

The Linde British Refrigerator Co., Ltd.  
301 ST. JAMES ST., - MONTREAL.  
SOLE MANUFACTURERS  
COLD-AIR-CIRCULATION SYSTEM.

Over 3,200 Machines Sold.  
Special Machines for DAIRIES, BUTCHERS, Etc.  
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345

THE CANADIAN  
**JOURNAL OF COMMERCE**  
FINANCE AND INSURANCE REVIEW.

Vol 55 No 4.  
NEW SERIES

MONTREAL, FRIDAY, JULY 25, 1902.

M. S. FOLEY,  
EDITOR AND PROPRIETOR

**McINTYRE SON & Co.,**

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IMPORTERS of DRY GOODS.

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LINENS,  
SMALL WARES,  
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An old established (1828) and highly respectable House in the

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having a large connection with the Best and Leading Houses in England, and a large staff of travellers, are open for an Agency in the **Canned Goods and General Produce Line.** Highest references given.

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**LEE & NIGHTINGALE,**  
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**ROOFING AND ASPHALTING**

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Metal Cornices, Skylights, &c.,  
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&c.

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Richmond Straight Cut,  
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We have never shown a more extensive line of . . .

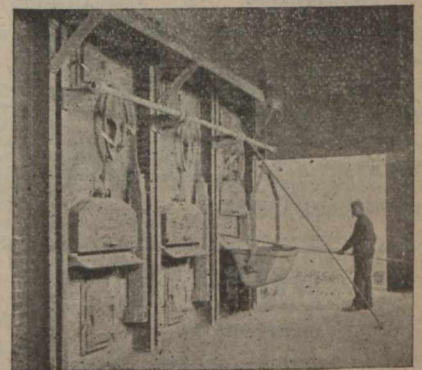
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Our Tailors' Trimming Dep't is also more than usually complete.

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VICTORIA SQ., - MONTREAL.

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Canadians can purchase these furnaces at 88 1/2 p.c. cheaper than any other Country.

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AND FURS**

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HIGHEST AWARDS at TWELVE International Expositions.

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The Chartered Banks.

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(ESTABLISHED 1817.)

Incorporated by Act of Parliament.

Capital (all paid up) \$12,000,000.00  
 Reserved Fund. - 8,000,000.00  
 Undivided Profits. - 165,556.09

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 R. G. Reid, Esq.

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

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 " Seigneurs St. Branch.  
 " Point St. Charles Branch.

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Brantford, " "	Pictou, " "	Sydney, N.S.
Brockville, " "	Sarnia, " "	Calgary, Alta.
Chatham, " "	Stratford, " "	Lethbridge, Alta.
Cornwall, " "	St. Mary's, " "	Regina, Ass't.
Deseronto, " "	Toronto, " "	Winnipeg, Man.
Ft. William, " "	" " "	" " "
Goderich, " "	" " "	" " "
Guelph, " "	" " "	" " "
Hamilton, " "	" " "	" " "
Kingston, " "	" " "	" " "
Lindsay, " "	" " "	" " "
London, " "	" " "	" " "
Ottawa, " "	" " "	" " "

IN NEWFOUNDLAND:

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 Chicago—Bank of Montreal, J. W. de C. O'Grady, manager.

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 " The Union Bank of London.  
 " The London and Westminster Bank.  
 " The National Provincial Bank of England.  
 Liverpool—The Bank of Liverpool, Ltd.  
 Scotland—The British Linen Company Bank, and Branches.

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

Montreal, 30th April, 1902.

**THE BANK OF TORONTO.**

INCORPORATED 1855.

HEAD OFFICE: TORONTO, CANADA.

Paid-up Capital - - - - \$2,500,000  
 Reserve Fund - - - - 2,600,000

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 WM. H. BEATTY, Esq., - Vice-President.  
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 Robert Reford, Esq., Charles Stuart, Esq.,  
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 John Waldie, J. hn J. Long.

DUNCAN COULSON, - General Manager.

Joseph Henderson, - Assistant General Manager

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Montreal,	Gananoque,	Sarnia
" Pt. St. Charles	London.	Stayner,
Barrie,	London East.	St. Catharines.
Brockville,	Peterboro',	Wallaceburg.
Cobourg,	Petrolia,	

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Chicago—First National Bank.

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Established in 1836.

Incorporated by Royal Charter in 1840.  
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 Reserve Fund, - - - - 365,000 stg.

London Office, - 5 Gracechurch St., E.C.  
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 John James Cater, Frederic Lubbock,  
 Richard H. Glyn, George D. Whatman,  
 Ed. Arthur Hoare, Henry R. Farrer,  
 M. G. C. Glyn.

Secretary A. G. Wallis.  
 Head Office in Canada, St. James street, Montreal

H. STIKEMAN, General Manager.  
 J. ELMSLY, Inspector.

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Brantford,	Halifax, N.S.,	Greenwood,
Hamilton,	St. John, N.B.,	Victoria,
Toronto,	Fredericton,	Vancouver,
Kingston,	Yukon District,	Rosland,
Midland,	Dawson City,	Esale.
Ottawa,	Winnipeg, Man.	
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Foreign Agents—Liverpool—Bank of Liverpool.  
 Scotland—National Bank of Scotland, Limited, and branches. Ireland—Provincial Bank of Ireland, Limited, and branches; National Bank, Limited, and branches. Australia—Union Bank of Australia. New Zealand—Union Bank of Australia. India, China and Japan—Mercantile Bank of India, Limited. West Indies—Colonial Bank, Paris—Messrs. Marcuard, Krauss & Cie. Lyons—Credit Lyonnais.  
 Issue Circular Notes for Travellers, available in all parts of the world.

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Incorporated by Act of Parliament, 1855.

HEAD OFFICE: MONTREAL.

Paid-up Capital, - - - - \$2,500,000  
 Reserve Fund, - - - - 2,150,000

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 H. Markland Molson, Lt.-Col. F. C. Henshaw.  
 JAMES ELLIOT, General Manager.

A. B. Durnford, Chief Inspector and Superintendent of Branches; W. H. Draper, Inspector.

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

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	Montreal, St. Catherine St. Branch.	
	Montreal, "Market and Harbour"	
	Branch, Jacques Cartier Sq.	
Brockville,	" Morrisburg, Ont.	Toronto, Ont.
Calgary, Alberta,	Norwich,	" Toronto, Ont.
Chesterville, Ont.	Ottawa,	" Trenton, "
Clinton,	" Owen Sound,	" Vancouver, B. C.
Exeter,	" Port Arthur,	" Victoria, B. C.
Fraserville, Que.	Quebec, P.Q.,	Victoriaville, Q.
Hamilton, Ont.	Revelstoke	Waterloo, Ont.
Hensall,	" Station, B.G. Winnipeg, Man.	
Kingsville,	" Ridgetown, Ont.	Woodstock, Ont.
Knowlton, Que.	Simcoe,	
London, Ont.	Smith's Falls, Ont.	

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 Liverpool—The Bank of Liverpool, Limited.  
 Ireland—Munster and Leinster Bank, Ltd.  
 France—Societe Generale, Credit Lyonnais.  
 Germany—Deutsche Bank.  
 Belgium, Antwerp—La Banque d'Anvers.  
 China and Japan—Hong Kong and Shanghai Banking Corporation.

IN UNITED STATES:

New York—Mechanics' National Bank; National City Bank; Hanover National Bank; The Morton Trust Co. Boston—State National Bank; Kidder, Peabody & Co. Philadelphia—Philadelphia National Bank; Fourth Street National Bank. Portland, Me.—Casco National Bank. Chicago—First National Bank. Cleveland—Commercial National Bank. Detroit—State Savings Bank. Buffalo—Third National Bank. Milwaukee—Wisconsin National Bank of Milwaukee. Minneapolis—First National Bank. Toledo—Second National Bank. Butte, Montana—First National Bank. San Francisco—Canadian Bank of Commerce. Portland, Oregon—Canadian Bank of Commerce. Seattle, Wash.—Boston National Bank.

Collections made in all parts of the Dominion and returns promptly remitted at lowest rates of exchange. Commercial Letters of Credit and Travellers' Circular letters issued available in all parts of the world. Also "Bank Money Orders" payable at all banking points in the Dominion.

The Chartered Banks.

**THE ROYAL BANK OF CANADA.**

Capital Paid-up, - - - - \$2,000,000  
 Reserve Fund, - - - - 1,700,000

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 Thomas Ritchie, Esq., - - - - Vice-President.  
 Wiley Smith, Esq., H. G. Bauld, Esq.,  
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Bathurst, N.B.	Ottawa, Ont.
Bridgewater, N.S.	Pictou, N.S.
Caraquet, N.B.	Port Hawkesbury, N.S.
Charlottetown, P.E.I.	Rexton, N.B.
Valhonde, N.B.	Rosland, B.C.
Fredericton, N.B.	Sackville, N.B.
Grand Forks, B.C.	St. John, N.B.
Guysboro, N.S.	Shubenacadie, N.S.
Halifax, N.S.	St. John's, Nfld.
Londonderry, N.S.	Summerside, P.E.I.
Louisburg, C.B.	Sydney, C.B.
Lunenburg, N.S.	Truro, N.S.
Maitland, N.S.	Vancouver, B.C.
Moncton, N.B.	Vancouver, East End, B.C.
Montreal, Que.	Victoria, B.C.
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**ST. STEPHEN'S BANK.**

Incorporated 1836.

St. Stephen, N.B.

Capital, - - - - \$200,000  
 Reserve, - - - - 45,000

F. H. TODD - - - - President.  
 J. F. GRANT, - - - - Cashier.

AGENTS:

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 Drafts issued on any branch of the Bank of Montreal.

**THE WESTERN BANK OF CANADA.**

HEAD OFFICE: OSHAWA, ONT.

Capital Authorized, - - - - \$1,000,000  
 Capital Subscribed, - - - - 500,000  
 Capital Paid-up, - - - - 418,000  
 Reserve, - - - - 150,000

BOARD OF DIRECTORS:

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 W. F. Cowan, Esq., W. F. Allan, Esq.,  
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 Thomas Patterson, Esq.

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 Correspondents at New York and in Canada—Merchants Bank of Canada. London, England—Royal Bank of Scotland.

**THE ONTARIO BANK.**

Capital Authorized - - - - \$1,500,000.00  
 Capital Paid-up - - - - 1,399,660.00  
 Rest - - - - 425,000.00  
 Profit and Loss Account - - - - 84,411.44

HEAD OFFICE: TORONTO.

DIRECTORS:

G. R. R. Cockburn, Esq., - - - - President.  
 Donald Mackay, Esq., - - - - Vice-President.  
 Hon. J. C. Aikins, - - - - R. D. Perry, Esq.,  
 A. S. Irving, Esq., Hon. R. Harcourt, R. Grass,  
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 Boston—First National Bank.



The Chartered Banks.

**THE CANADIAN BANK OF COMMERCE**

HEAD OFFICE, - TORONTO.  
Paid-up Capital, - \$8,000,000  
Reserve Fund, - 2,000,000

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J. H. PLUMMER, Ass't General Manager.  
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Barrie Dundas Paris  
Belleville Dunnville  
Berlin Fort Frances  
Blenheim Galt Peterboro  
Brantford Goderich Port Perry Walkerton  
Cayuga Guelph St. Cath'rins Walkerville  
Chatham Hamilton Sarnia Waterloo  
Collingwood London St. Ste. Marie Windsor  
Dresden Orangeville Seaforth Woodstock

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**YUKON DISTRICT:** Dawson, White Horse.  
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Germany—Deutsche Bank, Holland—Disconto Maatschappij, Rotterdam. Belgium—J. Mathieu & Fils, Brussels. Mexico—Banco de Londres y Mexico. West Indies—Bank of Nova Scotia, Kingston, Jamaica; Colonial Bank and Branches, Bermuda—Bank of Bermuda, Hamilton. South America—British Bank of South America, London and Brazilian Bank, India, China and Japan—Chartered Bank of India, Australia & China. South Africa—Standard Bank of South Africa, Limited, Bank of Africa, Limited, Australia & New Zealand—Union Bank of Australia, Limited; Bank of Australasia, Honolulu—First National Bank of Hawaii, Bishop & Co.

**Traders Bank of Canada**

(Incorporated by Act of Parliament 1885)  
Capital Paid Up, .. 1,350,000  
Reserve Fund, .. 350,000

**Board of Directors:**  
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HON. J. R. STRATTON, Vice-President.  
John Drynan, Esq., C. KLOEFFER, Esq. M.P.,  
Toronto, Guelph.  
C. S. WILCOX, Esq., Hamilton.  
W. J. SREPPARD, Waubesaene.

**Head Office,** Toronto. General Manager.  
H. S. STRATHY, .. Inspector.  
J. A. M. ALLEY, ..

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Aylmer, Hamilton, Sarnia,  
Beator, Ingersoll, Sault Ste. Marie,  
Burlington, Strathroy,  
Drayton, Newcastle, St. Mary's,  
Dutton, North Bay, Sturgeon Falls,  
Elmira, Orillia, Sudbury,  
Glencoe, Port Hope, Tilsonburg,  
Grand Valley, Ridgeway, Windsor

**BANKERS**  
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New York—The American Exchange Nat. Bank.  
Montreal—The Quebec Bank.

**BANQUE D'HOCHELAGA.**

Capital Subscribed, - \$1,999,700  
Capital Paid-up, - 1,987,000  
Reserve Fund, - 950,000

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R. BICKERDIKE, M.P., Vice-Pres.  
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and Alphonse Turcotte, Esq.,  
Gen'l Manager  
M. J. A. PRENDERGAST, Assistant Manager  
C. A. GIROUX, Inspector  
O. E. DORAIS, Inspector

**Head Office, Montreal.**  
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Louisville, P. Q. St. Henry, Montreal  
Quebec, P. Q. 1893 St. Catherine " "  
Sorel, P. Q. 1758 " "  
Sherbrooke, P. Q. 2317 Notre Dame " "  
Valleyfield, P. Q. Hochelaga, " "  
Vankleek Hill, Ont. Three Rivers, P. Q.  
Winnipeg, Man.

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The Chartered Banks.

**BANK OF HAMILTON.**

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

HEAD OFFICE - HAMILTON,

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

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Byth, Jarvis, Port Rowan,  
Brantford, Ont., Listowel, Simcoe,  
Brandon, Man., Lucknow, Stonewall, M.,  
Carman, Man., Manitow, Man. Southampton,  
Chesley, Milton, Teeswater,  
Delhi, Mitchell, Toronto,  
Dundalk, Moose Jaw, Vancouver, B.C.  
Dundas, N. W. T. Wingham,  
Georgetown, Morden, Man. Winkler, Man.  
Gorrie, Niagara Falls, Winnipeg, Man.  
Grimsby, Orangeville,  
Hagersville, Ont. Owen Sound,  
Hamilton, E. End Palmerston,  
Hamilton, Pilot Mound.  
Barton St. Man.

**British Correspondents:**—National Provincial Bank of England [Ltd.] London.  
**American Correspondents:**—New York—Fourth National Bk. and Hanover National Bk. Boston—International Trust Co. Buffalo—Marine Bank. Chicago—Union National Bank. Detroit—Detroit National Bank. Kansas City—National Bank of Commerce. St. Louis—National Bank of Commerce.

**The Dominion Bank.**

NOTICE is hereby given that a Dividend of 2½ per cent. upon the Capital Stock of this Institution, has been declared for the current quarter, being at the rate of 10 per cent. per annum, and that the same will be payable at the Banking House, in this city, on and after

Friday, the first day of August next.  
The transfer books will be closed from the 21st to the 31st July next, both days inclusive.  
By order of the Board.  
T. G. BROUGH, Gen. Manager.  
Toronto, 26th, June 1902.

**Eastern Townships Bank.**

(Established 1850.)  
Capital Authorized.....\$300,000.  
Capital paid up.....\$1,955,285  
Reserve Fund.....1,200,000

**BOARD OF DIRECTORS:**  
WILLIAM FARWELL, President.  
HON. M. H. COCHRANE, Vice-President.  
Israel Wood, J. N. Galer, N. W. Thomas,  
G. Stevens, C. H. Kathan, H. B. Brown, K.C.,  
J. S. Mitchell.

**HEAD OFFICE, SHERBROOKE, Que.**  
JAS. MACKINNON, General Manager.  
**Branches:** Province of Quebec.—Montreal, Waterloo, Cowansville, Rock Island, Coaticook, Richmond, Granby, Huntingdon, Bedford, Masog, St. Hyacinthe, Ormatown, Windsor Mills, Province of B.C.—Grand Forks, Phoenix.

**Agents in Canada,** Bank of Montreal and Branches.  
**Agents in London, Eng.,** National Bank of Scotland.  
**Agents in Boston,** National Exchange Bank.  
**Agents in New York,** National Park Bank.  
Collections made at all accessible points and remitted.

**The BANK OF OTTAWA.**

Capital (Fully paid up) .. \$2,000,000  
Reserve Fund, .. 1,765,000

**BOARD OF DIRECTORS:**  
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GEORGE HAY, Vice-President.  
Hon. Geo. Bryson, Alex. Fraser, John Mather,  
David MacLaren, Denis Murphy.

**HEAD OFFICE, Ottawa, Ont.**  
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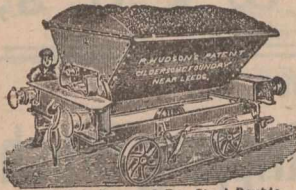
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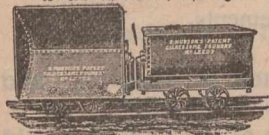
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59—R. H.'s Patent 6-Ton Steel Double Side Tip Wagon, to work with ordinary Ry Wagons



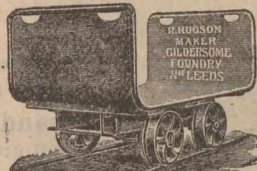
62—R. H.'s Patent Steel Goods Wagon, with Side Doors



66—R. H.'s Latest Patent V or U-Shaped Double Side Tip Wagon. Occupy less room than any other make



30—R. H.'s Patent End Tip Wagon. Made to any gauge and any capacity.



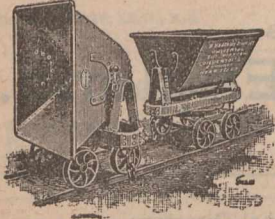
76—Hand Trolley, made to carry any weight or to suit any rail gauge.



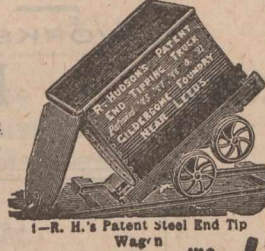
70—R. H.'s Patent Steel Mining Wagon



48—R. H.'s Patent Railway, for Delta, Rivets, or Loose Parts. Will last ten times as long as the ordinary kind. Guaranteed fit & ready to use.



