exceed 25 degrees F.—New Zealand butter, is all carried below 20 degrees.

During the year our exports of butter increased over 30 per cent. in volume, or twice as much as did cheese, and increased in value almost \$2,000,000. The room for expansion in the export butter trade is unquestionable, as Great Britain's yearly consumption is over three hundred and eighty-six million pounds, and Canada supplies only an infinitesimal portion of this, whereas it supplies almost 60 per cent. of Britain's cheese imports. Besides, as matters stand at present, Canadian exporters cannot be certain of a large weekly supply of butter. As a result, they cannot enter into the British market with that degree of certainty possessed by operators in competing countries.

During the early portion of the season a good deal was heard about the competition of Russian butter, but it has been demonstrated that finest Canadian creamery need not be classed in the same category. The demand experienced for Canadian June creamery effectually demonstrated this. In fact, the splendid quality of our butter explains the liberal orders received for it from England during the summer months, English houses that formerly dealt exclusively in Swedish or Danish runing chiefly on Canadian creamery.

WHAT CANADA BUYS—(21).

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.
		\$		\$	\$		\$	\$
Drugs, dyes, chemicals and medicines—Proprietary, medicines not otherwise provided for—								
Great Britain .....	.....	72,984	.....	3,494	873.50	.....	65,750	10,958.78
Hong Kong .....	.....	338	.....	338	84.50	.....	.....	.....
Austria-Hungary .....	.....	5	.....	5	1.25	.....	.....	.....
Belgium .....	.....	115	.....	115	28.75	.....	.....	.....
China .....	.....	1,085	.....	1,085	271.25	.....	.....	.....
France .....	.....	18,976	.....	20,671	5,167.75	.....	.....	.....
Germany .....	.....	3,128	.....	2,764	691.00	.....	.....	.....
Holland .....	.....	869	.....	869	217.25	.....	.....	.....
Japan .....	.....	287	.....	287	71.75	.....	.....	.....
Switzerland .....	.....	417	.....	417	104.25	.....	.....	.....
United States .....	.....	207,807	.....	206,694	51,673.50	.....	.....	.....
Total .....	.....	306,011	.....	236,739	59,184.75	.....	65,750	10,958.78
Potash or, potassa bicarbonate of—								
	Lbs.		Lbs.			Lbs.		
Great Britain	812	70	.....	.....	.....	812	70	9.34
United States	6,968	387	8,618	492	98.40	.....	.....	.....
Total	7,780	457	8,618	492	98.40	812	70	9.34
Soda bicarbonate of—								
Great Britain	2,503,282	24,048	1,120	17	3.40	2,508,356	24,205	3,227.37
Germany	11,400	316	10,100	3	60	.....	.....	.....
United States	1,856,159	40,482	1,867,615	40,309	8,061.80	.....	.....	.....
Total	4,370,841	64,846	1,878,835	40,329	8,065.80	2,508,356	24,205	3,227.37
Sulphuric ether, chloroform and solutions of peroides of hydrogen—								
Great Britain	7,279	6,382	662	817	179.50	6,233	5,265	877.53
France	4,150	528	350	57	14.25	.....	.....	.....
Germany	18,990	3,821	18,250	3,645	911.25	.....	.....	.....
Switzerland	192	125	192	125	31.25	.....	.....	.....
United States	16,273	6,438	18,126	7,238	1,809.50	.....	.....	.....
Total	46,884	17,294	37,580	11,783	2,945.75	6,233	5,265	877.53
Vaseline and all similar preparations of petroleum for toilet, medicinal or other purposes—								
Great Britain	593	65	30	1	0.35	563	64	14.94
France	530	37	90	6	2.10	.....	.....	.....
Germany .....	.....	.....	220	15	5.25	.....	.....	.....
United States	240,587	8,486	240,587	8,486	2,970.10	.....	.....	.....
Total	241,710	8,588	240,927	8,508	2,977.80	563	64	14.94
Yeast cakes—								
Great Britain	56	9	28	5	1.68	28	5	1.09
United States	1,663	226	1,663	226	99.75	.....	.....	.....
Total	1,719	235	1,691	231	101.43	28	4	1.09
Yeast compressed in packages weighing less than 50 lbs.—								
United States	3,389	831	3,389	831	203.34	.....	.....	.....
Yeast compressed, in bulk or mass of not less than 50 lbs.—								
United States	208,435	47,900	208,435	47,900	6,253.05	.....	.....	.....

DUTIABLE GOODS.—(Continued.)

Countries.	ARTICLES IMPORTED.			ENTERED FOR HOME CONSUMPTION.				
	—Total Imports—			General Tariff.		Preferential Tariff.		
	Quantity.	Value.	Quantity.	Value.	Duty.	Quantity.	Value.	Duty.
Drugs, dyes, chemicals and medicines—Gelatine and isinglass—								
	Lbs.	\$	Lbs.	\$	\$	Lbs.	\$	\$
All other drugs, dyes and chemicals not otherwise provided for—								
Great Britain	203,970		33,192	6,638.40		150,133	20,018.24	
B. W. Indies	26		26	5.20				
Newfoundland	142		142	28.40				
Austria-Hungary	2,639		2,639	527.80				
Belgium	1,339		359	71.80				
China	291		291	58.20				
France	12,093		13,184	2,636.80				
Germany	82,294		64,096	12,819.20				
Italy	224		224	44.80				
Japan	2,036		1,925	385.00				
Norway and Swedey	637		11	2.20				
Switzerland	9,202		9,694	1,938.80				
United States	249,106		244,206	48,841.20				
Total	563,999		369,989	73,997.80		150,133	20,018.24	
Earthen and chinaware (see bricks and tiles) Baths, tubs and washstands of earthenware, stone, cement, etc, N.O.P.—								
Great Britain	797		19	5.70		813	162.60	
Newfoundland	1		1	0.30				
China	4		4	1.20				
United States	21,783		21,783	6,534.90				
Total	22,585		21,807	6,542.10		813	162.60	
Brown or colored earthen and stoneware and rockingham ware—								
Great Britain	9,970		156	46.80		9,814	1,962.80	
China	2		2	0.60				
Germany	1,071		1,071	321.30				
Japan	629		629	188.70				
United States	7,656		7,656	2,296.80				
Total	19,328		9,514	2,854.20		9,814	1,962.80	
Decorated, printed or sponged and all earthenware, N.E.S.—								
Great Britain	233,115		3,397	1,019.10		248,347	49,669.40	
Hong Kong	94		94	28.20				
Austria-Hungary	2,339		2,308	692.40				
Belgium	268		268	80.40				
China	58		58	17.40				
France	4,280		2,882	864.60				
Germany	12,183		12,860	3,858.00				
Holland	19		19	5.70				
Japan	4,250		4,314	1,294.20				
Mexico	8		8	2.40				
United States	18,150		17,288	5,186.40				
Total	274,764		43,496	13,048.80		284,347	49,669.40	
Demijohns, churns or crocks—								
Great Britain	464					464	92.80	
France	84		84	25.20				
Germany	14		17	5.10				
United States	407		407	122.10				
Total	969		508	152.40		464	92.80	

EFFECTS OF THE UNITED STATES CATTLE DISEASE.

The sudden outbreak of disease among the cattle in portions of the Eastern States has caused about as much consternation, coming on Christmas time, as though it were turkeys that had become afflicted. However, these little temporary disturbances will be productive of more good than evil in the end, for they teach a lesson against absolute dependence on a single industry, a single calling, or a single source of supply.

With reference to the cattle embargo official instructions have been sent to collectors of customs which read as follows:—You are instructed that the importation of cattle, sheep or swine from the six New England States of Maine, New Hampshire, Vermont, Connecticut, Massachusetts and Rhode Island is prohibited on account of the outbreak of disease. Shipments of cattle, sheep or swine originating in or passing through any of the six New England States from November 30, 1902, are, therefore, not to be allowed entry into Canada.

A cattle dealer of Winnipeg, in Ottawa this week, called at the Department of Agriculture to see whether something could not be done to enable 600 head of cattle now at Boston to be forwarded to England. These cattle are worth 60,000, and if their exportation is prohibited, the owner stands to lose \$12,000 or \$14,000. He was told, says an Ottawa report, that the cattle having been shipped to a United States port and an embargo having been placed on their exportation by the United States authorities, the officials here could do nothing in the matter. The cattle will probably have to be slaughtered at Boston.

There is still doubt about the future of the cattle business here, because, although the British order prohibits exports from Maine, where the disease does not exist, the United States order does not mention that State. The Grand Trunk Railway, with its terminus at Portland, in that State, is still in doubt, and is holding cattle here pending further information. There are at present in the Montreal stockyards 3,000 cattle and 2,000 sheep, which cannot be shipped, and it is estimated that there are \$250,000 worth of live stock tied up.

A prominent Montreal exporter, returned from a conference with the Minister of Agriculture in Ottawa on the subject, stated that a cable had been sent to Lord Strathcona, asking him to lay the matter before the Board of Agriculture in London, and use his good offices to have the embargo raised from Portland, or, at any rate, to get permission to use the C. P. R. line to St. John, N.B., which crosses the State of Maine through a district where there are no cattle, so that there is no possible danger.

Facilities at St. John.—The cattle embargo prohibiting cattle to be shipped through the State of Maine in bond, via the Canadian Pacific Railway, to St. John, is causing considerable stir here. Mayor White telegraphed Hon. Mr. Blair to use his influence to prevent the embargo regulations injuriously affecting the cattle through the port of St. John, which has splendid facilities for handling cattle. His Worship also had a conference with James Osborne, general superintendent of the C.P.R., and Col. Tucker, M.P., as a result of which Col. Tucker left for Ottawa at once to personally impress on the members of the Government the claims of St. John, which has splendid facilities for the handling of cattle. Mr. Osborne authorized Col. Tucker to promise that the animals would be brought on fast freights, in charge of responsible officials, who would see that nothing was done to violate the regulations.

Disease is Widespread.—Boston, Dec. 1.—To-day the Cattle Bureau of the State Board of Agriculture began a systematic and exhaustive inspection of the cattle reported as having the foot and mouth disease, the prevalence of which in New England has caused an embargo on traffic in cattle, sheep and hogs. During the day reports came in which were not considered reassuring. The Cattle

Bureau representatives found 50 cases in Middlesex County and 80 cases in Bristol County. Reports of infection came from Stow, Danvers, Bridgewater and East Bridgewater. Other herds are under observation in Hudson.

The Executive Council at a meeting this afternoon adopted an order making it possible for the State Cattle Bureau to control auction sales of cattle and transportation of cattle along the highways of the State. Steamship men here are greatly discouraged because of the order of the Canadian Government that no vessels clearing from Boston shall be permitted to load cattle at Canadian ports. The order has upset plans to have Boston ships call at either Halifax, N.S., or St. John, N.B., for live stock, and to-day there was a rapid exchange of telegrams, with a view to having the order modified.

As viewed in England.—London, Dec. 1.—The stoppage of the importation of cattle from Boston has increased pressure upon the British Government to rush a short act through Parliament admitting Canadian store cattle. Hon. Mr. Hanbury, speaking on Saturday, repeated his refusal to relax the embargo on Canadian cattle, asserting that the Board of Agriculture must at least protect the British farmer against the importation of disease. Large cattle arrivals at Liverpool are keeping prices below recent quotations. The highest prices obtained at Liverpool on Saturday for the best quality were five pence and five and a quarter pence per pound, against seven pence two months ago. Second-class beef also was never so plentiful, and the immense further supplies now on the sea make higher prices improbable for the present.

To stamp it out.—Chicago, Dec. 1.—Secretary of Agriculture Wilson, who has arrived here to attend the International Live Stock Exposition, says regarding the outbreak of cattle disease in New England: "My latest report from the infected district is that the disease is at a standstill. Congress will be asked for a special appropriation to cure the disease permanently. I intend to ask for at least \$1,000,000."

The situation in Toronto.—The cattle export trade of the Province of Ontario is temporarily paralyzed as a result of the embargo placed by the British Government on cattle shipped via the ports of Boston and Portland, the regulation also preventing in the meantime the shipping of cattle over the Canadian Pacific short line through Maine. Not a car of export cattle was moved from Ontario yesterday, and the last lot over the Canadian Pacific to go Maine was sent out of Toronto on Sunday night, eighteen carloads in all. That this shipment would be allowed through, in view of the new order, the Canadian Pacific officials were not sure. Exporters here are viewing the situation very seriously from the standpoint of steamship space. They do not deal directly with the railways for ocean space, but with the Canadian Exporters' Association, at Montreal, which contracts for all the space. The closing of Boston and Portland withdraws a very considerable tonnage from the freight market, and is bound to cause great inconvenience to exporters, who had made their arrangements ahead. The ports still open for exporters are Halifax, St. John, New York, Philadelphia, and Baltimore. The service at present out of St. John is the Allan Line, weekly to Liverpool, the Elder-Dempster, fortnightly to Liverpool, the Donaldson, weekly to Glasgow, while the Manchester Line furnishes a service to Manchester, the Head Line to Dublin and Belfast, and the Elder-Dempster to Bristol.

—Tacoma, Wash., advices state that Texas cattlemen are seeking to secure large areas of grazing ground in Western Canada. They purpose shipping thither and feeding big herds of cattle from the present over-crowded Texas ranges. The range area in Texas has become so circumscribed by settlement that the stockmen must move or go out of business, as many have already done. A representative of the stockmen is en route to British Columbia to ascertain if they can secure land on which to fatten their herds, which they purpose shipping north by rail. They will find it necessary to invest large amounts in building sheds, which they are willing to do if they can buy ranges or lease them for long terms.

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MONTREAL COMMISSION HOUSE IN TROUBLE.

We regret to learn of the financial trouble which has overtaken the old-established and well-known Montreal wholesale produce commission firm of Messrs. George Wait & Co. The firm may be considered among the oldest in the trade, the present members having grown up with the business from the early '70s. The origin of the present trouble dates back a couple of years, since which time, owing to one of the firm having overdrawn his account \$16,300, which seriously interfered with the capital, the firm has found it impossible to obtain the bank accommodation or other favors usual with houses of good standing. As a result of this drawback the firm has been obliged to stand losses in various ways, chief among them being the necessity of turning goods over at very light margins of profit in order to meet maturing bills. Their many friends both in Montreal and abroad hope this trouble may be speedily adjusted.

BAY OF QUINTE NOTES.

The steamer Reindeer has laid up for the season.—A large fleet of coal laden vessels has called at the port of Deseronto this week.—D. Coyle has sold the Anglo-American Hotel in Belleville to W. F. Lewis of Barrie.—A heating apparatus is being installed in the new post office at Deseronto.—The Rathbun Company have five large shanties in operation along the line of the Central Ontario Railway.—The Lake Ontario and Bay of Quinte Navigation Company have withdrawn the steamer Aletha from the Bay route for the season of 1902.—Charles Stevens of Napanee, has made 13,000 apple barrels this season and did not come near the demand that was made on him.—The rails have been connected on the Deseronto Napanee branch of the Bay of Quinte Railway, and ballasting is progressing rapidly. Next week should see the first trains running.—The steamer Reliance took a cargo of coal to Belleville on Monday. No anthracite coal has yet been received in Deseronto, but the probabilities are that a full supply will be received before long. So far \$6.50 is the highest price per ton that has been charged the citizens of Deseronto for hard coal. Montreal cannot say this.—The Picton Gazette says that about 10,000 barrels of apples have been shipped by rail from that station, and that large quantities have gone forward from other places in Prince Edward County.—These are busy days in the Deseronto machine shops. In addition to their ordinary work, they are making repairs to the Deseronto Iron Works and the Chemical Works, both of which are shut down for a general overhauling.—Kingston business men regard the pro-

jected Grand Trunk line to the Pacific Coast as likely to prove of great benefit to that city. The proposed extension of the Bay of Quinte Railway to North Bay would bring Kingston and Deseronto into direct communication with New Ontario and the great West. It would also be the shortest route from New York to the Pacific. In any event the extension northward of the Bay of Quinte Railway is a pressing commercial necessity for the Bay district.—The Bay navigation is nearing a close. The through steamers have all laid up for the season. The steamer Reliance, however, is still carrying lumber from Deseronto to Oswego whenever the weather is not too boisterous, and the Nile is still busy between Deseronto and St. Lawrence River ports. The steamer Resolute was delayed in the Welland Canal. The steamer Ella Ross and Deseronto are still on their regular routes.—The Picton Gazette says that notwithstanding three boats of the Hepburn fleet have been engaged for the past few weeks in carrying away apples in barrels and apple products of various kind, each week has shown an accumulation of freight sufficient to keep these vessels busy. In addition to this, large quantities have gone forward by the R. & O. steamers, by rail, and by the Deseronto boats. The products of Prince Edward the present season, in hogs, cattle, sheep, cheese, grain, apples and apple products, have been simply enormous, and must have yielded the farmer a revenue which should make him feel happy and very proud.—The Big Mill at Deseronto has made an excellent record this season. It has not been shut down more than an hour for repairs. At present only the two band saws are kept busy cutting.

LIGHTING BY ELECTRICITY.

In his annual summary of the use of electricity for lighting purposes in Canada, Mr. Geo. Johnson says the number of companies doing business in electricity in connection with lighting has increased from 259 in 1898 and 306 in 1901 to 312 in 1902. The arc lights increased from 10,389 in 1898 to 12,884 in 1902, and the incandescent lamps number 995,056, an increase of 179,380 lamps over 1901 and of 531,441 over 1898. Reckoning each arc lamp as equal to ten incandescents, the use of electricity as a lightgiver has developed from 565,505 lamps in 1898 and 943,676 in 1901, to 1,123,896 in 1902. Of the total 312 companies, Ontario has 195, or 62½ per cent. As the proportion of Ontario's population is 40.6, it is plain that the Province has adopted the electric light to a greater extent than the other Provinces. Ontario cities, towns and villages avail themselves of electricity for lighting to a great extent. There are over 110 of them in which electricity is used for lighting. Of these over 20 own their own lighting establishments. Several cities and towns have more than one plant. The City of Toronto has 1,672 arc and 100,000 incandescent lamps, equal

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
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to a total of 116,720 incandescents. Ottawa has 650 arcs and 93,207 incandescents, belonging to the Ottawa Electric Company, and is also supplied from the Quebec side with a limited number of lamps; but, taking only those of the Ottawa Electric, the Federal capital is brightened by the effulgence of 99,707 electric lamps. Hamilton has 606 arcs and 33,058 incandescents, or a total of 39,118. London has 351 arcs and 20,000 incandescents. Quebec Province has 3,605 arcs and 340,120 incandescents, or, reduced to the standard of incandescents, a total of 376,170 lights, an increase of 218,979 in 1902 over 1898, and of 64,870 over 1901. Of this total: Montreal has 2,474 arcs and 184,978 incandescents, or equal to 209,718 incandescents. Quebec City has 607 arcs and 80,000 incandescents. In the whole Province there are 52 plants, 25 of them in the eastern townships. Nova Scotia's equipment of 409 arcs and 46,475 incandescents, equal to 50,565 incandescents, is distributed among 22 cities and towns, and is supplied by 24 companies. New Brunswick is supplied with electric light by 11 companies and municipalities. Prince Edward Island's modest share in the total of Canada is three electric light companies, with 87 arcs and 11,330 incandescents. Manitoba has six plants distributing light by 53 arcs and 26,635 incandescents, a total of 27,165, a gain over 1898 of 11,745. The territories have five plants, with 31 arcs and 6,081 incandescents. British Columbia in 1898 had eleven companies, with 457 arcs and 28,866 incandescents. In 1902 the Province had 16 plants, with 770 arcs and 85,435 incandescents, or a total of 93,135 incandescent lamps, an increase of 59,699 lamps. Vancouver is lighted with 41,181 incandescents, and stands, therefore, the fifth among the best electric lighted cities of Canada.

—Winnipeg customs receipts for the last month were \$126,184.63, as compared with \$98,579.84 in November, 1901. The increase for this year is \$27,604.79, or slightly over 28 per cent.

DAIRY PRODUCE.

A private London circular, date 21st ult., treating of the dairy produce situation, says:—**Butter.**—The temperature of the weather all over north-western Europe and the British Islands is now very cold with dry easterly winds, which have reduced the milk supply, and at the same time intensified the consumption of butter. The demand for Canadian butter continues to improve, especially for really "Choicest" goods, but business is not as brisk as was expected. The arrivals last week were only 10,484 boxes, against 35,176 boxes the week before. "Choicest" Canadian is making 102s to 104s, with a few sales at 106s. "Finest" ranges from 96s to 100s.

The "Oceana" left Melbourne this week with about 2,800 boxes of butter on board, and is due in London about 27th December. It will be remembered that last week no vessel carrying butter sailed from Australia, consequently the "Oceana" is bringing a fortnight's make. Last year at the same date the "Oceania" left with 34,500 boxes. The "Karamea" sailed from New Zealand this week with about 17,000 boxes of butter and is due in London early in January. There is a very general impression in the trade that although the supplies from Australia will be short, those from New Zealand will be much larger. Shipments to date do not bear out this view. Last year the first five vessels from New Zealand carried 91,656 boxes; this year they carry only 41,670 boxes, or a shortage of 50,000 boxes, which equals 1,250 tons. The total import last year from New Zealand was 8,300 tons, hence, instead of a largely increased supply it looks more like a large diminution. The "Paparoa" arrived to-day with 1,815 boxes of New Zealand new season's fresh grass butter, which is making virtually the same prices as Danish, and is giving great satisfaction.

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

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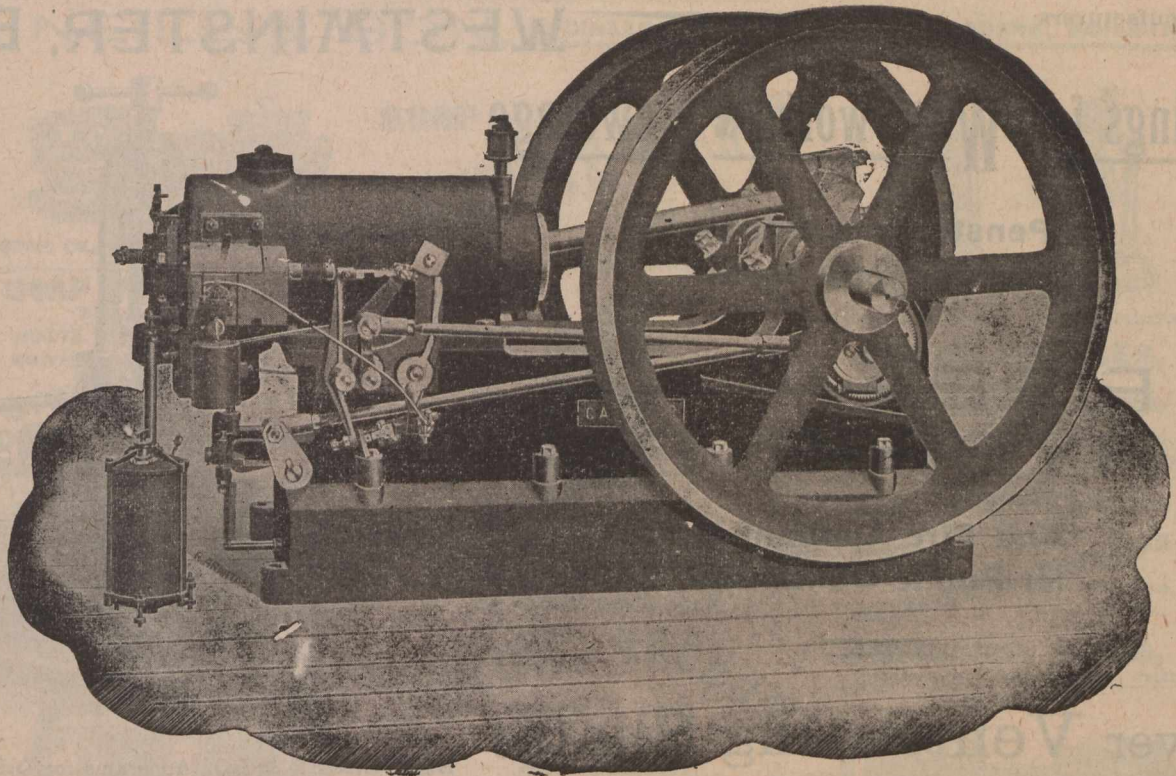


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The Danish Committee has left the Copenhagen official quotation unchanged this week, although there is considerable difficulty in disposing of Danish butter on British markets just now. This arises from two causes—one, the high prices asked; and the other, the large quantity of inferior Danish butter now on the market, mainly inferior by reason of the change from grass to fodder. Arrivals of Argentine butter are beginning, but most of it is fodder made, as the season in Argentina has been the coldest and latest on record since the trade began.

Cheese.—The great and sudden rise in price of Canadian has temporarily somewhat checked business, as buyers have not fully realized what the advance means, but prices remain very firm at last week's rates. The "Karama" has just left New Zealand with the first shipment of new season's cheese, consisting of about 260 crates. Quotations: Choicest, 59s to 60s; finest, 56s to 57s. Corresponding week, 1901, Canadian choicest sold at 45s to 47s, and finest at 43s to 44s.

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.

Blind River—S. Goneau vs Felix Daigle \$800; Ottawa—Arthur Co. vs G. R. Blyth Sr. et al \$12,939; Sleeman B. & M. Co. vs W. G. Borthwick \$557; Cathe. Grant vs John and Cathe. Paul \$700; L. C. Mitchell vs T. and F. Quinney \$1,100; Russell Tp—C. Parham vs F. X. Favreau \$918; sparta—A. M. Smith & Co. vs J. W. Hilborne \$389; Thessalon—G. H. Strobridge vs Saml. and Wm. Gordon \$362; Tilsonburg—J. A. Dart vs Tilsonburg, Lake Erie & Pacific Co. \$3,140; Belleville—J. L. Biggar vs Elizth. Tedman et al \$417; Berlin—Mrs. J. Appel vs Thos. Farrow \$397; Brockville—H. Stephens vs D. W. and Wm. Ross \$486; Brucefield—D. L. Sinclair vs G. A. Turner \$500; London—Merchants Bank vs Acetylene Manfg. Co., Ltd., et al \$5,625; Lucas, Steele and Bristol vs E. E. Runnians et al. \$2,584; St. Joseph—People's Bank vs N. M. Cantin \$502; Toronto—Molsons Bank vs Hannah E. Cleghorn \$2,540; Hepburn & Gale Ltd. vs Dominion Leather Co. \$2,175; Canada Perm. Corp. vs A. M. Howard, Sr. \$10,425; Bank of Commerce vs A. Neighorn \$426; Whitby—W. H. Dunlop vs V. B. Woodruff \$1,000 damages;—M. H. Furlong vs Hamilton Street Ry. Co. \$2,000 damages; Hibbert—James Peart vs George Peart \$1,579; Midland—Balfour & Co. vs McMurtry & Co. \$307; Ottawa—Ottawa Wine Vault Co. vs. Capital Cigar Co. \$2,094; Oxford Tp.—T. A. Kidd vs Martha Christie, admrx. \$385; Rat Portage—Colonial I. & L. Co. vs S. C. and S. C. McGimsie \$451; Toronto—E. W. Smith vs J. H. and A. L. Jewell \$727; E. Adams & Co. vs A. J. Ayearst \$329; Radford Paper Co. vs Internat. Mercantile Agency, Ltd. \$373; A. L. Simpson vs L. V. McBrady et al \$347; J. M. Alexander vs Ann J. Miles \$5,000 damages; A. Kent & Sons vs J. H. Jewell et al \$463; J. Peach vs John Stephenson et al \$684; Wawa—J. Bousquet vs T. R. Smart \$683.