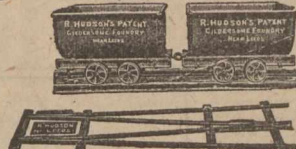
60—R. H.'s Patent Double-Centre Universal Tip Wagon. Slipping either End ways or Sideways at will



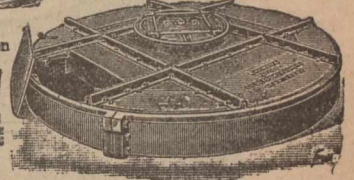
1—R. H.'s Patent Steel End Tip Wagon



40—Turnout, with Fixed Point



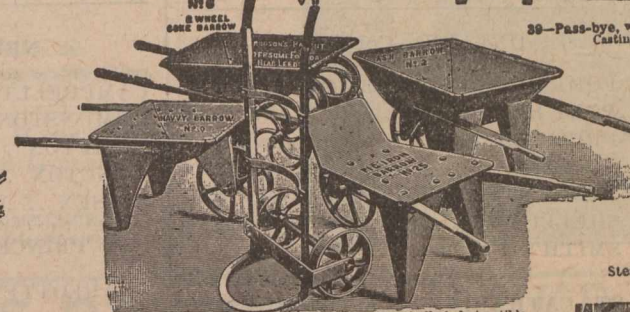
39—Pass-by, with Fixed Points Castings only



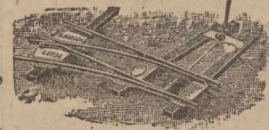
17—R. H.'s Patent Self-contained ball Bearing Turntable, dispensing with Lubrication and Masonry Foundations



27—Hopper Wagon, with Slide Door



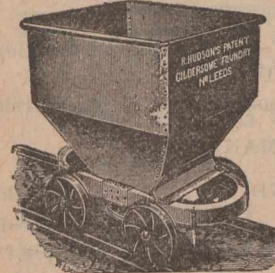
15—R. H.'s Patent Steel Barrows. Practically indestructible



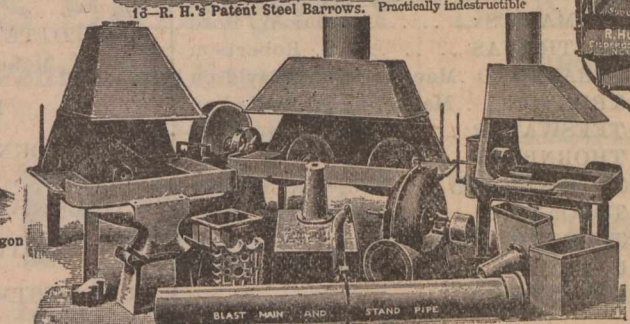
10—Left-hand Steel Points & Crossing



67—R. H.'s Improved Steel Ladder. Strong, very light, and durable



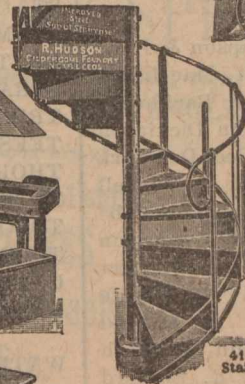
69—R. H.'s Improved Steel Hopper Wagon with Slide Door



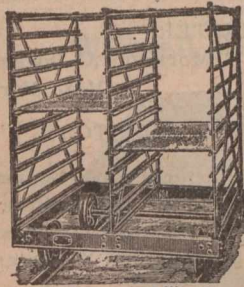
6—R. H.'s Patent Iron Smith's Hearths. No Brickwork required



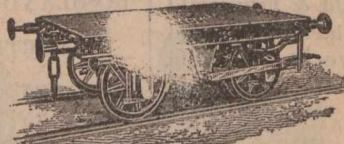
Steamship Barrow. Drawing V 10



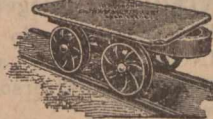
61—R. H.'s Patent Steel Staircases. Extremely light



68—Cake Drying Wagon



56—10-Ton Platform Railway Wagon



58—Steel Plate Bogie



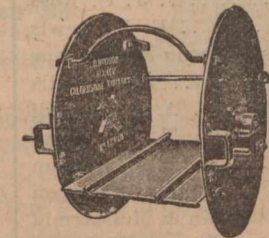
71—R. H.'s Improved Steel Tank Cart. 900 Gallons capacity



51—R. H.'s Patent Steel Cart, with R. H.'s Patent Steel Wheels and R. H.'s Patent Steel Shafts. Practically indestructible.



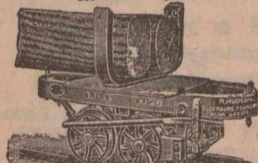
22—Two Tons Steel Plate Bogie. Practically indestructible.



78—Tippler for Mining Wagons



16—R. H.'s Improved Steel Cage, with Safety Grippers and Fallers complete



60—Bogie Wagon, with Swivel Fork for carrying Long Balke



70—Foundry Fetting Box



57—Steel Coal Box with Drop Bottom



Self-righting Steel Tip Bucket, used with Patent Self-acting Catch



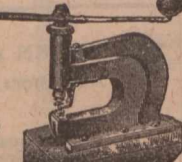
61—Rope Bucket, with R. H.'s Patent Catch for Wire Ropes



45—Mining Hopper with a Swivel Fork



64—Parson's Coal Wagon



62—Fly Pulley



66—Foundry Ladle



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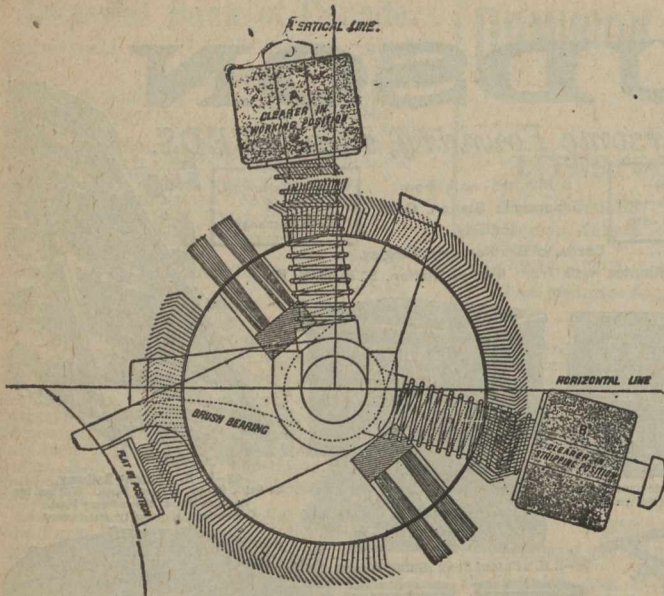
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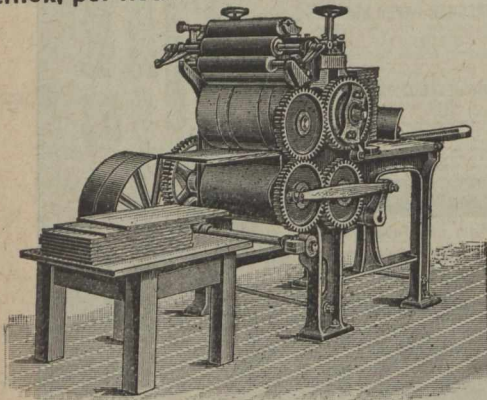
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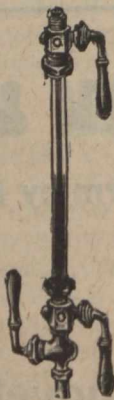
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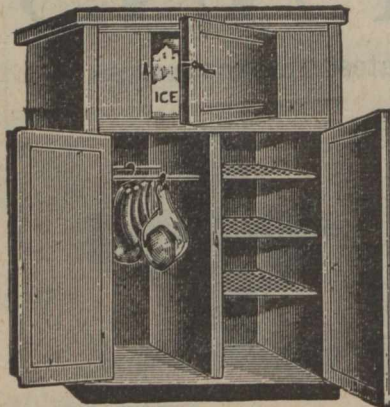
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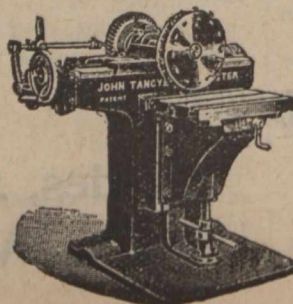
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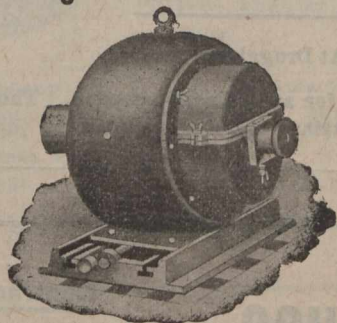
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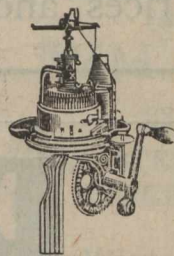
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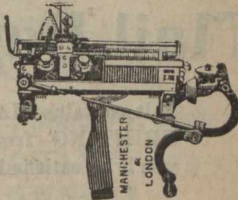
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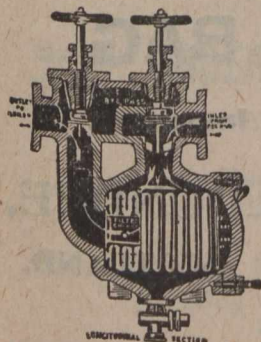
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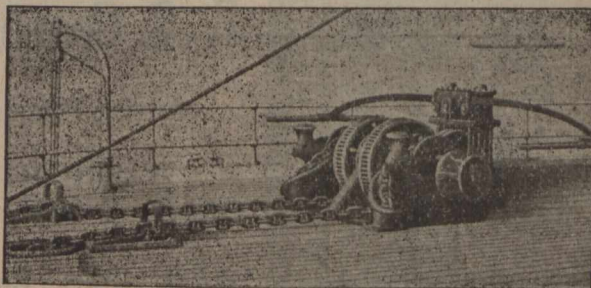
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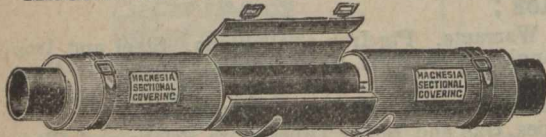
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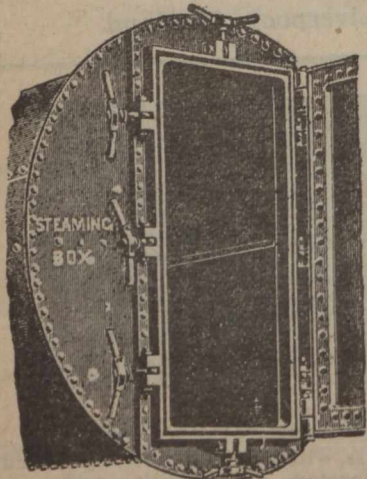
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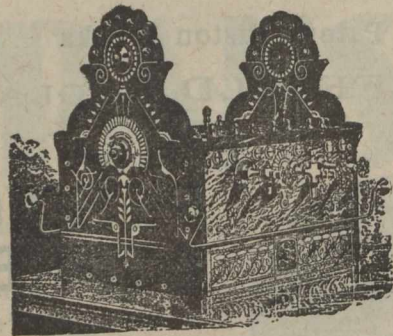
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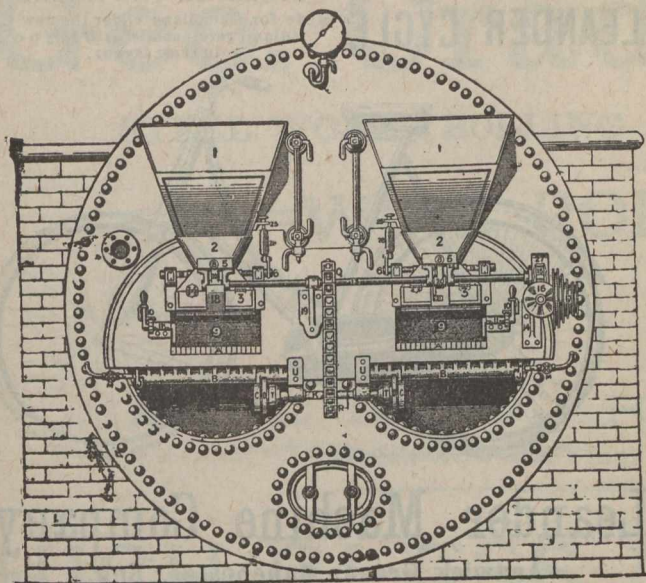
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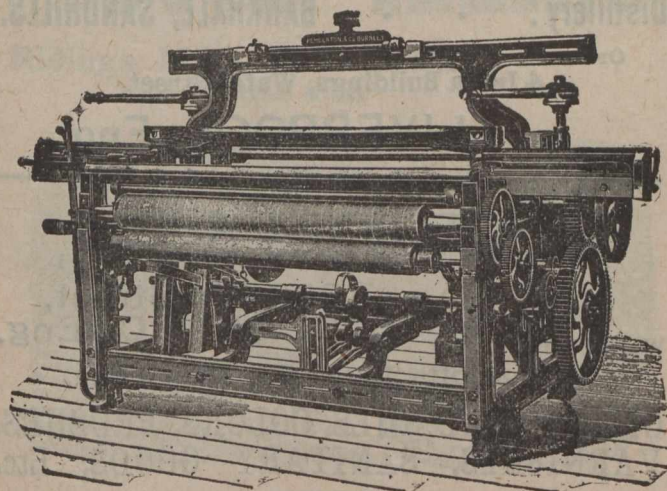
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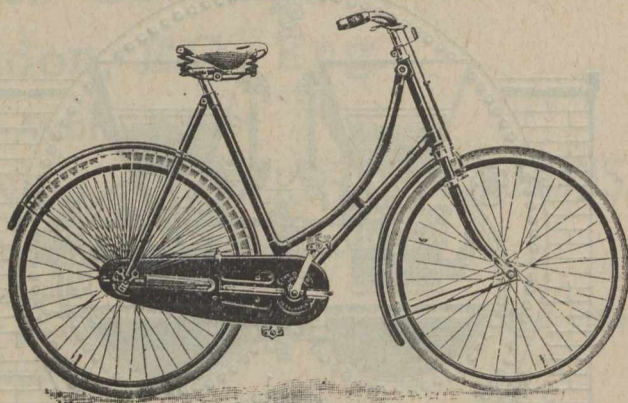
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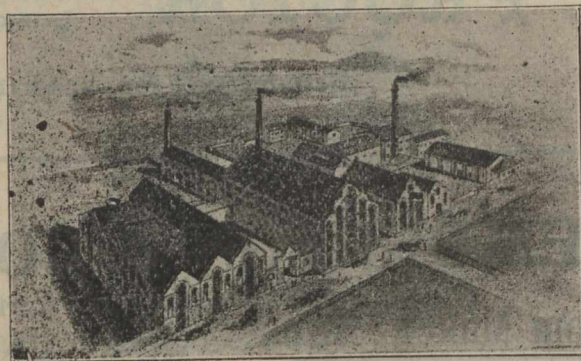
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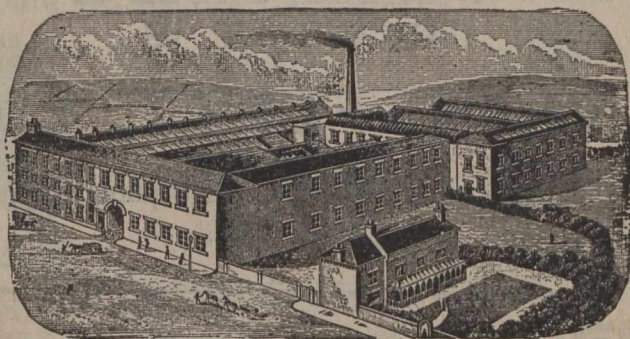
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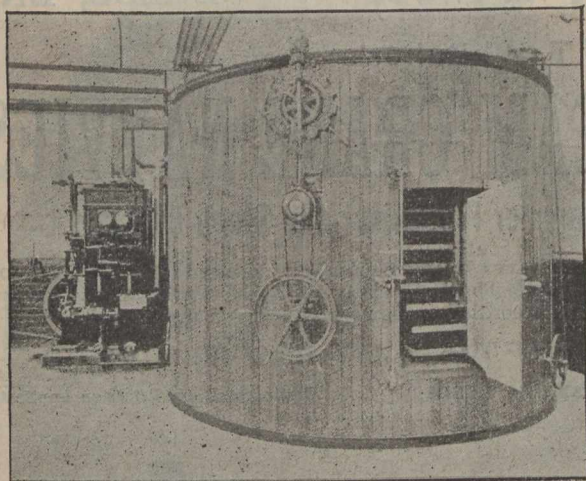
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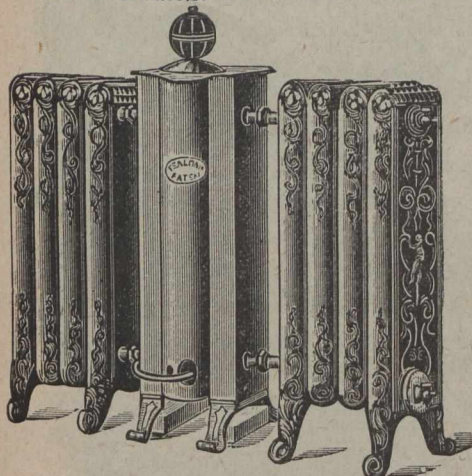
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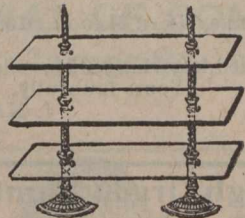
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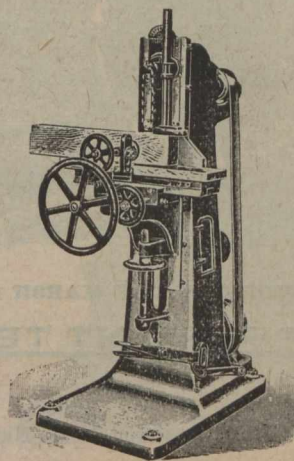
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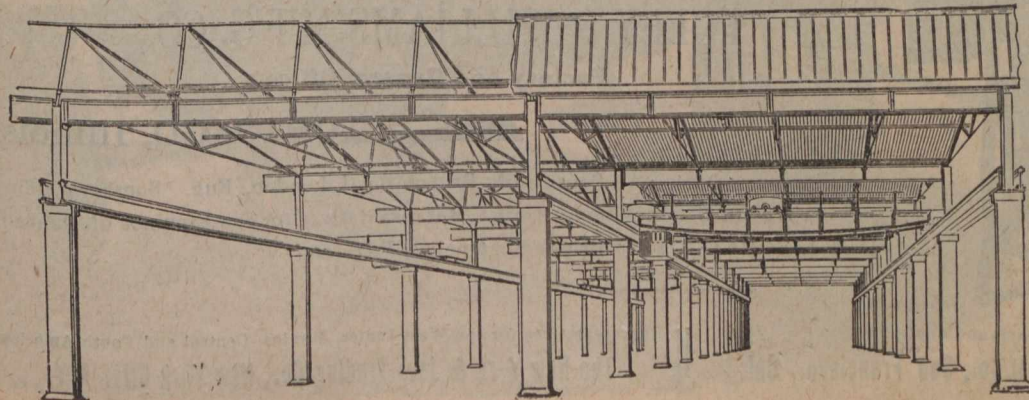
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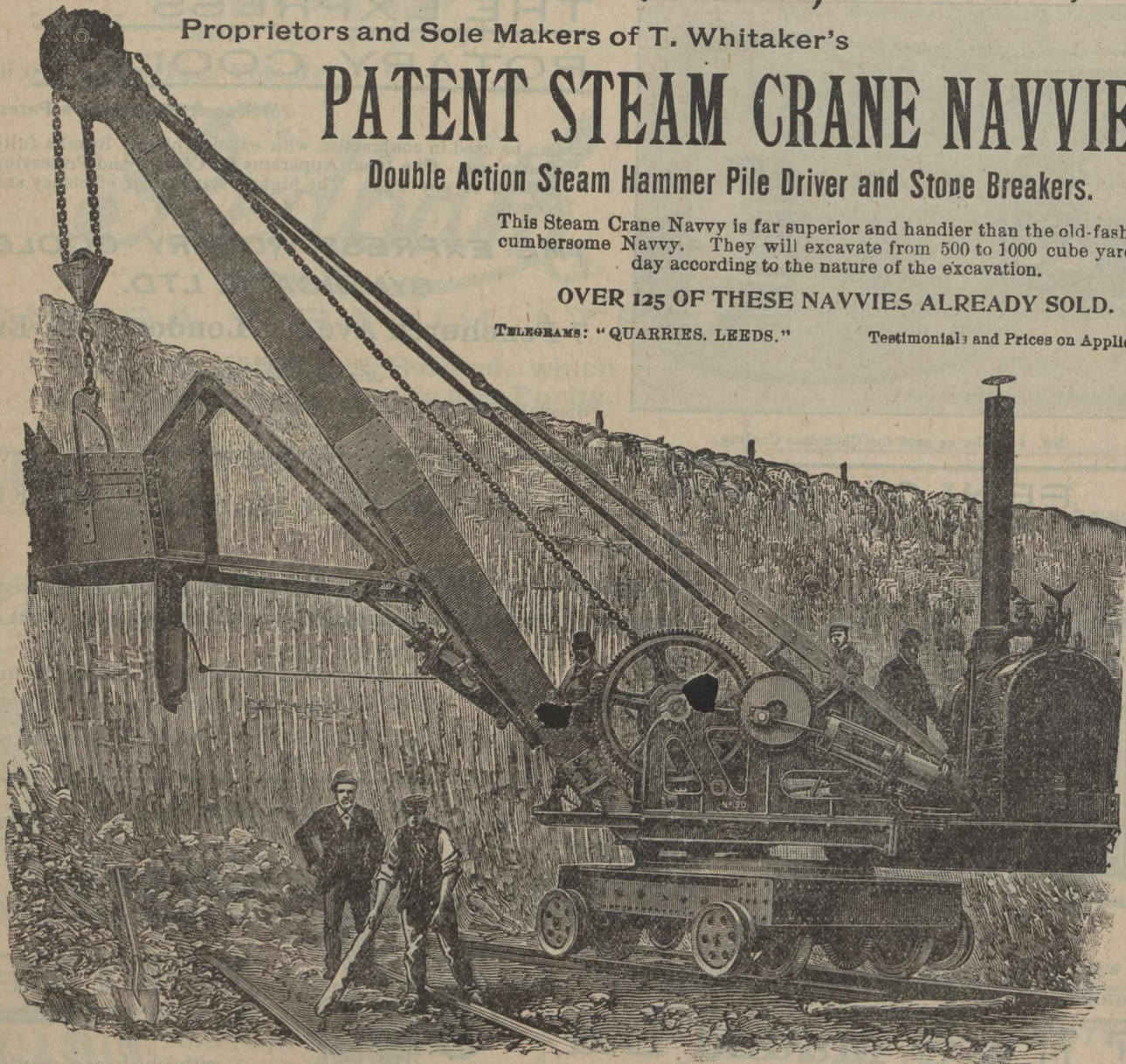
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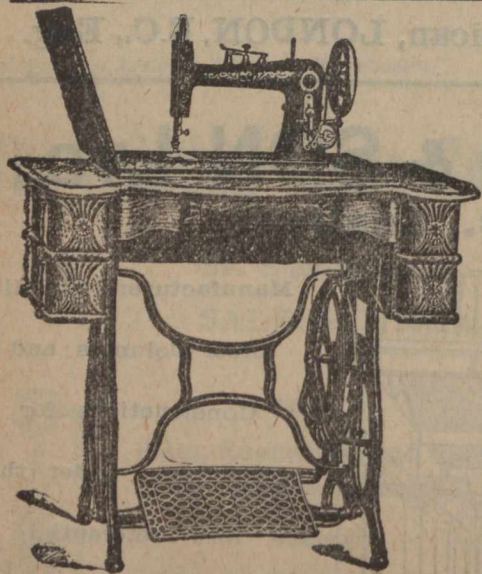
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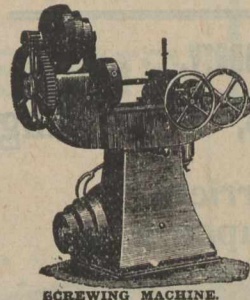
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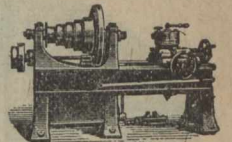