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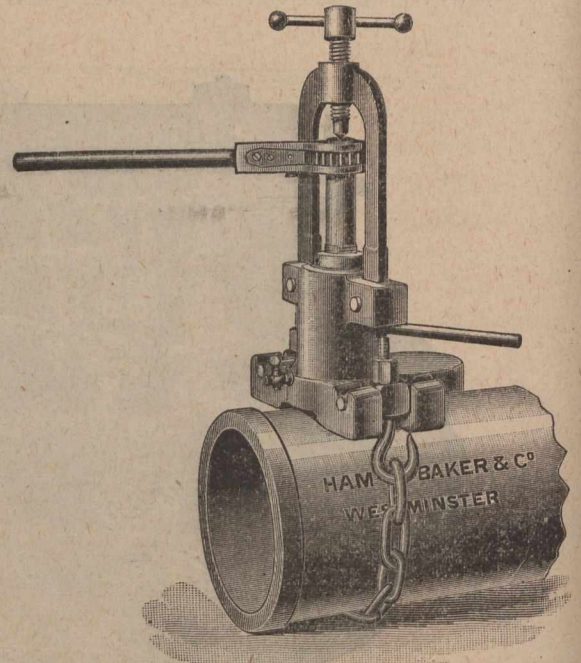
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WRITS ISSUED—MANITOBA & N.W.T.

Manitou—T. Cassin \$594; Maple Creek—J. O. Beesley \$426.

WRITS ISSUED—BRITISH COLUMBIA.

Vancouver—Wm. Hayes \$373; British Columbia Packers' Assoc. et al \$44,001; Victoria—F. Campbell \$359.

JUDGMENTS RENDERED—ONTARIO.

Chatham—T. Kenny & Co. agt L. F. Wilson \$312; Ottawa—A. W. Ault Co. agt Sylvester Teskey \$469; Port Perry—S. Wilson agt J. B. Laing et al \$490; Ottawa—D. B. McLennan et al, exrs. agt Guy Campbell et al exrs \$515; Tara—W. A. Gerolamy agt Biette & Co. \$402;.....—Hannah A. Ghent agt Margt. Sullivan et al \$1,507; Linwood—G. DeSerris agt R. Y. Fish \$493; Toronto—H. A. Switzer agt International Mercantile Agency Co., Ltd. et al \$369.

JUDGMENTS RENDERED—QUEBEC.

Magog—J. M. Manson agt G. E. Manson \$1,941; Maison-neuve—De Jane Gow et vir agt Jos. Pelletier; \$335; Montreal—E. Laeroix agt Alphonse Cadieux \$275; V. B. Campbell agt Eleanor Durham \$260; C. Rosenburg agt J. Maszkowicz \$209; W. J. Henderson agt Fred. Massey \$295; N. I. Martin agt Ed. O'Shea \$201; Hamilton Brass Mfg. Co. agt G. W. Smith \$199; St. Laurent—N. F. Nash agt Edouard Gohier \$390; Montreal—H. Forman agt Jacob Forman \$605; J. Cohen agt Chas. Pierce et al \$319; T. H. Taylor agt A. H. Murphy \$1,742; St. Paul—G. W. Edie et al agt Henry Bausch et al \$2,540.

JUDGMENTS RENDERED—NOVA SCOTIA.

Sydney—Sydney Household Supply Co. \$372; Chetcamo—Geo. LeBrun \$7,450; Wallace—Wallace Bay Butter & Cheese Co., Ltd. \$1,016.

JUDGMENTS RENDERED—MANITOBA & N.W.T.

Lacombe—T. Cummings & Son, \$545.

JUDGMENTS RENDERED—BRITISH COLUMBIA.

Vancouver—J. J. Nickson \$599; Victoria—Pacific Exploration & Dev. Co., Ltd., \$305; Vancouver—Joseph Beales \$336.

JUDGMENTS RENDERED—P. E. ISLAND.

Summerside—D. Rogers & Son \$726 and \$577.

EXECUTIONS—QUEBEC.

Montreal—J. E. Cavanagh agt John Darlington \$514; A. Lamoureux agt Hiram Johnson \$273; J. Paquette agt L. H. Paquette et al \$204; Trust and Loan Co. agt G. T. White \$233; A. E. Brown agt Geo. Giguere \$234; P. P. Des Troismaisons agt Jos. Monette \$596; St. Laurent—P. Cousineau agt J. Filion \$358; Westmount—H. Tucker agt V. P. O'Leary et al \$316; Longueuil—L. Marille agt Geo. Wilber \$599; Montreal—Town of Westmount agt J. A. Bell \$647; E. G. Brooks agt Jos. Roy \$186.

CHATTEL MORTGAGES—ONTARIO.

Byng Inlet—Holland & Emery Lumber Co. to Bank of Toronto \$324,552; Lakefield—Wallace Calder to J. Linton & Co. \$1,078; London—W. H. Mahon to Carling B. & M. Co. \$1,808; Norwood—D. A. Oakley to E. C. Squire \$1,380; Ottawa—Urgele Ricard and wife to Elizth. S. Henderson \$1,082; G. F. Snider et al to W. J. Kennedy \$800; Owen Sound—Watson Mills to G. Eveleigh \$2,000; Paisley—H. and Mrs. M. M. Gilbert to C. Briggs \$550; Seaforth—James Dick to Randall & Roos \$3,525; Sovern Bridge—J. P. R. Congden to R. Pace \$500; Toronto—C. K. Rogers

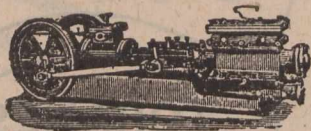
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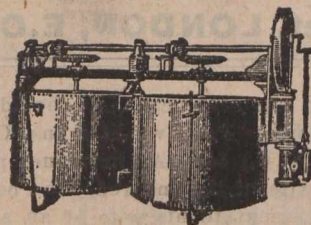
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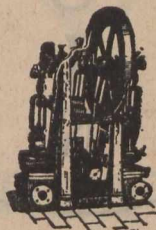
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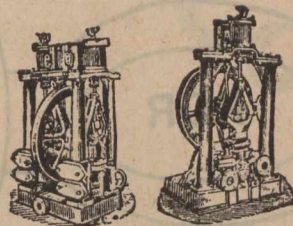
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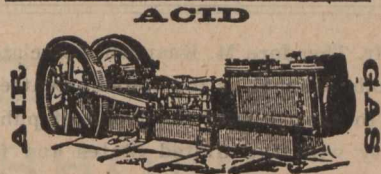
CHEMICAL PUMPS,
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AIR COMPRESSORS,
With Improved Valves.

Causticisers.
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GRINDING MILLS,
Edge-Runner or Burr with Patent Necks.



AIR COMPRESSORS & BLOWING ENGINES.

ST. HELENS JUNCTION, LANCASHIRE, ENGLAND.

Chemical Plant

PRICES AND PARTICULARS ON APPLICATION.

Special Prices to Canadians under the new Tariff

to O'Keefe Brewery Co. \$7,000; Beverley Tp—J. E. Roland et al to P. Wood \$4,542; Bobbidgeon—T. A. Fairbairn to J. Guenny \$1,057; Guelp.—J. W. Williams to Sleeman Brew. & Malting Co. \$1,900; Hamilton—Maurice Reardon and wife to Grant Spring Brewery Co. \$1,249; Omeme—Sarah and Jas. Graham to Rosanna Stratton \$746; Ops—Robert Montgomery to Sawyer & Massey Co. \$1,595; Toronto—Reid Bros. Mfg. Co. to T. M. Higgins \$1,692; Waterloo—H. C. Raising to Theresa Kuntz \$1,890; Cath. Rittershaus to Theresa Kuntz \$1,428; Belmont—Jos. Jas. and Hester E. Gawley to R. Lindsay \$1,250; Brantford—W. & O. R. Alguire to Sleeman Brewing & Malting Co. \$3,000; Cannington—W. A. Robinson to D. Gillespie \$1,024; Cobourg—T. B. Lapp to Kate Williams et al \$1,592; Grimsby—J. H. Whittaker to S. Whittaker \$1,166; North Toronto—W. H. Minns to L. Reinhardt \$755; Pont Perry—Louis Bandel to O'Keefe Brewery Co. \$5,000; Rama Tp.—N. T. Carrick to W. B. Tisdale \$3,884; St. Catharines—A. O. Staats to H. Wise \$575; Toronto—F. J. McCrohan to J. Goodwin \$2,000; F. J. McCrohan to Toronto B. & Malting Co. \$4,000; F. J. McCrohan to O'Keefe Brew. & M. Co. \$4,000; F. J. McCrohan to J. A. Devany \$2,960; Vienna—C. M. Wilson to J. Burgess \$1,900.

CHATTEL MORTGAGES—MANITOBA & N.W.T.

Dominion City—F. W. Simpson \$835; Elgin—J. G. Draper \$1,000; Grenfell—T. Crispin \$1,400; Morningside—N. N. Olson \$1,000.

CHATTEL MORTGAGES—BRITISH COLUMBIA.

Vancouver—A. Chapman \$790.

BILLS OF SALE—ONTARIO.

Glocester Tp—Gabriel Dowler, Jr. to G. Dowler Sr. \$1,500; Kincardine Tp—John Hewitt to S. S. B. Hewitt \$1,000; Sarnia Tp.—Albert James to A. G. Laschinger \$1,075; Seaforth—Rhynas & Cornell to Beckett & Staunton \$3,000; Ottawa—Sylvester Teskey to Teresa Mary Teskey \$750; Sarnia—A. G. Laschinger to F. Sole \$1,075; Stratford—Harry Patrick to F. J. Patrick \$961; Williams E. Tp—J. J. McKichan to S. R. Gillies \$1,350; Port Arthur—Alphonse Guerard to Rachel Terry \$800; Toronto—Marion Murphy to Helena Murphy et al \$7,000.

BILLS OF SALE—MANITOBA & N.W.T.

Brandon—John McDonald \$1,950; Cowley—J. J. Gray \$2,650; Calgary—T. Kirkpatrick \$900.

BILLS OF SALE—BRITISH COLUMBIA.

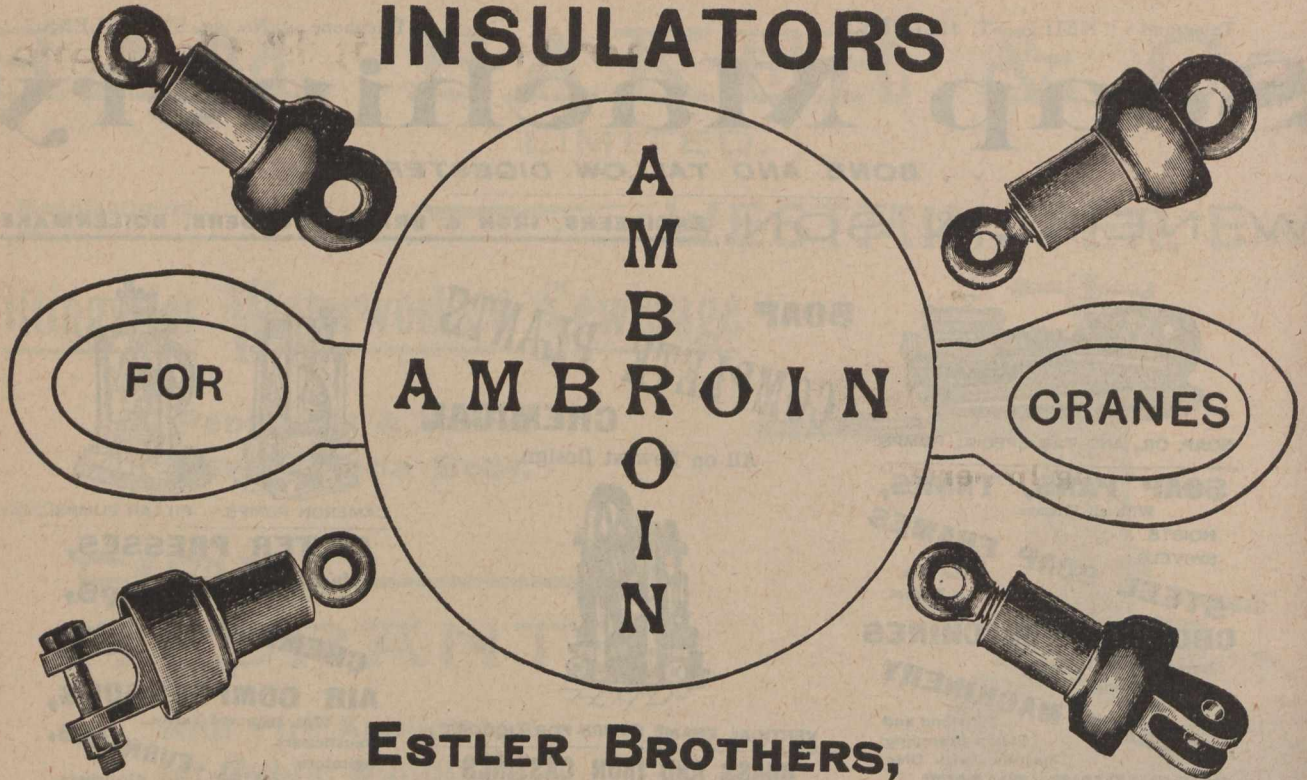
Fernie—Mott Son & Co. \$12,000.

BILLS OF SALE—NEW BRUNSWICK.

St. Jacques—H. L. Maddocks & Co. \$5,800.

—The ink was scarcely dry on a recent issue containing an article on the appointment of a principal for Queen's University, Kingston, when announcement was made of the consent of the Rev. Mr. Gordon of Halifax to accept the position—one to which he is safe to do ample justice.

INSULATORS



ESTLER BROTHERS,

25 Laurence Pountney Lane,

Telegrams: "ISOLABLE, LONDON."

Cannon Street, LONDON, E.C., Eng.

—Mr. Theodore M. Knappen, associate editor of the Minneapolis Journal, is touring the centres of Canada with a view to ascertaining the trend of public opinion on reciprocity with the United States and for a more friendly feeling between the two countries. Mr. Knappen says the question of annexation is not an issue, and is seldom referred to in the States. The feeling is, however, growing very rapidly, more especially in the north-western States, in favor of a repeal of the Dingley tariff bill and the establishment of the most friendly relations with Canada. It would, of course, take a long time to secure a majority of Congress in favor of these views, but a good start had been made. Of the nine Congressmen from Minnesota eight were in favor of reciprocity, and Senator Hansbrough of Dakota was in favor of continental free trade. It was curious to see men oppose continental free trade who would oppose any attempt to give a single State of the Union power to levy duty on imports from another State. Speaking of the free lands in the States, Mr. Knappen said the available arable land of the States not yet settled would be about 25,000,000, but at least 120,000,000 more acres can be fertilized by irrigation, and this latter work was being undertaken, the first being the St. Mary's Plains, Montana, extending to about 1,000,000 acres. This settling up of the available lands of the States accounted for the overflow into Canada. He found it difficult to get some business men to agree with him on his reciprocity views, and these pointed to the increasing sale of American goods in Canada in spite of the British preference. He believed, however, that at last people were beginning to realize that the fewer the trade restrictions on this continent the better it would be for all concerned.

—Life Insurance Decisions.—Where a life policy was payable to the wife of the insured, if living, otherwise to their children, and the wife and only child, a daughter, died before insured, the daughter's husband could sue on the policy in his own name. *D'Arcy et al. vs. Connecticut Mut. Life Ins. Co.*, 69 S. W. Rep. (Tenn.), 768.—Where plaintiff in an action on a life policy introduced the policy, which recited that it should not be delivered till the first premium was paid, and defendant admitted that the insured died before the first renewal premium was due, and offered no evidence, the court properly instructed the jury

that, if they believed the evidence, they should find that the policy was in force. *Page vs. Life Ins. Co. of Virginia*, 42 S. E. Rep. (N. C.) 543.—An insurance policy "for the benefit of" the wife of the insured, "the beneficiary," and providing for payment to his wife of an annuity for twenty years after his death, does not form part of the estate of the insured on his death, but belongs to the wife. *In re Duncombe's Estate*, 3 Ont. Law Rep. (Can.) 510.—Where a written application for a policy of life insurance is required and signed, and a policy is issued on it, the application and the policy constitute a written contract between the insured and the company; and, where a controversy arises as to what the contract is, such controversy is to be determined by the application and the policy. *Merchants' Life Ass'n vs Treat*, 98 Ill. App. 59.—A policyholder may readily misunderstand the true condition of his insurance, and, unless he has misled the company to its injury, it cannot take advantage of and insist on his acknowledgment of a forfeiture made in ignorance of the true condition of affairs. *Columbus Mut. Life Ass'n vs. Hanrahan*, 98 Ill. App. 22.

—Mr. A. R. Dearlove, the English expert engineer, who was associated with the construction of the Pacific cable, is on his way back to England. He states that the working speed of 100 letters a minute, attained in transmission on the Pacific cable, is, relatively speaking, very fast, and from ten to fifteen per cent. better than expected. The cable is in first-class shape, and he is well satisfied with it. It will be open for service messages on December 8th. Asked what he thought in regard to Signor Marconi's discoveries, he believed it would be a great many years before the wireless system would interfere to any extent with commercial cable business. "In the transmission of messages," he observed, "three things are indispensable, accuracy, secrecy and rapidity. Mr. Marconi, so far as I am aware, has not succeeded in any one of these essentials as yet. In some of the Atlantic cables a rapidity of 450 letters a minute is secured in transmission, which is about eleven times faster than that of any Marconigrams sent across the Atlantic."—A communication from Henry Ries & Co. of East London, South Africa, to Mr. W. W. Moore of the Department of Agriculture, contains the following: "With reference to the general state of the market here, we anticipate a pretty excellent crop of forage, and expect

LATEST DESIGNS.

LIGHT, FLEXIBLE, AND DURABLE.

W. T. Scannell & Co.



CHARLES STREET, LEICESTER
ENGLAND.

Wholesale Export Manufacturers of

Medium & Better Class
LADIES' BOOTS & SHOES.

GOODYEAR WELTED AND M.S.

HIGHEST WORKMANSHIP.

in about three months' time forage will be selling at three shilling to five shillings per hundred pounds. So that unless something very unusual occurs there will be no business in horse feeds from your part of the world. We intend to open a cold-storage and shall require supplies of dairy produce."

—The plans of the proposed new park, as suggested by the Ottawa Improvement Commission, was filed with the Government some days ago. It is proposed, says an Ottawa letter, to take in the Rideau Hall grounds, comprising 82 acres; the Rockliffe rifle ranges, 379 acres; Beechwood Cemetery, about 200 acres, and to purchase in rear of the Government House grounds and around Rockliffe, about 150 additional acres. Options have already been secured on nearly all the property which it is intended to include. The total acreage of the national park will be over 300, and the most of it is nicely wooded. Several new roads and drives are shown on the plan. Back of Rockliffe there will likely be a mile speedway and large athletic grounds suitable for all kinds of sports. In the proposed addition is a fine beech grove. The park will extend to the shores of Hemlock Lake, and should the Militia Department decide to purchase more land on the city side of Cockliffe range, an immense parade ground, where 50,000 soldiers could be reviewed, is shown. In the laying out of all the property a systematic and harmonious scheme has been adopted. There will be two fine entrances to Beechwood Cemetery, while a new driveway through Rideau Hall grounds is contemplated by the extension of Union Street. Springfield Road will also be extended, and the entire work will be carried out on a scale that will make the National Park of Canada second to none on the continent.

—The Minister of Agriculture has arranged to have Mr. Hay, formerly of the Experimental Farm, permanently affiliated with the new exhibition branch of his department, as an expert for installing Canada's exhibits at the different world's fairs, his whole time to be devoted to such work in future. Mr. Hay was identified with the designing and arranging in position of Canada's displays at the international expositions at Chicago, Omaha, Paris, Glasgow, Wolverhampton and Cork, as well as putting in place the exhibits the Experimental Farm has made at numerous smaller fairs in this country. His most recent work of note was in decorating the Canadian arch erected in London at the coronation of King Edward. He will be succeeded as accountant at the farm by Mr. W. M. Cramp, assistant accountant. A presentation was made to Mr. Hay by his colleagues at the farm on his retirement from the position of accountant.

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.

—The export cattle trade of the present season has been very satisfactory. The total expenditure of the live stock trade for 1902 amounts to \$7,120,073, a decrease of \$490,713 compared with that of a year ago, but this shrinkage in value is accounted for in the following items, viz.: lower freight rates, very light shipments of horses, and a decrease in the export of sheep. The total exports were 77,193 head of cattle, 45,831 head of sheep and 548 head of horses, which shows an increase of 3,402 head of cattle, a decrease of 8,107 sheep and 6,838 horses, as compared with the numbers of 1901. The average price paid for cattle at country points throughout the season was \$70 per head, an advance of \$5 per head over the average figure paid a year ago, and shows that the farmers have received the sum of \$5,403,501, besides \$329,155 for their sheep and \$99,280 for horses. The quantity of hay and grain consumed on the voyages amounted in value to \$192,500, which shows the importance of the live stock trade to the country at large, and also the interest farmers should take in raising live stock, and the harvest they reap by fattening their stock before marketing. Apart from this, exporters generally state that the season on the whole has been a very satisfactory one, which means that most of them, if not all, have made money. Prices in all the foreign markets have ruled higher than a year ago, in fact, they have been the highest for many years past, and some in the trade say it

is a question if they will ever realize 16¼ cents for Canadian cattle again.

—Senator Hale, says a Washington letter, who was interviewed after a recent talk with President Roosevelt, said:—"The Dingley act has given the people of the United States more revenue, more business, more trade, and more prosperity than any bill ever enacted. The people understand this, and the late elections show that, with certain exceptions, entire content exists under present conditions. It would be the height of folly now to try to disturb these conditions. The free traders, including almost all the Democratic leaders, and the uneasy, weak-kneed Republicans who are howling for revision and reciprocity, would do well to take notice of what will happen provided they get their way. It is absolutely safe to say that no tariff revision can take place except at the end of a long session, after a bitter and protracted fight, which, in itself, will disturb nearly all and destroy some of our institutions. Unless the Republican party has lost heart and faith in its fundamental policies there will be no meddling with and no emasculation of the present tariff, whether under the guise of reciprocity or reform. In the long future if a general revision is demanded the Republican party will not be afraid to undertake it."

BRADSHAW & PAYNE,

Boot and Shoe Manufacturers,

MAKERS OF THE

Waverley Brand of Boots and Shoes in all Varieties,

181, Humberstone Road,

Leicester, England,

Special prices under the New Tariff.



The other Cut will be inserted when received.

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.

-A special report was recently issued by the San Jose Scale Commissioners with regard to their operations against this microbe pest, which appear to have been eminently successful. The report sets out that the disease is capable of two methods of treatment, one for summer and the other for winter. The summer medication is intended to prevent the rapid spread of the scale during fruit and foliage season, while the winter operations are very drastic. Several experiments were tried in both seasons. The best summer results were obtained by thorough spraying with an emulsion of one part of kerosene oil with six parts of water, emulsified with whale oil soap. The severe winter treatment is intended to completely eradicate the scale. Six methods were experimented with by the commissioners. Most surprisingly good results were obtained, however, by very thorough spraying with a mixture of 30 pounds of lime and 15 pounds of sulphur, in sufficient water to make a total of thirty gallons.

-It is reported that a beet sugar factory will shortly be started at Peterboro', Ont. A party of about forty members of the City and Town Council, and of the Board of Trade went to Berlin, Ont., recently to inspect the plant lately completed there. Among those in the party were:

Mayor Denne, Ald. H. Rush, Betton, Clinskill, Wm. Collins, and City Solicitor E. H. D. Hall, Messrs. T. G. Eastland, warden of the country; W. Anderson, M.P., G. W. Fitzgerald, ex-warden; County Councillors P. Costello, R. Shaw, J. B. Pearce, Dr. Jeffs, W. H. Gainland, E. A. Beck, R. R. Ward, Wm. Gallon, County Engineer J. E. Belcher, J. H. Smith, reeve of Ashburnham; John Carnegie, of the Board of Trade; President T. C. Bradburn, of the Board of Trade; L. H. Charles, John J. Lundy, and others. President Bradburn, of the Board of Trade, is head of the proposed company. They will locate in the city, and, later on, ask for aid from the city and county. The new project is particularly interesting to the farmers in the district.

-A Walkerton, Ont., letter of the 1st instant, reads: The convention of the Ontario Fruit Growers' Association, which began to-day, promises to be exceptionally interesting. The attendance is large and the addresses have been listened to with absorbed interest. The reports of the President and the Secretary show a growing membership and a widening field of usefulness for the association. A feature of the gathering is the presence of a large number of the superintendents of the Ontario Fruit Experiment Stations, who have brought with them many samples of fruit, which show the results achieved under the conditions of the several localities. There is also a large collec-

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.,

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SPECIALITY:

Children's Shoes,

24a Queen Street,

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We supply our shoes 33 1/3 p.c. less,

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Jackson & Pochin,

Star Works,
LEICESTER, England.

Patent Specialities in

Boot Machinery, &c.



Cable Address: "STAR," Leicester.

tion of excellent fruit brought by Mr. R. M. Palmer of British Columbia, showing the fertility of that Province in this direction. The convention will last until Wednesday afternoon. This afternoon was occupied with a directors' meeting, at which the report of the Secretary, Mr. George C. Creelman, was presented.

—The Dominion Fruit Inspectors express themselves as well satisfied with the result of their work in the last two seasons, and report a decided improvement in every particular. In the beginning of last season no less than 62 marks were used as designations of grade. Fictitious names were used instead of those of the real shippers. In

many cases the packages were faced with fine, attractive fruit, while the body of the package often contained absolute trash. In the season just closing the grade marks have narrowed down to practically three—XXX for best quality, XX for second quality, and X for third quality. The law, also, compels shippers to brand packages with their own names. The highly faced, or fraudulently packed barrel, is now rarely found and in this particular the Fruit Marks Act has scored its greatest success. The consumer can now count on getting an honest package.

—It is now settled that a Fat Stock and Dairy Show and auction sale of stock will be held in Ottawa next winter. Hon. John Dryden, Provincial Minister of Agriculture, has written Mr. H. R. Cowan, Secretary of the Live Stock Associations, approving of the use of the Ottawa Forwarding Company's building at the canal basin for the purposes of the Exhibition.—It is said that the Canada Life will erect a new building for their branch in Ottawa.

—It is announced by a London paper that the British-American Tobacco Company, with a capital of £6,000,000, will make London its headquarters for the control of the export trade of the world. This new combine is the outcome of the struggle between the British and American

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.

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—Locke, Lancaster—

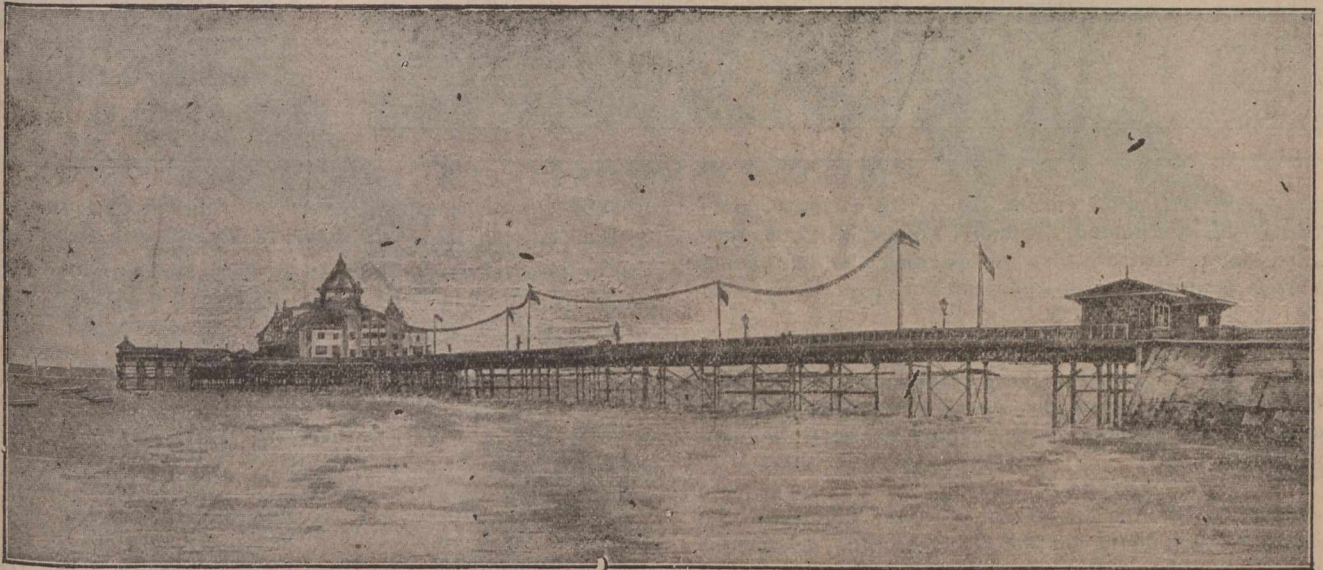
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WIDNES,

Lancashire, - - England.

tobacco trusts. J. B. Duke is chairman, and there are six other American directors. There are eleven Englishmen on the directorate.

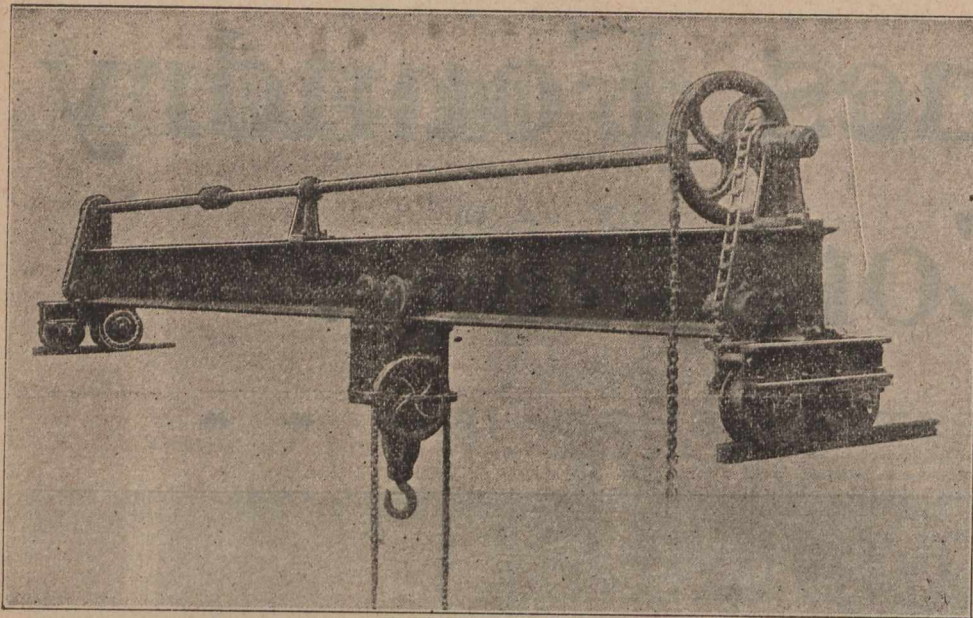
—The operations of the Intercolonial Railway for the fiscal year ending June 30 show financial improvement. The total earnings, we are informed from Ottawa, amounted to \$5,671,385, and the working expenses to \$5,574,563, showing a profit of \$96,822. The earnings as compared with the previous year increased by \$699,150, while the expenditure advanced by only \$114,141.

—Toronto Junction is to have a third bank. The Bank of British North America has, we are informed, purchased a ten years' lease of the store in course of erection by James C. Willard on Dundas street, near the site bought by the Government for the new postoffice building. It will be fitted up suitably for the bank's requirements and will be opened up as soon as finished.

—It is expected that an application will be presented at the coming session of the Legislature for an electric railway to run between Lac Seul and the Mikado mine, in the vicinity of Rat Portage, passing through Keewatin, Norman and Rat Portage. It is also stated that the promoters will undertake to place a stated number of settlers in the area to be opened up.

—The newspapers, planters and merchants of Jamaica are joining in an agitation, with the view of inducing the Government to open negotiations with Washington for a reciprocity treaty along lines likely to meet with the approval of the United States. It is felt that the full advantage of the abolition of the sugar bounties will be lost unless some such treaty is forthcoming.

—A Berlin cable states that it has been proposed that an international cotton conference be held in that city,



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Crabs.**

**SHEAVE BLOCKS.
PULLEY BLOCKS.**

**The Steel Rope
Pulley-Block Co
LIMITED.**

**Washford Road,
SHEFFIELD, Eng.**

having for its object the encouragement of cotton production in Africa by England, Germany, France, Belgium, Russia, and Holland, with a view to lessening the dependence of Europe upon the North American cotton production.

—The Postmaster-General has been advised that a flat rate of 22 cents a word has been established by the Pacific Cable Board for press messages between any point in Canada and any point in New Zealand or Australia, and vice versa.

—Owing to the success of the steamer Columbia, the Anchor Line will build another trans-Atlantic steamer of 10,000 tons burthen. It is expected that the new vessel will be ready for the service in 1904.

—At an auction sale of several parcels of Dominion Government lands located outside of Winnipeg City limits recently, one parcel of 25 acres sold for \$240 per acre, 67 acres for \$146 and 95 acres for \$92 per acre.

—From Chatham, Ont., we learn that the Wallaceburg beet sugar factory shipped recently a train load of sugar, consisting of 25 cars, to the North-West. This is the first large shipment from the new factory.

—A Kingston, Ont., letter states that the Wilbur Iron Mine at Levant, on the line of the Kingston and Pembroke Railway, has been sold by W. C. Caldwell, M.P.P., to a United States company. It will be worked at once.

—The Trunk Line Association has satisfied the Board of Trade by adding three grades for Canadian grain.

—One dollar United States silver certificates, raised to \$10, are reported in circulation in Hamilton.

—The Sturgeon Falls Pulp & Paper Co. has been granted permission to dam Lake Tamagami.

—Cairo advices state that a commercial treaty between France and Egypt has been signed.

FINANCIAL.

Montreal, Thursday evening, Dec. 4, 1902.

The "Grand Trunk Pacific Railway" scheme has assumed no new phase since last week, nor has anything definite been made public regarding its financial basis. Mr. Hays has declared that assistance will be sought from the Federal Government, but that was so inevitable as to be no news. To any money subsidy or guarantee of bonds there will be strong opposition, though it is probable that the

promoters have secured, or soon will obtain the support of the Government. The estimate of the City Surveyor calling for over two millions to be spent in street improvements next year would be alarming if it were likely to cause such an outlay, but it is not, and Mr. Barlow will have to be content with a payment of one-fourth on account next year. The Home Saving & Loan Company is to be changed into a chartered bank. Its capital is \$2,000,000, with 10 per cent. paid up, and reserve fund the same amount, \$200,000. As a loan company it can only receive a fixed amount of deposits, which limit it has nearly reached, but when organized as a bank it can receive an unlimited amount of deposits. Toronto will soon have two banks, whose general managers have been wholly without banking experience. But their business will chiefly consist of advances upon stocks, bonds and other securities, which is a class of business that requires no banking experience, but the anomaly is there nevertheless. The President's message has had no effect, good or bad, on the money market. The New York banks are parting with large amounts to the Sub-Treasury and by transfer to San Francisco. Gold is also spoken of as going out to Rio de Janeiro, which is to cover London engagements in South America. The London market is easier, and the lessening demands for gold are restoring confidence in the bank rate being kept from rising. In New York call money has gone up again, 7 per cent. being the basis. Consols are 92 9-16c.

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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.



The Brockville & Westport Railway will be sold by auction and is likely to fall into the hands of Americans. The local stock market is very quiet to-day, indeed, all the week it has been sluggish. Sales to-day have been: Pacific, 128 1/2; Dominion Iron, 54 1/2; Power, 89-90; Dom. Cotton, 53; Nova Scotia, 102 1/4; Twin City, 116-117; Bank of Montreal, 268; Union Bank, 126. For Dominion Coal, 128 1/2 is asked, and preferred, 120; Molsons, 216. All railways, steam and electric, continue to show marked increases. Money in London is 2 1/2 to 3. In New York, 6 1/2, but some loans have been made at 4 and some at 7. Paris, exchange on London, 25f 15 1/2c; Berlin, 20m 46 1/2pf. Local foreign exchange, 60's, 9; demand, 9 13-16. For call loans 7 per cent. has been charged, but 6 per cent. continues the standard. There is a somewhat easier market.

The following is a comparative table of stocks for week ending Dec. 4, supplied by Chas. Meredith & Co., Stock Brokers, Montreal:

Banks.	Shares.	Average same date	
		sold.	Hig'st. Low'st. 1901.
Montreal..	40	273 1/2	268 260
Molsons..	20	215	215 206 3/4
Merchants..	17	160	160 153
Commerce..	2	158	158 ...
Union..	31	126	126 ...
Quebec..	2	117	117 ...
Miscellaneous.			
Canadian Pacific Railway Co..	5412	130	127 5/8 114 1/8
Ditto. new....	25	128	128 ...
Toledo Railway..	1770	33	30 ...
Montreal Power Co....	5963	94	88 3/4 94 1/2
Toronto Street Railway xd ..	230	117	114 1/2 116 1/2
Halifax Street Railway..	24	104 1/2	103 1/2 101
St. John Street Railway..	75	130	130 111
Twin City Transit..	465	117	116 107 1/2
Richelieu & Ont. Nav. Co..	488	95	94 1/4 112
Commercial Cable..	205	176	175 184
Montreal Telegraph..	1	163 3/4	163 3/4 173
Montreal Cotton..	27	126	124 113 1/2
Dominion Cotton..	25	53	53 49
Payne..	3750	11	10 13

Dom. Coal, common....	1915	129	126	47
Do. pref..	166	119	117	119
Ogilvie pref'd..	30	131 1/2	131	...
N. W. Land..	250	201	201	...
Detroit United Elec. Ry..	1187	86 1/2	85	...
Dominion Iron & Steel, com...	3230	56 5/8	53 1/4	27 1/2
Ditto. pfd..	314	96 1/4	95	81 1/4
Nova Scotia..	175	102 1/2	101 1/4	...

Bonds.

Commercial Cable, coup..	3000	98	98	98
Can. Col. Cotton..	9000	100 1/2	100	98
Dom. Iron & Steel..	37000	89 3/4	89	82 1/2

—Ottawa Clearing House.—Total for week ending Nov. 27, 1902: Clearings, \$1,733,501.81; balances, \$409,054.14; corresponding week last year, clearings, \$1,369,569.94; balances, \$356,028.34.

—London Clearing House.—Total for week ending Nov. 27, 1902: Clearings, \$833,613; balances, \$154,039.

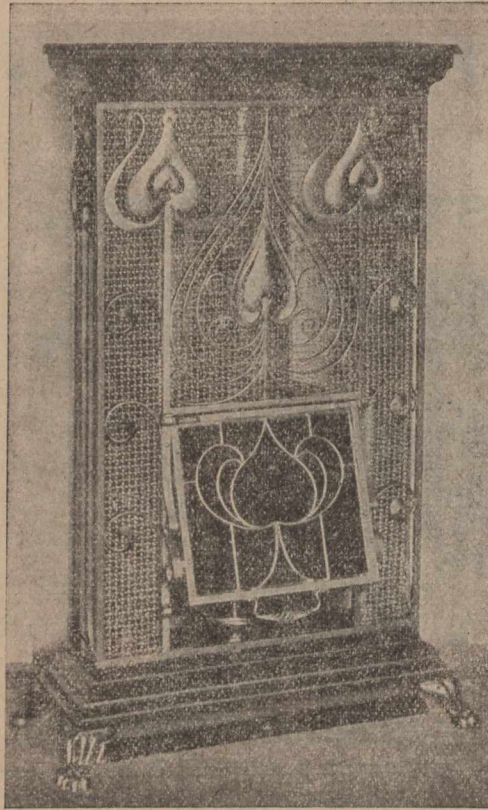
MONTREAL WHOLESALE MARKETS.

Thursday Evening, Dec. 4, 1902.

With the arrival of genuine winter weather, trade conditions have improved and retailers are reaping the first returns that accompany the advent of sleighing. After a season of steady employment, trade is expected to show unusual activity with the maximum of profit to all. Coming so close to the Holiday season, changes in prices are not usually in order, as most firms are busy with taking account of stock. With the close of navigation export trade has dwindled down prior to arrangements being made for shipment from other ports. Sugars are lower. Flour and feed are steady. Hardware and leather are quiet. A heavy trade is being done in frozen fresh fish shipped from the West. Few failures are recorded.

BUTTER.—There was a very quiet market through the week, with considerably less than the usual amount of business passing. This is accounted for through navigation just closing, and exporters not having made the

Telegrams: "WARMNESS, London."



C 8. Inclusive Price, £12 12 0

'LUX-CALOR'

Ritchie's Patent
Condensing Gas Stove.

No Flue Required.

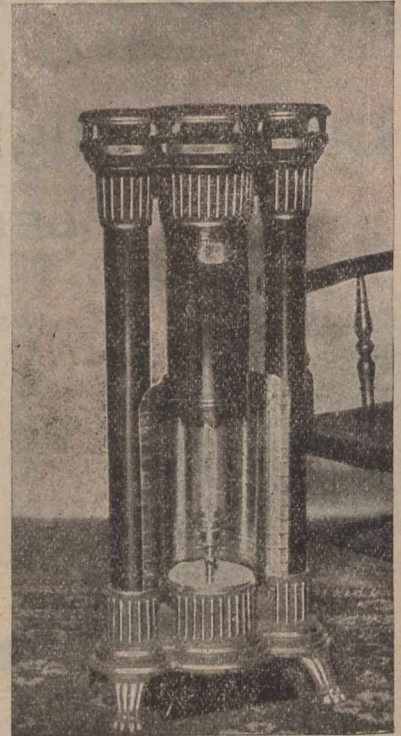
Supplied to His Majesty the King at Buckingham Palace; The Bank of England; the Mansion House; the Guildhall; the Society of Arts; the Royal Observatory, Greenwich; the London County Council; the Metropolitan Fire Brigade; the Stock Exchange; "The Lancet" Office; and the principal Gas Companies of the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

.. RITCHIE & CO..

Contractors to the
London Gas Companies.

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

Special prices to Canadians under the New
Tariff, 33½ p.c. in favour of Canada.



D 3. Inclusive Price, £4 5

necessary arrangements for shipping from other ports. Still, there is a decidedly easier feeling noticeable, and buyers appear to be holding off. Choicest creamery is offering at 21½c to 22c, but is difficult to sell at over 20 to 20½c. Choicest dairy meets with good sale at 17 to 18c; fresh rolls, 17 to 17½c.

CHEESE.—The market is still quiet and business passing is light. At country points the market is reported ½ to ¾c lower, although the bulk of the cheese stored here has cost ¼ to ½c higher. It looks as though we will have a quiet market till after the turn of the year, when it is expected some improvement may take place.

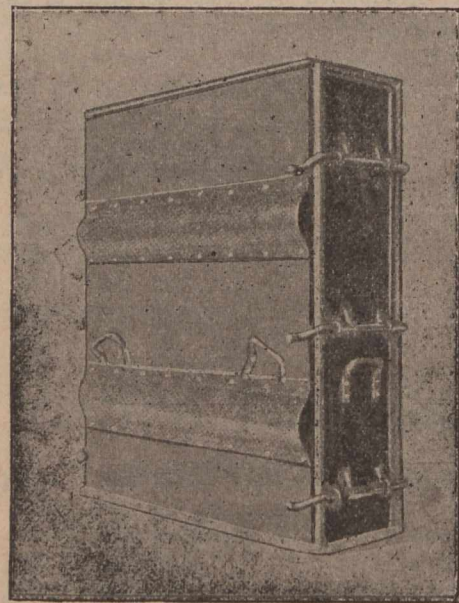
DRESSED POULTRY AND GAME.—The market is strong, with a good demand passing. All kinds are selling well. Turkeys bring 11½c to 12c lb.; ducks, 10½ to 11c; geese, 7 to 8c lb.; fowls, 7 to 8c lb.; chickens, 9 to 11c lb. Part-ridges, 80 to 90c pair; venison is lower at 5 to 6c lb. in carcass.

EGGS.—The market is quiet. Demand is much lighter and prices are somewhat heavy. Fall fresh are offered at 20 to 22c; selected, 23 to 24c. Stocks are still large and the outlook is not favorable for higher prices ruling.

FISH.—The presence of Advent has caused additional stir in this market, and all kinds are selling well. Prices hold steady. Fresh frozen salmon, halibut, dory, pike, etc., are now being received from the West in good quantities, and as demand equals receipts prices show little change.

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

Saddlery, Harness and Horse Clothing

UP-TO-DATE

MANUFACTURED IN LONDON BY

W. Jenkinson & Company,

ON THEIR OWN PREMISES AT

Albion Hall, White Street, Moorfields, LONDON, E.C., Eng.

Saddlers' Ironmongery.

Best Quality and Styles.

Quick Delivery Guaranteed.

Cash with Orders. Bankers: Bank of England.

Lists Posted on Application.

These Saddlery and Harness are made by hand, for Canadians under the New Tariff, 33½ p.c. in their favour.

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.

A good trade is expected in this line for the next few weeks. 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, barrels, \$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, 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 cwt.; \$5.00 per cwt.; skinless cod in cases \$5.00 per case.

FLOUR AND FEED.—The close of navigation, while barring out considerable area, has left sufficient to keep local millers quite busy, and a good demand for both flour and feed is reported. Corn meal is 5c per bag lower, this being the only change for the week. Quotations in prices current on another page. Baled hay is in good demand. 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, 73c, and No. 1 northern at 71c, afloat Fort William, for delivery, first half December.

GREEN FRUITS, ETC.—The Xmas holidays have given this market an air of verdure, which proves quite a contrast to the young winter, for at every fruit commission house is displayed crates and bundles of holly and evergreens, the latter being quoted at \$2.50 per bale. Prices are fully sustained in all lines. 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,

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.

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 in barrels, \$2.00 per bbl. yellow Denvers in barrels, \$2; bbls. apples, \$2 to \$3.00; extra Spy apples, \$4.50 per barrel; extra russets, Baldwins and Greenings, \$3.50; choice Spies, Baldwins, Greenings, \$2.75; all varieties of fall apples, \$2 to \$2.25; 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; cocoanuts, new stock, \$3.50 per bag.

GREEN HIDES.—An advance of 5c in lambskins is the only feature of the market. Otherwise prices hold steady on the basis of 8c for No. 1. There is, however, more business this season than was shown a year ago.

GROCERIES.—There is a decline of 10c per 100 lbs. in all sugars, except "Phoenix" yellow, which remains at \$3.70. United States refiners advanced prices 10c this week, so that prices here are comparatively low. Other groceries are in good demand, as usual at this season, and prices are unchanged.

HARDWARE.—After a season of unusual activity the rush is finally over and stock taking is now the order of the day. Values have not changed since last report.

LEATHER AND SHOES.—The situation is unchanged from last report. English manufacturers continue to look for steady supplies, while local needs are small for the present, owing to stocktaking, etc., which will bring buying into small compass till after the turn of the year. Prices are steady.

OILS, CHEMICALS AND PAINTS.—The situation is quiet and values devoid of change. Wholesale firms are taking account of stock and do not look for much business before the turn of the year. Quotations will be found on another page.

PROVISIONS.—The advent of winter weather has stimulated trade, more particularly in fresh killed hogs, which are in better demand. Prices here held very steady throughout the week, no change being apparent in any line. Fresh killed hogs, abattoir dressed, are worth \$8.50 per 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 11¾c; choice refined compound lard, 9c to 9½c; Boar's

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,
33½ 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. .

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. 3.—Provisions were higher, January products being up from 5 to 7½c at the close. Future quotations: Pork, January, \$16.00; May, \$15.12½. Lard, December, \$10.22½; January, \$9.62½; May, \$8.87½ to \$8.90; Ribs, January, \$8.20; May, \$9.02½ to \$9.05. Cash quotations closed:—Mess pork, \$16.62½ to \$16.75; lard, \$10.67½ to \$10.70; short ribs, sides, loose, \$8.75 to \$9; dry salted shoulders, \$8.87½ to \$9; short clear sides, \$8.75 to \$9. Liverpool, Dec. 3.—Hams, short cut, quiet, 45s. Bacon, Cumberland cut, dull, 48s; long clear middles, light, quiet, 55s 6d; long clear middles, heavy, easy, 54s 6d; short clear backs, quiet, 57s.

Shoulders, square, dull, 47s 6d. Lard, American refined, in pails, steady, 59s. Tallow, prime city, firm, 28s.

Wool.—The advance of 5 to 10 per cent. on fine wools and of 15 to 20 per cent. on crossbreds at the opening of the present series of London auctions has been fully maintained throughout. The series closes to-morrow, with comparatively little to hold over. Local dealers are getting a little better prices for wool, but sales are limited. There has been, however, considerable inquiry and the fact that very little wool is held by manufacturers at this quiet season indicates more activity in the near future. Cape wool is worth 17½c to 18c; B. A.'s, 32½c to 40c.

C. G. ALLEN & SON, **70 OXFORD STREET, LEICESTER, ENG.**
 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 33½ p.c., in their favour.

Out will be inserted next week.

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		
Oleine	Camphor	Cyanides		
Stearine	Mercurials			
Glycerine				

COMMISSION MERCHANTS. IMPORTERS-EXPORTERS.

FUERST BROS.

17 PHILPOT LANE, LONDON, E.C., England. (ONLY ADDRESS)

HEADQUARTERS

for all Heavy
or Fine Chemicals, Drugs, Oils, Essences,
Pharmaceuticals, Drysalteries, and Produce.

Samples and Prices on Application.
Telegrams:—"FUERST. London." Telephone No. 1050.

Correspondence Solicited.

THE "LUX-CALOR."

RITCHIE'S PATENT CONDENSING GAS STOVE.

Additional interest has been aroused of late in the various economical methods 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 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., 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 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, 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.

Analysis of condensed products.—"The products ensuing from the automatic system of condensation in these

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—
DICO, "LONDON."]

Telephone
No. 4168 Av.]

DICK'S "Imperial" Anti-Fouling Composition.

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.

F. F. FINNIS, FISHER & CO. F. F. BRAND. BRAND.

Hams, Bacon, Bottled Fruits,
Pickles, Sauces, Jams, Etc.,

Manufactured by **Finnis, Fisher & Co.,** (Established in 1821),

Export Provision Merchants.
Contractors to His Majesty's Government.

Telegraphic Address: "FINIS LONDON."

Manufactory and Warehouse:

8 Broad Street, Ratcliff, - London, England.

Counting House:

1 Billiter Avenue, - London, E. C., England.

PRICE LISTS ON APPLICATION.

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 double 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

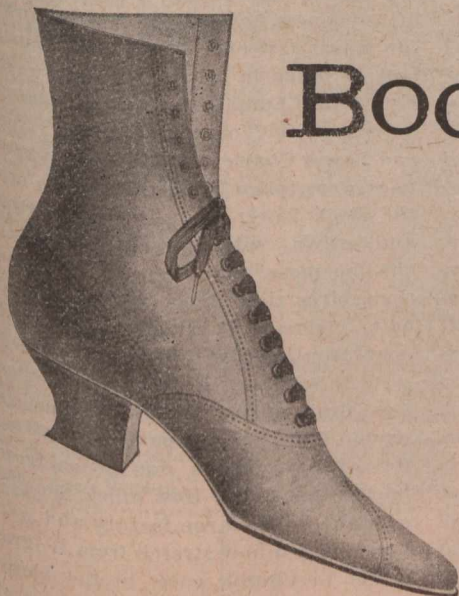
A. W. SIMPSON & CO.,

WHOLESALE

Boot and Shoe Manufacturers,

Millstone Lane

Leicester,
England.



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

CRANES OF ALL TYPES & POWERS

ARE OUR SPECIALITY,

AND THEY COMBINE :

Good Design.

Best Workmanship,

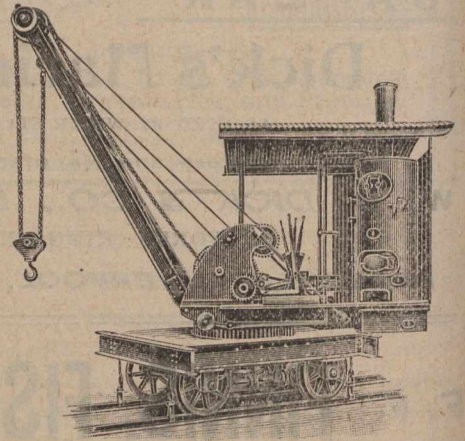
Great Capacity,

Ease in Handling and

Low Wear and Tear.

THE RESULT OF MORE THAN

40 Years' Experience in Crane Building.



JESSOP & APPLEBY BROS. (LEICESTER & LONDON) LTD.

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

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

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 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.

W. & E. TURNER, LIMITED.

In a neat little illustrated booklet before us, entitled "The 'Hackett' Boots and Shoes," we find the following:—

We have learned of late years that comfort in our garments, and more especially in our footwear, is the first essential to elegance.

If an effort is made to make the foot fit a shoe of empirical shape, instead of the shoe being shaped on anatomical principles, to fit the foot, it is done, not only at the expense of comfort, but it also makes graceful movement and carriage impossible.

This error still holds very largely, and a large number of "fashionable"

and well made boots are still sold which distort the foot and cripple the wearer.

The Dr. Hackett's Sanitary Boot here illustrated is shaped on the lines of the foot, giving free play to the bones and muscles of the human mechanism. A most essential feature of a perfect foot covering is that it is waterproof, as the wearer's general health is more vulnerable through liability to damp feet. This is provided for in a very effective way by a waterproof solution being laid between the outer and inner soles.

The Dr. Hackett Sanitary Boot is made throughout of carefully selected materials by most approved methods, in all sizes and fittings for ladies' and gentlemen's wear.—Half "the ills that flesh is heir to" can be traced to colds.—Keep the feet dry and so avoid colds! The "Hackett" boot is made in Ladies' gentlemen's and children's. Bespoke orders have special attention.

The "Hackett" boot referred to is also termed "The Sanitary Boot," having earned that title through the merits of its construction. It is so built as to be thoroughly waterproof, having a special waterproof composition inner or second sole. All the stock manufactured by Messrs. W. & E. Turner is made with special reference to wearing qualities combined with easy fitting. A finished boot may be well finished, yet lacking in the finish that ensures it against the knocks and walks which it is to encounter. But the boots made by this old-established firm are made to resist all that a pair

of the very best boots can succeed in doing.

The large reduction in the Canadian duty on English goods is a strong incentive for a heavy increase in our trade with Great Britain, and all dealers in shoes should correspond with Messrs. W. & E. Turner, and become acquainted with their styles and prices.

In a recent issue of the Leicester, Eng., Guardian, we find the following reference to this well-known firm:—

An old-established Firm.—One of the oldest shoe firms in Leicester is the one which is conducted under the trade name of Messrs. W. and E. Turner. It was somewhere about the fourth or fifth business house formed in the town for making riveted boots. At first it had its home in a little bit of a warehouse in Church-gate, afterwards removing to the corner of Halford street and Lower Charles street. Finally, premises were taken in Belgrave-gate, near the Clock Tower, and these have grown and grown, with the development of the business, till they have pushed themselves right through into Church-gate, where a warehouse with a fine open frontage has now been erected.