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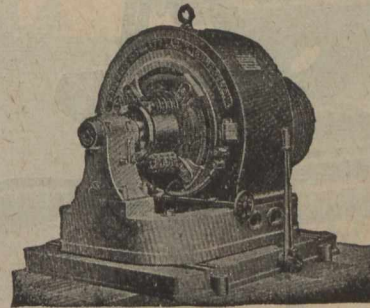
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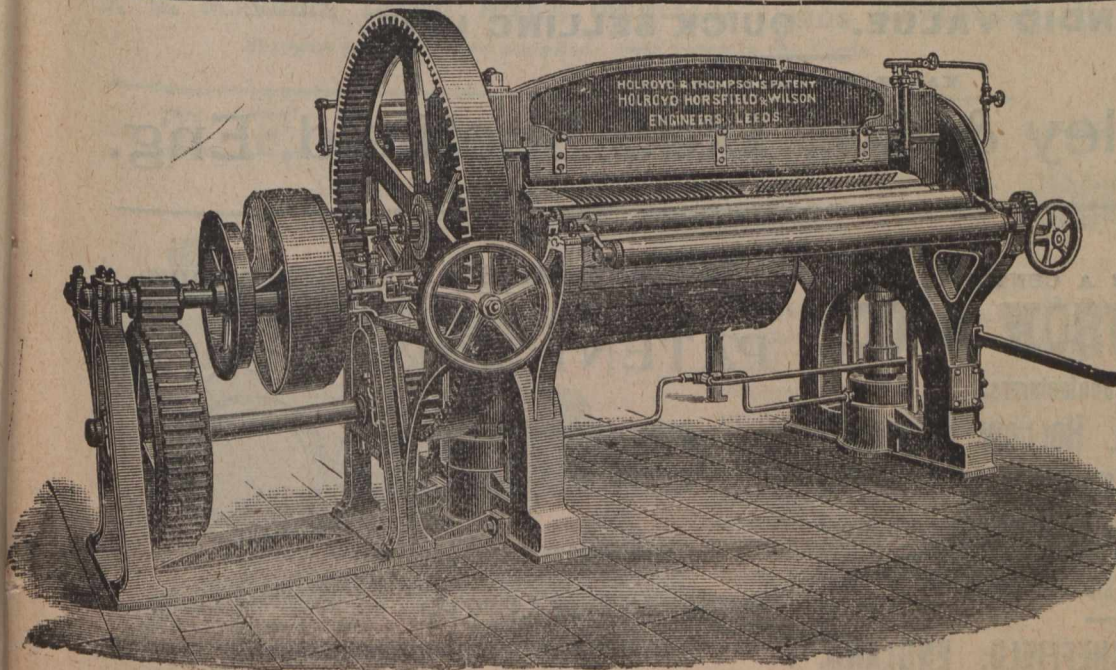
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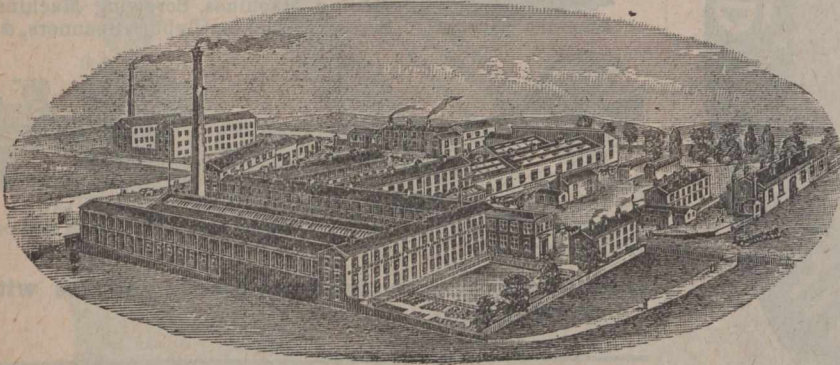


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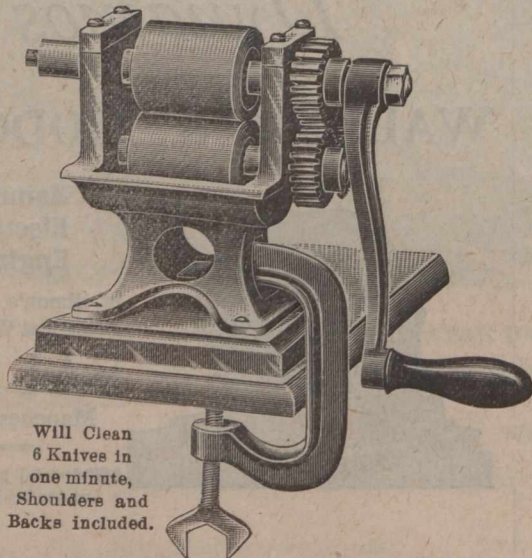


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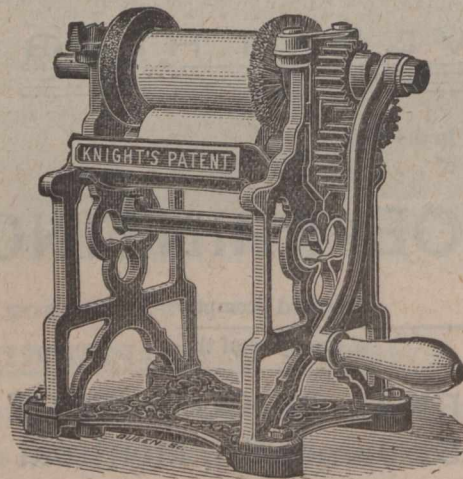
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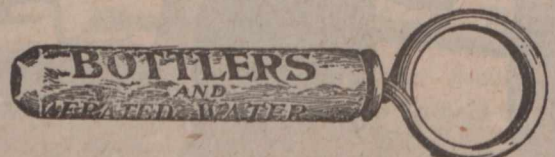
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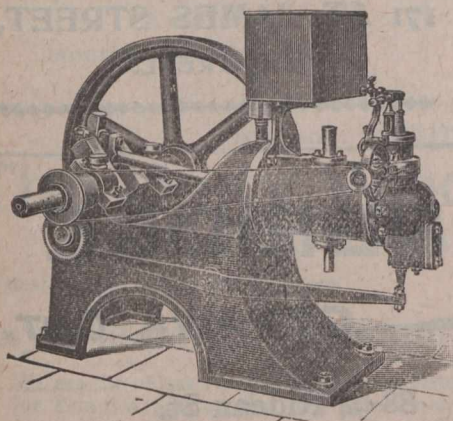
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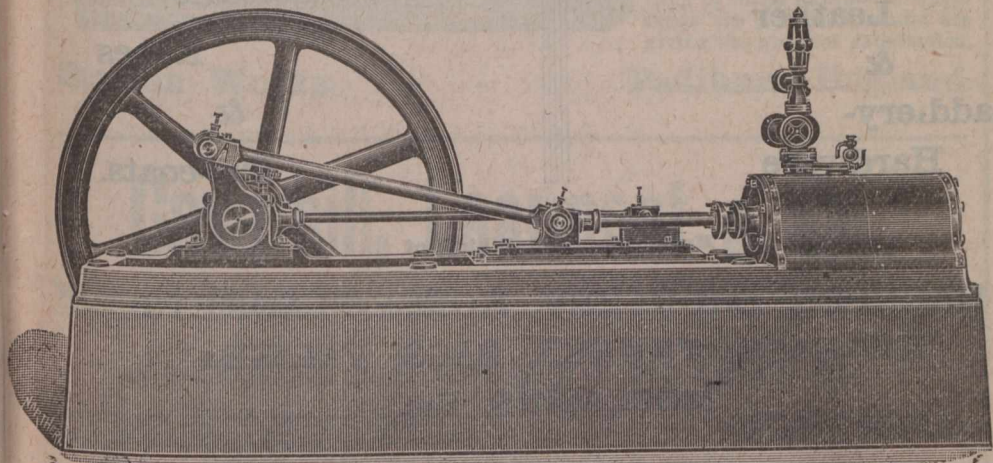
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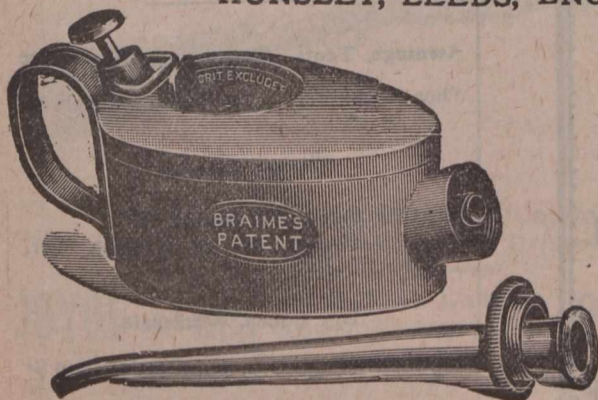


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MACHINISTS, IRON and BRASS FOUNDERS,

Patent Temple Makers and Patentees,

**Guy Foundry, Padiham, Lancashire, England.**

We are the oldest Temple Makers in existence, and have taken out more Patents for Temples, and successful Improvements in Temples, than any other Firm.

**PATENT "TRUE" TEMPLE.**  
With Steel Cap and  
Patent Adjustable  
Roller Bearers.



By far the best Roller Temple yet produced, and superseding Ring or Swiss Temples. Thousands are now in use and are giving the greatest satisfaction.

Station Works, - Padiham, England.

**Caverhill, Learmont & Co.,**

Wholesale **HARDWARE & METAL MERCHANTS,**

Caverhill's Buildings, St. Peter St.,

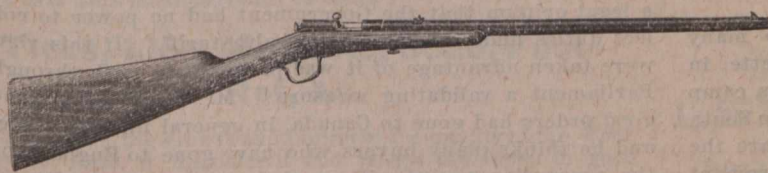
Largest and most complete stock of  
SHELF HARDWARE in the Dominion.

**MONTREAL.**

**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.

**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.

—A branch of the Sovereign Bank has been opened at Exeter, Ont.

—The Montreal Harbour Board has decided to purchase a new steam tug for use in harbour improvement work. The cost will be about \$17,000.

—The new court house at Sydney, N. S., conceded to be the finest in the Province, was dedicated recently. The building cost over \$90,000. Messrs. Rhodes, Currie & Co., were the contractors.

—The Fisheries Department is advised of the seizure by the cruiser Petrel of fifty-nine gill nets set by American fishermen in Canadian waters of Lake Erie. The nets contained one thousand pounds of whitefish.

—The inland revenue receipts for June amount to \$920,900, as compared with \$839,428 for the same month last year. The revenue from spirits was \$442,511, from malt \$78,444 from tobacco \$291,843, and from cigars \$82,961.

—The Ogilvie Flour Mills Company have built new elevators since the season opened at the following points throughout the West: Armand, Oakville, Basswood, Sinclair, Arcola, Grenfell, and Balgonie. The average capacity of these elevators is 32,000 bushels. They will continue building at points they have selected. In addition to the seven already completed they intend to build fourteen more, bringing the total number up to 23, with a capacity of over 3,000,000 bushels.

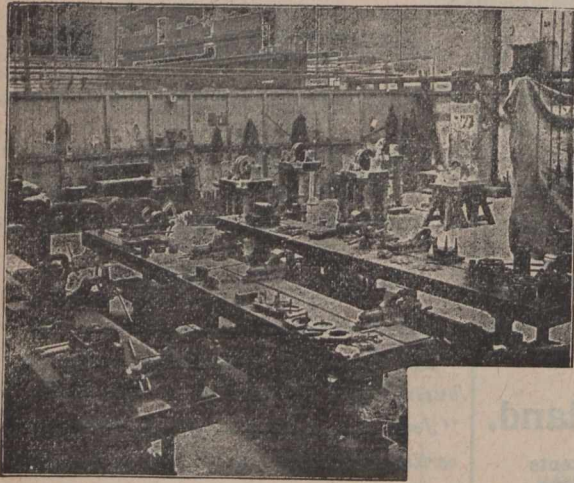


# FERRANTI LIMITED

Works and Offices:  
**HOLLINWOOD, LANCS, England.**

Manufacturers and  
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**ENGINES, ALTERNATORS,**  
**TRANSFORMERS,**  
**SUB-STATION**  
**EQUIPMENTS.**  
**RECTIFIERS, METERS.**



Part of Rectifier & Switchgear Fitting Shop, Hollinwood.

And all Equipments required for  
 the Supply and Distribution of ..

## ELECTRICAL POWER.

Write for Particulars and Pamphlets, free on Application.

—A binder twine factory, in operation at Brandon, Manitoba, will turn out about 150 tons of twine for the present harvest.

—The fund for the families of the firemen who lost their lives at the recent Toronto fire, will, it is expected, reach \$50,000. Some \$42,000 has already been subscribed.

—A charter has been filed in the Secretary of State's office at Austin, Texas, for the Gum Carbo Company, with a capital stock of \$10,000,000. The concern will manufacture a substitute for rubber by refining Texas oil, combined with cotton seed oil.

—A cable from Madrid, Spain, states that Senor Rodriguez, Minister of Finance, has signed a convention between the Bank of Spain and the Treasury, by which all sums advanced to the Government by the bank shall bear interest at the rate of 2 per cent. The metallic reserve will be increased in a short time, and the paper currency reduced. The bank will arrange with the Government for the acquisition.

—The British transport service, which for so many months conducted an active trade at Port Chalmette, in the Southern States, is, it is reported, to reopen its camp there for the shipment of horses, mules and cattle to South Africa. It is found that the American animals are the hardest for the veldt work, and the British Government will need a great number under its agreement for restoring the farms of the burghers who suffered in the recent war.

—The new Hudson's Bay steam barge, Inenew, for use on Hudson's Bay, was launched at Polson's shipyards, Toronto, on the 19th instant. Efforts are being made to get the vessel fitted out this week to leave for the scene of her labors during the following week. She will go by the St. Lawrence River, and around the Labrador Peninsula. Spe-

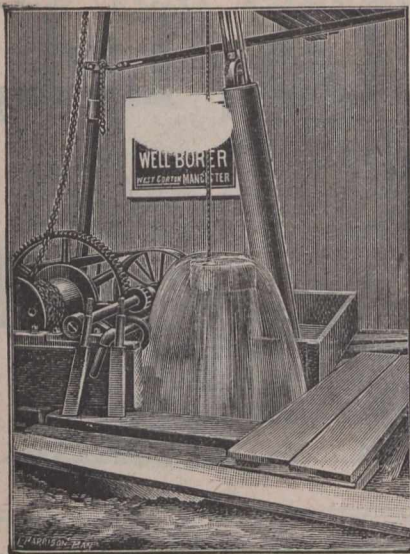
cial attention has been given during her building to make her sufficiently strong to resist the great pressure when forcing her way through the ice.

—The statement is confirmed in a London cable that the Houston Steamship Line is establishing a new service to South Africa with the intention of attempting to break down the monopoly of that trade now enjoyed by the Union Castle Line. The steamers of the new line will sail fortnightly from the United Kingdom and fortnightly from New York. The company already has freight contracts with important firms. Many of its vessels were employed as Government transports during the war.

—The monthly report from Mr. J. S. Larke, Canadian agent, at Australia, tells that the Commonwealth Senate has suggested a number of tariff routines on products which Canada among other countries can supply, such as bacon and hams, butter and cheese, fruits and vegetables, meats, fish, and poultry, etc. These changes do not become operative until accepted by the House of Representatives. Some excitement was caused by the publication of a legal opinion that the Government had no power to collect duties under the Commonwealth tariff. If this view were taken advantage of it was proposed to push through Parliament a validating measure. Mr. Larke says some good orders had gone to Canada, in general lines of trade, and he thinks many buyers who have gone to England for the coronation period will on their return personally investigate the Canadian market. The Canadian agent reports that drought is still prevalent, but rains have fallen in some of the States, which is calculated to improve the condition of affairs. Business in New Zealand is reported to be good.

—At a recent conference between members of the Montreal cheese trade, and Prof. Robertson, Dominion Dairy Commissioner, it was recommended by the Professor that the members suggest locations for the six refrigerator sta-





Telegrams, "ARTESIAN," Manchester.

Telephone No. 1826

**THOMAS MATTHEWS,**  
**IMPERIAL IRON WORKS,**  
**PENDLETON, Manchester, Eng.**

**Artesian Well Borer,**

**Patent Deep Well and Bore-Hole Pumps. Earth Boring and Mining Machinery (All Sizes) For Sale or Hire.**

**Bore-Holes for Oil Water or Minerals.**

tions which the Government would locate in the near future. Three of these are to be in Ontario, and three in Quebec, and as suggestions are received they will be forwarded to the Government. The Montreal Produce Association itself, however, will not take the responsibility of recommending any particular points, allowing the Professor to pick and choose from the dozen or twenty recommendations which may be forwarded. As noted at

the time of the meeting these six stations will be located in the most convenient dairy centres, the idea being to land butter and cheese into the Montreal warehouses in the most perfect condition and not endanger the quality of the products by submitting it to the intense heat of railway station while awaiting the arrival of trains. If found to work satisfactorily there is no doubt that the system will be extended.

**W. H. PALMER & CO.**

Contractors to H. M. Government.  
 Manufacturers of

**LACQUERS** of every description for  
**METAL WORK,**  
**DECORATIONS, etc.**  
**VARNISHES FOR ALL PURPOSES.**

Colors, Oils, Paints, Enamells, Polishes, Dyes,  
 Stains, Chemicals, Bronze, Powders, Gold,  
 Silver and Metal Leaf. . . . .

78 Old Street, ESTABLISHED 1805.  
**LONDON, E. C., ENG.**

The Liverpool and Bankhall Chemical Company's



The best and most effectual remedy for  
**Ticks, Lice, Maggots, Scab, Foot-  
 Rot, &c.**

Stimulates the growth and improves the quality of the Wool, does not stain or discolour it and keeps the sheep in good healthy condition

It is also invaluable as a WASH for CATTLE, HORSES, DOGS, &c., killing Parasites of all kinds, and curing Sores and Wounds.