Its Development.—When the business was first started by the father and uncle of the present partners, the capital of the concern was probably not more than £200. How much money is at stake in the large factory and warehouse which now stretch from B Igrave street to Church gate, in the factory for men's boots at Desborough, in the warehouses at Cardiff, London, and Manchester, and in the 120 retail shops

BROWETT LINDLEY & CO. LTD.

Patricroft, Manchester England.

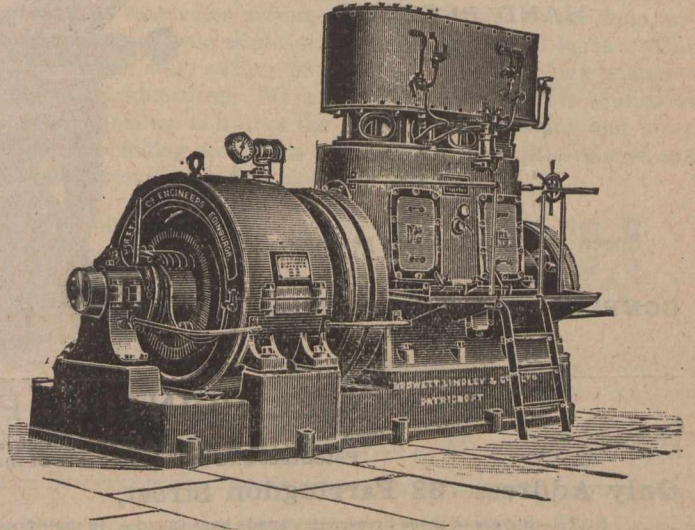
Manufacturers of High-Speed,
Enclosed Type,

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 4 bid.	Cash value per S.
British North Am.....	243	4,866,666	4,866,666	1,776,333	3	Apl. Oct	136	830 48
Can. Bank of Commerce	50	8,000,000	8,000,000	2,000,000	3 1/2	June Dec	105	75 50
Commercial, Windsor..	40	500,000	350,000	60,000	3	.....	344	122 00
Dominion	50	2,500,000	2,500,000	2,500,000	2 1/2	May	161	80 50
Eastern Townships.....	50	2,000,000	1,742,535	1,200,000	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	23 1/2	232 50
Hochelaga	100	2,000,000	1,981,000	950,000	3 1/2	June Dec	134	134 00
Imperial	100	2,868,000	2,868,932	2,438,595	5	June Dec	240	340 00
Merchants' Can.....	100	6,000,000	6,000,000	2,600,000	3 1/2	June Dec	159	157 50
Molson	50	2,500,000	2,500,000	2,150,000	4 1/2	Oct April	215	107 00
Montreal	200	12,000,000	12,000,000	8,000,000	5	June Dec	255	510 00
Nationale	30	1,489,700	1,430,550	850,000	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	50 00
Ontario.....	100	1,400,000	1,400,000	425,000	2 1/2	June Dec	130	130 00
Ottawa	100	2,000,000	2,000,000	1,765,000	4 1/2	June Dec	225	2.5 00
People's of N. B.....	150	180,000	180,000	155,000	4	.....	250	375 00
Provincial.....	25	873,487	781,248	.....	3	June Dec	155	155 00
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	1,200,000	1,031,000	190,000	.....	.....	.....	.....
St. Stephen's.....	100	200,000	200,000	45,000	2 1/2	April .....	.....	.....
Standard	50	1,000,000	1,000,000	350,000	5	April Oct	246	123 00
Toronto	100	2,500,000	2,499,000	2,699,000	5	June Dec	253	353 00
Traders	100	1,350,000	1,350,000	350,000	3	June Dec	125	125 00
Union (Halifax).....	50	1,000,000	1,000,000	505,606	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	2 1/2	Apr Oct	140	140 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 *	160	162 00
Brit. Can. Loan & Inv. Co.....	100	1,937,900	398,481	120,000	2 1/2	Jan July	.....	.....
Brit. Mortg. Loan Co.....	100	450,000	389,214	130,000	3	Jan July	128	128 00
Can. Colored Cot. Mills Co.....	100	2,700,000	2,700,000	.....	.....	Jan *	50	50 00
Can. Landed & Nat'l Inv't Co.....	100	2,008,000	1,004,000	350,000	.....	Jan July	108	108 00
Can. Per. & W. Can. M. Corpn.	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	250,000	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	934,200	40,000	2	July Dec	72	36 00
Dominion Telegraph Co.....	50	1,000,000	1,000,000	.....	1 1/2	Jan *	124	82 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 70
Imperial Loan and Inv. Co.....	100	839,851	734,590	174,200	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
Manitoba & 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	164	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. *	279 1/2	140 50
Montreal Cotton Co.....	100	1,400,000	1,400,000	600,000	4	Mch. *	125	125 00
Merchants Cot. Co.....	100	1,250,000	1,250,000	.....	4	Feb. Aug	85	85 00
Montreal Loan & Mortg.....	25	500,000	500,000	360,000	3 1/2 & 1	Mch Sep	137 1/2	34 50
Ont. Indus. L. and Inv.....	100	373,000	271,993	150,000	3	Jan July	.....	.....
Ont. Loan and Deb. Co.....	50	2,000,000	1,200,000	580,000	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	163,355	3	May Nov	95	95 50
Mont. Heat, Light & Power Co.....	100	2,250,000	2,250,000	320,155	.....	Jan. *	94 1/2	94
Toronto Electric Light Co.....	100	2,000,000	2,000,000	.....	.....	Jan. *	100	154 00
Toronto Mortgage Co.....	50	1,120,880	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 .....	.....	.....	.....	.....	.....	.....	60	60 00

* Paying quarterly dividends.

which the firm has dotted about the country, it is impossible for the inexperienced journalist to determine, but no trifling amount of cash would keep this great concern going. The whole business is now in the hands of the two sons of Mr. W. Turner, and it is certain that Messrs. W. H. and G. C. Turner must, in the management they have succeeded to, find ample exercise for their energies.

On the site of the old Town Ditch.— There is a fine suite of offices in the Church gate section of the premises, and in a glass case in one of them Mr. G. C. Turner has a number of antiquities which were brought to light when the foundations of the warehouse were dug out. Some of them are British, some Roman, and some Saxon. They are chiefly specimens of earthenware, though they include bones, weapons, implements, etc. Mr. G. C. Turner, who is interested in archaeology, explains the fact that so many articles of varied periods were found on the site by remembering that the old town wall ran down Church-gate, and the old town ditch was outside it. Therefore it seems probable that the warehouse actually stands on the site of the ditch into which, through centuries, articles were tipped and thrown, and that the foundations of the building were dug down into this ditch.

To all Parts of the World.—When Mr. W. H. Turner, one of the present partners, was a young man he had not the best of health, and had to be sent on a sea voyage. The cause of the journey was unfortunate, but the result was good, in more than one way. It restored Mr. Turner's health, and it also enabled him to begin to do business with the colonies and to establish a large colonial trade. To-day the firm send goods to Australia, India, New Zealand, the West Indies, Newfoundland, Egypt, West Africa, and indeed into all the continents of the globe. Naturally to do this wide-spreading trade and meet the requirements of customers in so many parts

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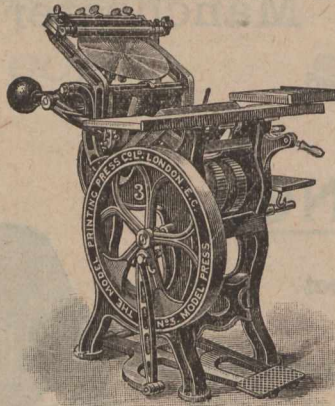
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of the world, the firm has to make a great many classes of boots, and as I strolled round the factory the other day I could not help commenting upon the almost infinite variety of the goods in the course of manufacture. "Yes," said my guide, "we are prepared to take an order from you for any one of 2,000 different sorts of boots or shoes."

The Warehouse.—My other visits to shoe factories have commenced with an introduction to the rooms where raw leather is stored. By way of variety I started this time with the finished boot, and spent the first part of my tour of inspection in admiring the neat rows of boxes piled up all over the floors of the large rooms of Messrs. Turner's Church-gate factory. These boxes all contain a pair of boots, and they are carefully classified into sorts and sizes so that those making up the orders which daily come in in large quantities can have no difficulty in finding just the type of boot and shoe they want. All sorts seemed to be in stock, from the tiniest child's shoe to enormous water-tight boots intended to cover almost the whole of a fisherman's leg and keep him dry and comfortable when wading in the water. In different parts of the building numerous workpeople were seen rubbing up the boots, making up orders, putting boxes of shoes into large packing cases, letting them down by steam cranes into the gateway below, and so on. Between the warehouse and the factory is a large carpenter's shop, in which the packing cases are made and mended.

All sorts of Leathers.—A strong pair of iron doors separates warehouse from factory, and minimizes the risk of fire. The doors also serve to shut off sound, for passing through them from the quiet of the warehouse, I at once became introduced to the whirr of machines, the thump-thump of presses and the clatter of lasting machines. My first visit was to the room where

the light leathers are stored. Here were all sorts of beautiful skins, some soft and flimsy for the lightest boots, and some stout and tough for hard wear. Messrs. W. and E. Turner are evidently able to cope with the demands of any change of fashion in foot-gear, for they seemed to have every variety of leather. I was shown some exceedingly pretty shades in greens, and browns, and other effective tints achieved by the dyers of leather.

Making "Uppers."—In the clicking room some of the stock recently abstracted from the above-described room was being cut up by skilful workmen by means of laying a pattern on the leather and cutting round it. The various pieces cut passed on into the machining rooms, where many girls fastened them together to make a complete "upper" ready for fixing to the sole. Those who have read previous articles will know the processes. The edges of the pieces of leather from the clicking room have to be bevelled by a skiving machine, so that they will not make a thick, clumsy joining. They are then sewn together by sewing ma-

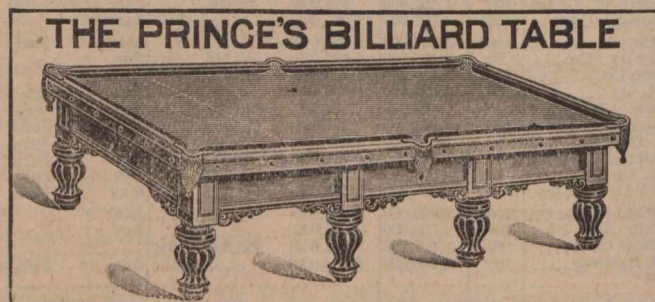
chines, button-holed by other machines, and so on, there being machines also for sewing on the buttons, ornamenting the toe-caps with punctures, eyeletting, and a number of other surprising processes, all of which, in the old days, used to be done by hand. Suffice it to say that the result of all this treatment by girls is a finished upper.

Cellars full of leather.—Descending to the cellars I was shown the commencement of the lower part of the boot, which is, of course, the tanned skins of some large animal like the ox or buffalo. These large cellars were full of such skins, from the very best butts down to the commonest American leathers. Some of the skins I saw here were not tanned; for the firm often buys large quantities of skins abroad and gets them tanned in England. Taken up from the cellars the large sheets of leather go to the press rooms, where shaped knives are placed on them and the press comes down with heavy weight so that the knife goes through the leather and cuts out a piece of the same shape as the

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As above No. 20, but for 7 by 5 or 1/2-plates..... £8 10 0
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knife. This shape is usually the shape of a sole. Other machines, however, stamp out heels, and so the lower part of the boot is prepared.

Fixing and Finishing the Sole.—There only remains to be done the fixing of the upper and lower parts of the boots together, and this is done in the last- ing room. Here the men were work- ing in teams. Some channelled the soles, which means that they made a slit in the leather all round the sole (it is in this slit that the stitching of top part to bottom part is done); oth- ers fastened the sole to the upper, others smoothed the channel down again, and so on. In other parts of the room pieces of leather were being fastened together into heels, the whole being pegged on afterwards to the sole. Having previously described the pro- cesses, I need not take space over them here. Neither need I enlarge upon the paring of the edges of the sole and heel to make them smooth, the sand-papering of the bottom of the boot or the staining and polishing of it, all of which are done in the finish-

ing room. All these processes were being carried on at Messrs. W. and E. Turner's, as at every other shoe manu- facturing place in this shoe manufac- turing town.

Up-to-date Machinery.—Though I have not described the machinery in the factory I am dealing with this week, it must be no means be taken for granted that there is any dearth of it, or that it is not up to the stan- dard of other places previously visited. Every one of the newest mechanical ways of making boots is to be seen in active operation at the Belgrave-gate factory. There is the Blake sewer, the Goodyear welter, the Magnetic and Consolidated laster, and indeed all the best of modern machinery, for this is an up-to-date firm in every way, and one which believes in being rather ahead of than behind the times.

Registered Brands.—Many people, buying a boot that suits them, like to get one of the same sort next time, and hence special types of boots are often registered under a certain name, even though they have nothing very

special or peculiar about their method of manufacture. Messrs. W. and E. Turner make a number of these distin- guished types of boots, amongst them being the "Stonewall," the "Snowdrop," the "Pioneer," and "Dr. Hackett's San- itary Boots." The last named two have a distinctive structure. In the "Pioneer" the soles have diamond- shaped cuts in them in various parts and nails with diamond-shaped heads are driven into the cuts so that their services may be flush with the leather, and the two, leather and nail, may wear away together. This gives the durability of the hob-nailed boot with- out its clumsiness. The "Sanitary Boot" is one which is specially made to keep out water.

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As underwear, in its various makes, kinds, weights and textures, is known

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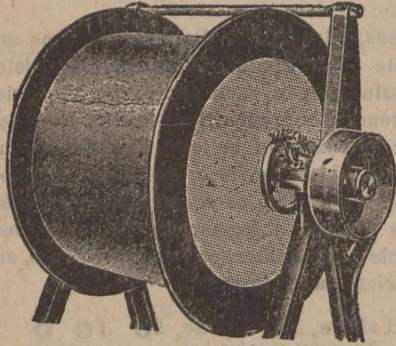
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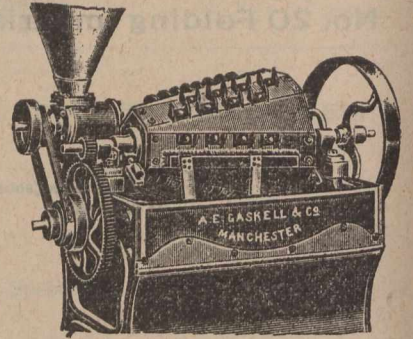
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to all who have grown old enough to understand its use, we cannot do better in reference to the merits of "Alpha" underwear than reproduce in part references and comments on this clothing, from a pamphlet before us. We may say, however, that the world is more guarded respecting health today than in any period of the past, and it is as fully a fact that as the years go by the public will be found taking better care of health, by wearing at all seasons and in all climates only the undergarments which are known to be conducive to health, and the best for warding off disease. It appears evident these have been found in the "Alpha" underwear.

Critical judges eminently satisfied:—

The First Step.—From the Greek "A" (Alpha) and "B" (Beta) come our work "Alphabet," and most languages start with or include these two letters. They are necessary to the proper development of intercourse, and form the basis of communication between all nations.

The importance of the initial "Alpha" cannot, therefore, be underestimated, and, being determined to secure just recognition of the pre-eminence of their particular productions, the manufacturers took a wise "First Step" in adopting the word "Alpha" as their trade mark, and applying it to the patent finish, or process, used exclusively by them in the manufacture of "Alpha" finish pure wool unshrinkable underclothing, which is not only

first in name, but also in quality of material and hygienic suitability in wear.

A knowledge of the simple rules of hygiene is of necessity the first step towards preserving health and promoting comfort. Nothing is more essential in this respect than a practical admission of the wisdom of wearing woollen underclothing as a means to sound health and physical comfort. But you must go further and assure yourself that the under-garments you wear are not only "woollen," but pure al-wool. If unshrinkable, so much the better.

A Step Further.—The spread of education generally tends to improved methods of living and working. The demand for better goods, whether comestibles or wearables, becomes more and more imperative every season.

It is a noteworthy fact, also making for better conditions of life and environment, that the study of hygiene is increasing year by year, and the necessity of following the dictates of science and common sense is becoming better understood and more widely appreciated.

It applies more particularly, perhaps, to the houses in which we live, the food we eat, and also to our clothing; but in nothing is the consideration or application of hygienic principles of such vital importance, as in regard to our underwear. We have thus reached a step further and begun to realize the truth of the old adage, "Prevention is better than cure." But prevention is not a remedy, and precaution will

not effect a cure, though it may be helpful if governed by scientific principles and practical knowledge.

A very learned medical authority, speaking of woollen clothing, says:—

"Being a bad conductor of heat, woollen clothing is best fitted to protect the body against the vicissitudes of temperature, which occur in this climate. With our great liability to pulmonary complaints, there should not be a man, woman, or child in this country who does not wear flannel next the skin; over the chest certainly, and down the course of the spine; if not elsewhere; and it should be worn in summer as well as winter, as it absorbs the perspiration and prevents the chills that a wet linen or cotton garment is sure to cause. These chills are fruitful causes of the dysenteric and febrile affections of hot seasons and climates, against which, as all experience goes to prove, there is no such protection as woollen clothing. Why, then, is it not more generally worn? Mothers and nurses should cooperate with the medical man to obtain a universal recognition of its utility."

Most folks admit the wisdom of taking care of their health, though few people exercise the necessary caution of wearing absolutely pure wool undergarments, not only on account of the superior healthfulness they secure, but also for comfort's sake and economy.

Pure wool absorbs the waste exhalations from the skin, by way of perspiration—an essential feature in warm

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climates; it keeps out the cold, maintains the natural warmth of the body at an equable temperature, and protects the system against chills and sudden changes of weather.

The advantages of wearing pure woolen underclothing can thus be seen at a glance, and when it is remembered that the old time trouble of shrinking, which caused so many people to object, has been overcome by the "Alpha" patent finish, which renders the material absolutely unshrinkable, without affecting its elasticity or wearing qualities, the great desideratum of perfectly hygienic underwear—at once comfortable, serviceable and economical—is assured.

A Cautious Step.—in the selection of underclothing there is always need for caution. So many brands, whether imported from the Continent or made in Great Britain, whilst professedly pure wool, are not entirely so. In order to overcome the "shrinking" difficulty, quite a number of manufac-

turers introduce a varying percentage of cotton, which, though it cheapens the cost, does away with the otherwise hygienic properties of the material.

Again, other so-called "pure wool" goods are treated, in course of manufacture, by processes that are deleterious to the texture, and often injurious to the wearer's skin, especially if at all sensitive.

Right here, then, exists the need for "the cautious step" when buying underclothing, to make sure of its being pure all-wool material. For a guarantee of genuineness, look for the tab to be found sewn on every garment and the "Sign of Safety"—the trade mark—stamped on some prominent part.

The Last Step.—We have led you through the alphabet of hygienic underwear—the better way of preserving health and comfort.

Incidentally we have told you of the many good points which "Alpha" Underwear possesses. We cannot tell

you of the exact process of finishing through which it has to pass before it leaves the factory, but you may be interested to know that it represents the results of nearly a century and a half in handling and manufacturing hosiery of every kind.

The yarns from which the materials are woven, are selected from specially assorted strains of pure wool, to which no detrimental substance is added. The weaving of the textures required in various weights for different seasons and climates, is conducted under circumstances most favorable to the work-people engaged in producing the yarn, from which the garments are fashioned.

In "Alpha" underclothing you have the product of accumulated knowledge and experience extending over many years of patient research and experiment in the endeavor to supply hygienic underwear made entirely of pure wool, but treated in such a way as to render it absolutely unshrink-

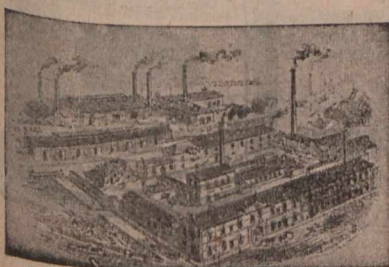
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able. Some garments are made with ventilated gussets under the arms, a decided boon to those who perspire at all profusely. In this and other details of cut, shape, style, fashion and fitting qualities, you will find none superior. In cases where the colors vary from the natural shades, the dyes used are non-poisonous. In order that the wearing capabilities of "Alpha" finish underwear may be still further enhanced, the manufacturers have spliced very neatly into the knees, seat, and elbows of some of the qualities a fibre of a finer and more durable character. You'll find the tab on every genuine "Alpha" Garment.

"Alpha" finish pure wool **unshrinkable** underclothing. Most popular articles are so, as a rule, because of some exceptionally good features they possess. In our "Alpha" finish underwear these features are:—Absolute purity of materials, unshrinkability after frequent washing, thoroughly warm hygienic protection to the body. Loose-

ly woven texture, permitting the escape of perspiration. Cosy softness combined with wonderful strength and durability, superiority of manufacture by British workfolk under healthy conditions.

Read This!!

The Munster Park Laundry Co., Ltd.,
Gowan Avenue, Fulham.

July 17th, 1902.

Dear Sir,—We have washed some of your "Alpha" pure woollen underwear at our works, in boiling water and soda. This treatment would ruin any ordinary flannels. We measured the garments before and after the process and are pleased to say we find them quite unshrinkable, and feel sure any one trying the garments will continue to use them. In our opinion, the "Alpha" garments when known will be much appreciated. Yours faithfully,
(Signed) Eleanor F. Lane,
Superintendent and Secretary.

Write for price list, etc., wholesale only, from T. H. Downing & Co., manu-

facturers, Leicester, England. Also, 103 and 104 Wood street, London; 43 Mosley street, Manchester; Clayton Square, Liverpool; 89 Bridge street, Cardiff.

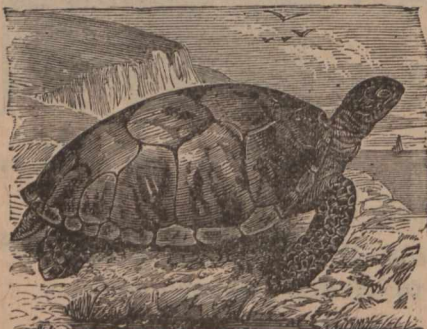
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The extensive machinery works of Messrs. Samuel Pegg & Son, of Leicester, Eng., are recognized far and near as furnishing a large proportion of the machinery used in the manufacture of boots and shoes, and all kinds of hosiery and knitted fabrics. In these lines of manufacture the name of Samuel Pegg & Son is as familiar throughout Great Britain as are the goods which their machines turn out so well. Now that the new Canadian tariff admits English goods at such a large reduc-

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

For Invalids, Travellers, 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.

By Royal Appointment
to the late Queen Victoria.



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

VENTILATORS & SMOKE CURES

HEAT, GOOD, CHEAP. IN ZINC.

Many References, etc.

OR ROLLED COPPER

Fig. 4. ACME LOUVRES for Walls, Gables, Roofs, etc.

Fig. 5. ACME Patent Concealed Ridge Ventilator Outlet.

Fig. 6. As fixed. Side View. 25 YEARS' EXPERIENCE. Tests and comparison invited. Made to any design.

Fig. 7. ACME Door and Partition Louvre Ventilator.

Fig. 8. "Acme" Mechanical Ventilator. SPHERICAL VENTILATORS.

Fig. 9. ACME VENTILATOR IRON. Venetian Dry Wall Inlets. Various sizes from 1/2".

Fig. 10. ACME VENTILATING & HEATING CO. LIVERPOOL. TRADE MARK. KARMA.

Fig. 11. ACME CHIMNEY COWL. In Steel, Copper and Terra-Cotta. Ready swept. Reverses Down draught. 25/6 to 35/6. Suitable for all Conditions and Situations. 5/2.

Wave Proof. Snow Proof. No Goods GENUINE without Any Size or Pattern for the TRADE MARK Adixed.

By Electricity, Water, Gas, Steam, Hand or Horse Power.

Telegrams, Keyworth, Liverpool. A. B. C. Code, (4th Edition.)

ACME VENTILATING & HEATING CO., LIVERPOOL, ENGLAND.

Avail yourself of the new Canadian Preferential Tariff, 33 1/3 off in favour of British Manufactures.

tion of duty, this firm are desirous of extending their trade in Canada, seeing that this country is attracting such world-wide attention of late through the opportunities it offers for

all classes. Messrs. Samuel Pegg & Son will be pleased to send free, illustrated catalogues of their machinery to all interested, and feel confident that the manufacturing machines which

are now giving such satisfaction throughout Great Britain and wherever used will prove as favorable here in Canada, where the very latest and best materials are needed in order to cope with the products of other aggressive countries.

On page 2 of a pamphlet before us, issued by the above firm, is shown a Revolution Press. Having had upwards of 30 years' experience in the manufacture of all kinds of presses, Messrs. Pegg & Son have confidence in stating that they have, in the above machine, combined the whole of the best improvements in the construction, with the result that, without doubt, it has no equal in the market.

They would particularly call attention to the following points, not to be found in any other machine:—

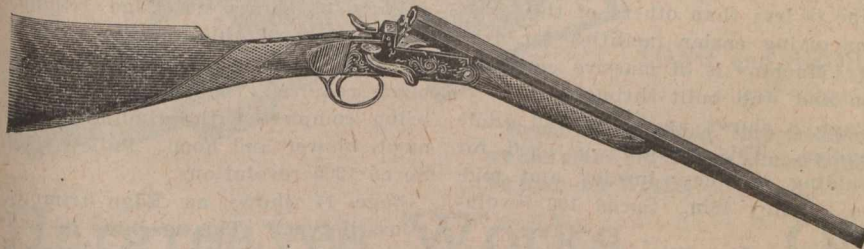
- 1.—Quite noiseless, notwithstanding its rapidity.
- 2.—Smallest possible power necessary to drive.
- 3.—Greatest quantity of work executed.
- 4.—No loose joints or gearing.
- 5.—Absolute rigidity, ensuring a clean cut, with no spring and consequent waste of power.

Pulley 27in. Speed 220 revolutions. Page 4 shows a Revolution Clicking Press. This machine has been made

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, Upper Thames St., LONDON, E.C., Eng.

NOTE.—Buyers of these Guns in Canada have 33 1/3 p.c. in their favour, by Purchasing in England, under the new tariff, from this firm.

JAMES HOWARTH.

Emery, Roller & Strickle Manufacturer.

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.

MINERS
HAMMERS
& PICKS

SUCCESSORS TO FRANCIS HOBSON & SON
SHEFFIELD, ENGLAND.

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.

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 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.

specially to meet a long felt want on the part of manufacturers, for a press suitable for cutting linings, fittings and uppers. This is without doubt the swiftest machine of its kind in the world, being worked on the same principle as the large press on the preceding page. Pulley 19in. Speed 230 revolutions.

Page 6 shows a Patent Double Open-ended Press. The machine as illustrated is a considerable advance upon the ordinary type of open-ended press and possesses the following advantages:— No gear wheels exposed. Cam shaft acts as driving shaft. Requires less power to drive. Total height of ma-

chine is less than others of this type, thus giving easier facilities for driving. Machine is of massive construction and well built throughout.

Page 8 shows an Improved Sole Moulder. This machine is used for moulding outsoles, insoles and middles. Pulley 18in. Speed 100 revolutions.

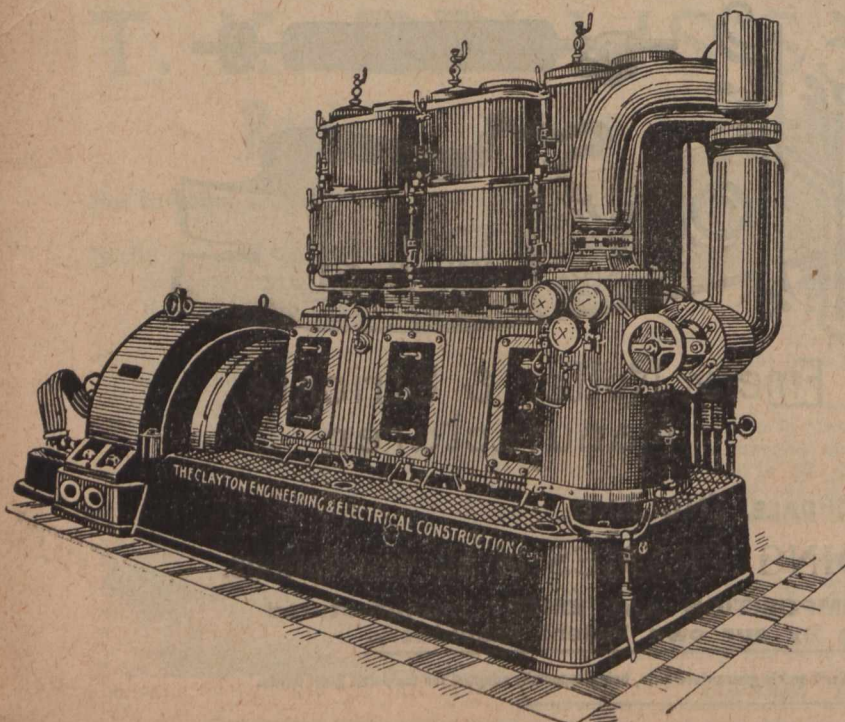
Page 10 shows a Heel Trimmer. This is the most successful heel trimming machine ever placed upon the market and is capable of the greatest range of work. All sizes and shapes of heels can be trimmed, the adjusting apparatus being simple and effective. Pulley 6in. Speed 1200 revolutions.

Page 12 shows an Edge trimmer. The design of this machine recommends itself to every user. No tables being required, the machine in itself being complete with grinding attachment, blower and hood. Pulley 4 1/2 in. Speed 1200 revolutions.

Page 14 shows an Edge trimmer. (Bussell type.) This machine is well-known and requires but little description, being for many years the Standard Edge Trimmer. The base is formed of a single heavy casting, thus reducing the vibration to a minimum. Pulley 5in. Speed 1200 revolutions.

Page 16 shows a Heel Scourer. This machine is well and solidly constructed,

The CLAYTON ENGINEERING & ELECTRICAL CONSTRUCTION COMPANY, Limited.



HEAD OFFICE AND ENGINE WORKS :

Newton Hwde, 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.

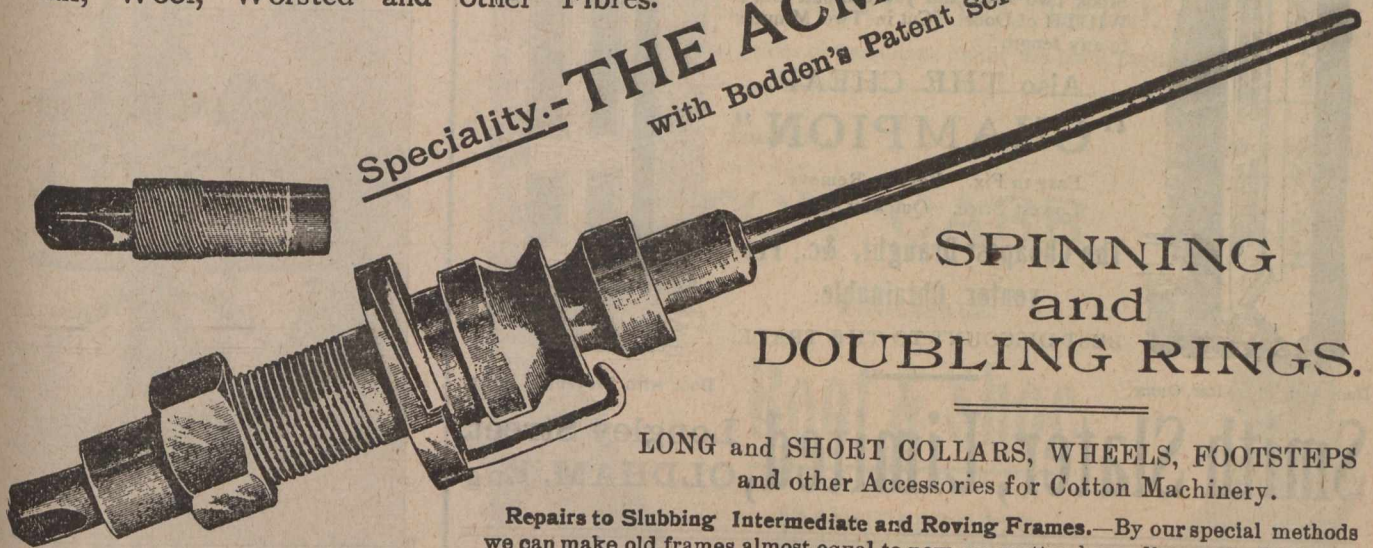
WILLIAM BODDEN & SON, Limited.

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.

is fitted with out patented device for locking and unlocking sand-paper rolls, and is in every respect an excellent machine. Pulley 6 in. Speed 450 revolutions.

Page 18 shows a Patent Edge Setter. The machine, as illustrated, represents our Patent Edge Setter, which is the best machine up to the present time. The vibration is reduced practically to nil. The working parts are fewer than in any other make. The distance of eccentric spindles from the floor is lower than in any other machine, ensuring greater stability. Every part meeting with wear and tear can be easily adjusted. We will send this machine free for one month, and run it in open competition with any other on the market. Pulley 6in. Speed 450 revolutions.

Page 20 shows a Seat Wheel. This machine is well built, and will show a great saving over hand work, besides ensuring uniformity. Being also fitted with Heel Polishing Pad the efficiency of the machine is thus increased and the use of heel burnishing machine is not required. Pulley 3¾in. Speed 750 revolutions.

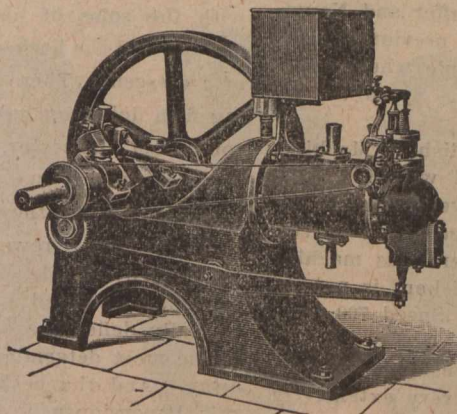
Page 22 shows a Bottom Buffer. New design, in which main column hood and bearings are contained in a single cast-

THE "PETTER" Patent Petroleum Engine

Hundreds in Constant Use.

SIMPLEST,
SAFEST,
MOST
ECONOMICAL
OIL ENGINE
IN THE
MARKET.

Write for Price List and Testimonials.



Automatic Lampless Tube Ignition. Made in many valuable combinations with Pumps, Dynamos, &c.

JAMES B. PETTER & SONS, Ltd.,

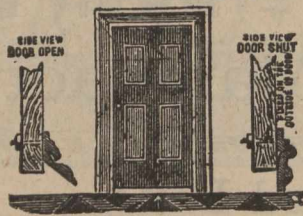
Nautilus Works, YEOVIL, Eng.

140 Victoria Street, Bristol, & 73a Queen Victoria Street,

LONDON, E.C., Eng.

Slater's Patent "RELIABLE" Draught

Dust



& Rain

Stopper

For the Bottom of Doors

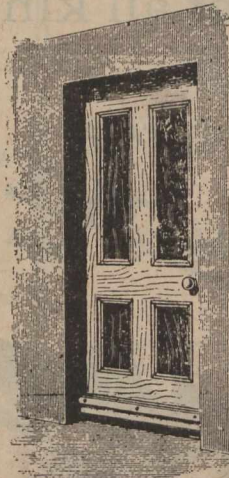
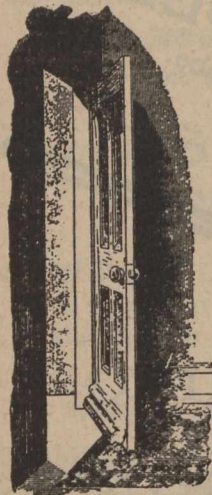
Stock Two sizes, and you can suit ANY WIDTH of Door. Cut in Two Minutes to any length.

Also THE CHEAP "CHAMPION"

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

The Cheapest Draught, &c., Preventer Obtainable.

BEST DISCOUNT TO THE TRADE.



Door with Preventer, OPEN.

Door with Preventer, SHUT.

Smith Slater, Limited, Longley Street, **OLDHAM, Eng**

ing which is firmly secured to large base, thus rendering the machine very steady when in operation. Our patented device for unlocking and locking the rolls is quick, simple and safe. Pulley 6in. Speed 750 revolutions.

Page 24 shows a Naumkeag Buffing Machine. This machine is too well-known to require any description other than to say that it is an exact copy of the American machine, and is in every respect its equal. Pulley 4½in. Speed 450 revolutions.

Page 25 shows a Combination Buffing Machine. This machine is a combination of our Bottom Buffer and Naumkeag, as described on previous pages. This machine is valuable where space is limited. Pulley 6in. Speed 750 revolutions.

Page 28 shows a Polishing Machine. This machine is fitted with felt rolls and brushes, and is very effective in the polishing of heels, top pieces, shanks, etc., etc. Where this machine is used, a "Heel Burnisher" is not required. Pulley 3¾in. Speed 700 revolutions.

Page 30 shows a Brushing Machine. This machine is used very extensively in connection with the laying on of stains, etc., is well built, and fitted with the best brushes obtainable. Pulley 3¾in. Speed 700 revolutions.

Page 32 shows a Bunking and Stitch Wheeling Machine. This machine is one of the most useful appliances that can be introduced into a finishing room and although very simple in construction is very effective. Will send one upon approval to any responsible manufacturer.

Write for price lists, etc., to Samuel Pegg & Son, Alexander Street, Leicester, Eng.

THE "CROWN" SOLE PLATE

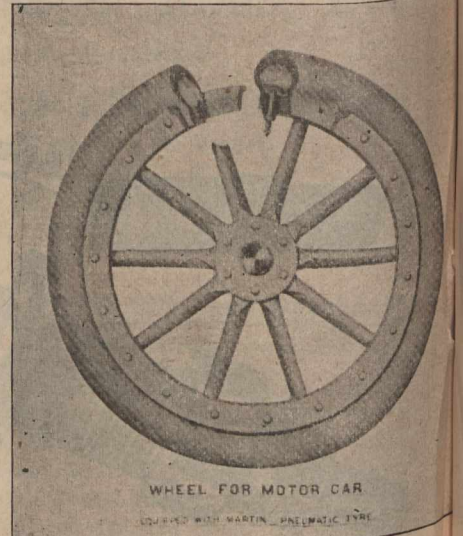
Anybody who has had anything to do with the raising of a boy knows and must admit that he has felt like raising something considerably lower than the boy pretty often when the latter came along about once a month with the soles of his shoes partially missing and the heels worn to the shape of a crescent. There is a manufacturing firm doing business at 4a Guthlaxton street, Leicester, England, whom coming generations will continue to bless long after they shall have gone to their better reward, because this firm, of which Mr. M. J. Rice is the head, has patented a boy's shoe which virtually defies the determined efforts of the most determined boy to wear it away. And the best of it all is that this imperviousness to gravel, stones, timber or mud does not in any way detract from the shapely appearance of the shoe. 'Tis called the Patent Crown Sole Plate. Here is what the circular before us claims for it:—

The "Crown" Sole-Plate Boots. Patentee: M. J. Rice, 4a Guthlaxton st., Leicester. One minute, please! They are solid leather! What are? Why, our boys' and girls' school boots, fitted with the patent "Crown" sole-

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.

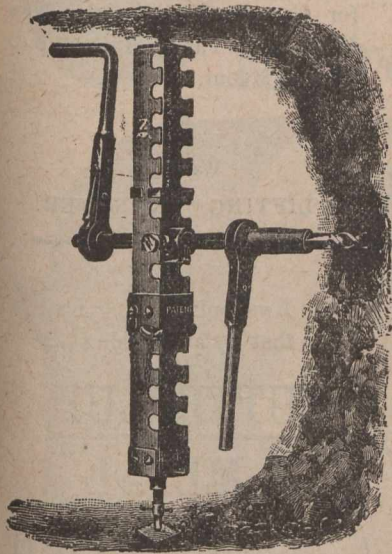
Has Beaten all Records for Enduring Qualities.

Matthias Spencer

& SONS,

MANUFACTURERS OF

Steel Files, Cutlery, Edge Tools,
Hammers, Wedges, Picks, Boring
Machines Drills, Chisels, Crow-
bars, Shafts, Sockets, Shovels
&c

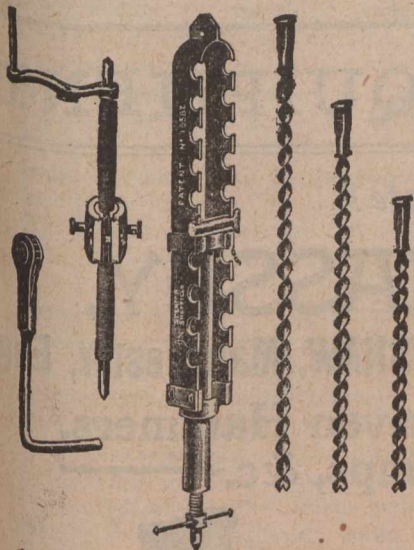


MAKERS OF

MINERS' TOOLS

Of Every Description.

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



TRADE MARK.

SPENCER SHEFFIELD

GRANTED 1749.

**Albion Steel Works,
SHEFFIELD, Eng.**

Write for Lists.
Prices on Application.

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

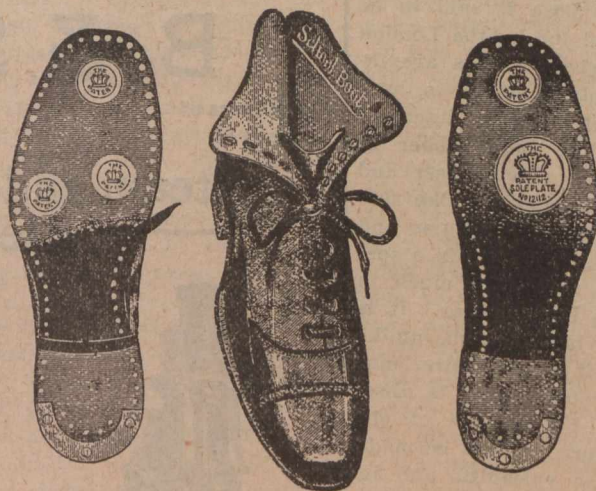


Asfordby Street Works, North Evington,

Leicester, England.

plates. A boon and a blessing to parents because they wear like iron. These plates increase the wear of the soles at least double. These little round plates are made of malleable iron, and go right through the outsole, to which

strength and wear of nailed ones. Nothing is put in these boots but solid leather, i.e. (1) stout No. 1 red side outsoles; (2) good solid middle soles; (3) best belly insoles; (4) leather stiffeners.



they are nailed and fitted from the back, flush up to the walking surface of the boot, as in the illustration. Being 1/4-inch thick the soles have to be the same substance. The goods have the appearance of good medium class school boots, combined with the

A shoe that does not wear well is a dear shoe to select for any person to wear, except that person expects to leave this world of wear, tear, swear and care within a few weeks at the outside, and go here shoes are not wanted. But any person who expects

to live to wear out their shoes, even though the shoes in question should stoutly rebel against such endeavors, would certainly be advancing their own interests, and likewise their capital, by finding out all they can about this Patent Crown Sole Plate. If 'tis a good thing, they should possess it; if it is not, then they will be at least satisfied that they investigated for themselves. But it can be relied on as a fact that Messrs. M. J. Rice & Son, the patentees of this improvement, would not attempt to put forth an article not possessing sufficient merit to sell on sight once fairly tested. 33 1-3 reduction of duty on British goods coming to Canada. Address: Messrs. M. J. Rice & Son, 4a Guthlaxton St., Leicester, England.

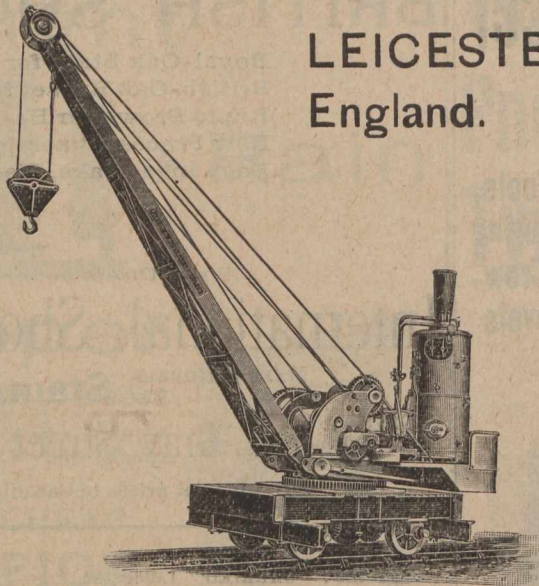
DERMATINE COMPANY, LTD.

This is a material somewhat new to our readers, but from the various testimonials before us we bespeak for it such speedy recognition, once fairly introduced, as will cause it to be as well known as the ordinary India-rubber of commerce, and possessing qualities not found in the latter.

The Manufacture of Dermatine.— This material was brought out by M. Zingler and patented in England in 1884-85 as a substitute for India-rubber and gutta-percha. The name adapted was derived from the Greek "derma" (the skin). It is manufactured on a large scale by the Dermatine Co., No. 95, Neate Street, London, S.E., of which John Cooper is the managing director. Some of the applications are for machinery belting, hose, packing rings, hydraulic ram and cup rings, hat leathers, etc. A driving belt of this material used in the Dermatine Works, 115 feet long, 24 inches wide and 3/4 inch thick, is referred as having been in constant wear fourteen years, without showing any signs of wear. Dermatine hose is said to be specially stipulated for by the London County Council when tenders are invited for the supplying of valves, hose and washers. Dermatine is described as being "very like India-rubber in appearance, though much closer and finer in texture. It consists, like rubber, of a combination of gums and chemicals, treated, of course, in a special way, and is vulcanized much in the same way as India-rubber. It is flexible, but not brittle; and, unlike ordinary rubber, it is inadhesive, cannot be easily stretched, and is absolutely unaffected by changes of climate or temperature. It can be made almost as hard as vulcanite, and is, therefore, specially useful for such purposes as steam joints for faced flanges, stop valve seats, and other positions under heavy pressure."

The India Rubber World, New York, February 1, 1902.—"That the advantage of Dermatine over ordinary vulcanized rubber for special purposes is becoming more and more recognized

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.

SMITHY EQUIPMENT.

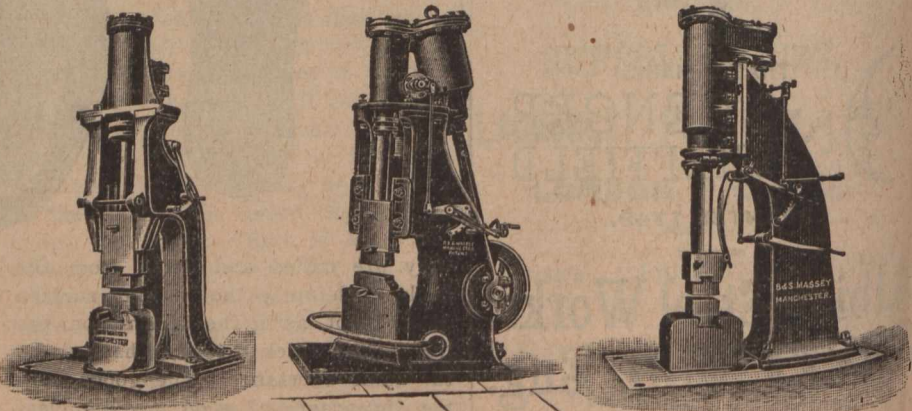
Is your Smithy Up-To-Date?

B. & S. MASSEY,

OPENSHAW, Manchester, Eng.

Are Makers of all kinds of

Steam and Belt Driven Hammers,
Steam Stamps, &c.



SEND FOR PARTICULARS.

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.



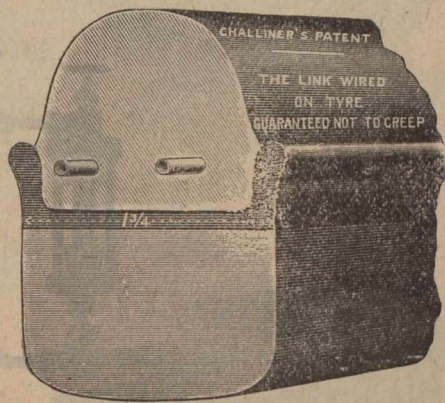
INCLUDING THE

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.

is clear from the increased tendency among engineers to specify that this material must be employed. Among the most recent examples of this is the Edwards patent air pump for marine engines and the Haste patent pump; in which cases the patentees in their instructions to the makers specify the use of Dermatine."

The India-Rubber and Gutta-Percha Trades' Journal, March 3, 1902.—"Dermatine.—Dermatine for special uses is becoming more and more recognized as a valuable material, and its mention in specifications is becoming frequent. Its reputation for adaptability and regularity of composition and its long life are earning for it a splendid name. The patentees of the Haste patent pump and the Edwards air pump for marine engines specify the use of Dermatine in their instructions to the makers. As the excellence of their inventions depends to a large extent upon the trustworthy nature of the materials in both cases, it is clear they must have recognized the full value of Dermatine, before depending upon it to this extent. These are only two out of numerous cases that have come to our notice within recent months."

Commercial Intelligence, February 22, 1902.—Something superior to rubber or leather.—In Neate Street, a quiet thoroughfare in the south-eastern district of London, is carried on

the manufacture of that interesting and highly useful commodity known as Dermatine—a substitute for leather, gutta-percha, and india-rubber. Most substitutes appeal to buyers on the ground of cheapness; not so Dermatine. It is dearer than ordinary rubber, though its greater durability and efficiency make it cheaper in the end. This has at last been recognized by the Government and the London County Council, who specially stipulate in their contracts for Dermatine hose, as do also the large provincial corporations, as well as home and foreign railways, collieries, mines, alkali, soap, and glass works. Indeed, wherever extremes of heat and cold, and the deteriorating action of grease, dirt, and acids have to be encountered, there Dermatine has displayed superior resisting qualities. It is also specially adapted for valves, hydraulic cup rings, ram rings, pump rings, and washers. It has the advantage over rubber of being inadhesive and unaffected by changes of climate; and over leather in resisting the soddening effect of water. The largest hydraulic engineers in the world appreciate its virtues, as is evidenced by its use in the great shops of Armstrong in England and Krupp in Germany. It has been paid the very high compliment of being imitated—a compliment that Mr. John Cooper, the managing director of

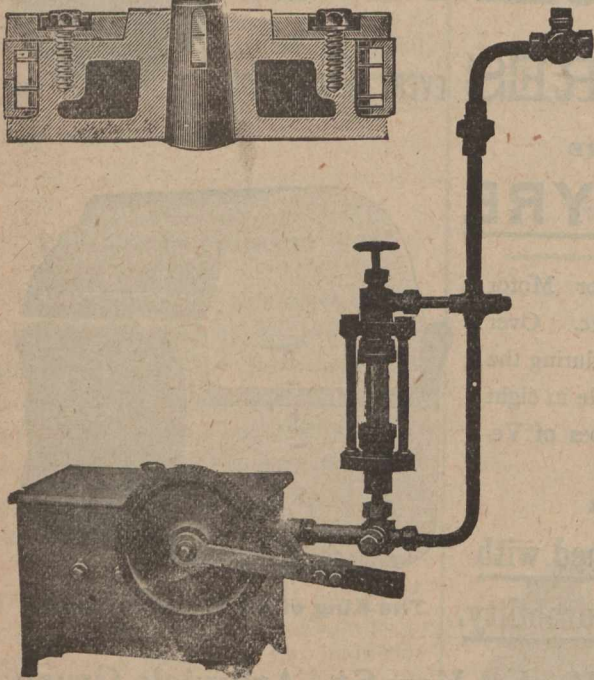
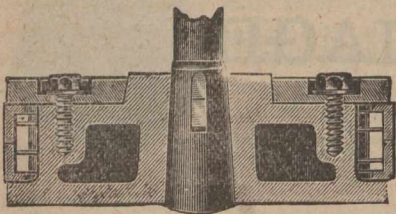
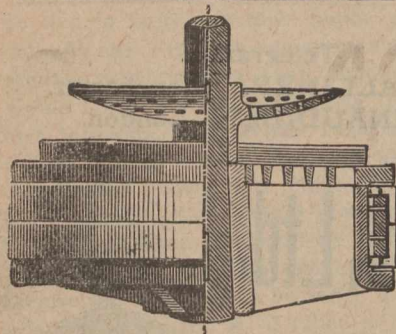
Dermatine, Limited, returned by having the imitators restrained.

Testimonial for belting.—De Keyser's Royal Hotel, Ltd., London, E.C., June 4, 1898.—John Cooper, Esq.—Dear Sir, —I visited Messrs. Robey & Co.'s works in Lincoln a few days ago and saw a belt driving a double saw which had been running for two years, giving great satisfaction.

I was told that this belt was supplied by the Dermatine Co., of which you are managing director, and I beg to request you to give me full particulars and prices for this belting.

I reside in Yokohama, Japan, and do a large business in belting, principally "Hair." I intend to stay here until Tuesday night, and should be glad to hear from you if my visit to your works will be convenient to you. Yours faithfully, B. A. Munster, M.E.

Dermatine stands rough wear and hard usage, heat, cold, steam, damp, oils, alkali and acids, better than leather, rubber or gutta-percha. Largely used in East and West Indies, South Africa, South America, China and Japan. Belting, hose, valves, steam joints, carding, pump cups, ram rings, flat leathers, packing rings, buckets, etc. Specially stipulated for by the British, German, Austrian, Russian, Belgian and Danish Governments; the chief corporations and municipalities throughout Great Britain, the Conti-



ALEXANDER OLDHAM & SONS,

Johnson Brook Patent Piston Works,

DUKINFIELD, - near MANCHESTER, - ENGLAND.

Telegraphic Address: "WELDLESS, Dukinfield."

Makers of
Patent Pistons,
Air Pump Buckets,

FROM 2-in. DIA. TO 120-in. DIA.

Reboring Cylinders and Air Pump Barrels
 in their places. Planing Valve Facings
 by Improved Machinery.

MONTREAL WHOLESALE PRICES CURRENT.
 THURSDAY, DEC. 4, 1902.