This Dip is unsurpassed in quality and is offered at an extremely low price. Quotations given c.i.f. Canadian ports for large or small quantities.

SOLE MAKERS:

The Liverpool & Bankhall Seed Crushing  
 & Chemical Co., Limited,  
 Liverpool, England.

Business men of Fort William, Ont., says a recent letter, are keenly alive to the fact that some immediate steps must be taken if their shipping interests are to be preserved and business be not diverted to other channels. The more favorable the crop reports from Manitoba and the Northwest the more the necessity grows for increased shipping facilities here. True, the C.P.R. has under construction increased storage here, but the best that can be hoped for is that a small portion of it will be completed by February, which will not facilitate the forwarding of a bushel of this year's harvest to the seaboard before another marine year. This question is not only vital to Ft. William but to the whole west, and unless some scheme be devised immediately a large portion of Manitoba's crop will go over the American roads to American ports and be carried over the ocean in American vessels. What was required, it is claimed, is a handling elevator with a capacity of 500 cars per day. This would keep the cars moving and with the increased rolling stock the C.P.R. are putting on, would keep the farmers supplied with plenty of cars.

The attorney of a defunct Texas oil company, who had been urgently requested by the revenue agent to pay its franchise tax and preserve its charter, wrote the fol-

**SLADE & Co., Ltd.**

**THE ROYAL  
 TOFFY WORKS,**

**LEEDS, ENGLAND.**

Manufacturers of  
 the finest

**HOME  
 MADE  
 TOFFY.**

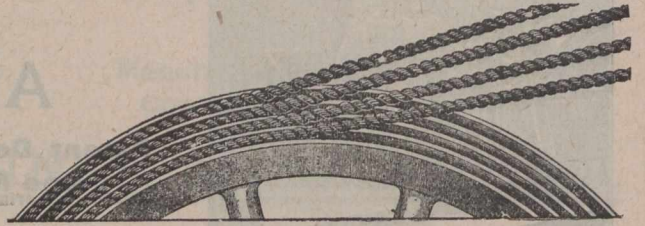
33 1/3 per cent. in favor of Canadians, under the  
 New Tariff.



# HANSON, SCOTT & CO., Ltd.,

## STOCKPORT, ENGLAND.

### Cotton Driving Ropes.

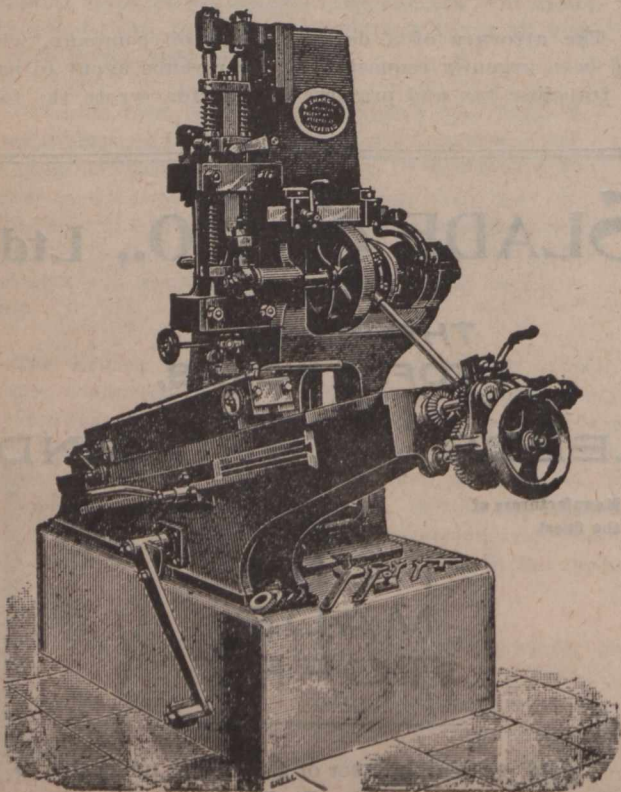


lowing to the collector, which apparently explains everything: "In reply to your communication, we beg to say that the oil company was organized with very bright prospects—like all other oil companies—and with some money, and what it regarded as very valuable leasehold interests to what it considered very valuable oil lands at Beaumont; with its money it proceeded to dig divers holes, divers hundreds, yea, divers thousands, feet deep—all of which failed to produce aforesaid oil, very much to the dismay of those interested in the aforesaid oil company. And when these divers holes were dug the company had expended all its money, and, more, had expended some other people's money, when the aforesaid stockholders proceeded to levy a small assessment and to pay all its debts, it was dead. All this happened before the forfeit of its charter; in fact, it only lived a few months when it withered and died. In its various holes that it dug, came not oil; neither came shekels, therefrom into the pockets of its stockholders. The attorney-general will find it unnecessary to proceed against it for continuing to do business; it has never done business while delinquent; it was dead before it became delinquent. We believe this explains the situation."

—A late Paris dispatch states that to keep order on the boulevards one morning recently, the police had to interfere while the famous Humbert safe, so long supposed to contain a fabulous fortune, was hauled from the public auction rooms to the home of its purchaser. The safe was conveyed on a cart drawn by five white horses, decorated with flowing ribbons and wreaths of flowers, and driven by half a dozen workmen, fantastically garbed, who seemed in no hurry, stopping the cart in front of the cafes while enormous crowds gathered curiously regarding the rusty symbol of "the greatest fraud since Panama." Among the crowd the only persons who did not seem to enjoy the joke were some of the Humbert creditors, who indulged in low curses against the woman, "second only to Cleopatra," who succeeded in outwitting the astutest brains of France. On all sides the feeling is growing that the Government is well aware of the whereabouts of the fugitives, but dares not bring them back for fear of public excitement. By means of a clever trick the Humbert family, representing themselves concerned in a legal dispute with fictitious heirs in the United States over a so-called Crawford estate of \$20,000,000, succeeded not only in getting a French Court to seal up without examination, the

**Ambrose Shardlow & Co., Ltd.,**  
Ealing Works, **ATTERCLIFFE**, Sheffield, Eng.  
**Patent Improved File-Cutting Machines.**

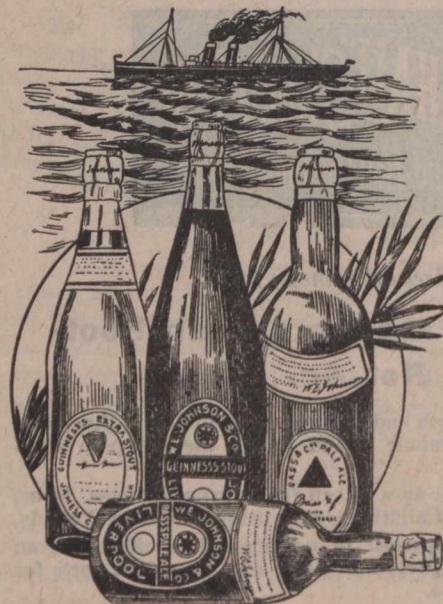
NEW TYPE.



ESTABLISHED 1869.

## Bottled Beer and Stout

FOR EXPORT.



The "Compass" Brand

Bass & Co.'s Pale and Light Bitter Ales, and Guinness's Extra Foreign Stout.

Also Exporters of Mineral Waters Devonshire Cider and Specially Blended Scotch and Irish Whiskies, guaranteed Five Years old. Buying Agents wanted—West Coast Africa United States, Canada and Newfoundland.

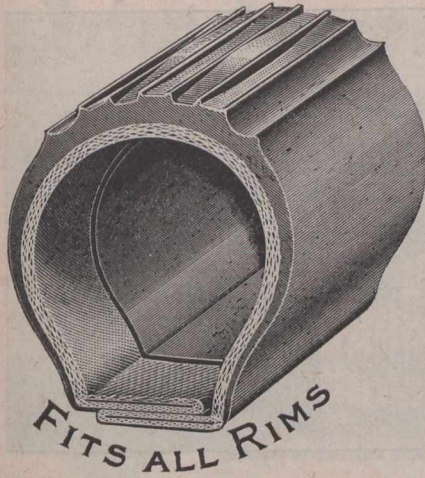
**W. E. JOHNSON & CO.,**

67-69 Leeds St., LIVERPOOL, Eng.



**THE TONI PNEUMATIC TYRE.**

(Patent No. 26,555, 1898.)



THE LIABILITY to PUNCTURE is thus reduced to the LOWEST POSSIBLE MINIMUM.

IT HAS been APPLIED with PERFECT SUCCESS to Motor Cycles and Cars, HANSOMS and PRIVATE CARRIAGES of every description, for which special covers are made, and it lightens the labour of horses and adds materially to the comfort of passengers.

The Toni Tyres are Guaranteed for Fifteen Months, and can be F.O.B. London.

All communications to be addressed to

**F. TONI & CO., Tyre Manufacturers,**  
20 HANWAY STREET WORKS, OXFORD ST.,  
LONDON, W.C., ENG.

Te'graphic Address: "TONISMO, LONDON."

Special Rates to Canadians under the new tariff.

**W. E. W. Clay,**  
HOLBECK, LEEDS, Eng.

LOW HALL MILLS,



Manufacturer of **BABY CARRIAGES, PERAMBULATORS** and **MAIL CARTS** of the latest designs, under the new Canadian Tariff.

safe, which was supposed to contain the millions, but also to borrow throughout a long number of years on the security of the sealed safe, sums aggregating \$12,000,000. The whole family of conspirators fled when the fraud was discovered.

—The London Economist is pleased at the prospect of a record year in shipbuilding this season. It says: "The American shipyards turned out between 1890 and 1900 206,000 tons of vessels for the foreign trade—that is to say, in ten years 53,000 tons less than the Clyde shipbuilders have produced in six months and practically all for the foreign trade. At the present rate of production the other Scotch yards will have an output of 520,000 tons of iron and steel ships, or considerably more than double the whole output of iron and steel ships in the United States in 1900, including those for the great lakes and coasting trades. In the fiscal year ending June 20, 1900, the American shipyards turned out 488,000 tons of vessels of all kinds, and for inland as well as ocean navigation, or, say, 40,000 tons less than Scotch builders alone will turn out in 1902. The output of all the British yards in 1901 was 1,697,240 tons, and that of the German yards 191,000 tons. At the present time fully one-half of the work in the principal American yards is for the navy, not for the merchant marine. Not more than two per cent. of the British output is in warships. It is a curious coincidence that the removals from the British register last year were according to Lloyd's (i.e., vessels sold to foreigners, transferred to colonies, lost and broken up) 488,429 tons, or almost exactly the product of the American

yards during the year. That is to say, it would take the full producing capacity of America to make up our waste each year."

—The new Canadian trade agent in South Africa has sent his first report to the Department of Trade and Commerce. Business in Cape Town, is, he says, in the hands of English producers, who have branches in nearly every important centre. There are only four or five Canadian resident agents taking orders for some fifteen or twenty of our industries. These almost entirely confine their labors to coast stations. Resident agents are badly needed, as well as visits from experienced travellers who carry their samples with them. This course is adopted by English, German, and American firms. Only the other day an American traveller, after visiting a score of towns, left for Australia. He represented stationary engines and boilers, carts, ploughs, wheelbarrows, Portland cement, automobiles, white lead, mixed paints and stains, varnishes, pumps, machine tools, artesian well machinery and drills and mountings. Boots and shoes are mostly received from England and only a small quantity from Canada. Styles

**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.	Meters, Cranes.
Hydraulic Machine Tools, Steam Motor Wagons,	
Concrete Flag Making Machinery.	

Telegraphic Address: "Muskers, Liverpool."

**SASH**   
**WEIGHTS** 

Manufactured for the Canadian Market under the New Tariff, by

**C. H. Taylor & Son,**  
CYCLOPS FOUNDRY.  
LEEDS, ENGLAND.

Established 65 years.

Telegrams: "SUBLIME, Liverpool."

**DESSICATED**  
**COCOANUT.**

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**JOHN SHORE & SON,**  
39 Old Hall St.,

samples at your disposal.  
Terms: Cash against B. Lading.

LIVERPOOL, Eng.

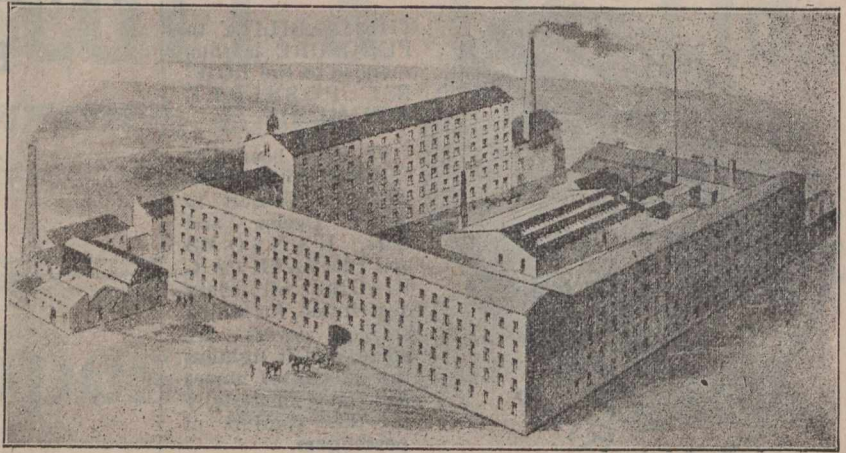


# Barker & Moody, Leeds, Eng.

Manufacturers  
of . . .

**FLANNELS,  
WOOLLENS,  
SHIRTING,  
and GARMENTS,**

For Canadians under the New Preferential  
Tariff.



Perseverance Mills, Leeds, Eng.

are mostly the same as those worn in Canada and Montreal manufacturers ought to have a good share of the trade. There is great room for furniture from Canadian manufacturers. Canned goods and agricultural implements are enormously high. For the first there is a great demand,

Telegrams : "MOTOR, LEYLAND," ENGLAND.

## HIGHEST AWARDS.

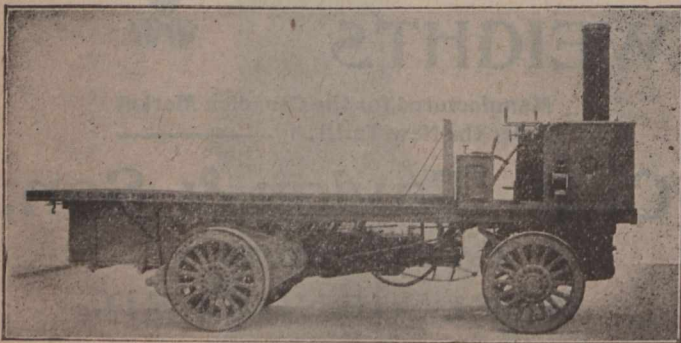
**1st Prize, £100,** Royal Agricultural Society of England.

**1st Prize, £100,** Liverpool Self-Propelled Traffic Association.

**Gold Medal, Highest Award,**

Liverpool 1900.  
Etc., Etc., Etc.

# STEAM WAGONS.



**The Lancashire  
Steam Motor Co.,  
LEYLAND, ENGLAND.**

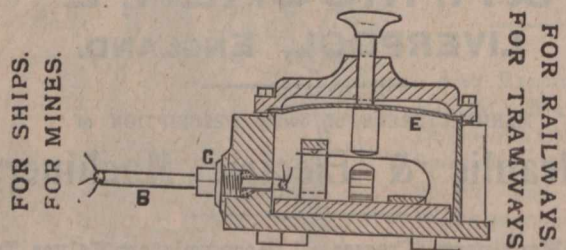
Special prices to Canadians under the  
new preferential tariff.

and the second, now that peace has been re-established, will be much wanted. They are entered free of duty and a quick supply should be on hand. The agent expresses the hope that Canadian manufacturers will be able to send out the best and most experienced salesmen. Elaborate catalogues and price lists are not needed. What is wanted is men to study the market and bring complete assortments of patterns and samples. Price lists should be in English and to suit the Boer element in Taal. He concludes by begging all to take note that the chief point is to supply customers punctually with the exact article and in the exact way he prescribes. Salesmen should not make changes in samples or bind themselves to lay down goods in South Africa on a certain day. South Africa is and for a long time must of necessity by an importing country.

The Department of the Interior has completed the tabulation of the immigration figures for the fiscal year ending June 30th last. During the year just ended the British immigration totalled 17,000. The previous year it was 11,810. Eleven thousand has been an average figure of British arrivals for some years. The figures since 1897 have been: 1897, 11,383; 1898, 11,608; 1899, 10,623; 1900, 10,360; 1891, 11,810. During the past year conditions have been unfavorable in regard to British immigration, and the increase in arrivals in Canada is consequently of a much greater efficiency in the immigration methods in the old country. Figures for the past years indicate that the immigration officials were apparently unable to make any showing above the 11,000 average. That seemed to be the limit. Last year Mr. James Smart, Deputy Minister of the Interior, went to the old country and reorganized the Canadian immigration offices. The returns are

## ... Watertight Electric Bells ...

And RINGING KEYS.



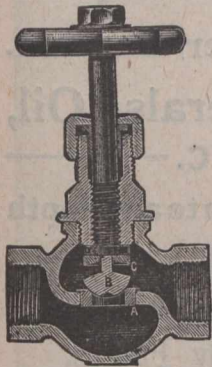
Section of Ringing Key.

**Mercier's Patents, Limited,  
SALFORD, MANCHESTER,  
ENGLAND.**

Telegrams : "WENHAM."



The "SHAW"  
**..Patent Improved Valve..**  
 FOR STEAM OR WATER



Special advantages: Bronze Metal Renewable Seat, Interchangeable Concentric Valve, Self-Centering under any variation in the wear or strain of the spindle; Special Packing to Valve Spindle. Material and Workmanship of the very best.

The "SHAW" Patent Universal  
**Union Joint**

For Coupling pipes at an Angle, is the most Up-to-Date Coupling in the market. Send for full particulars of this and other "Shaw" specialities to . .

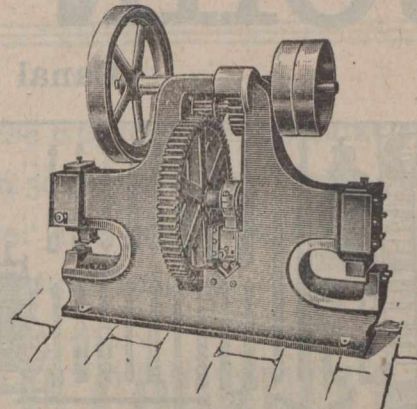
**JOSEPH SHAW,**  
 HUDDERSFIELD, ENGLAND. **ALBERT WORKS.**

Telegrams: "GOVERNOR," Huddersfield.

Supplied under the New Canadian Preferential Tariff.

**A. Kinghorn & Co.,**

Phoenix Ironworks, Millwood,  
 TODMORDEN, ENGLAND.



Double End Punching and Shearing  
 Machines.

Canadians have 33 1/4 per cent. in their favor by purchasing these  
 Machines, under the New Canadian Tariff.

particularly satisfactory when the unpromising outlook in the old country last year is taken into consideration. Besides the difficulty existing in the apparent impossibility to rise above the 11,000 mark the Boer war constituted a serious obstacle to increased immigration. The war took many persons from England to South Africa who might have been eligible settlers for Canada, and, moreover, there has been a well developed idea that as soon as peace was restored South Africa would be a very promising field for young and energetic men. Undoubtedly this idea has kept in the old country many young men desirous of locating in a new country, but who, knowing the war would soon end, wished to see just what chances would offer in South Africa. The Department of the Interior is consequently much pleased at the results that have followed the re-organization of the old country work. In Parliament and sections of the press the cry has always been that settlers from Great Britain were very much more desirable than immigrants from the continent. It is evident that under the new state of affairs Canada is in a fair way to get many more of the former class of settlers than she has hitherto attracted.

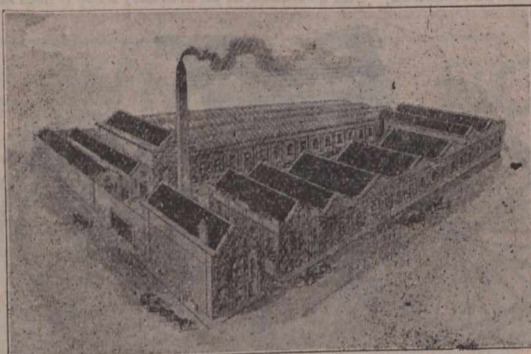
—Letters of incorporation have been granted to "The Modern Telephone Company, of Hamilton, Limited." The share capital of this venture is placed at \$300,000.—"The Canadian Northern Railway Elevator Company, Limited," has been granted incorporation. The share capital is \$500,000, the head office is Toronto, and the provisional directors are W. Mackenzie, D. D. Mann, Z. A. Lash, R. P. Ormsby, and R. J. Mackenzie.—The King Edward Hotel Company, Limited, has been granted a charter. The share capital is placed at \$500,000.—The Morden Transit Company, Limited, head office Midland, has been granted letters of incorporation. The share capital is placed at \$40,000.—The Allen and Hanbury's Company, Limited, head office Toronto, share capital \$250,000, has been incorporated to deal in druggists' sundries.—The H. King Furniture Company, Limited, share capital \$100,000, has been granted incorporation to acquire and carry on the business of H. King, of the Town of Berlin. — The following companies

Established 1861.