Name of Article.	Wholesale	
	\$ c.	\$ c.
Drugs & Chemicals		
Acid Carbollic Cryst medl.....	0 25	0 30
Aloes, Caps.....	0 16	0 18
Alum.....	1 40	1 75
Borax, xtls.....	0 04	0 08
Brom. Potass.....	0 60	0 70
Camphor, Ref Rings.....	0 00	0 75
" Ref oz. ck.....	0 75	0 80
Citric Acid.....	0 35	0 40
Citrate Magnesia lb.....	0 25	0 45
Cocaine Hyd. (oz).....	4 50	5 00
Copperas, per 100 lbs.....	0 75	0 80
Cream Tartar.....	0 30	0 25
Epsom Salts.....	1 25	1 75
Glycerine.....	0 17	0 20
Gum Arabic per lb.....	0 20	0 40
" Trag.....	0 50	1 00
Insect Powder lb.....	0 25	0 40
do per keg, lb.....	0 22	0 30
Menthol, lb.....	9 50	10 00
Morphia.....	1 35	1 45
Oil Peppermint lb.....	6 50	7 00
Oil Lemon.....	1 15	1 25
Opium.....	3 50	4 00
Oxalic Acid.....	0 08	0 10
Phosphorus.....	0 50	0 75
Potash Bichromate.....	0 08	0 10
Potash Iodide.....	3 00	3 40
Quinine.....	0 30	0 40
Strychnine.....	0 65	0 80
Tartaric Acid.....	0 28	0 33
Licorice. —		
Stick, 4, 6, 8, 12, & 16 to lb., 5 lb. boxes.....	2 00	0 00
Acme Licorice Pellets, cans.....	2 00	0 00
Licorice Lozenges, 1 5 lb. cans.....	1 50	0 00
Heavy Chemicals.		
Bleaching Powder.....	1 75	2 50
Blue Vitriol.....	4 75	5 75
Brimstone.....	2 00	2 50
Caustic Soda.....	2 00	3 00
" ".....	0 00	0 00
Soda Ash.....	1 25	1 50
Soda Bicarb.....	1 75	2 25
Sal. Soda.....	0 75	0 85
" Concentrated.....	1 50	2 00
Dyestuffs.		
Archil, con.....	0 27	0 29
Cutch.....	0 08	0 09
W. Logwood.....	0 09	0 12

ment, and the Colonies; also chief engineers and chemical manufacturers throughout the world.

Write for particulars to Dermatine Company, Ltd., 95 Neate Street, London, S.E., England. 33 1-3 per cent. reduction in duty under new Canadian tariff.

DEANE, RANSOME & CO.

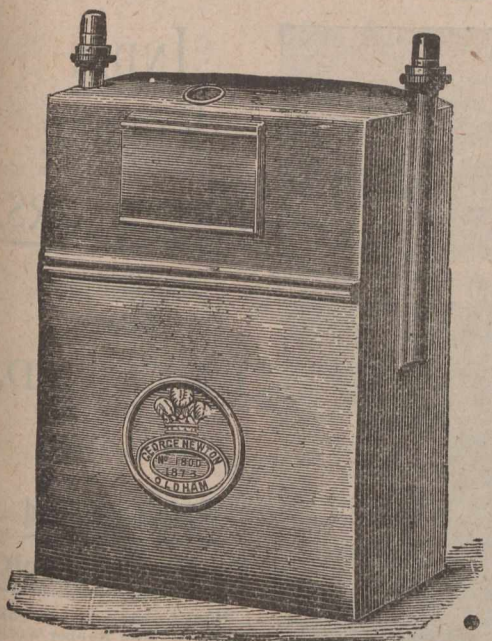
As structural engineers and manufacturers of fireproof floors, joists, roofs, girders, etc., the London, Eng., firm of Messrs. Deane, Ransome & Co., are of late becoming better known beyond their usual trade limits through their successful introduction of patent fireproof floors. Referring to this simple, secure, and durable material, an English trade journal says—

Green's improved Patent Fireproof, Soundproof, and Ventilated Floors.— In these days of big buildings, and equaly big conflagrations, it is needless to say that fireproof flooring has become an essential. This has been clearly demonstrated by the British Fire Prevention Committee. But if flooring should be fireproof in the first place, it should none the less be soundproof and well ventilated. The advantage of a soundproof floor in a large building accommodating a number of

MONTREAL WHOLESALE PRICES CURRENT.
 THURSDAY, DEC. 4, 1902.

Name of Article.	Wholesale.	
	\$ c.	\$ c.
Chip Logwood.....		
Indigo (Bengal).....	1 60	1 75
Indigo Madras.....	0 70	1 00
Gambler.....	0 07	0 07 1/2
Madder.....	0 09	0 12
Sumac.....	50 00	55 00
Tin Crystals.....	0 24	0 30
Fish.		
Blosters, per box.....	1 00	1 25
Labrador Herrings.....	5 00	5 25
do do Half brls.....	2 75	3 00
Mackerel No. 2, brls.....	0 00	12 50
" " 1/4 barrel.....	6 00	6 50
Green Cod, No. 1.....	5 75	0 00
Green " large.....	0 00	6 00
No. 2.....	4 75	0 00
Large dry Gaspe per qntl.....	5 00	5 25
Salmon, bris Lab. No. 1.....	0 00	14 00
Salmon, (half bris).....	0 00	0 00
" Brit. Col bris.....	0 00	0 00
Boneless Fish.....	0 04 1/2	0 00
" Cod.....	0 05 1/2	0 00
Skinless Cod, case.....	4 75	0 00
Loch Fyne Herrings, keg.....	1 10	1 15
Flour.		
Ogilvie's Hungarian.....	0 00	4 20
Ogilvie's Glenora Patent.....	0 00	3 50
Manitoba patents.....	0 00	4 20
Strong Bakers.....	0 00	3 50
Winter Wheat patents.....	4 00	4 10
Straight roller.....	3 65	3 50
do bags.....	1 75	1 85
Superfine.....	4 50	4 60
Rolled Oats.....	4 25	4 35
Corn meal, bag.....	1 50	1 55
Bran bulk.....	00 00	18 00
Shorts.....	00 00	20 00
Moullie.....	24 00	26 00
Farm Products.		
BUTTER; Choicest Cr.....	0 214	0 22
Eastern do.....	0 20	0 21
Under Grades Cr.....	0 19	0 20
Townships Dairy.....	0 19	0 20
Western Dairy.....	0 16	0 17
Good to choice.....	0 14	0 16
Fresh Rolls.....	0 17 1/2	0 18

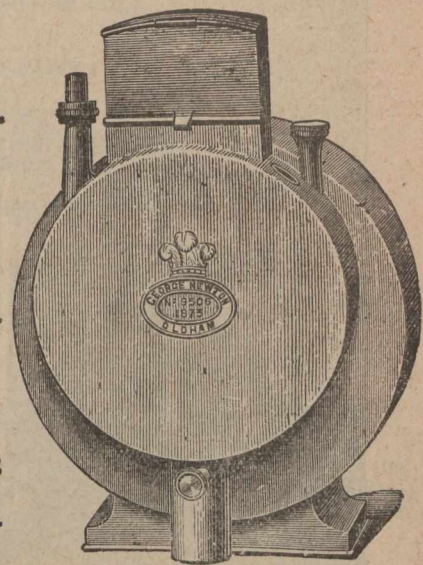
GEORGE NEWTON, LTD.



GAS METER =
MANUFACTURERS.

OLDHAM,
ENGLAND.

Special quotations
under the new Canadian
Preferential Tariff.



MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, DEC. 4, 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 22	0 23
Straight gathered.....	0 18	0 20
Limed.....	0 16	0 18
Cold storage.....	0 16	0 17
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 00
Groceries.		
Sugars: Factory.		
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 Lumps, 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
Granded Yellows.....	3 15	8 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 09	0 00
" Layers.....	0 07	0 00
Currants, Provincials.....	0 00	0 00
Fillatras.....	0 00	0 03½
Patras.....	0 60	0 00
Vostizzas.....	0 05½	0 06½
Prunes, Cal.....	0 07	0 09½
do French.....	0 04	0 05
Figs in bags.....	0 08½	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	0 00
" Carolina.....	0 00	0 07½
Pot Barley, bag 48 lbs.....	0 00	2 00
Pearl.....	0 08	0 05
" per lb.....	0 02½	0 00
" Flake.....	0 02½	0 00
" per lb.....	0 80	0 90
" per lb.....	0 80	1 00
" per lb.....	0 00	0 50
" per lb.....	1 50	1 75
" per lb.....	0 80	0 85

different business firms is too obvious to require further demonstration. Of the advantages of ventilation it is needless to speak. But hitherto it has been found difficult to construct even a reasonably perfect fireproof flooring, to say nothing of combining with it the other advantages which we have insisted on. Messrs. Deane, Ransome & Co., of 79 Queen Victoria Street, London, E.C., appear, however, to have solved the problem. They have recently placed on the market a flooring for which all these advantages are claimed, and claimed with evident justice.

These fireproof floors are, when constructed, as light, strong, and rigid as any other floor at present in vogue, and will sustain a live load of from 1 cwt. to 5 cwt. per super foot, thus giving the maximum of strength with the minimum of dead weight.

The fire-resisting material consists of a hollow lintel and flat tile made from a mild tempered clay, capable of sustaining an extremely high temperature.

These hollow lintels and flat tiles are made 2 feet in length—for convenience in fixing—and 6 inches wide.

In fixing them no centring is required; the hollow lintels, flat tiles and galvanized iron arch themselves constitute this, and the ceilings can be plastered immediately.

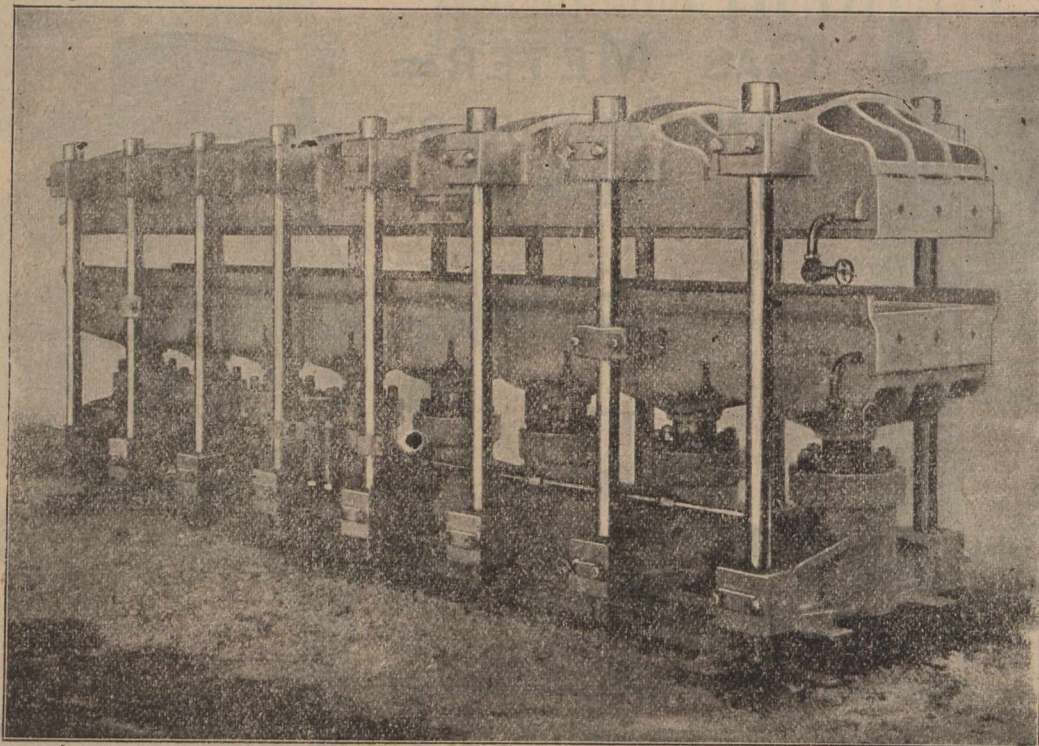
The soffits of the hollow lintels and flat tiles are grooved so as to form a dovetail key for the plaster, lathing or suspended ceilings are therefore not necessary.

The minimum thickness of the floors is 6 inches, but the depth is increased according to the span and section of the joist. To this must be added the thickness of the finished floor, which can be either ordinary floor-boards se-

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, DEC 4, 1902.

Name of Article.	Wholesale	
	\$ c.	¢ c.
Hardware.		
Antimony.....		
" Block, L & F, W D.....	0 00	0 81
" Straits.....	0 00	0 00
" 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 13d ".....	0 10	0 00
8 and 9d ".....	0 15	0 00
5 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—		
3d per 100 lbs.....	1 00	0 00
2d ".....	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
5 and 7d ".....	0 70	0 00
4 to 5d ".....	0 95	0 00
3d ".....	1 20	0 00
Finishing nails—		
1 inch and longer per 100 lbs.....	0 60	0 00
¾ and ¾ inch.....	0 65	0 00
½ and ¾ ".....	0 70	0 00
¼ and ¾ ".....	0 95	0 00
1 ".....	1 20	0 00
1 ".....	1 50	0 00
Slatting nails—		
1½ and 1½ inch per 100 lbs.....	0 95	0 00
1 ".....	1 20	0 00
1 ".....	1 50	0 00
Common barrel nails—		
1½ 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—		
1 inch and longer per 100 lbs.....	0 60	0 00
¾ and ¾ inch.....	0 65	0 00
½ and ¾ inch.....	0 70	0 00
¼ and ¾ ".....	0 95	0 00
1 ".....	1 20	0 00
1 ".....	1 50	0 00
Sharp and flat pressed nails		
1 inch and longer per 100 lbs.....	1 35	0 00
¾ and ¾ inch.....	1 50	0 00
½ and ¾ ".....	1 65	0 00
¼ and ¾ ".....	1 85	0 00
1 ".....	2 50	0 00
1 ".....	3 00	0 00
Coil Chain—No. 6.....		
" 5.....	0 11	0 00
" 4.....	0 10	0 00
" 3.....	0 09	0 00
" 2.....	0 09	0 00
" 1.....	0 07	0 00
" 15.....	4 85	0 00
" 16.....	4 25	0 00
" 17.....	4 00	0 00

IDDON BROTHERS



INDIA RUBBER ENGINEERS.

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

Plans for erection and completion of New Rubber Works throughout, on the most modern principle.

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. 4, 1902.

Name of Article.	Wholesale.
Hardware—Con.	
Coil Chain—No. 4	\$ 85 0 00
9-16	3 75 0 00
3/4	3 65 0 00
1/2	3 76 0 00
3/8 & 1 in.	3 60 0 00
Galvanized Staples—	
100 lb. box, 1 1/4 to 1 1/2	3 00 0 00
Bright, 1 1/4 to 1 1/2	2 80 0 00
Galvanized Iron:	
Queen's Head, } gauge 28	4 40 4 65
or equal. } gauge 28	4 10 4 35
Comet do 28 gauge	
Iron Horse Shoes:	
No. 2 and larger	0 00 3 35
No. 1 and smaller	0 00 3 60
Bar Iron, per 100 lbs.	
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, 1/4 in.	0 00 3 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.	
Canada Plates:	
Full Polish	4 00
Ord. 52 sheets	2 65
" 60 do	2 70
" 75 do	2 75
Black Iron pipe, 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 1/2 in.	8 30
2 in.	11 60
per 100 ft. nett.	
Steel, cast p. lb., 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
Plates:	
IC Coke, 14 x 20	4 25
IC Charcoal, 14 x 20	4 50
IX Charcoal	5 50
IX "	6 50

cured to fillets embedded in concrete, wood blocks, tiles, mosaic, or asphalt.

With floors constructed on these systems there is considerable saving in cost and in the matter of scaffolding; much economy is also obtained in plastering by reason of the perfect ceiling soffit.

Holes for pipes can be cut through or formed in the floors without affecting the stability.

For warehouse floors the hollow lintels and flat tiles can be made with plain soffits (thus dispensing with plastered ceilings), and can be whitened in the ordinary manner. The hollow lintels and flat tiles can also be made with glazed soffits for dairies, sold storage depots or other buildings where great smoothness of surface is required.

The extreme simplicity of the system has already recommended it to many local authorities, and though this flooring has not been in the market many months, it is growing rapidly in public favor.

Under the new preferential tariff a reduction of one-third is taken off duty on all English goods entering the Dominion, which is a large incentive to our people across the water to extend their trade with Canada. This country is growing at a pace which permits of rooms for trade not possessed by any country in the world, all circumstances considered. Our interested readers would do well to communicate with this firm, who will be pleased to furnish free all particulars of their new material as above stated.

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, DEC. 4, 1902.

Name of Article.	Wholesale.
Terne Plate IC, 20x28	
Russ. Sheet Iron	7 50 0 00
Lion & Crown tin'd sh's	0 10 0 00
22 and 24 gauge case lots	0 0 7 75
26 gauge	0 0 7 75
Lead: Pig, per 100 lbs;	3 25 3 35
Sheet,	0 00 0 044
Shot, 100 lb., less 2 1/2 p c.	0 00 6 50
Lead Pipe, per 100 lbs.	7 00 0 00
	less 8 1/2 p.c.
Zinc:	
Spelter, per 100 lbs.	0 00 5 25
Sheet, Zinc "	5 75 6 00
Black Sheet Iron,	
Per 100 lbs.	
8 to 16 gauge	2 40 0 00
18 to 20 do	2 31 0 00
22 to 24 do	2 35 0 00
26 do	2 40 0 00
28 do	2 45 0 00
Wire:	
Plain gal'v'd, No. 5	3 70 0 00
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
Barbed Wire—	
Spring Wire per 100, 1.25 net extra.	2 90 f.o.b. Montreal.
Iron and Steel Wire pl'n 6 to 9	2 60 base.
Rope.	
Sisal, base	0 00
" 7-16 and up	0 12
" 3/4 "	0 12 1/2
" 5-16 "	0 13
" 1/2 "	0 13
" 3-16 "	0 13 1/2
Manilla, 7-16 & lkr.	0 14
" 3/4 "	0 14 1/2
" 5-16 "	0 15
" 1/2 "	0 15
" 3-16 "	0 15 1/2
Lath yarn	0 11

The General Incandescent Co., Ltd.,

Works & Warehouses: ILFORD.

92a Aldersgate Street, LONDON, E.C., Eng.

(SOLD UNDER LICENSE FROM THE WELSBACH COMPANY.)

PRICE LIST.

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/- "

Mantles Made to Customers Specifications at Lowest Prices.

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. 4 1902.

Address: Deane, Ransome & Co., 79 Queen Victoria Street, London, E.C., England.

MONTREAL WHOLESALE PRICE CURRENT

THURSDAY, DEC. 4, 1902.

WALTON CARR, JUN.

A name prominently identified with Leicester, that great shoe manufacturing centre of England, is that of Mr. Walton Carr, Jun. As the inventor of boots and shoes which gain friends through ease and comfort in wearing, Mr. Carr's name and fame are fast encircling a wider sphere than that embraced within the confines of Europe. The following is reprinted from a recent issue of The Railways Supplies Journal, London—Walton Carr, wholesale boot and shoe manufacturer, Leicester.—Is it really possible to have a novelty in boots? To many persons it would seem that ingenuity had long ago exhausted itself in devising new styles and improved methods of construction, and that the only possibility of obtaining anything like novelty would be to go back to those mediaeval times when it was the height of fashion to wear shoes with pointed toes of such a length that they had to be held up by strings attached to the knees. But whatever may be said in praise of the picturesque dress worn in those days, as compared with that of our own time, this grotesque foot-gear would certainly not be likely to find favor. We cannot, in fact, imagine anything more neat and attractive in appearance than modern boots and shoes when really well and skillfully made, and as the styles and designs are innumerable it does not at first sight appear where novelty is to be attained. Yet we are, doubtless, many of us conscious that something is lacking in our boots

Name of Article. Wholesale.

Wire Nails.

	\$ c.	\$ c.
Base Price carload	2 50	
Less than	2 55	
2d extra	1 00	
2d 1/2	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
Spilts, 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
Russetts, 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 38	0 42
No. 1	0 20	0 22
ordinary	0 14	0 16
Colored Pebbles	0 13	0 16
Calf	0 16	0 22

Name of Article. Wholesale.

Oils

	\$ c.	\$ c.
Cod Oil	0 37 1/2	0 40
S. R. Pale Seal	0 00	0 55
Straw Seal	0 40	0 50
Cod Liver Oil, Nfd. 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 90
"	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 70
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	1 50	3 25
Red Lead	5 50	5 50
Venetian Red Eng'h	5 00	5 50
Yel. Ochre, French	1 75	2 00
Whiting, ordinary	1 50	3 25
do Gliders	0 45	0 50
do Paris, do	0 60	0 70
English Cement, cask	0 85	1 00
Belgian do	2 15	2 25
German do	1 65	1 90
American do	2 25	2 45
Fire Bricks per 1000	2 00	2 40
Fire Clay	16 00	32 00
Rosin	1 50	1 75
Glue:—		
Domestic Broken Sheet	2 75	5 50
French Casks	0 13	0 15
do brls	0 11 1/2	0 12
American White, brls.	0 00	0 14
Coopers' Glue	0 16	0 20
Brunswick Green	0 20	0 25
French Imperial Green	0 04	0 10
No. 1 Furnit's Varn'h, pr. gl.	0 12	0 16
a do do	0 65	0 70
Brown Japan	0 75	1 00
Black Japan	0 60	0 75
Orange Shellac, No. 1	0 60	0 75
do do Pure	2 00	2 25
White do	2 25	2 75
Patty Bulk 100 lb. brl	2 75	3 00
Parisgreen in drum 1 lb pk.	0 00	2 00
Kalsomine, 5 lb pkgs.	0 18 1/2	0 19 1/2
	0 00	0 03 1/2
Wool.		
Canadian Washed	0 00	0 14
North West	0 00	0 00
Unwashed	0 08	0 00
B. A. Scoured	0 35	0 37
Natal	0 00	0 00
Cape, greasy	0 17 1/2	0 18
Australian greasy	0 00	0 00

Telegrams: "ICERIMUS," London; "ICICLE," Durban. Codes in use: A1 & A.B.C.

Refrigerating & Ice Making Machinery.

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:

To advise and report upon Cold Storage Projects. To survey sites of proposed works with Piers, Jetties and Sidings. To design and supervise the installation of Freezing and Cold Storage Works. To supply complete equipments, including Steam Boilers, Engines, Compressors, Electric Plant, &c., &c.

ARTHUR G. ENOCK & CO., REFRIGERATING ENGINEERS,

407 to 409 Birkbeck Bank Chambers, Southampton Buildings, Holborn, London, W.C., Eng.

And Hampsons Buildings, (Box 471), DURBAN, SOUTH AFRICA

JOHANNESBURG, BOX 5463.

(Cuts will be inserted as soon as received.)

and shoes, either in regard to comfort or appearance. We may not, perhaps, be able to say exactly what it is, or, if we are, to say how it is to be supplied, but if some one else can, we are quite ready to appreciate it as an improvement and acknowledge it as a novelty. This remark will, we think, be illustrated and confirmed by what we have now to introduce to the notice of our readers.

There was a time, as everyone knows, when the most popular style of boot was that known as the elastic side or side "spring" boot. That it had much to recommend it cannot be denied. Boots of this kind were so quickly put on and off. There was no troublesome lacing by which the hands were soiled, time lost, and temper tried. They gave play to the action of the foot and yet were a comfortable support to the ankle, and they looked well. All this when the boots were new; but alas, as soon as they had become a little worn and the elastic sides were stretched and weakened, nothing could be more unsightly, untidy, or uncomfortable. And, moreover, until these defects arose and so long as the elastic sides were sufficiently tight to be effective and presentable, it must be confessed that the boots were, although quickly, yet with some difficulty put on and off.

For these and perhaps other reasons—some too subtle to be tabulated, for who can tell all the causes that go to produce a change in fashion?—elastic sides fell into disfavor and were supplanted by laces and buttons. Of late, however, there has been a manifest desire to reinstate the old favorites, and there can be little doubt that this would be almost universally done if the objections to which we have referred could be removed. We are glad to say that this appears to have been accomplished. The Elastic Web Manufacturers' Association have adopted a distinguishing mark or stamp which they put on all webs of a guaranteed quality, consequently all persons can wear with perfect satisfaction boots containing elastic webs bearing that

Telegraphic Address: "EXTINCTUM, London."

Sinclair & Co's.,



**REVERSIBLE
COMET
INDUSTRIAL
LAMP.**

Most suitable for Railway Co's., Ship
Builders and Engineers.

THE LEADING LAMP
IN ENGLAND.

Price, - - £3.3. F.O.B.

19 Eldon Street, - LONDON, E.C., Eng.

T. Kerfoot & Co.

**MANUFACTURING
PHARMACEUTICAL CHEMISTS**

Makers of all kinds of



Medicated Lozenges and Jujubes,
Bouquet Lozenges, Compressed
Tablets, Pills, Liquorice Goods,
Effervescible Preparations, Per-
fumes, Counter Adjuncts.

ENQUIRIES SOLICITED.

LABORATORIES:

BARDSLEY VALE, nr. Ashton-under-Lyne, - ENGLAND.

And BARDSLEY HOUSE, 189 Holloway Rd., LONDON, N. Eng.



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 for preventing the radiation of Heat, Saving Fuel, etc.
 Special Terms to Canadians under the New Preferential Tariff.

A. KNIGHT & CO.,

High Class—Wholesale

Boot

* Manufacturers *

We supply these Shoes, 33 1/2 p.c. under the New Preferential Tariff.

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

Cuts will be inserted when received.



stamp, and therefore our readers may now enjoy all the advantages of elastic side boots without any of the drawbacks which were formerly associated with them. Indeed, this is understating the case, for the advantages are greater than those formerly presented by this style of boot.

For this novelty we are indebted to the ingenuity and enterprise of Mr. Walton Carr, wholesale boot and shoe manufacturer, of the Asfordby Street Works, North Evington, Leicester. The new invention—for as such it must properly be regarded—known as the "Go on Easy" boot, is the outcome of the late prize competition to stimulate the elastic web trade, and to regain the confidence in the elastic side boot. It is at once ingenious and simple, and yet so obviously scientific that the wonder is it has not been thought of before. We may briefly indicate its nature by saying that the elastic material or "gusset," instead of being carried straight down the side of the boot, is curved and elongated so as to follow the contour of the upper kid with the galosh. It will be easily understood that by this means the shoe is much more easily drawn upon the foot, and therefore well merits its designation of the "Go on Tasy." At the same time there is not the violent tension upon the elastic which formerly destroyed so quickly its elasticity. The ease and comfort in wearing while walking are increased and the support given by the elastic is maintained unimpaired. We must further say that the new cut and style of the gusset add to the neat appearance of the boot and make it most attractive to the eye. Every gusset bears the mark of the maker, who guarantees the rubber not to slip and to be of such a quality as will ensure satisfaction to the wearer. It can be made in any material or fitting, and at a very small cost over

'The Ashleigh'
Registered.

PARTNERS { W.M. EVANS,
W.M. EVANS, JUN'R.

WILLIAM EVANS,

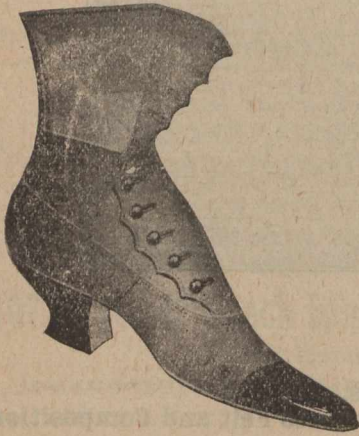
Wholesale
High
Class

.. Boot and Shoe Manufacturer ..

ASHLEIGH SHOE WORKS,
Brunswick Street.

LEICESTER, - England.

Special prices to Canadians under the New
Preferential Tariff.



that of the ordinary side-spring boot. If we are not mistaken, there is a great future for the "Go on Easy" boot.

Whilst this novelty is Mr. Walton Carr's great speciality, it will be understood that it is by no means the only kind of boot turned out from his factory. He is a maker of 4 x 6, 7 x 10, 11 x 1, and ladies' in all styles, shapes, and fittings, and in all materials, and the reputation of his goods is so high and so widely known in the trade that no recommendation of ours can be needful.

Write for illustrated price list, etc. Lower cost of duty under new tariff. Address: Walton Carr, Jun., Asfordby Street Works, North Evington, Leicester, England.

W. PRESTON & SON.

[ELASTIC BOOT WEBS.]

Those who favor elastic boots, or congress shoes as they are called in the United States, are not long in

OILS.