**.. Bootle Jute Factory Co., Limited ..**

SPINNERS  
 AND...  
 MANUFACTURERS.

JUTE BAGS AND BAGGING.



JUTE SACKING & SHESSIAN.

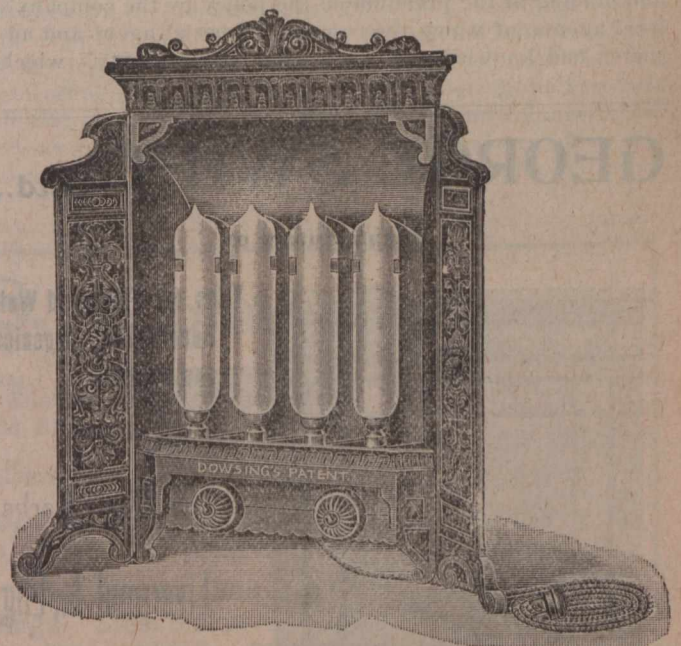
DUNDEE WORKS,

**BOOTLE, - Liverpool, Eng.**

Telegrams, "JUTE, Liverpool."  
 A.B.C. Code, 4th Edition.

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

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



**JAMES MELLING, - DASHWOOD HOUSE,**

New Broad Street, London, E.C., England.



Contractor to H. M. Government.

Tel. Address, "Thom, Patricroft."

# JOHN H. THOM,

Canal Works, Patricroft, near Manchester, England.

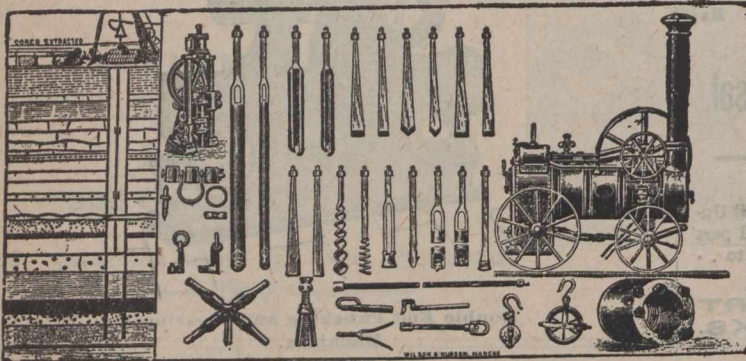
## Boring for Minerals, Oil, Brine, Etc.

Artesian Wells put down to any depth

Manufacturer of  
all kind of

### Rock Boring Tools, Centrifugal, Deep Well & Donkey Pumps.

Special Estimates under the New Canadian Pre-ferential Tariff.



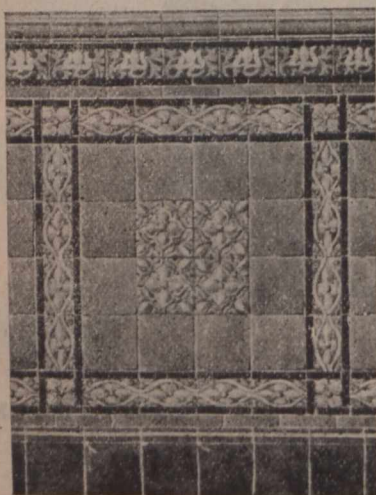
have been granted letters of incorporation:—The Malaga Suburban Railways, Limited, head office Toronto, share capital \$500,000.—The La Reina Company, Limited, head office Toronto, share capital \$50,000.—Toronto Contracting and Paving Company, Limited, share capital \$40,000, acquiring the business of Albert Chamberlain.—The Ault and Wilborg Company of Canada, Limited, head office Toronto, share capital \$50,000.—Raven Lake Portland Cement Company, Limited, head office Toronto, share capital \$500,000.—The Mariposa Mining Company, Limited, head office Sault Ste. Marie, share capital \$3,000,000.—The Dominion Bakeries, Limited, head office Toronto, share capital \$300,000.—The Union Baking Company, Limited, head office Toronto, share capital \$150,000.—The Hogg and Lytle, Limited, Oakwood, share capital \$150,000.—Sovereign Manufacturing Company, Limited, Toronto, share capital \$100,000, to deal in druggists' specialties.—The Chaney Burglarproof Sash Lock Company, Limited, Toronto, share capital \$10,000.—Licenses have been granted to the Chicago Pneumatic Tool Company and the Commercial Acetylene Company, both incorporated under the laws of New Jersey.—The Lakefield Portland Cement Company, Limited, has been granted power to increase its capital stock from \$500,000 to \$1,000,000.

—Fire Insurance Decisions.—Where the policy issued by an insurance company on certain fixtures provided that it should be void if the insured's interest in the property should be otherwise than unconditional, the acceptance and holding of the premium on the policy by the company's local agents, of which the company's special agent and adjuster had knowledge, a week after the property, which

was mortgaged, had burned, are a waiver of the condition. *Mechanics' & Traders' Ins. Co. vs Smith*, 30 So. Rep. (Miss.) 362.—Plaintiff and other elevator owners agreed to pool their earnings, and provided that destruction by fire should not deprive the owner of an elevator of his share of the earnings. Defendant issued its policy on the use and occupancy of plaintiff's elevator in a specified sum per day during disability. The elevator was damaged by fire, and plaintiff received from the pool its share of the earnings of the other elevators. Held, such receipt did not affect defendant's liability under its policy, since its contract was not one of indemnity. *Buffalo Elevating Co. vs Prussian Nat. Ins. Co.*, 71 N.Y. Supp. 918.—A person who has contracted to build a house and furnish the materials for a fixed sum, has an insurable interest to the value thereof, though he has received nearly payment of the price in full. *Ulmer vs Phenix Fire Ins. Co. of Brooklyn et al*, 39 S.E. Rep. (S.C.) 712.—Where insured notified the agent that he desired to procure additional insurance, the company was bound to issue a policy which allowed him to do so, and therefore a provision in the policy issued, which was never actually delivered, prohibiting additional insurance, was void. *Commercial Union Assur. Co. vs Urbansky et al*, 68 S. W. Rep. (Ky.) 653.—Where the evidence as to the value of a stock of goods at the time it was burned was positive and uncontradicted in an action against an insurance company to recover for the loss, and showed the loss to be more than the face of the policy, an instruction that the jury should determine from all the evidence the actual cash value of the property covered by the policy an instruction that the jury should determine from all the

## GEORGE SWIFT, Ltd.,

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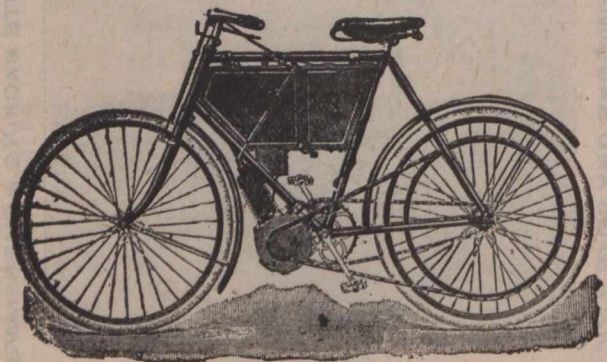
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Special prices to Cana-  
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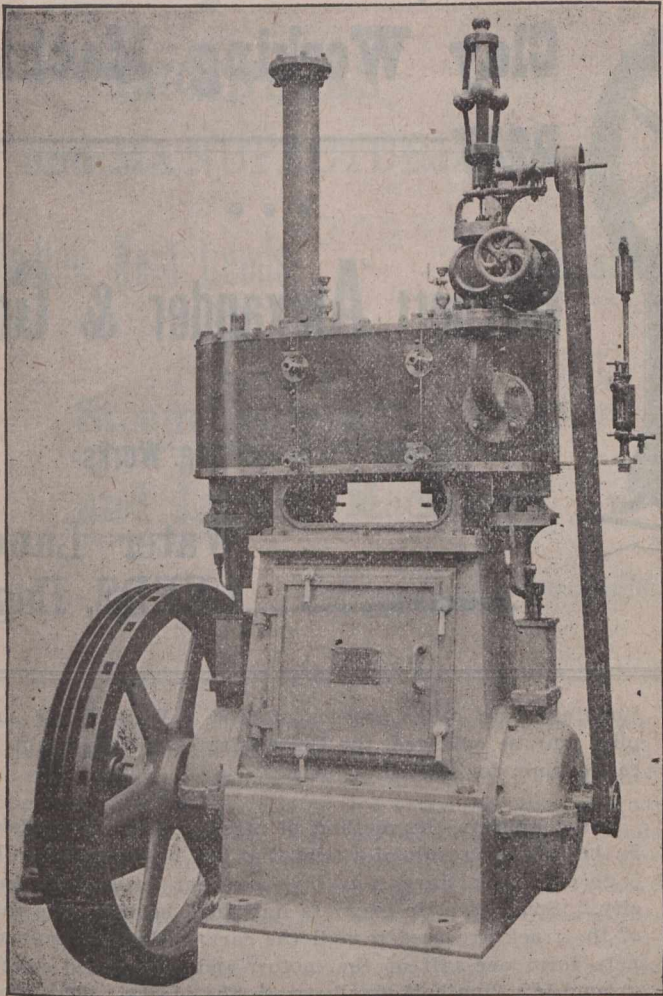
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These Engines are manufactured from 30 horse to 150 horse power under the new Canadian Preferential Tariff by \_\_\_\_\_

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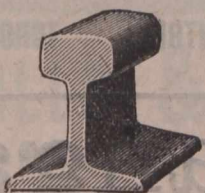
evidence the actual cash value of the property covered by the policy, estimating the same according to the actual cash value at the time of the fire, with any deduction for depreciation, however, caused, if the jury believed such deduction should be made, if not technically correct, did not contain error sufficient to reverse the judgment. Lion Fire Ins. Co., Limited, vs Heath et al, 68 S. W. Rep. (Tex. Civ. App.) 305.

— Statistics bearing on the probable wheat crops throughout the world are now in order, and these will be twisted and drawn many ways before a final estimate is produced. At present the world's production of wheat in 1902, is estimated at between 30,000,000 and 40,000,000 bushels in excess of 1901. In all sections of Canada the outlook for an average crop is good, and the aggregate yield

will, it is reported, be about as last year. The total crop in Canada will, it is calculated, be from 75,000,000 to 80,000,000 bushels. In Europe the outlook is quite favorable, and the yield in the aggregate will be about 90,000,000 bushels more than reported in 1901. France, Germany, and Austria-Hungary will have larger crops than last year. Stocks in second hands, however, are small, and about 21,000,000 bushels less than returned one year ago. The United States crop is estimated at about 675,000,000 bushels by the Chicago Trade Bulletin. Argentina will be an exporter on a limited scale during the balance of the year, but the growing crop is in fairly good condition, and prospects favor rather good shipments during the first half of 1902. Australasia will not cut much of a figure in the wheat trade of 1902-3 owing to the prevalence of an unusual drought in some of the provinces. India will prob-

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LOCOMOTIVES.  
CRANES of all kinds.  
STEAM & WATER  
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SHEETS, BAR IRON.  
AERIAL WIRE  
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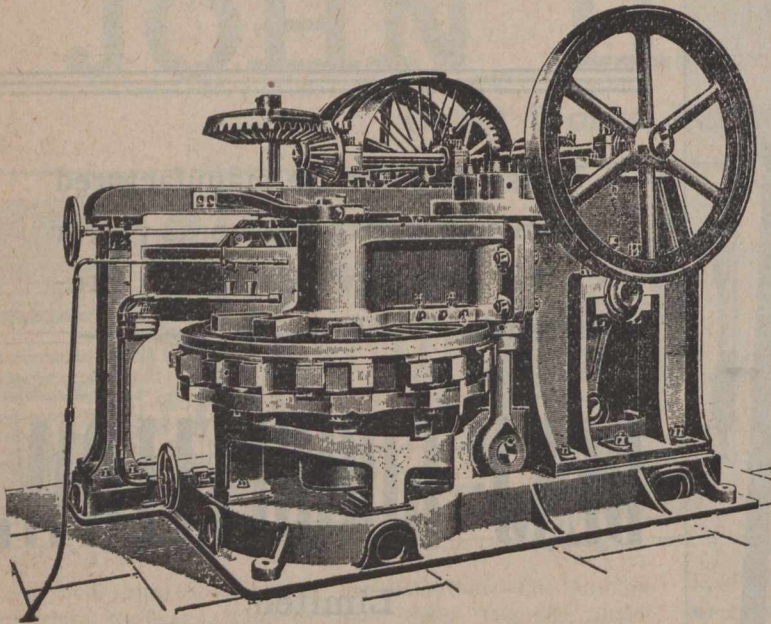


Steel Rails of all Sections. Fish Plates. Bolts. Spikes. Points and Crossings. Steel Sleepers. Wagons for all purposes. Wire Ropes. Pit Headings. Screens. Mining Steel. Pulsating Pumps.





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## Brick, Tile and General Clay Working Machi- nery

... ..

## Herbert Alexander & Co.

LIMITED.

Queen's Engineering Works:

Water Lane,  
LEEDS, Eng.

ably furnish as much wheat during the current crop year as during the past twelve months. Aggregate supplies of breadstuffs—flour and wheat—in all positions in the United States on July 1, 1902, may be conservatively estimated at 106,000,000 bushels, compared with an estimate of 94,000,000 bushels one year ago, and 140,000,000 bushels two years ago, owing to an increase of about 12,000,000 bushels. The quantity of flour and wheat in second hands is placed at 46,000,000 bushels, compared with 60,000,000 bushels a year ago—a decrease of about 14,000,000 bushels. The supply two years ago was about 85,000,000 bushels. The general demand for breadstuffs from the exporting countries will be nearly equal that during the crop year just closed. With the high prices prevailing for meats throughout the world, and the reasonable prices current for breadstuffs, there ought to be an increased consumption of the latter—at least until prices of the former recede to a lower and more equitable level. The general condition of affairs in Europe especially appears to warrant a liberal consumption of breadstuffs, as industrial concerns are not very prosperous, and prices of meats are higher propor-

tionately than other articles of food. While home supplies may be enlarged, the United States will no doubt be called upon for liberal quantities.

—A change in the method of street railway propulsion is the possible result of a trial that has been made in Chicago of a local invention, says a recent letter from that city. Small electric magnets imbedded between the rails of the track are used to pull the cars. The electro-magnets form one-half of the motor, and are placed in the ground in a line half way between the tracks. The other part, the armature, is attached lengthwise to the bottom of the car. It is a long iron bar, cut up into feet and so attached that the ends ordinarily are within an inch of the top magnet boxes. But the primary difference between the new system and the trolley car motor is that the new car is not propelled by the friction of the wheels with the track, but by the invisible force of magnetism. Each magnet is connected with the main feed wires, heavily insulated and bringing electricity from the power house. But when the car is not running over them the magnets are

Carbide Stores, Warehouse and Salesrooms :  
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## THE IMPERIAL "S. C." Acetylene Gas Company, LIMITED.

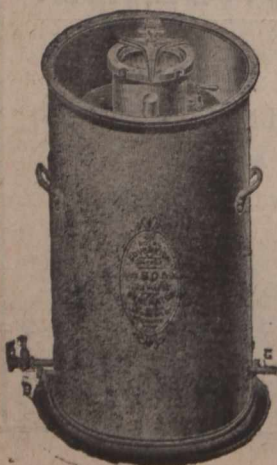
30 St. Ann Street,  
MANCHESTER, Eng.

Telegraphic Address:  
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Awarded the GOLD MEDAL  
(Highest Award) at the International  
Acetylene Exhibition, 1899, BUDA  
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THE

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Acetylene Gas Generators



"Every Factory in Canada should  
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## The J. C. McLaren Belting Co.

FACTORY:

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LUMP, FINE and GROUND.

## EVERITT & CO.,

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# Joseph Booth & Bros., L'td.,

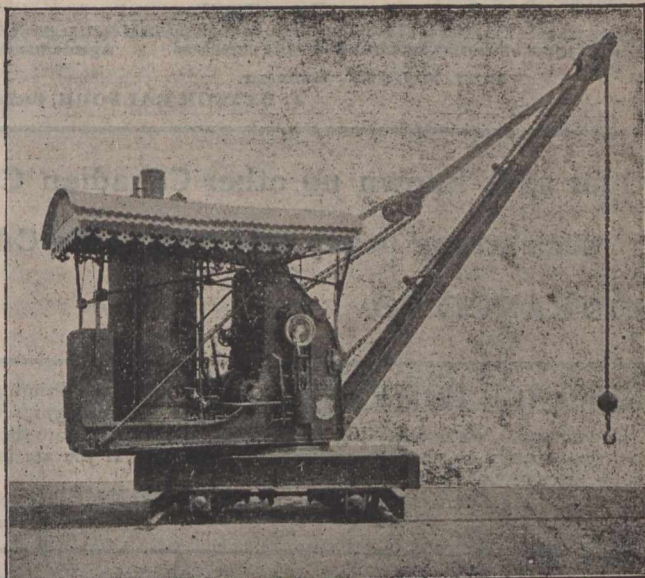
**ENGINEERS**  
and **MANUFACTURERS,**

Rodley, Near Leeds, - - England.

Manufacturers of

Steam Hydraulic Cranes  
and Lifting Machinery,

Under the New Canadian Tariff.



not magnetic. In other words they are not in the circuit except when the car comes over them. An arrangement of the magnets according to polarity, first a positive, and then a negative, is the scheme for attracting the car and making it run smoothly. In the car on the other hand, by the use of a small storage battery, the polarity of the feed armature is controlled. The operator of the car can with one movement of his one lever stop it or reverse the movement instead. The great saving which the inventor claims is in the amount of electricity required. He says seventy-five amperes will suffice for forty cars while with the present trolley system seventy-five amperes are required for one car. It is also claimed that the cars can be run faster than under systems now operated.

—A late London cable announces that a supplementary civil service estimate, just issued, aggregates upwards of

a half million pounds sterling and provides £250,000 (\$1,250,000) for free grants in aid of the sugar industry of the West Indies. The Government in the supplementary estimate asked for £25,000 additional for the expenses of the coronation caused by its postponement. This brings the total up to £125,000 (\$625,000).

—It is reported that a Toronto house has received an inquiry from a large French fruit firm, asking quotations on 100,000 barrels of Ontario apples, this year's crop. The present apple crop in Ontario is estimated at between 300,000 and 400,000 barrels, or over double that of last year, or that of several years back.

**AT LAST! AT LAST!!**

Something New  
for Our Farmers.



**FRANK MILLS & Co.,**

(Contractors to His Majesty's Government.)

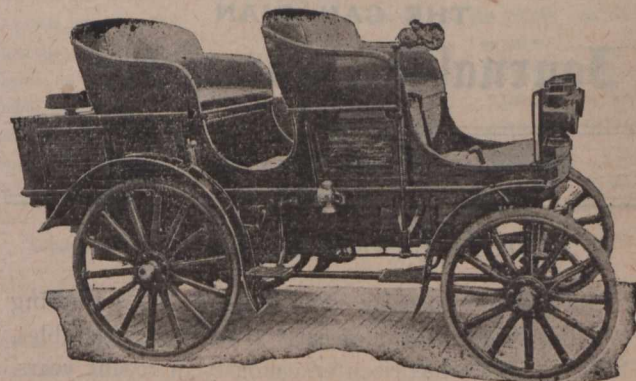
Hanover Works,  
Division Street,

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

LIGHT **LIFU** CARS.

**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.

**The Steam Car Co.,**  
**House's System Limited.**

REGISTERED OFFICES :

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**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.**


SO far as is known no other Canadian Company holds such strong policy reserves as the **CANADA LIFE ASSURANCE CO.**

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

**NORTHERN ASSURANCE CO'Y.**  
**INCOME AND FUND 1901**

Capital and Accumulated Funds, :::	\$42,990,000
Annual Revenue from Fire and Life Premiums and from Interest on Invested Funds .....	6,655,000
Deposited with Dominion Government for the security of policy-holders .....	235,000

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



Insurance.  
**PHENIX ASSURANCE CO'Y., Ltd.**  
**OF LONDON, ENG.**  
 Established in 1783. Canadian Branch Established in 1864.  
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 Agents for the Dominion  
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**Caledonian... INSURANCE CO.**  
**The Oldest Scottish Fire Office.**  
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 Government, Municipal and Railway securities bought and sold. First class securities suitable for Trust Funds always on hand. Trust Estates managed.  
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**G. ROSS ROBERTSON & SONS,**  
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**THE MANCHESTER FIRE ASSURANCE COMPANY.**  
 Established 1824. CAPITAL, - - \$10,000,000  
 Head Office, MANCHESTER, ENG. | Canadian Branch Head Office, - TORONTO.  
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**EVANS & JOHNSON, Resident Agents, MONTREAL.**  
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**The Imperial Life ASS'CE CO'Y OF CANADA.**

Will offer a most advantageous contract to a good representative in each of the following places:

Sherbrooke,	Knowlton,	Richmond,
St. Johns,	Stanstead,	Coaticook and
Huntingdon,	Waterloo,	Drummondville.
Farnham,	Granby,	

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

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

**THE CANADIAN Journal of Commerce.**

MONTREAL, FRIDAY, JULY 25TH, 1902.

**JUNE BANK STATEMENT.**

With June there usually come signs of crop gathering and moving such as those of early fruits and vegetables, the trade in which has risen enormously in recent years. During the greater part of June every fruit stall in Canada has been as well supplied with garden products as Covent Market Garden itself; indeed, in some respects, the more costly luxuries of that famous market are almost the necessaries of life in Canada so accustomed are we to abundant supplies of early fruits from California and the Southern States, as well as from our own gardens in Western Ontario. The handling of this class of business calls for considerable supplies of cash which, to some extent, a greater extent indeed than is

generally realized, accounts for the expansion of circulation in the same month as an equal decrease occurred in discounts. The growth of the note issues is a remarkable feature in the bank returns of the last few years, and if this year the circulation expands between June and October, as it did last year we shall see the total note issues at a figure nearly double what they were ten years ago, that is, they will be near about 64 millions. Already the circulation is 21¼ millions larger than in 1892, in which time the increase of circulation has reduced the margin between the amount issued and the legal limit from 29 millions to 15½ millions. This growing encroachment upon the margin left for enlarged circulation draws attention to the question as to the increase of capital in relation to the note issues. It



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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**  
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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.

is interesting to notice that the increase of capital in a number of banks has been followed by their circulation rising higher than the amount of paid up capital before it was enlarged, as the following shows:

	Old capital.	Present capital.	Excess of circulation over old capital.
Bank of Toronto	\$2,000,000	\$2,497,390	\$222,467
Bank of Commerce	6,000,000	8,000,000	642,318
Dominion	1,500,000	2,500,000	880,644
Ontario	1,000,000	1,399,660	261,462
Traders'	1,000,000	1,350,000	331,525

The increase in limit of circulation has already enabled about 3 millions to be added to the note issues of the banks whose capital has been increased, but it will not be before the Fall expansion occurs that these banks will enjoy the full benefit of their enlarged capital as a basis for more circulation.

Last month the deposits on demand, or credit balances of current accounts rose from \$101,714,180 to \$105,137,781, an increase of \$3,423,601, which is all the more noticeable as these balances were not so enlarged by the proceeds of discounts, so that they must have been increased by the deposit of cash receipts from cash sales or collections. The deposits proper, those payable after notice, were practically unchanged in June, the difference made since end of May having been only \$157,671.

The current loans and discounts fell last month from \$303,738,098 to \$300,714,347, a decline of \$3,023,751. Call and short loans in Canada, on the other hand, in-

creased from \$41,308,894 to \$45,828,253, an increase of \$4,519,359. The activity which has prevailed in the stock market accounts for this expansion, and the amount to which these loans has risen suggests the question whether the time has not come when it is desirable to call a halt. This is evidently the opinion of the General Manager of the Bank of Montreal, who has repeated in London what he said at the bank's annual meeting, that a close scrutiny of the intrinsic value of investments is desirable.

The increase of call and short loans advanced on stocks and bonds is a striking feature in the bank returns. They are now over thirty millions of dollars larger than ten years ago, leaving out of the comparison those now classified as "Call loans outside Canada." If these are reckoned, the banks have now \$92,216,494 advanced in call and short loans; that is, they have \$22,632,186 more than their total capital invested in loans on stocks and bonds. The growth of this class of business is not a favourable feature, as a large portion of it is the result of speculation, and when the tide of prosperity turns, as it can hardly fail to do, as in past years, the banks will find no little trouble to arise from these non-mercantile loans, unless they take in a good breadth of sail before the wind rises. The growth, too, of their holdings of securities, though not marked since June, 1901, is not an expansion that makes for proportionately enlarged profits, though the continuous inflow of deposits doubtless necessitates the utilization of these funds so as to make them at least earn their cost in interest and their share of management expenses.

We append our usual comparative table; the extended returns will be found on a later page:

### THE BANK STATEMENTS.

	June, 1902.	May, 1902.	June, 1901.	June, 1892.
Capital authorized	79,126,666	79,126,666	74,875,332	75,958,685
Capital subscribed	70,844,926	70,742,786	68,156,427	62,860,032
Capital paid up	69,584,308	69,358,448	67,095,718	61,512,630
Reserve fund	40,407,911	40,203,693	36,437,736	24,662,336

### LIABILITIES.

Notes in circulation	53,953,043	50,754,716	49,119,479	32,614,699
Due Dominion Government	5,577,134	4,249,376	3,647,790	4,162,700
Due Provincial Govts.	3,321,527	3,349,830	2,869,298	2,907,599
Deposits on demand	105,137,781	101,714,180	92,897,813	65,611,678
Deposits after notice	239,812,120	239,969,781	222,877,616	95,331,100
Deposits outside Canada	35,731,417	30,163,079	21,638,289	.....
Loans on bks in Canada, sec	698,096	680,815	1,415,336	160,000
Depts. on demand in Can. bks.	3,194,350	2,946,303	2,539,758	3,143,967
Due agencies in U.K.	5,024,180	4,740,853	6,906,088	4,461,999
Due agencies abroad	1,054,241	920,190	2,855,151	270,038
Other liabilities	11,599,460	10,600,764	10,554,072	326,811
Total liabilities	465,103,425	450,089,961	417,320,761	209,362,011

### ASSETS.

Specie	12,409,855	12,304,824	11,695,053	6,536,818
Dominion Notes	23,690,782	23,778,337	19,088,896	11,389,592
Deposits securing circulation	2,644,760	2,584,513	2,442,124	.....
Notes & cheques on other bks.	16,918,470	13,255,351	11,880,951	8,661,927
Loans to other bks in Can., sec	698,097	679,196	1,360,911	.....
Depts on demand in Can. bks.	3,821,451	4,215,064	3,808,555	.....
Due from bks, &c., in U.K.	5,957,350	6,374,242	4,440,719	1,686,766
Due from foreign bks, etc.	13,484,668	13,551,470	11,446,617	19,078,815
Dom. and Prov. Govt. secs.	10,024,060	10,169,429	12,318,007	3,053,549
Can. municipal & other pub sec	14,717,139	14,674,388	13,037,085	7,437,652

(Not Dominion).

Railway and other secs.	34,850,386	34,297,926	31,618,845	.....
Call loans in Canada	45,828,253	41,308,894	33,573,589	15,550,797



Call loans outside Canada	46,388,241	38,277,922	41,199,281	.....
Current loans in Canada	300,714,347	303,738,098	282,872,134	192,498,571
Current loans outside Canada	26,097,921	26,327,300	23,226,982	.....
Loans to Govt. of Canada	.....	.....	.....	.....
Loans to Provincial Govts.	3,935,592	4,118,213	3,167,483	1,750,629
Overdue debts	2,148,011	2,091,730	1,794,876	2,185,009
R. E. besides bk premises	890,756	893,000	907,985	1,100,806
Mortgages on real estate	793,776	777,942	650,372	815,472
Bank premises	6,851,226	6,814,182	6,541,498	4,549,757
Other assets	9,011,660	6,129,466	11,232,048	1,215,453
<b>Total assets</b>	<b>581,876,985</b>	<b>563,361,675</b>	<b>528,304,110</b>	<b>292,054,017</b>
Loans to directors & their firm	10,497,230	9,802,821	11,852,421	6,850,094
Average specie for month	12,420,737	12,323,898	11,869,498	6,271,489
Av. Dominion notes for mo.	23,413,978	21,821,409	19,170,742	10,692,631
Gr'tst circulation during mo.	54,648,201	52,184,227	49,630,106	33,108,574

THE ST. LAWRENCE ROUTE VS. NEW YORK.

We copy the following article from the New York Times on the subject of the comparative exports of grain to Europe via the St. Lawrence and New York. Two weeks ago we published a similar comparison for one week up to the 28th June last, made by the same authority as that given below.

That one week's report was strikingly in favour of the St. Lawrence route. This last comparison, for the three weeks ending the 12th July, 1902, is still more so. It will, however, require constant energy applied to the improvements on the route to keep up the pace for future years:

Following the plan of campaign of education to bring the people of this state to a realization of the extent to which New York has lost, and is losing its commercial interests there was a joint session yesterday at the Produce Exchange of its Canal Committee and sub-executive committee of the Canal Association of Greater New York, at which the subject was presented by various speakers. The Canal Association has issued the following:—

“The Canal Committee of the New York Produce Exchange, in Bulletin No. 4, compares the movement of grain from the great lakes exported via the Georgian Bay and Canadian routes with that via Buffalo and New York for three weeks ending July 12, 1902, as follows:

	Bushels.
Via Canadian routes	2,770,165
Via New York	1,097,855

Canadian excess of exports over New York. 1,672,310

(Diversion of other commodities of United States origin doubtless proportionately as great.)

“The diversion of New York commerce on the great lakes is the result of a freight rate via Canadian railroads and canals and their connections from Chicago to European ports that is cheaper than from Chicago via Buffalo and New York to European ports.

“Although the condition of the railroads of the United States is prosperous, that of the Canadian railroad systems is much more flourishing. The stated earnings of fifty-three railroads of the United States for the second week of June showed an increase of 6.89 per cent. over the same period in 1901, while the railway earnings of Canada, covering the same time, showed a gain of 17.6 per cent. This increase of Canadian railroad earnings is largely due to the diversion of lake traffic

that New York could have if a cheapening of the freight rate was made from Buffalo to New York that would compete with the Canadian routes. This can more than be accomplished through the operation of a canal from Lake Erie to the Hudson permitting the passage of barges of not less than 1,000 tons capacity.

“As a citizen of New York, having at heart the welfare of the State and city and proud of their financial and commercial greatness, it is your duty to advocate canal modernization and to urge upon the representative of your district the absolute necessity of canal enlargement in the interest of the commerce of the state and city.

“This is a most urgent business proposition and is endorsed and supported by the commercial organizations of Greater New York, Buffalo and other cities of the State.”

THE GREAT SHIPPING TRUST.

We cannot do better than give, in his own words, the conclusion of Mr. Eltzbacher's paper in the Contemporary Review, the substance of the earlier portion of which appeared in these columns last week under the above caption:

Owing to the rule of Free Trade doctrines, England is neither free to trade with other nations on a basis of equality, nor even altogether free to utilize her own resources. Consequently, some of her manufacturers have taken their machinery, staff, workmen and business connections bodily over to foreign countries, or have shut up shop, or have turned with the resourcefulness of the race to those other industries which the foreigner allows them for the time to follow without molestation. So far hostile tariffs and bounties have wrought their evil consequences upon her industries very gradually, and consequently the havoc done to them has attracted comparatively little notice. But the dramatic suddenness with which the cream of her Atlantic shipping trade has been wiped out of existence and the threat which lies in the Shipping Trust suddenly to increase the price of her food and raw material are bound to stir up the nation, and to open the eyes even of the most self-complacent and infatuated Free Trader. It may be a very expensive lesson, and consequently it will be taken to heart.

She has been singularly lucky in one respect. Her would-be enemies have usually proved her greatest friends. The attack of the Boers, coupled with the universal attacks of hatred and calumny on the Continent, have opened the eyes of the nation to realities in politics, and have welded the Empire together, to the chagrin of her enemies. Even so the startling attack of an American corporation upon our shipping will probably prove a blessing in disguise. As the South African war has glaringly exposed her unreadiness for war, even so the increasing attacks of the secret commercial war which is being waged by her trading rivals will quickly open the eyes of the nation to her economic unreadiness and insularity, to the fallacy of the ruling doctrines of political economy, and to the necessity of a business-like, efficient Government by capable men who look after the country's trade, and not by figure-heads and party pillars. America and Germany, in trying to capture her trade, industries, shipping, and eventually her Colonies, are waking her up to the realities of economic life. They will rub in the lesson mer-



cilessly; they will assist her with American managers, German chemists, and international financiers, until, awakened by defeats, Great Britain will gather herself together, reorganize her economic forces, and again lead the nations in economic progress and prosperity. Rocked into security by time-honored successes, she has slept on her laurels. In education, in the use of science, of up-to-date machinery, and of modern organization and harmonization of forces as applied to trade and industries, she is making too slow progress. The successes of her rivals will be only temporary, for she has the greatest latent resources in the world as regards raw material, human material, markets, and strategic positions for commerce and industry.

The economic renaissance of Great Britain must needs be gradual, and there are already many signs that the tide is turning. The importance of the application of science to industry is being generally recognized; technical education is spreading fast; and charitable bequests are more and more—though not by any means sufficiently often—displaced by bequests for educational purposes. Manufacturers are discovering that their shops have too much antiquated machinery; they are replacing their out-of-date plant everywhere with the newest and most perfect, and engineering firms are vigorously going in for standardization. Railway companies are finding out that their methods are wasteful in the extreme, that for instance the average truck-load on the London and North-Western Railway has according to official returns been under three tons, as compared with an average truck-load of eighteen tons on the Pennsylvania Railway, and that consequently each ton moved costs the London and North-Western Railway six times more for locomotive power, shunting expenses, etc., and eight times more for truck repairs and renewals, than it costs the Pennsylvania Railway. Railways are waking up to the fact that they are behind the times, and that they throttle trade with their high rates, and railway managers have run over to the United States to learn from American experience. Directors of industrial companies are finding out that it is unwise to distribute all their earnings, and are beginning to allow amply for renewals, and to create substantial reserves. The leaders of the trades unions and the men themselves are discovering that restriction of output is a suicidal policy. The public has become sick of losing its money in wild-cat schemes, and is turning away from bogus flotations. It rebels against incompetent or fraudulent directors, and the promoters, who will always float what "will go," find out that solid enterprises are "going," and that they get "stuck" with unsound schemes. The politicians also see that the tide is turning, and are more and more strongly advocating efficiency and businesslike government, and feel less inclined than formerly to rely on a plausible "cry" like Free Trade. They are recognizing that Free Trade is coming up for trial, and the Government begin to show fight against the iniquitous Continental sugar bounties. Also the emigration of citizens and of industries is no more viewed with former unconcern. In fact, the whole nation is putting its shoulder to the wheel, bent on the furtherance of economic efficiency.

Two important factors are, however, as yet insufficiently recognized, though they will probably be hampered in by the American Shipping Trust, and by the other Trusts which are attacking British industries. These factors are:—(1) The supreme importance of combination in business, and the necessity of bringing

conflicting interests into line by insisting on the community of interests; (2) the impossibility of private enterprise to stand up against the powerful State-aided industries.

Englishmen have been so long accustomed to look after themselves that they have become constitutionally disinclined to combine for business. Treatises might be written and long lectures held on the importance of combination for business, and on the community of interests—as for instance in the case of manufacturing industries, railways, and shipping—illustrated with convincing examples; but they will not prove as convincing to the business community as the sight of once-powerful businesses smashed or swallowed up by vast combinations working in harmony with (seeming) unlimited resources behind them. Events such as the absorption of Bryant and May by the Diamond Match Company, the attack of the American Tobacco Trust, and the formation of the American Shipping Trust, will give us a salutary and much-needed lesson. As yet trusts and powerful combines are viewed with vague distrust, and are commonly either considered as mere promoters' inventions, designed to enrich a few financiers and then to collapse, or as institutions solely planned to create a monopoly, and to extort from the public the highest price for inferior articles. No doubt many trusts have been launched for such objectionable purposes; but the trust in its highest form is simply a superior phrase in the organization of industry; it is a machine designed to facilitate work, to simplify business, to diminish friction, to improve manufacture, to buy collectively at the cheapest, to replace a host of intruding middlemen and of competing shipping agents, carriers, commercial travellers, auditors, lawyers, banks, etc., and to regulate the giving of credit. An individual business man gropes in the dark in the conduct of his business, stumbles everywhere over his competitors, pays a lot of unavoidable but nearly useless intermediaries, wastes much time on unnecessary correspondence, cannot concentrate his energy on one point, and is served by partly occupied secondary men. A Trust commands the services of the best men, keeps them fully occupied, concentrates their energy, and forms a definite deliberate policy in accordance with the requirements of the market and the capacity of the industry.

It will be objected that businesses are most progressive when healthy competition provides the spur. That is quite true; but healthy competition need not be inter-necine. Thus a number of businesses or industries which have been wasting their strength in fighting amongst themselves are welded into a disciplined army which will move aggressively only against the foreigner. At the same time the individual concerns in a properly constituted Trust are engaged amongst themselves in a keen and healthy competition for excellence and cheapness of production, by which alone they can increase their participation in the profits; the best men are promoted by competition, and the Trust serves as the intellectual centre, as a clearing houses, for information and advice, to all its constituent members, whence valuable secrets of trade and manufacture, which otherwise would have benefited only an individual firm, benefit now the whole trade.

When looked at with an unbiassed mind, properly constituted trusts are seen to serve to cheapen production, facilitate distribution, increase consumption, and thereby create more wealth and greater comfort and happiness for the masses. Trusts which try to maintain



monopoly prices are creating competition and digging their own graves. Trusts can only subsist if they strive for cheapness and excellence. The objection might be raised that the consolidation of numerous businesses into a huge Trust makes many intermediaries useless and throws them out of work, but that objection was raised against steam engines when they were first introduced, and has since been fully answered. It would lead one too far to consider the working and the beneficial effects of a properly conducted Trust more closely, but the reader cannot do better, if he wishes for fuller information on the subject than read the excellent papers on the great U.S. Steel Corporation reproduced in these pages in August and September, 1901.

The great economic labour-saving advantages of properly constituted Trusts are clear; but even the largest combination of industry under the most capable guidance is unable to stand up against powerful State-aided industry. The decay of the West India sugar industry under the bounty system is a case in point. No amount of combination or excellence of organisation and management could have preserved to the West Indies their former prosperity, to which their natural resources entitle them, and which they have lost through Continental bounties. It is possible to fight a private foreign combination, such as the Shipping Trust, by a counter combination; but private enterprises, even if combined, are powerless against the attacks of foreign State-aided industries. It will have to be recognised that the Government has great responsibilities towards home industries, that it cannot afford to neglect them, and that it is its duty not only to protect the citizen against open hostile attacks of foreign countries on British soil or British lives, but also against secret hostile attacks of foreign countries aimed at the wealth and the natural resources of the Empire.

So far the attacks made by foreign tariffs and bounties have been chiefly directed against the creation of manufactured goods; but there is no reason why foreign countries or foreign State-aided corporations should not attack the raising of raw produce in the Colonies. Attacks might for instance be made upon Canadian grain and cattle-raising, Australian wool growing, etc., and in all probability they will be made, unless the Empire stands united in trade as it has stood in war, ready to retaliate for every attack on its business.