The IMPERIAL OIL COMPANY, Ltd.

—REFINERS AND MANUFACTURERS OF—

CANADIAN PETROLEUM PRODUCTS,

Under New Patent Process

Refined Oils, Benzine, Napthas and Gasolenes, Lubricating Oils, Greases
Paraffine Wax Candles, Fuel Oils, &c.

Refineries: SARNIA and PETROLIA, Ont.

Branches:

MONTREAL, P.Q. ST. JOHN, N.B. HALIFAX, N.S. WINNIPEG, Man.
VANCOUVER, B.C.

—SELLING AGENTS FOR PROVINCE OF ONTARIO—

The QUEEN CITY OIL COMPANY, Limited,

Head Office: TORONTO, Ont.

Branches: OTTAWA, HAMILTON, LONDON, KINGSTON, and other Stations in
Provinces of Ontario.

Cable address: "FRIMAIRE, LONDON."

Codes used: A 1., A B C, 4th & 5th Ed., Agers & Private Codes

FRY, MARRIAN & WELLS,

Head Office, - - 3 Mincing Lane, E. C., London, Eng.

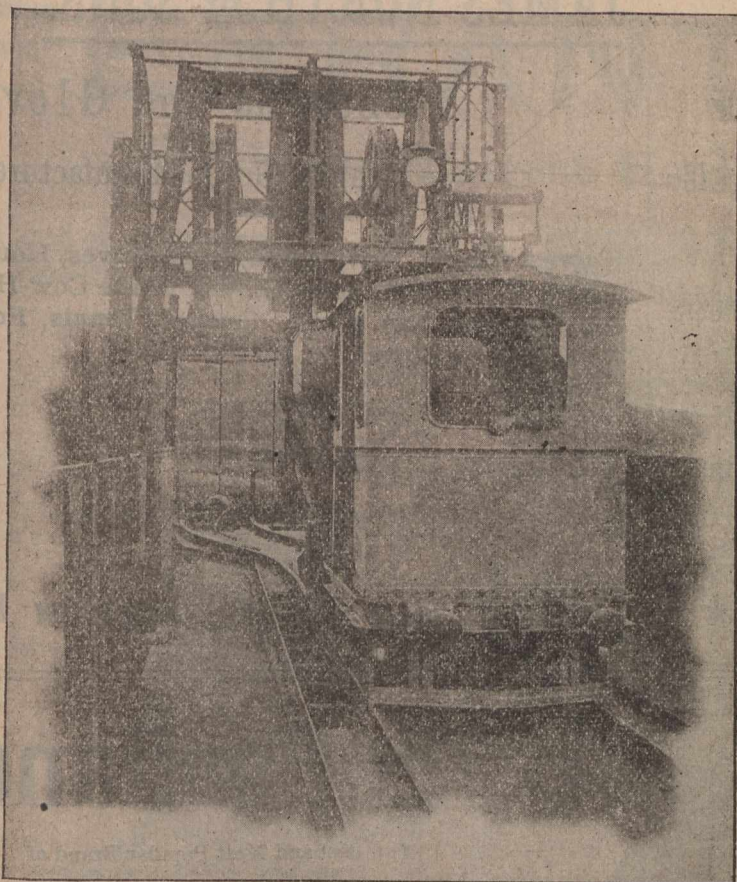
and ENGLISH HARDWARE
CUTLERY GOODS.

SOLE EXPORT AGENTS FOR

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

Special Terms to Canadians under the new Preferential Tariff.

Correspondence Invited.



Telegrams :— "CLUNCH, LONDON."

THE
International Electrical
Engineering Company,

Clun House, Surrey Street,
Strand, LONDON. W.C, Eng.

MANUFACTURERS OF

Electric Lighting Traction 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.

Special prices to Canadians under the New Tariff.

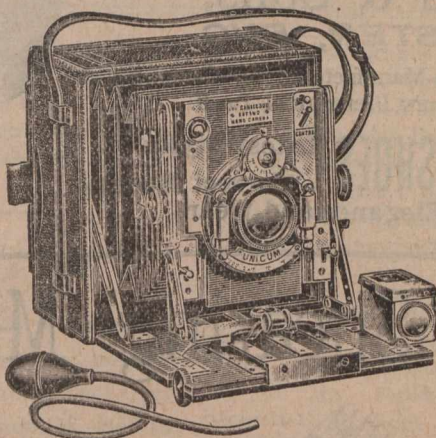
Works : TOOTING.

Cable Address : "BROMIDE, London."

Photographic Apparatus & Materials

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Complete
Price
List,
800
Pages,
Post
Free.



Plates
Papers
Chemicals
Cameras
Mounts
Albums
and all
Sundries.

GEORGE HOUGHTON & SON,

Manufacturers and Dealers

88 & 89 High Holborn, London, W.C., England.

Special prices to Canadians under the New Preferential Tariff. F.O.B. London, Eng.

learning that even in such a compara-
tively small portion of a boot there are
several qualities used. It is quite com-
mon for a shoe salesman to be told,
on introducing an elastic side boot,
"I prefer them, only that the elastic
gives out and they neither look well
nor fit any more." The firm of Messrs.
W. Preston & Son, Wharf street, Lei-
cester, England, are known far and
near for the durability which attaches
to their elastic webs. They number
among their steady customers hun-
dreds of leading manufacturers, which
is the best introduction for the quality
of goods they manufacture.

Of course, there is such a thing as
elastic web becoming brittle through
age. Oftentimes the retail boot and
shoe dealer has only himself to blame
for the transient existence of the web
in shoes he has sold, having probably
purchased them at a bankrupt sale,
or held them for years rather than
push them off while yet they retained
the good that was originally put in
them.

Eclectic Steel Co., Limited,

Princess Street Works,
SHEFFIELD, Eng.

MANUFACTURERS OF

CRUCIBLE CAST STEEL

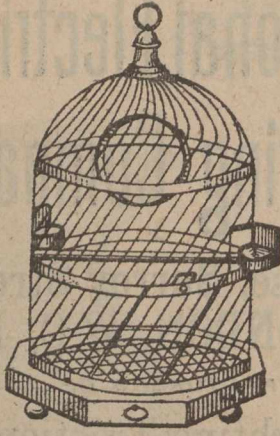
FOR ALL PURPOSES.

Special Miners Drill Steel
Ground and Polished Steel for Shafting.

SPECIAL NOTE.—This Special Steel is manufactured for
the Canadian Market, under the new preferential tariff,
33 1/2 per cent. in favour of the English makers.

S RAMSEY & Co.,

Manufacturers of BIRD CAGES
of every description, SIEVES, SCREENS, &c.



Aviaries, Parrot
Cages, Fire-
guards, Nursery
Fenders.

Illustrated Catalogues
Mailed Free on Application.

198, 200, 202a,
ST. JOHN ST.,
(Works, Cyrus St.,)
LONDON, E. C., ENG.

33 1/3 in favour of Canadians, under the New Tariff.

Telegraphic :
"Methodical, London."

JAMES NORTH & SONS,

Chamois and Gloves
...AND...
Athletic Goods Manufacturers.

Harvest Gloves, Driving and Dress Gloves, House-
maids' Gloves, Gardening Gloves, White Cow-Hide
and Seal and Tan Mitts. Cricket, Tennis, Foot-
balls, Boxing Gloves.

**CASH
BAGS,**

DRESSERS AND MANUFACTURERS.

Godley Mills,
and Tower Street Works.

HYDE Manchester Eng

INVESTMENTS.

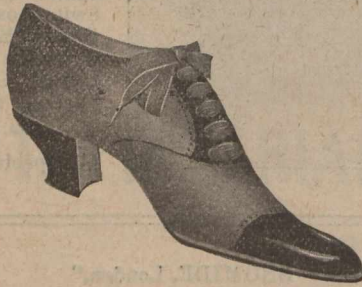
Opportunities for safe investments in
Canada, at 4 to 5 per cent. Corres-
pondence invited.

Address : INTEREST,
P.O. Box 576,
Montreal, Canada

In a late copy of a Leicester, Eng.,
trade journal we find the following
reference to Mr. Arthur R. Moss, the
present owner of the business:—

Moss, Arthur R., is proprietor and
manager of Messrs. W. Preston & Son,
of Wharf street Mills, Leicester, a well-
known firm in the wholesale trade,
for their elastic boot webs, which they
supply in large quantities, both for
home use and for foreign and colonial
export, and their trade marks, the
"Red Boot" and "Gusset Brands," are
well known in most parts of the world.
The business is not only extensive,
but also old established, having been
founded in 1857, while the present pro-
prietor has been connected with it for
twenty-five years, during which time
he has been through every depart-
ment of the trade, a fact to which his
brilliantly successful management may
be ascribed to a great extent. The late
proprietor of the business, Mr. Preston,
retired in September, 1897, and from
that date Mr. Moss took it over, and
under his management has succeeded
in retaining the high standard that had
been previously reached. A tribute to
the way in which the business has been
carried out is to be found in the fact
that they still have regular customers
on their books who have been trading
with them for as long as forty years,
and many houses have been doing so
for various shorter periods. Mr. Moss
attributes the steady growth of the
firm to always endeavoring to place a
reliable article on the market, and to
treating customers in a fair and hon-
orable manner.

This firm make a specialty of exp-
ort trade, and under the new prefer-



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.

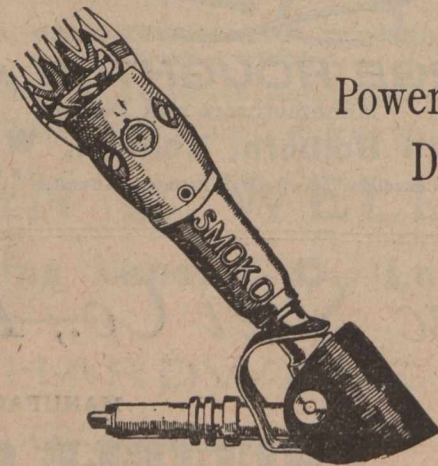
These Shoes are Manufactured for Canadians at
33 1/3 p c. under the new Preferential Tariff.

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.

FERRANTI LIMITED

Continuous Current House Service Meters.

Are used on all Important
English Systems.

Write for Descriptive Pamphlet,
Free on Application.

A.B.C. Code Used.



WORKS AND OFFICES

HOLLINWOOD, = Lancashire, Eng.

ential tariff in favor of English and Canadian trade, would be pleased to hear from new trade in Canada. Write for prices, etc., to Messrs. W. Preston & Son, Wharf street, Leicester, Eng.

HENRY DAVEY & SONS.

A prominent firm in the manufacture and design of boot and shoe models, wood and iron lasts, knives, boot-trees etc., for the export trade, is that of Messrs. Henry Davey & Sons, Cumberland Works, Belgrave Road, Leicester, Eng. The name of H. Davey & Sons is already so well known on lasts, etc., that we need make but little further mention, except as regards Canada, where the rapid growth of the country and the starting up of many new enterprises necessitates reminding those new in the trade of where durable materials can be purchased at the lowest possible cost.

We would draw the attention of our readers to the further fact that there is now in existence a tariff very favorable to our people across the water in so far as their extending their dealings with the Dominion of Canada is concerned. A discount of 33 1-3 per cent. off duty is a large item, and admits of English goods landing here at a much less cost than heretofore. Un-

der these favorable considerations the firm of Messrs. Henry Davey & Sons are most desirous of acquainting those interested in this line throughout Canada that they are in a position to fill all orders, great or small, with the utmost despatch, and in such way that further dealings will be likely to result.

In the manufacture of boots and shoes there is being given, in recent years, much greater attention, owing to the rapid strides toward perfection of shape which have characterized the manufacturing trade. To get at the base of all shapes we must go back to the last. Those who design and make the lasts are responsible for millions of blessings, or perhaps, imprecations, every day of the year, not even excluding Sundays, so that the designing of boot and shoe lasts carries with it more of good or evil than perhaps even the maker is always aware of. The designs turned out by the firm of Henry Davey & Sons are acknowledged to be strictly up-to-date and combining always whatever improvements the world of science can create. The manufacturing trade throughout Canada would serve their interests by communicating with the firm and thereby keeping fully in touch with the latest improved designs in the manufacture of boots, shoes, slippers, sandals, etc. Write for illustrated price list, etc., to Henry Davey & Sons, Cumberland Works, Leicester, Eng.

PATENT REPORT.

The following complete weekly list of patents granted to Canadians is furnished by Messrs. Fetherstonhaugh & Co., patent solicitors, Canada Life Building:—Canadian patents.—H. Cartwright, rail joints; F. W. Warner, gasoline burners; J. Montpetit, grooving machines for sheet metal-ware; D. McKenzie, combined baby-carriage and sleigh; C. R. de le Sabliere, children's go-carts or chairs; L. Bolvin, automatic decoupling attachments; E. A. Le Sueur, process and apparatus for effecting electrolytic decomposition; J. N. McKim, nebulizers; J. N. McKim, inhalers; F. M. Wolfe and J. Frayer, lawn mowers; F. Alexander, boilers; J. W. Mann, cultivators; D. W. Robb, steam boilers; F. Culham, cattle guards; F. Berube, car brake; W. Richmond and W. H. Wortman, hay forks. American patents.—J. D. Caldwell, vehicle-bell; J. D. Caldwell, shingle-edging machine; F. N. Denison, combined electric log and speed-recorder; W. J. Dobbin, grain-drill; R. O. Hopkinson, lifting jacks; William McKos, pneumatic stacker; B. Menard, trap-valve.

Owen N. Evans, solicitor of patents and expert, Temple Building, reports the following patents granted to Canadians:—United States.—Machine for moulding concrete fence-posts, C. H.

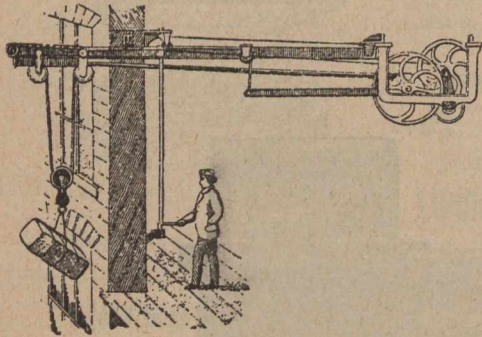
JOHN BARKER & SONS, LIMITED,

Park Street Iron Works, - OLDHAM, Eng.

Original Inventors, Patentees and
Sole Makers of

Barker's Self-Landing & Delivering Hoists

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



Barker's Patent Self Landing and
Self Delivering Hoist.

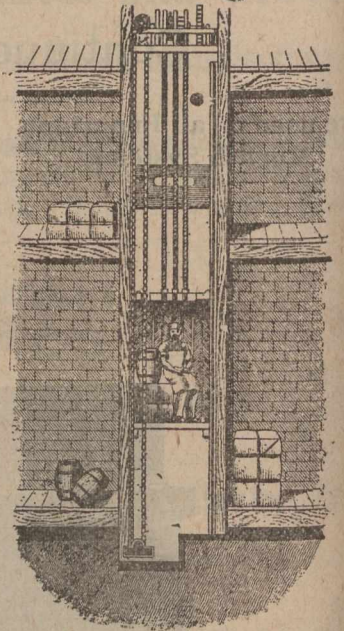
Makers of all kinds of

CAGE HOISTS and LIFTS to work by
Hydraulic, Electric, Gas or Steam
Power. Many Thousands Supplied.

.... ALSO OF

.. OVERHEAD TRAVELLING and Other CRANES ..

Barker's Patent Self-Closing and Lock
ing Doors for Hoist Well Openings.
All kinds of Mill Gearing, Machine
Made Wheels, Shafting, &c



Cage Hoist.

If Canadians purchase these Cranes in England,
they have 33% per cent. in their favour under
the new Preferential Tariff.

Hutchings; cold-iron shears, J. C. Bur-
gess; attachment for bob-sleighs, R.
McArthur; valves, C. H. Stainton et al;
knob attachments, S. Fader; water-
heating apparatus, J. R. Hill; folding
bed, J. A. Lesperance; ball-bearing, J.
E. Y. Rochester; wood-preserving com-
pound, C. Schallberger. Canada—Rail-
way ties, T. Buchanan; hand hoes,
Wm. J. Ruddell; threshing machines,
C. J. Smith; air coolers and purifiers,
C. W. Vollmann; potato digging im-
plements, A. O'Connor; brushes, Jas.
E. Currie, Jr.; car fenders, Jos. Poirier;
pistons, Jno. Morrissett; broom clasps,
F. S. Smith; boot and shoe holding ap-
pliances, Geo. A. Watson; gasoline
burners, A. O'Boone; coal oil and pe-
troleum heaters, R. Stokes.

WILLOW-PATTERN CHINA.

—The indigo blue willow pattern on
china is one that has been largely used

STOCKS AND BONDS—INSURANCE COMPANIES—CANADIAN.—Montreal Quotations Dec. 2, 1902.

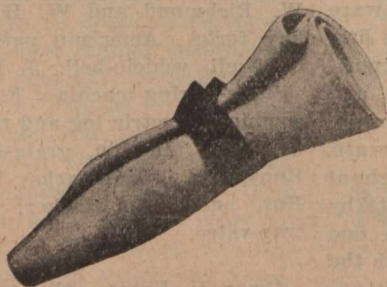
NAME OF COMPANY.	No. Shares.	Last Dividend per year.	Share par value.	Amount paid per Share.	Canada quotations per ct.
British American Fire and Marine....	15,000	3 1/4-6mos.	\$50	\$50	96
Canada Life.....	2,500	4-6mos.	400	400	160
Confederation Life.....	10,000	7 1/2-6mos.	100	10	....
Western Assurance.....	25,000	5-6mos.	40	20	97
Guarantee Co. of North America.....	13,372	5	50	50	....

BRITISH AND FOREIGN.—Quotations on the London Market, Nov. 22, 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.	50	5	26	52 1/2
British and Foreign Marine.....	67,000	25	20	4	19	20
Caledonian.....	21,500	12s. p.s.	25	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	....	....
Lancashire Fire.....	136,493	5	20	2	....	....
Lion Fire.....	100,000	3	25	1 1/2	....	....
London and Lancashire Fire.....	85,100	22	25	2 1/2	19	20
London Assurance Corporation.....	35,862	20	25	12 1/2	5 1/2	5 1/2
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.....	30,800	*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	*33 1/2	100	12	105	108
Phoenix Fire.....	53,776	35	50	5	30	31
Royal Insurance Fire and Life.....	125,214	58 1/2	20	....	49 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.

Panama • Hat • Company,
LIMITED,
59 Gresham Street,
LONDON, E.C., ENGLAND.



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

C. & A. MUSKER, LTD.,
LIVERPOOL, ENGLAND.

MANUFACTURERS of every DESCRIPTION of

Hydraulic & Electric Machinery.

Dock Machinery, Presses, Accumulators, Valves, Tube
Coal Tips, Capstans, Stavers, Dynamos,
Pumping Engines, Lifts, Power & Lighting Plants,
Intensifiers. Motors, Cranes.
Hydraulic Machine Tools, Steam Motor Wagons,
Concrete Flag Making Machinery.

Telegraphic Address: "Muskers Liverpool."

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

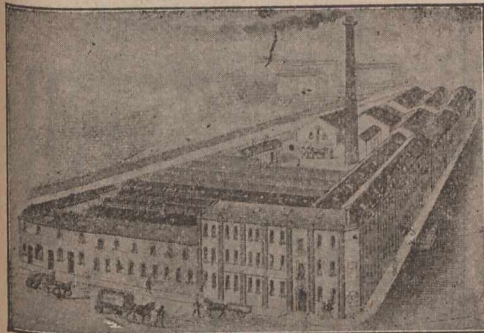
MILLS BROTHERS, LTD.

Registered Office: Lowermoor Leather Works.
OLDHAM. ENGLAND.

Tanners and Dressers of Welsh, English, Calf, Persian, and Goat Roller Skins.

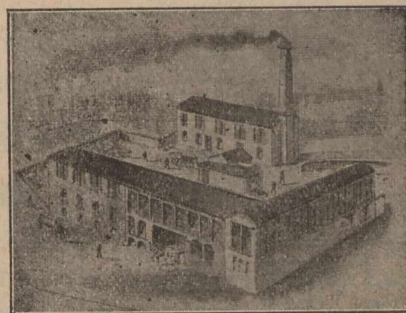
MANUFACTURERS
OF

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.



Tannery: Blackley.

A Reliable and Practically Unbreakable Bicycle Frame.

THE BIRTWISLE HYDRAULIC JOINTING SYNDICATE, LD.,

Worsley St.,
HULME, Manchester, Eng.

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.

by English potters, who adopted it from the Chinese decorators. The patterning is familiar to those people. To the right is a lordly mandarin's country seat, two storeys high, to show the rank and wealth of the possessor. In the background is an orange tree, and in the foreground a pavilion, to the right of which is a peach tree in full bearing. The estate is enclosed by an elegant fence. At one end of the bridge is the famous willow tree, and at the other the gardener's cottage, one story high, and so humble that the grounds are wholly uncultivated, the only green thing being a small fir tree at the back. At the top of the pattern, on the left-hand side, is an island, with a cottage; the grounds are highly cultivated, and much has been reclaimed from the water. The two birds shown are turtle doves. The three figures on the bridge are the mandarin's daughter, with a distaff, nearest the cottage, the lover, with a box, in the biddle, and nearest the willow tree, the mandarin with a whip. The tradition on which the pattern is founded is a most romantic one. The mandarin had an only daughter, named Li-chi, who fell in love with Chang, a young man who lived in the island home, represented at the top of the pattern, and who had been her father's secretary. The father overheard them one day making vows of love under the orange tree, and sternly forbade the unequal match; but the lovers contrived to elope, lay concealed for a while in the gardener's cottage, and thence made their escape in a boat to the young lover's island home. The enraged mandarin pursued them with a whip, and would have beaten them to death had not the gods rewarded their fidelity by changing them into turtle doves. The picture is called the willow pattern, not only because it is a tale of disastrous love but because the elopement occurred "when the willow begins to shed its leaves."

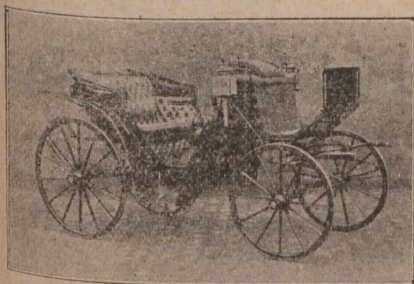
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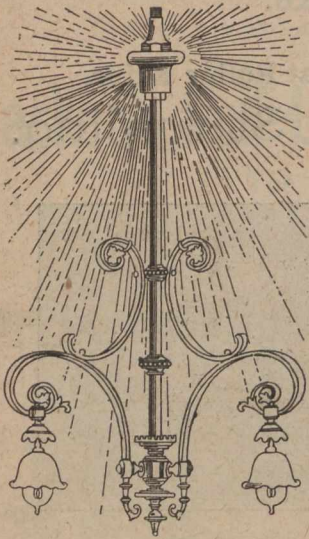
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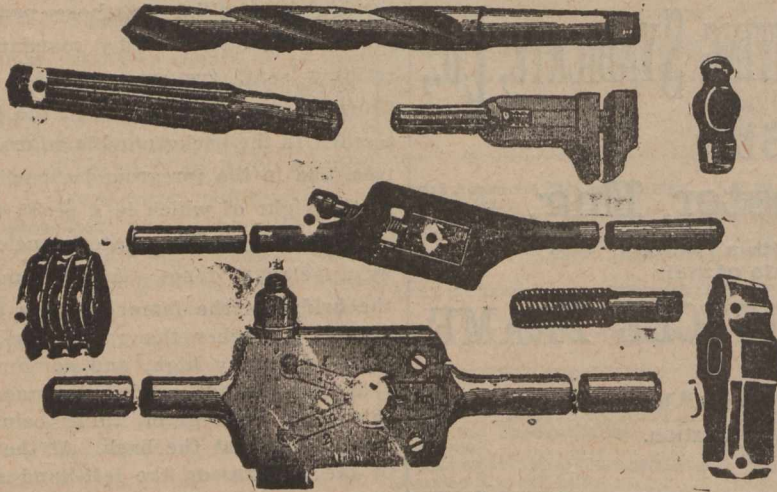
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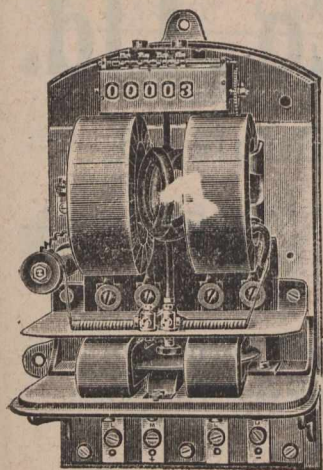


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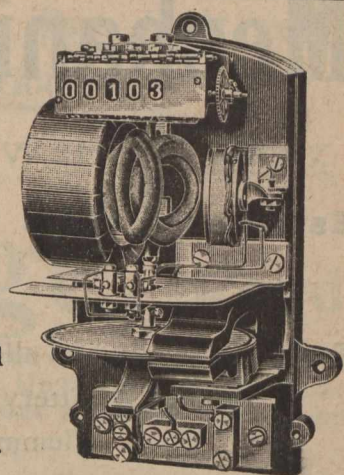


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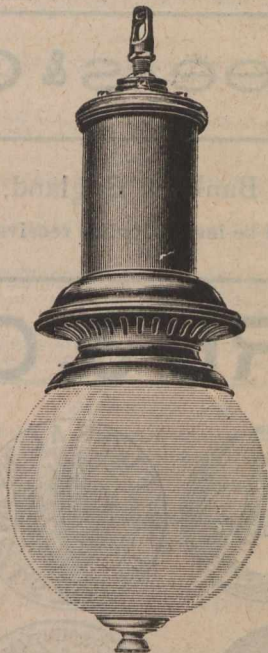
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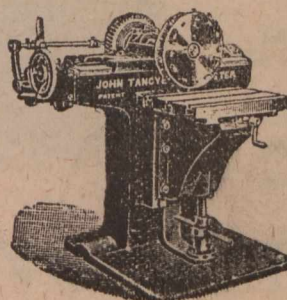
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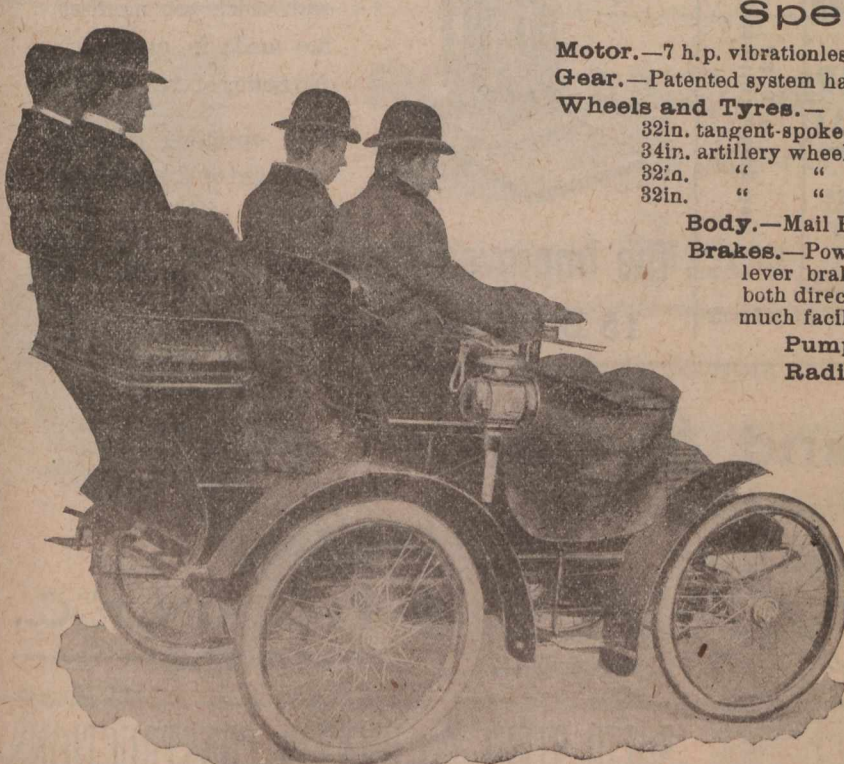
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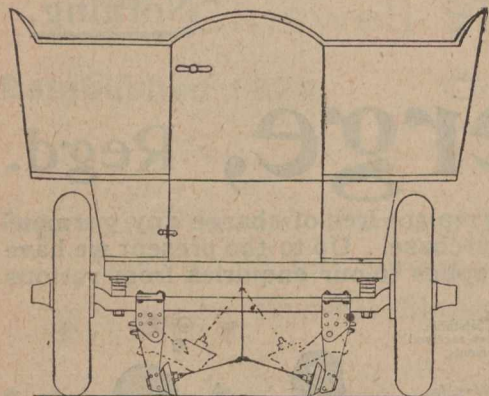


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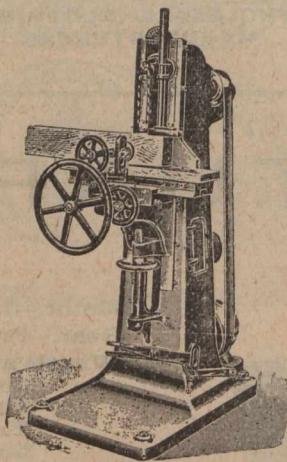
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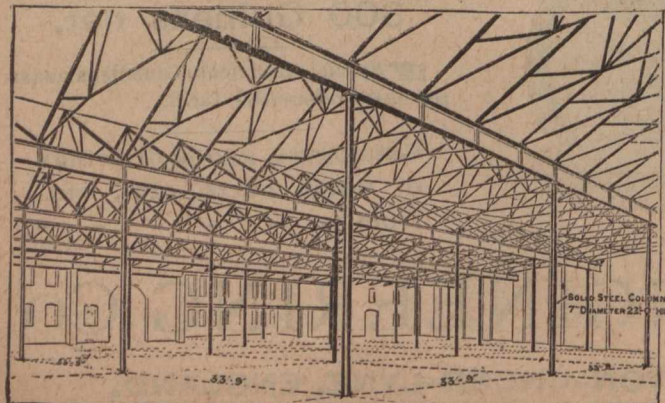
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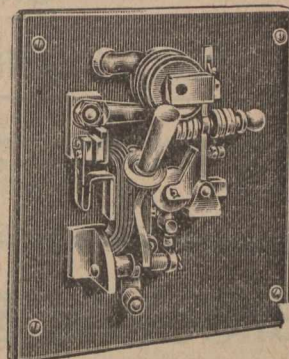
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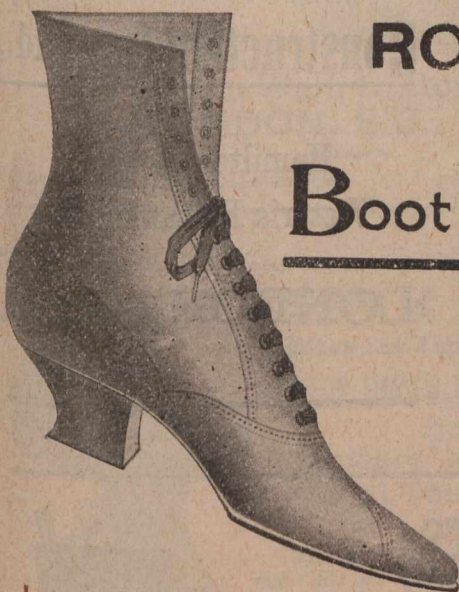
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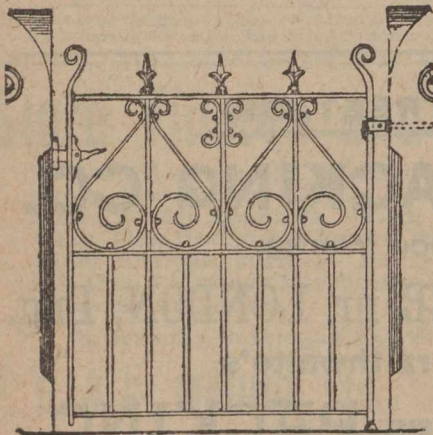
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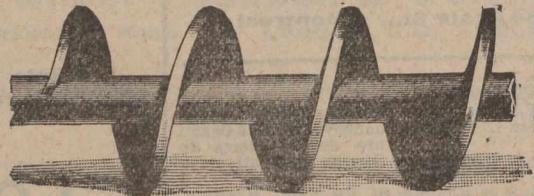
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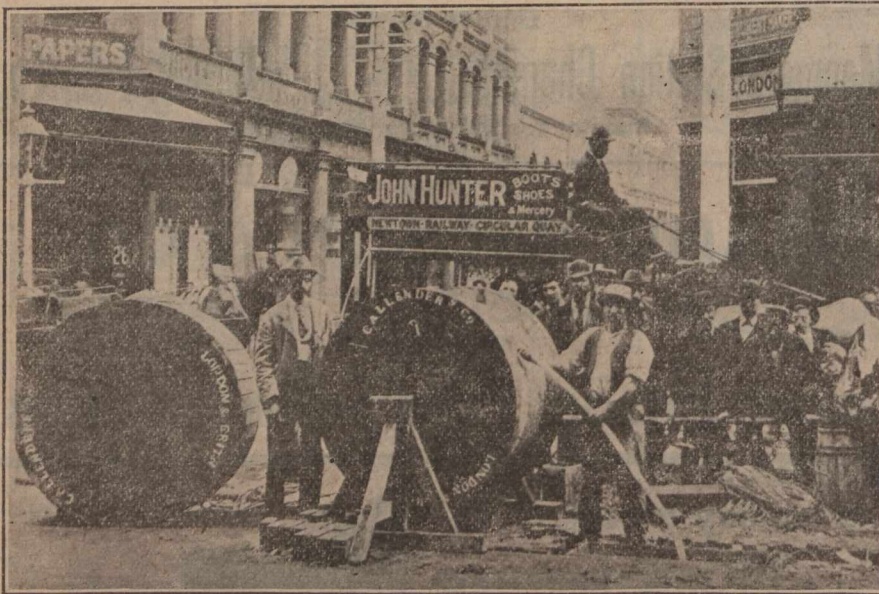


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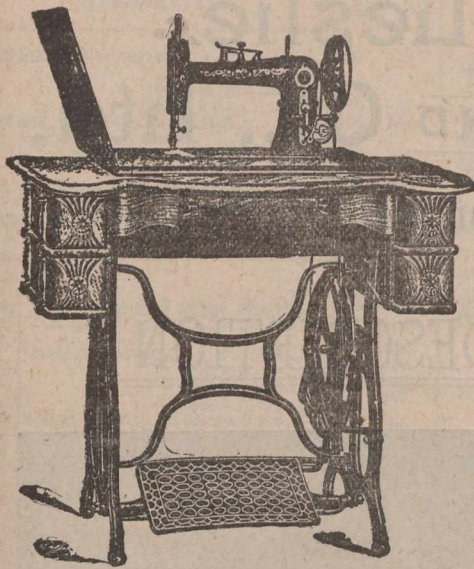
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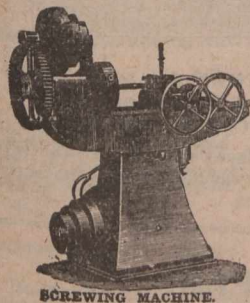
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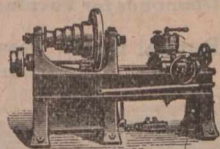
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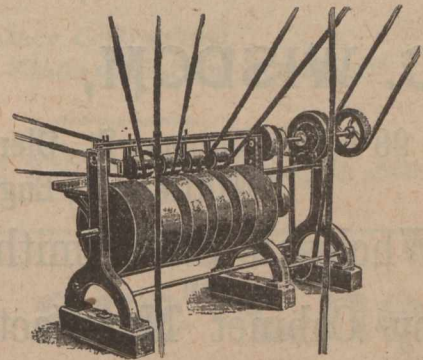
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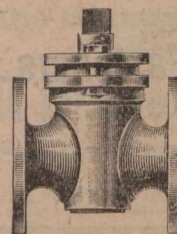
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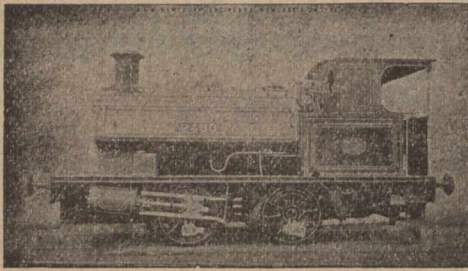
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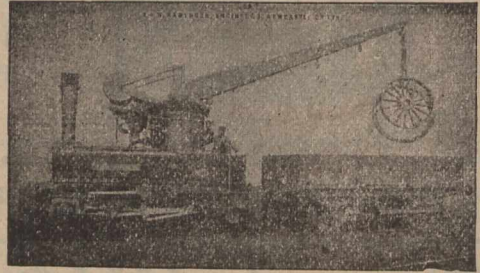


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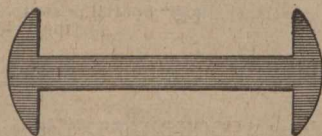
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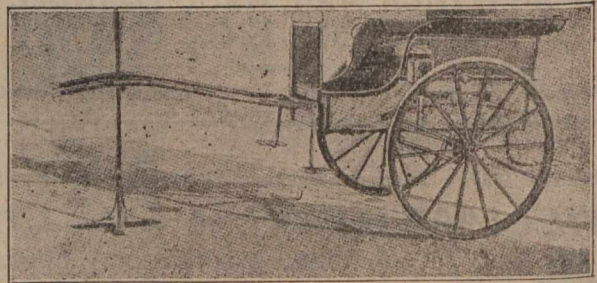
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3 per cent. loan, 1888-99	101	103
Debs. 1884, 3 1/2 per cent	88	90
2 1/2 p.c. loan, 1897	108	110
Manitoba, 1885-6, 5 p.c.		

Sms	Railway and other Stocks.	Nov. 20
	Quebec Province, 5 p. c., 1874.....	100 105
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	1880, 4 1/2 p.c.	104 106
	1883, 5 p.c.	109 112
100	Atlantic & Nth. Western 5 p.c. Gua	
	1st M. Bds	120 123
10	Buffalo & Lake Huron \$10 shr.	13 1/2 14 1/2
	do 5 1/2 p.c. bonds	137 141
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	Canadian Pacific \$100	132 1/2 133
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	1st M.	100 102
100	Grand Trunk of Canada Ord. stock.	16 1/2 16 3/4
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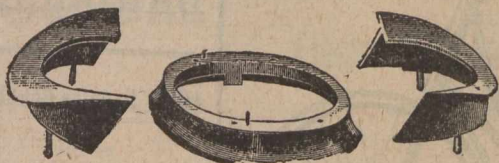
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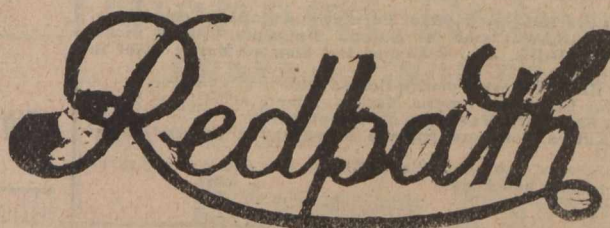
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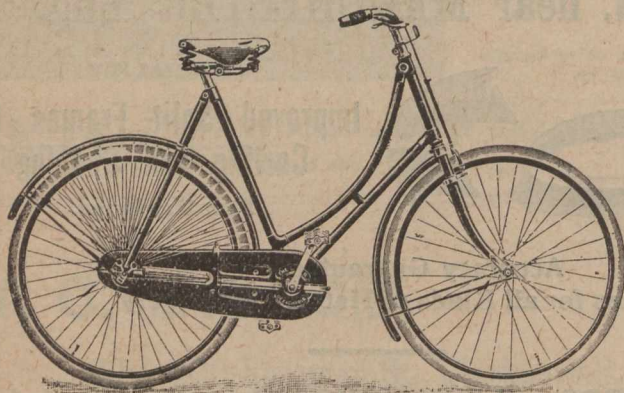
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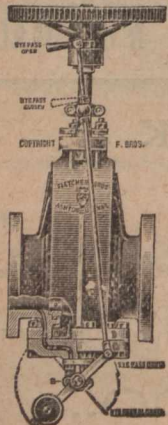
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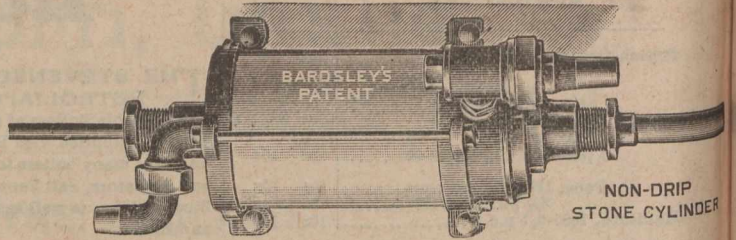
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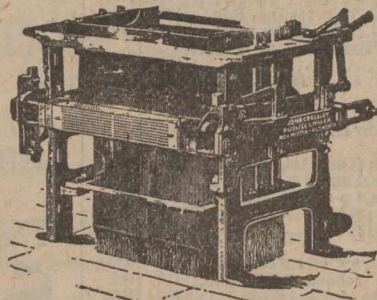
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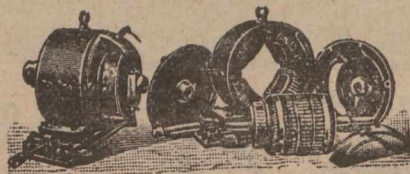
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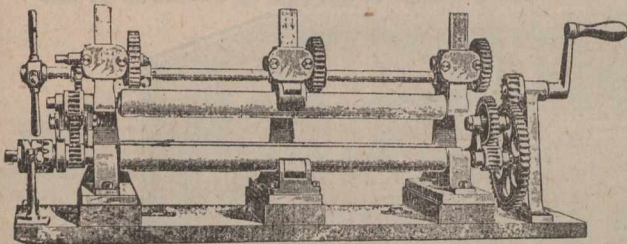
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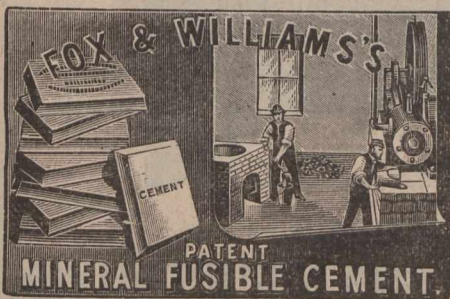
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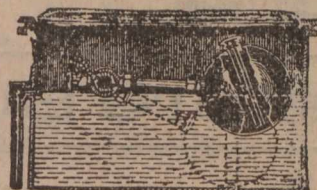
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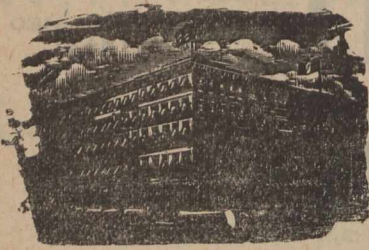
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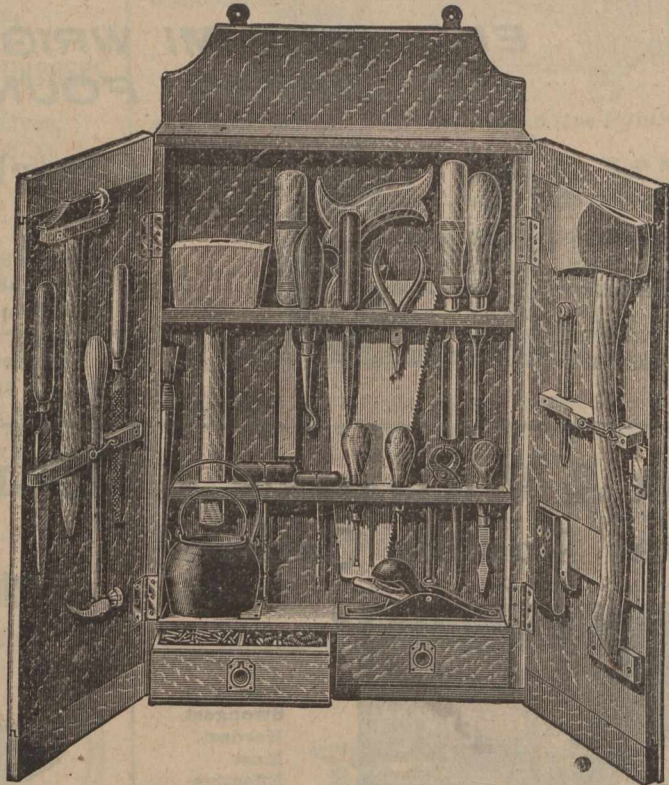
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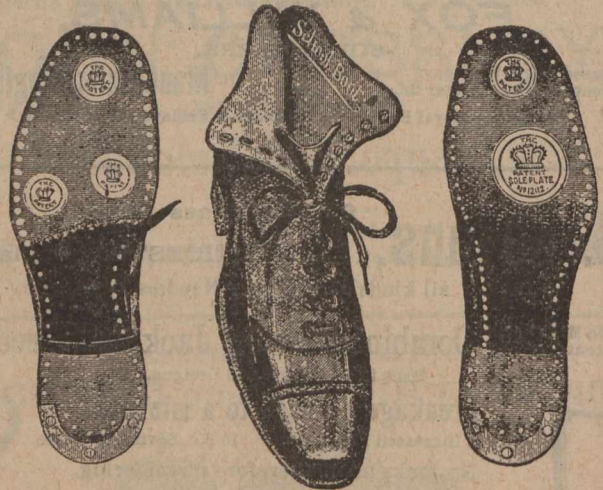
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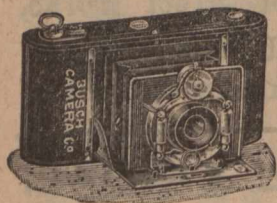
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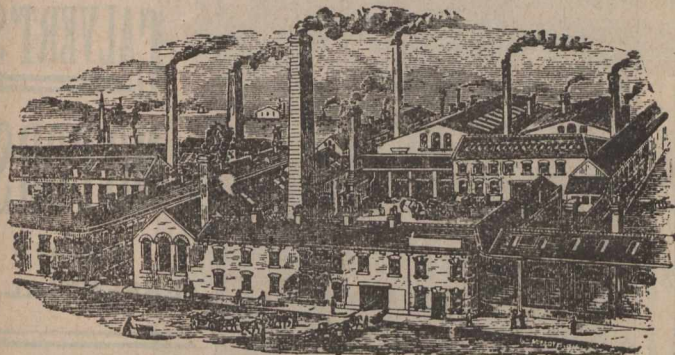
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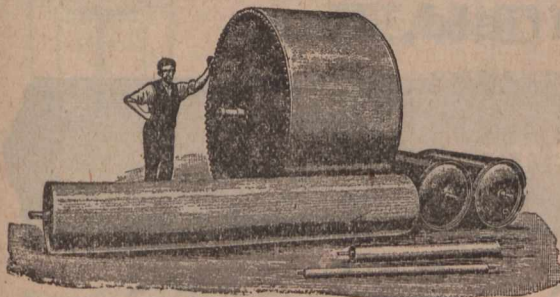
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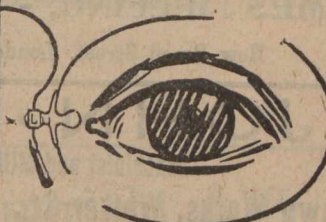
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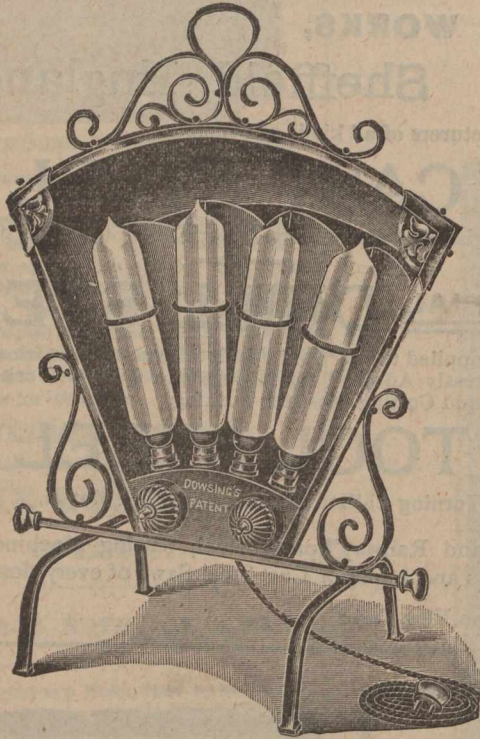
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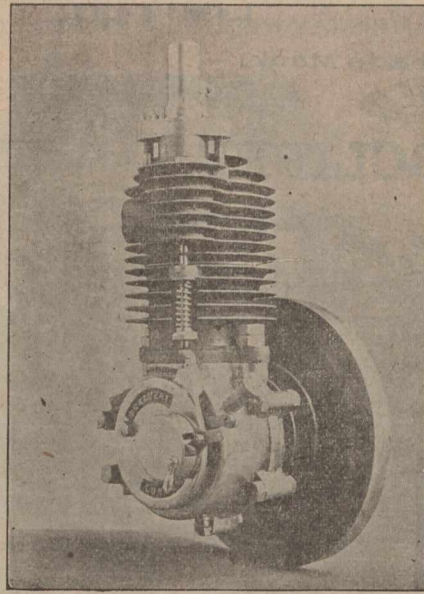
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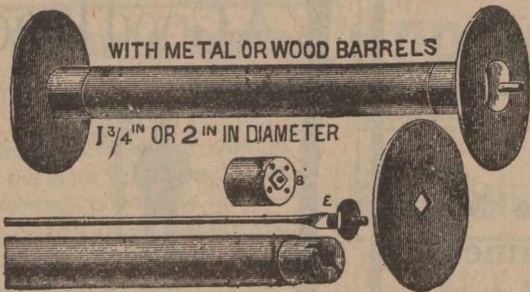
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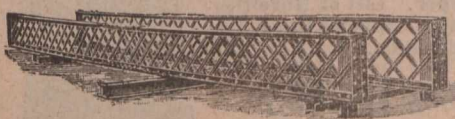
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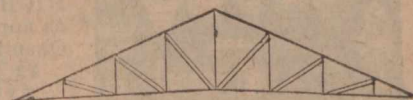
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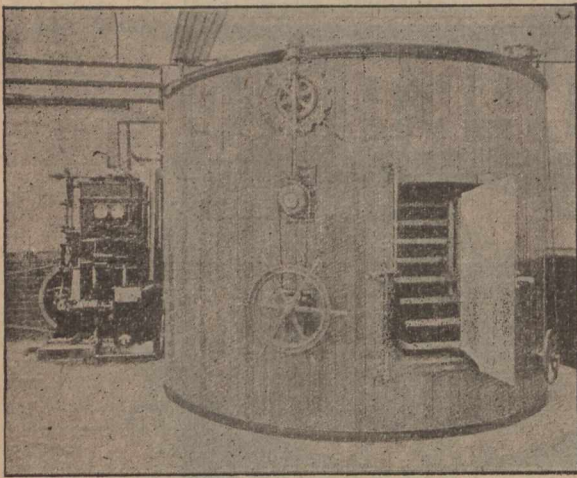


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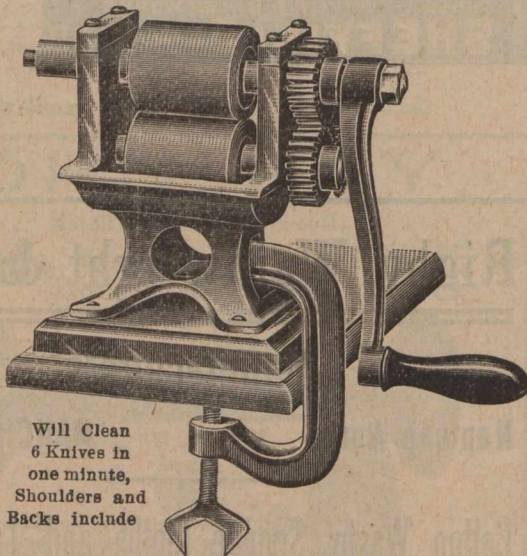
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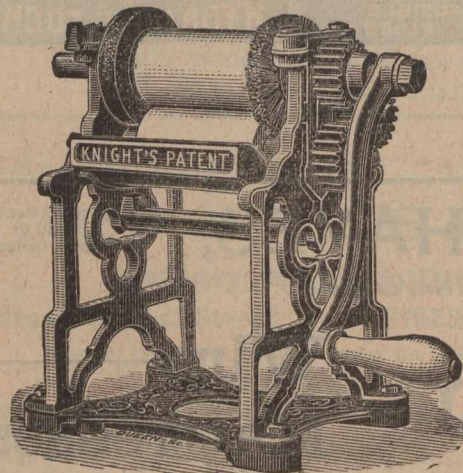
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Surplus to Policyholders	- - -	1,029,075.64
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Assets,	\$1,776,606.45
Losses Paid since organization, ..	\$19,946,517.73

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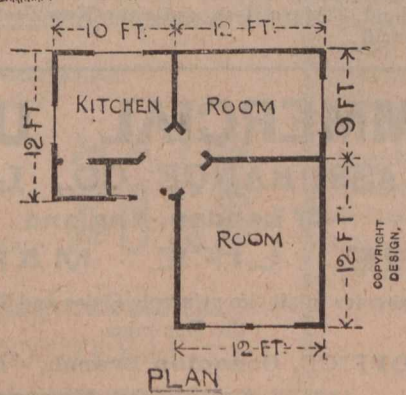
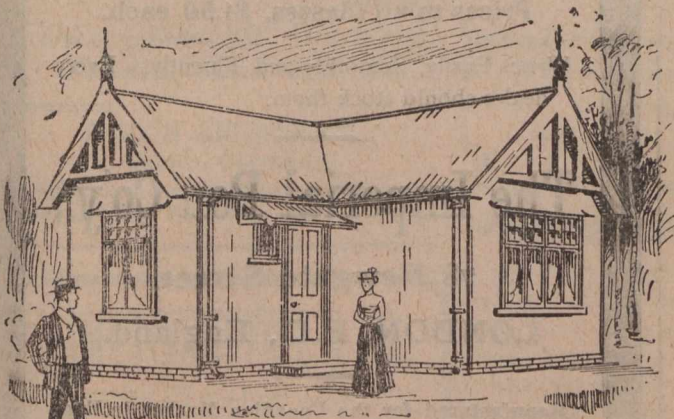
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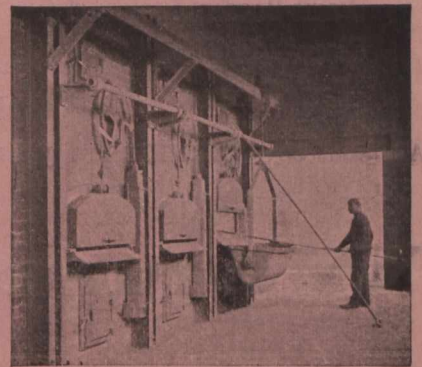
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