The Trusts will convey the lesson that not only greater efficiency in business and greater individual efforts are required, but that the whole world is becoming like one country, and that not only trade and industries, but talent of every kind will go to that State where it has the greatest chance, where it is best paid, best protected, and least molested. Starting from a system of international private competition for trade, England has arrived at the phase of Governmental competition amongst States for the trade of the world. The next phase will probably be the competition of States not only for markets, but also for talents, for scientists, merchants, financiers, etc., who can only be attracted by giving them the greatest remuneration, assistance, and protection. With free migration of capital the natural and accumulated wealth of a country can be drained out of it by the foreigner, and prosperity will not so much be influenced by the existence of natural resources as by the excellence of human resources, and institutions for the utilization of the existing natural resources, such as a business-like Government, good education, good patent

and general laws, and the intelligent furtherance of the commercial interests at stake by the Government.

To the United States the Trusts may convey a different lesson. The idea underlying Trusts is excellent, and Trusts, when properly constituted and managed, are bound to be highly successful and beneficial; but the best idea may be hunted to death. Intoxicated by their successes, American financiers have converted into Trusts suitable and also quite unsuitable industries, and have capitalised them at exaggerated prices. The reaction will not fail to come, and it may come soon. Happily the British public will only be affected indirectly when the inevitable smash comes, as most Trust securities are unknown in this country. Posterity will perhaps compare Mr. J. P. Morgan with John Law. John Law recognised in paper the currency of the future, and in driving this excellent idea too far brought France and himself to ruin. Mr. J. P. Morgan has recognised the Trust as the industrial organisation of the future, but he may, by driving his idea too far, and by trying to conquer the whole world, for his Trusts, bring disaster all round him.

In this connection it may not be out of place to quote the remarks of the Honble. George A. Drummond, of Montreal, before the House of Commons Committee, London, on Tuesday last. Senator Drummond believes the land line (the railways) practically controls the situation, and that the ocean lines are merely adjuncts. The project of building new ships to replace the old ones purchased by the U.S. Trust would not be a practicable move on the part of a new organisation, because it could be defeated—made unprofitable—by the Americans through the employment of through bills of lading from the producing centres, and who could thus direct and control freight and (largely) passenger traffic. The only hope of escape from the threatened combine is through Canada, by means of an up-to-date service of twenty-two knot steamers between Great Britain and Canada. Such a line ought to be subsidized to the extent of 1½ to 2 millions of dollars yearly for ten years, half payable each by the Mother Country and the Colony. If judiciously managed it should in that time be self-supporting. These views, coming from a man of Senator Drummond's well known sagacity and long practical experience in one of the largest industries of Canada, can hardly fail to have great influence in the proper quarter.

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#### THE TORONTO FIRE INQUEST.

The inquest held in Toronto to discover the cause of the death of five members of the fire brigade when on duty at a recent fire in that city has brought out evidence of a remarkable character. The building where the fatality occurred, was erected by the Street Railway Company, on Queen Street East, for stables, storing cars, fodder, etc. It was near the Gooderham Distillery, west of the Don bridge. When in course of erection, the thinness of the walls for a building extending, in one direction, over 400 feet, was much commented upon as being risky, for they would have been blown over had a strong north or south wind have struck them. The structure was, in fact, a mere brick shell covered over with a roof that was just about as much as the walls could safely carry. When the company adopted the



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trolley system this barrack-like property was rented for storing a variety of such combustibles as hay, straw, binder twine, rags and woodenware, with other goods liable to be seriously damaged by a moderate fire, such as crockery and wool. It was a kind of department-storage place with nobody in particular in charge, just the spot, indeed, for a swiftly burning fire under specially dangerous conditions to firemen. These sheds—it is a farce to call them warehouses—were regarded by the Toronto Fire Brigade as a death-trap. Foreman after foreman swore at the inquest that the building was very dangerous. Several of them had inspected it officially and cautioned the men to be careful if a fire occurred. One foreman told his men to abandon the place if a fire got a good hold of the premises, as it would be useless and very risky to go near them. Drivers of waggons testified to the building shaking as they drove past, of bricks falling out, and other signs of the walls being too weak. When at work with ladders placed against the building, the walls collapsed, falling outwards, and killing five firemen.

Such a building ought not to have been allowed to be used for storing goods without being strengthened and divided up by strong partition walls of brick. The Chief of the Fire Brigade ought to have represented the condition of the building to the city authorities and entered an emphatic protest against its being used for warehousing such combustibles as straw, hay, woodenware, &c. The local underwriters should have been urged to join in this protest, and warned of what was known to the firemen, though their own inspectors should have been aware of the place being so dangerous. Probably the death of the five brave men at the post of duty will awaken the Toronto City Council, to there being something rotten in the city's fire protection arrangements.

## ASPHALT PAVING IN NEW YORK.

From a tabulated statement prepared by the street Department of Works in New York city, it is learned that the average price of the asphalt pavements being laid this year is \$1.40 per yard, as against an average price of \$2.70, laid under Tammany rule in previous years.

This great reduction, it is claimed, has been brought about by a fair and healthy competition, which has been impossible hitherto. The specifications, before this, were such that only contractors in favour with Tammany and its rulers could comply with the conditions, and the work was divided up amongst them by mutual arrangement. Under the new regime, all this has been changed and other contractors who for years have been striving to get a share of the work have, by the change, in the specifications, been able to tender on equal terms with those who have for so long had a monopoly in that class of work.

The competition seems to have been very keen, and the result is that an unusual quantity of asphalt street paving will be done in that city this year. Under the old regime there must have been enormous profits in asphalt paving, judging by the prices now prevailing and those paid last year and previous years.

We gather from the New York papers that, in order to meet the competition they foresaw coming, the former monopolists reduced their prices so far that in some of the streets they were the successful tenderers.

Such is the benefit for the public from a fair competition and it affords an object lesson for other cities to study and learn from.

—The Commercial Bank of Windsor, N.S., has been absorbed by the Union Bank of Halifax.

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Special prices to Canadians under the new tariff.



WHAT CANADA BUYS—(3).

This week 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:

DUTYABLE GOODS.

ENTERED FOR HOME CONSUMPTION.

ARTICLES IMPORTED.

SURGICAL DRESSINGS (plain or medicated)—

—Total Imports.—

Countries.	Quantity.		Value.		General Tariff.		Preferential Tariff.	
	Quantity.	Value.	Quantity	Value.	Duty.	Quantity.	Value.	Duty.
BELTS OF ALL KINDS, N.O.P.—								
Great Britain	.....	\$13,314	.....	\$3,526	\$1,234.10	.....	\$9880	\$2305.34
China	.....	10	.....	10	3.50	.....	.....	.....
France	.....	1,250	.....	1,277	446.95	.....	.....	.....
Germany	.....	5,012	.....	5,012	1,754.20	.....	.....	.....
United States	.....	23,934	.....	23,961	8,386.35	.....	.....	.....
Total	.....	43,520	.....	33,786	11,825.10	.....	9880	2305.34

BELLS AND GONGS, N.E.S.—

Great Britain	.....	4,238	.....	144	43.20	.....	4094	818.80
Newfoundland	.....	4	.....	4	1.20	.....	.....	.....
China	.....	3	.....	3	90	.....	.....	.....
France	.....	101	.....	101	30.30	.....	.....	.....
Germany	.....	315	.....	315	94.50	.....	.....	.....
Japan	.....	88	.....	88	26.40	.....	.....	.....
United States	.....	16,410	.....	16,390	4,917.00	.....	.....	.....
Total	.....	21,159	.....	17,045	5,113.50	.....	4094	818.80

BILLARD TABLES, WITHOUT POCKETS—

Countries.	No.		Value.		Duty.		No.	
	No.	Value.	No.	Value.	Duty.	No.	Value.	
Great Britain	4	888	1	131	45.85	4	1565	365.17
France	1	135	1	135	47.25	.....	.....	.....
United States	109	4,385	109	4,385	1,534.75	.....	.....	.....
Total	114	5,408	111	4,651	1,627.85	4	1565	365.17

BILLIARD TABLES, WITH POCKETS—

United States	2	173	2	173	60.55	.....	.....	.....
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BLACKING, SHOE, AND SHOEMAKERS' INK—

Great Britain	.....	2,315	.....	982	245.50	.....	1333	222.18
Belgium	.....	257	.....	311	77.75	.....	.....	.....
France	.....	654	.....	654	163.50	.....	.....	.....
United States	.....	17,976	.....	17,981	4,495.25	.....	.....	.....
Total	.....	21,202	.....	19,928	4,982.00	.....	1333	222.18

BLINDS OF WOOD, or other material, not textile or paper

Great Britain	.....	.....	.....	.....	.....	.....	5	1.00
France	.....	37	.....	37	11.10	.....	.....	.....
United States	.....	219	.....	219	65.70	.....	.....	.....
Total	.....	256	.....	256	76.80	.....	5	1.00

BLUEING, LAUNDRY BLUEING, all kinds—

Countries.	Lbs.		Lbs.		Lbs.		Lbs.	
	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Great Britain	195,633	17,562	1,524	163	40.75	196421	18259	3043.24
France	.....	.....	200	9	2.25	.....	.....	.....
Germany	200	158	200	158	39.50	.....	.....	.....
United States	11,887	2,407	11,887	2,407	601.75	.....	.....	.....
Total	207,720	20,127	13,811	2,737	684.25	196421	18259	3043.24

BOATS, OPEN PLEASURE SAIL BOATS, &c.—

Countries.	No.		No.		Value.		Value.	
	No.	Value.	No.	Value.	Value.	Value.	Value.	Value.
Great Britain	2	102	2	102	25.50	.....	.....	.....
Newfoundland	2	95	2	95	23.75	.....	.....	.....
United States	107	8,282	108	8,292	2,073.00	.....	.....	.....
Total	111	8,479	112	8489	2,122.25	.....	.....	.....



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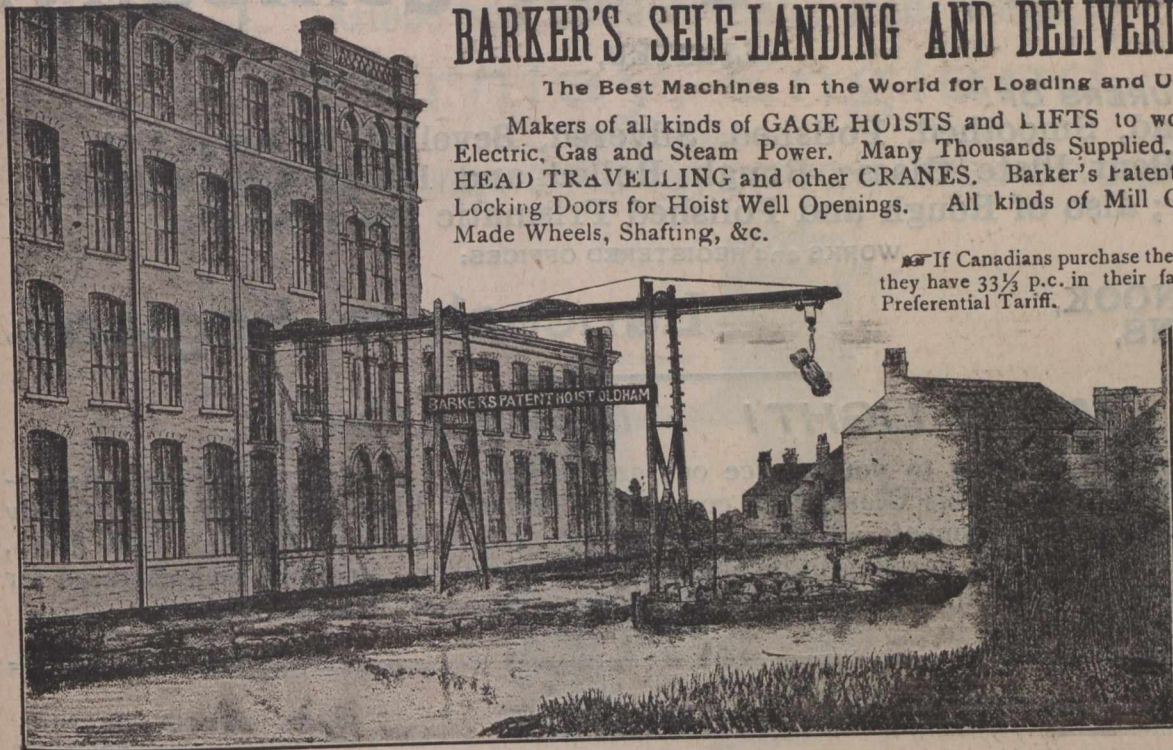
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**THE MANSIONS PROPRIETARY, LONDON.**

The following statement from the receiver of an ambitious effort to establish a large hotel and kindred undertakings lately in London, England, will have some interest for business men solicited to engage in similar enterprises. When some of the largest hotel combinations in Europe find difficulty in making headway, it was not likely that a hotel so extravagantly fitted up—managed by one or two lady-like, respectable, inexperienced young women, was likely to repay the investors. The exploiters, of course, are not the worst off. It takes a smart man to run a hotel in "America," with the smart woman as a helpmeet.

1. An order appointing the Official Receiver Provisional Liquidator was made on the 30th January, 1902, on a creditor's petition presented on 21st January, 1902.

2. The Winding-up Order was made on the 13th February, 1902, on the petition of a creditor, presented on the 20th January, 1902.

3. The Statutory Meetings of Creditors and Contributories were held on 25th March, 1902, and as a result Mr. Ernest Innis Husey, of Messrs. Jackson, Pixley, Browning, Husey & Co., Chartered Accountants, of 58, Coleman Street, London, E.C., has been appointed Liquidator, with a Committee of Inspection.

4. The Company, which was promoted by Messrs. Martin Fradd, Leonard Lionel Bloomfield, James Solomon Blanckensee, and Harry Richardson, was incorporated on 23rd December, 1896, with a nominal capital of £100,000, divided into 10,000 A shares of £1 each, 20,000 B shares of £1 each, 20,000 C shares of £1 each, and 50,000 D shares of £1 each. The respective classes of shares were to participate in the profits in different proportions, as set out in the Memorandum of Association.

5. In June, 1897, the capital of the Company was increased to £200,000 by the addition of 100,000 ordinary shares of £1 each, and in the following July the capital was reduced to £100,000, by the cancellation of the A, B, C, and D shares. The new ordinary shares participated in the profits pari passu.

6. The Company was formed primarily "to acquire, complete, furnish, and turn to account, by sale, lease, letting in flats, or suites, or otherwise howsoever, the hereditaments, messuages, and premises known as St. Ermin's Mansions and St. Ermin's Mansions Extension, Victoria Street, Westminster."

7. The following table shows the directors of the Company from its commencement:

Name.	Appointed.	Resigned.	Remarks.
J. S. Blanckensee ..	Formation	—	Appointed under Articles of Association for life.
M. Fradd .....	Formation	May, 1897	
L. L. Bloomfield ..	Formation	September, 1897	
H. Richardson .. .	Formation	December, 1901	Managing Director.
W. W. Woolnough ..	August, 1897	—	—
C. W. Woolnough ..	August, 1900	—	—
T. L. Wells .. .	December, 1901	—	—
S. S. Parry .. .	December, 1901	—	Managing Director.

8. The original qualification of a director was that he should be merely a shareholder, but in April, 1898, the qualification was by a special resolution declared to be the holding of shares of the Company of the nominal value of £500.

9. Mr. W. W. Woolnough on joining the Board received from Messrs. Blanckensee and Richardson 3,749 shares for a nominal consideration. He subsequently purchased 9,351 shares at prices varying from 10s to 15s per share. Mr. C. W. Woolnough, in July, 1897, received 100 shares from Mr. Blanckensee for a nominal consideration, and in August, 1897, 1,249 shares from Mr. Richardson for a nominal consideration. He subsequently acquired 1,000 shares at prices varying from 10s to 15s per share. The Messrs. Woolnough state that they were given the shares by Messrs. Richardson and Blanckensee in consideration of services rendered by them in arranging financial assistance to the Company.

10. Mr. Wells acquired his 500 qualification shares from Mr. Richardson for £200.

11. Mr. Parry, prior to joining the Board as chairman, entered into an agreement with Messrs. Blanckensee and Richardson, whereby in consideration of his undertaking to provide further working capital for the Company to the extent of £5,000 for twelve months, he was to receive, according to the agreement, £5,000 in fully paid up shares, the use of a flat belonging to the Company, and stable and horses, "the run of the St. Ermin's Hotel," and £150 per annum salary.

12. No fees have been paid to any of the directors but an amount of £150 is entered in the Company's books as owing to Mr. W. W. Woolnough in respect of fees.

13. The vendors to the Company, Messrs. Fradd and Blanckensee, acquired on 7th December, 1896, for £10,000, the residue of a lease from the Ecclesiastical Commissioners, for a term of 999 years from 29th September, 1896, subject to a ground rent of £5,500.



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14. By an agreement, dated 8th December, 1896, made between the vendors, Messrs. Bloomfield and Richardson, and a trustee on behalf of the Company to be formed, the Company acquired the lease as from September, 1896, for £100,000, payable by the issue of the 100,000 shares of the Company (referred to in paragraph 4) issued as fully paid. Under this agreement Messrs. Blanckensee, Bloomfield and Richardson undertook to advance or to procure the advance to the Company a sum not exceeding £25,000, for the purpose of developing the property.

15. The agreement was adopted by the Company on the 18th January, 1897.

16. The original 100,000 vendor's shares having been cancelled, an agreement, dated 2nd July, 1897, was entered into by the parties to the purchase agreement of 8th December, 1896, by which the 100,000 ordinary shares were issued to the vendors, with the exception of 4 shares allotted to the signatories to the Memorandum and Articles of Association. The amount stated in the agreements as the purchase price, viz.: £100,000, was, it appears, an error—the intention being to pay a sum of £10,000 in cash, being the amount payable to the original vendor, in addition to the allotment of 100,000 shares. On 14th February, 1898, a further agreement was entered into between the Company, Messrs. Blanckensee and Richardson, and all the shareholders of the Company, rectifying the error in the amount of the purchase price.

17. In May, 1897, Mr. Fradd assigned his interest in the purchase consideration for the sum of £8,000.

18. In August, 1897, Mr. Bloomfield assigned to Messrs. Blanckensee and Richardson his interest in the purchase consideration, the consideration being £4,000 and the repayment of the amount of £6,000 advanced by Mr. Bloomfield to the Company.

19. The ordinary shares were allotted thus:

- 33,332 to Blanckensee.
- 33,332 to Bloomfield.
- 33,332 to Richardson.
- 4 to Signatories.

20. The St. Ermin's Hotel, prior to its acquisition by the Company, had been let out in flats. The policy of the Board was as these flats became vacant, to convert the premises into an hotel, and in this way a sum of about £58,000 has been, according to the books, expended in structural operations.

21. In order to provide the necessary funds for the development of the property, a debenture prospectus was issued in January, 1898, offering for subscription 75,000 4 per cent. first mortgage debenture stock at par,

22. The whole of the amount was taken up with the exception of about £15,650, which was subscribed for by the directors or their friends.

23. The debenture deed provides that a sinking fund be provided for the purpose of paying off the debenture stock by the investment of the sum of not less than £440 in each half-year. The provisions of the deed in this respect have been carried out with the exception of the half-year ending December, 1901.

24. With the capital thus received mortgages on the Company's property amounting to about £30,000 were paid off, leaving a balance of about £45,000 for working capital.

25. The following properties have at various times been acquired by the Company:

1. Marlborough Mansions, Victoria Street, Westminster.
2. Glendower Hotel, and Nos. 7, 9, 11, 13, and 15, Harrington Road, South Kensington.
3. Regency Mansions, Shaftesbury Avenue, W.C.
4. Iddesleigh Mansions, Victoria Street, Westminster.
5. 5, St. Ermin's Hill, and 17 Snow's Rents, Westminster.

26. From the audited accounts of the Company, the following is the financial result of its trading:—

- From formation to 29th September, 1897. Loss, £345 7s 8d.
- For the year ending 29th September, 1898. Profit, £1,974 6s 6d.
- For the year ending 29th September, 1899. Profit, £5,737 2s 4d.
- For the year ending 29th September, 1900. Loss, £1,799 18s 10d.

27. A dividend at the rate of 7 per cent. per annum was paid out of the profits for the year ending September, 1899. The profit for that year is arrived at without writing off any depreciation, but the directors justify this by stating that the furniture, &c., was purchased at very favourable prices at sales, &c., and was fully worth the value placed upon it in the books. The buildings, too, were, it is stated, kept in good repair out of the revenue. The loss for the year ending 1900 is attributed by the directors to the fact that the business at St. Ermin's Hotel was seriously hampered and retarded by reason of the important structural alterations in course of execution.

28. In order to provide further working capital a prospectus offering £100,000 5 per cent. "B" debentures at 95 per cent. was issued in May, 1900; but only about £25,000 was subscribed by the public. The issue was underwritten to the extent of £40,000, and the underwriters took up the balance. The full amount of the "B" debentures was



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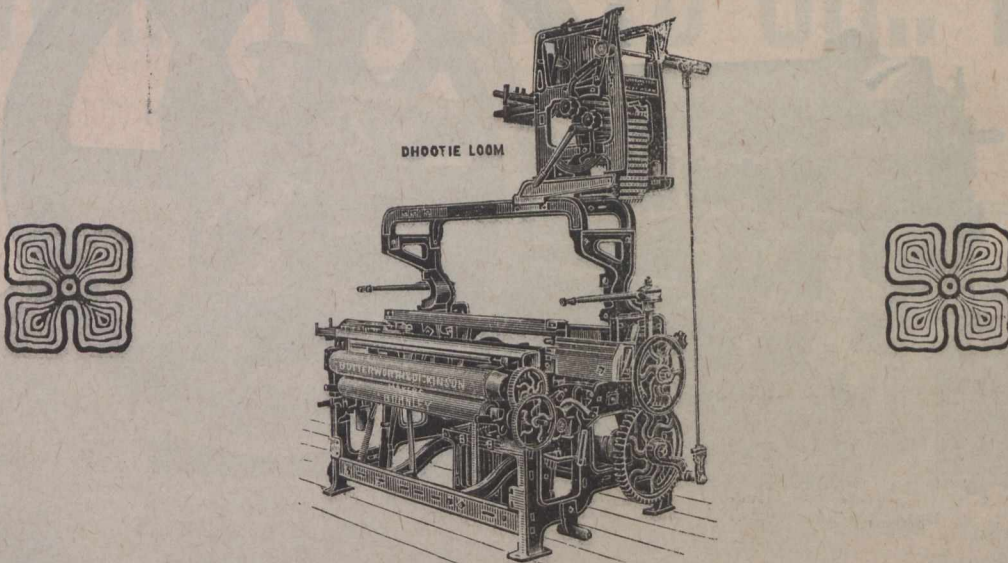
"Globe Burnley,"

Globe and Saunder Bank Iron Works,

## Burnley, England.

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**Up-to-date Machinery of the best construction. Low Prices. Prompt Delivery.**

subsequently issued principally to the Company's bankers as collateral security for moneys advanced to the Company, the balance being at various times subscribed for.

29. The alterations as St. Ermin's Hotel were principally carried out by Mr. Richardson, trading as Childs & Company, and sums amounting to over £34,000 have been paid to him in respect thereof. Mr. Richardson's connection with the firm was known to the directors, and an arrangement was come to that the work done should be charged for at cost price, plus 20 per cent. to cover rent, ~~costs~~ men's and other charges. This arrangement has been, as far as can be ascertained from the books and accounts of both companies, duly carried out.

30. There appears to have been considerable mismanagement of the business. In December, 1900, an hotel expert was called in at the instance of the directors, and as a result serious deficiencies in connection with the cellar and catering departments were discovered, and according to the books the cash was deficient to the extent of £315.

31. The account of the managing director was overdrawn at the dates given in the following amounts:

29th September, 1898 .....	£5,577 19 9
Do. 1899 .....	9,993 9 6
Do. 1900 .....	5,919 18 5

He is entered in the Statement of Affairs as a debtor to the extent of £1,712 10s 6d, but the amount is disputed. The managing director explains the large overdrafts to the fact that he, on behalf of the Company, financed certain of the properties prior to their acquisition by the Company.

32. In consequence of disputes arising between the directors, the debenture-holders applied to the Court for the appointment of a receiver, and Mr. Ernest Innis Husey, of Messrs. Jackson, Pixley & Company, was appointed on the 17th January, 1902, and the business has since been carried on by him.

33. "The unsecured indebtedness" (£26,043 4s 2d) is made up of ordinary trade debts £17,000, and loans £9,000; of the latter amount £5,761 4s 6d is stated to be owing to Mr. Blanckensee,

34. The other liabilities, £3,819 8s 7d, represent amounts owing in respect of rent, lighting, &c.

35. The "fully secured creditors" (£31,000) and "partly secured creditors" (£5,687) hold mortgages on certain of the Company's properties.

36. The "preferential creditors," £3,820 16s 10d, are for rates and taxes.

37. The directors of the Company concur in the Statement of Affairs lodged by the secretary with the exception principally of the values put upon the various properties, which, in their opinion, are too low.

38. The insolvency of the Company appears to be attributable to want of working capital to finish the alterations at the St. Ermin's Hotel, and to indifferent business management.

39. The following is an abstract of the Deficiency Account in the Statement of Affairs:

Excess of Assets over Capital and Liabilities on the 29th day of September, 1898, as per Company's balance sheet .....	£1628 18 10
Gross profit arising from carrying on business from the 29th day of September, 1898 .. . . . . .	174384 14 6
Deficiency as per Statement of Affairs .....	108607 2 7
Amount over-accounted for .....	234 1 6

£284854 17 5

Expenses of carrying on business from the 29th of September, 1898, viz.:-	
Salaries and wages .....	£35748 10 9
Rent rates, and taxes .....	60840 7 1
Miscellaneous trade expenses .....	101451 9 10
Interest on loans .....	3751 7 7
Interest on Debentures .....	14318 13 8
	£216110 8 11
Bad debts .....	1320 9 1
Directors' fees from the 29th day of September, 1898 .....	150 0 0
Dividends paid since the 29th day of September, 1898 .....	7000 0 0
Depreciation on property not written off in	



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

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

Patricroft, Manchester, England.

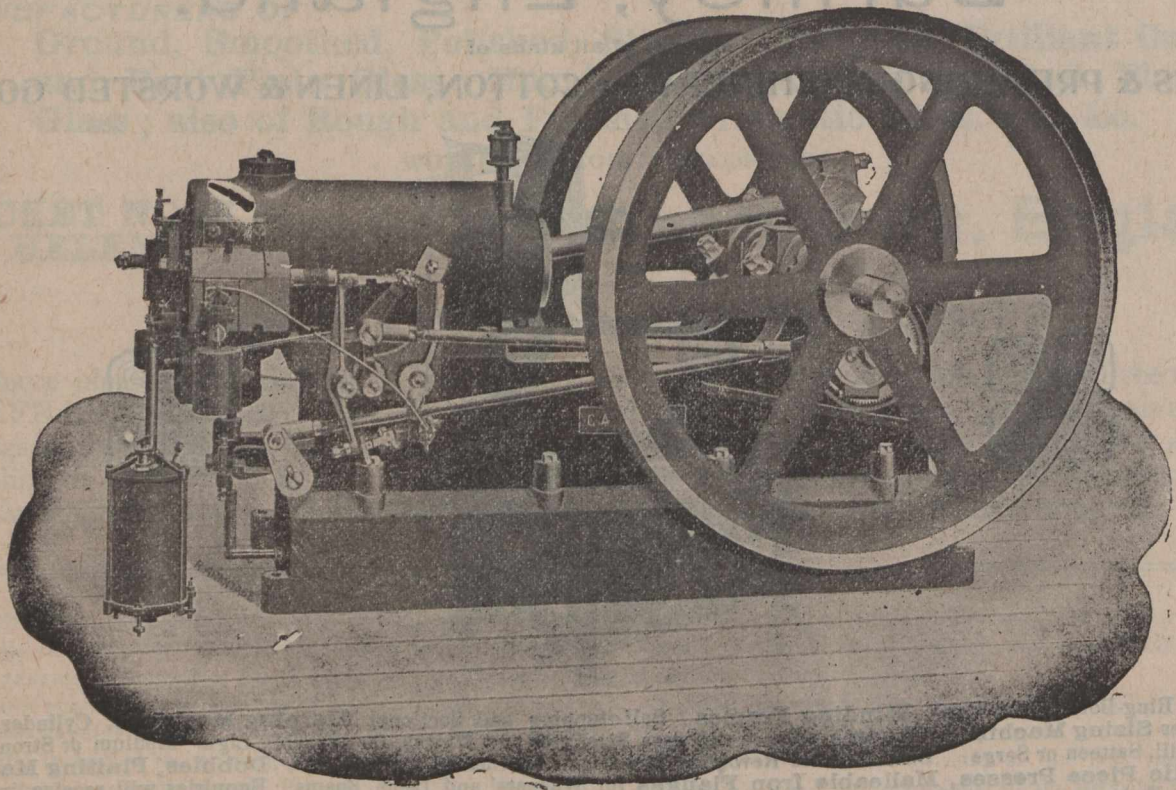


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Company's books, viz.:

On freeholds and leaseholds .....	31500	0	0
On furniture, plate, linen, fittings, &c. ....	23494	0	0
Other losses and expenses since the 29th day of September, 1898, viz.:			
Abortive purchase of Tivoli Restaurant .....	786	6	1
Bad debts written off to 29th September, 1900..	1502	19	3
Petty cash deficiencies .....	315	13	4
Cigar deficiencies .....	12	14	3
Doubtful debts, less £500—as per Statement of Affairs .....	2662	6	6
Total amount accounted for .....	£284854	17	5

Dated this 21st day of June, 1902.

H. BROUGHAM,  
Official Receiver.

33, Carey street,  
Lincoln's Inn,  
London W.C.

**UNITED STATES FINANCES.**

The Banking House of Henry Clews & Co., New York, reports under date July 19, 1902: Developments during the week have been of a favorable nature, particularly regarding the strike and crop situations, which have been the chief uncertainties for some time past. Apprehensions concerning the labor outlook have been fortunately relieved by the collapse of the freight handlers' strike at Chicago, and by the wise decision of the coal miners not to order a general strike. In consequence of these develop-

ments the market showed a more hopeful tone and signs of increasing activity.

More now depends upon the harvests than upon any other single element. The outlook in this respect continues encouraging. Corn, the pivotal crop this year, promises well; and, if conditions continue favorable, we may have a bumper crop, the acreage being the largest on record and condition above the average. Even if some damage should follow later on we shall still probably have an average crop, and the season is now so far advanced that a repetition of last year's damage is practically impossible. It was about this time in July, 1901, that the drouth did its worst and the first correct estimates of damage were made public. The crop situation now is, therefore, in strikingly favorable contrast compared with 1901, except as to wheat, which proved a bumper crop. This year, however, we are promised wheat in plenty and to spare for export. Oats are in satisfactory condition, and the cotton crop promises a large yield, even if early estimates have to be modified. So far, then, the indications are that we shall have abundant harvests and a good foreign demand for our surplus. This is of vast importance to the that we shall have abundant harvests and a good foreign demand for our surplus. This is of vast importance to the business community, for it assures at least one more season of national prosperity, which there were not a few reasons to believe had, for the present at least, reached the zenith. Another crop failure would certainly have precipitated a reaction, not merely in the stock market, where it would be most distasteful, but in general business and industry, where expansion has been going along at a marvellous rate beyond all expectations. Every week now serves to reduce the possibilities of such disaster and warrants a corresponding growth of confidence.



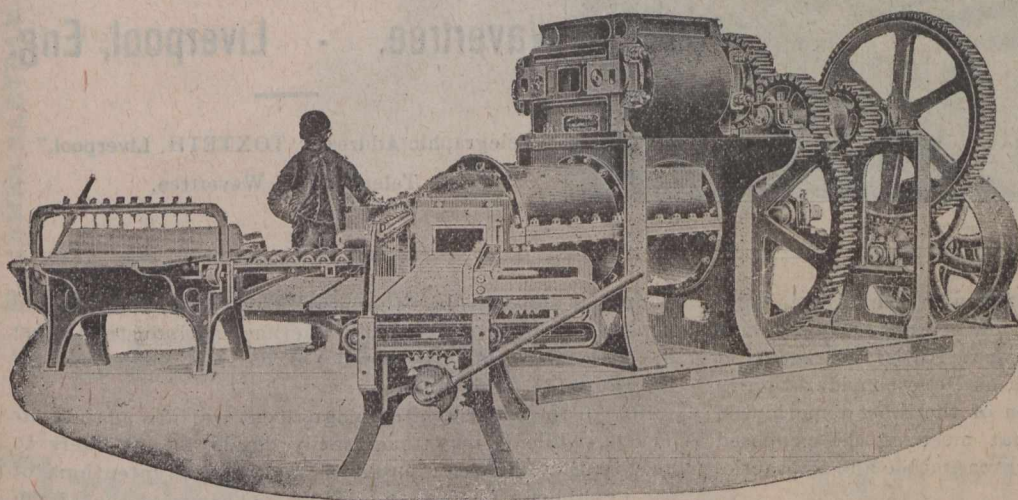
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Manufactured by

# C. WHITTAKER & CO., LTD.

HORIZONTAL PLASTIC BRICKMAKING MACHINE.

Double Delivery Machine.



Main Points :

Strength.

Durability.

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Canadians Under  
the New Tariff*

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Iron Works,

ACCRINGTON Lancashire, England.

Telegraphic Address, "Bricks," Accrington. A.B.C., 4th Edition, A.I., Engineering.

The last monthly foreign trade returns present some striking facts. The merchandise exports for June were only \$89,250,000, the smallest total since August, 1898. During the twelve months of the fiscal year there was a decrease of \$105,000,000 in exports, including \$62,000,000 in corn, \$21,000,000 in cotton and \$7,000,000 in oats, while wheat increased \$20,000,000. This is the unsatisfactory side of our foreign trade, and illustrates very plainly the effect of the corn damage upon our foreign trade balances. While our exports have been checked by poor harvests our imports have been wonderfully stimulated by home prosperity, which not only encouraged the importation of luxuries but also forced the importation of larger quantities of raw and half-manufactured materials, notably steel billets and plates, for which American mills could not fill the demand. For the same reason our exports of steel manufactures have declined, especially in view of the depression in the European iron trade. In contrast, English steel companies have been reducing their dividends, seventeen leading companies reporting a shrinkage of 65 per cent. in profits last year compared with the previous year. Our trade balance for the last twelve months—excess of exports over imports—was only \$479,000,000, against \$644,000,000 the year previous, proving contrary to popular opinion, that national prosperity is not incompatible with a declining trade balance. This year, however, we are likely to see the current turn again in the other direction, as a larger corn crop will prevent the deficiencies shown last year and bring our exports back to their former level. This is of great importance in the foreign exchange market, and will do much towards averting any monetary stringency in this market during the fall and winter months. In all probability we will experience firmer rates for money before long. Crop and business demands will soon set in, and bank reserves are low both here and at the West. Fortunately, Europe is able and willing to loan freely in this market, the amount of foreign money employed here in

loans being unusually large; and our bankers are depending upon the good harvests to pay back these loans—another instance of the special bearing this year of the crop situation.

During the latter half of the week the market displayed decidedly more activity and strength, chiefly among the better class of low-priced railroad issues, which have been comparatively neglected, and afford better speculative opportunity for the reason that they involve less risk than many of the high class stocks that are selling at "sky-craper" prices. For the first time in many weeks the public showed a disposition to enter the market, induced by the favorable developments referred to above. London was also a purchaser of Americans on an increasing scale, and the promise is for a steadily widening market should no untoward circumstances interfere. In event of any sharp advances, however, we advise the taking of profits as the monetary situation is not yet favorable to any prolonged bull campaign. Still, the outlook is favorable to a more active and good trading market, which will continue sharply sensitive to crop news as the controlling factor. We may also expect to witness a steady revival of confidence in Great Britain as a result of the closing of the Boer war and the big increase of gold production in South Africa, which will soon reach an output of \$100,000,000 per annum. This will be an important stimulant.

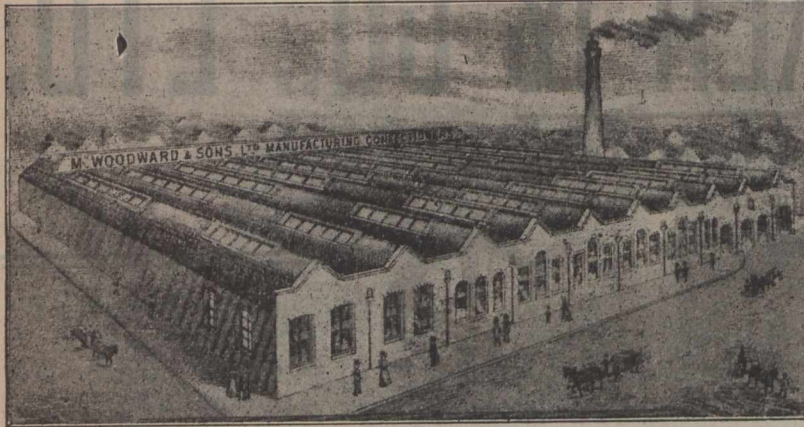
## WARFARE ON TRUSTS.

[PHILADELPHIA RECORD.]

According to semi-official hints the Administration warfare on the Trusts will be made on the lines of the Littlefield bill, with such amendments as President Roosevelt and Attorney-General Knox may suggest. This bill of Re-



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representative Littlefield met no favor in the House Judiciary Committee in the late session of Congress, and such drastic amendments to the Sherman Anti-Trust act as it proposes are likely to meet with as little consideration in the next session. The objection of the most experienced jurists on the committee is that most of the proposed changes that are not futile are unreasonable and impracticable.

The change to which President Roosevelt attaches the most importance is the compulsory publicity of the affairs of industrial Trusts and corporations. A section of this bill provides that all Trusts and companies doing interstate business shall be compelled to give for publication the details of their affairs, including dividends, earnings, and operating expenses. Such exposure of the affairs of corporations may prove useful to investors, especially in regard to wormy concerns, which prudent men avoid; but sound industrial companies will decidedly object to compulsory publicity of their inmost secrets for the benefit of business rivals. The American people generally have far less interests in knowing the secret affairs of the Trusts than they have in the prices of commodities which these combinations control. How many are there, for example, outside of owners and investors, who care to retain in memory the vast financial details of the United States Steel Corporation, which are so frankly spread before the public? Or how many besides business rivals care to learn the secrets of the Sugar Trust? On the other hand, how few are there among the millions of the American people who have not more or less interest in the prices of steel and iron products, sugar and other commodities under control of industrial combinations?

This being a penal bill, it proposes to amend the Anti-Trust act by making its violators guilty of a "crime" instead of a "misdemeanor," and to subject them to imprisonment as well as fine on conviction. The bill also provides that any railroad corporation carrying the goods of an illegal Trust shall be severely punished—when caught in the act. As no official of a Trust has ever been convicted of a "misdemeanor," and imprisoned under the Sherman Anti-Trust act, a conviction of a "crime" would be much less likely under this amended bill. To make it a crime to carry the steel rails or sugar of a Trust declared illegal would be a judicial monstrosity.

There is, however, one feature of this Anti-Trust bill of which the practicability cannot be disputed. This is the proposition that Congress impose a tax on industrial corporations engaged in interstate business. The bill itself only goes so far as to provide a tax of one per cent. on the outstanding capital of such corporations. But this, it is intimated, would only be a beginning in the Federal taxation of Trusts. The power to tax, as the Supreme

Court has said, involves the power to destroy, and it would depend on the rate of the tax whether any industrial Trust in interstate commerce could survive the phlebotomy of the Sangrado from Maine.

But all the contemplated magnificent warfare against the Trusts, while it may temporarily dazzle, is not likely to deceive the American public as to the real intentions of the Republican politicians. Such provisions of the Littlefield bill as are not monstrous and absurd would be useless for any purpose of reform. Taxation of Trusts by Congress in order to suppress their evils would, as the Germans say, be sweeping out the child with the bath. But all the threatening against the industrial Trusts is designed merely as a mode of escape from the only rational and practical Federal legislation on the subject. A substantial revision of the tariff, while it would wrong no man or corporation, would bring relief to the American millions by reduction or repeal of exorbitant tariff taxes that are useless for revenue and serve only as instruments of monopolistic greed and rapacity. But to lay hands on the tariff giant of iniquity is the last thing the Republican leaders dare undertake.

## CANADA'S FOREIGN TRADE.

—An estimate considerably below the mark was made in the probable volume of Canada's foreign trade for the year ending June 30. It was calculated that the total would be a little over \$400,000,000, but the actual sum, according to official figures, is \$414,517,358. The imports, says an Ottawa dispatch, which help to make up this total are those entered for consumption. If all the imports were incorporated the showing would be still better. It is needless to say the past year's volume of trade is altogether phenomenal. It exceeds the previous year, when the aggregate trade was \$377,689,705, by \$36,827,673. While the extraordinary result affords good ground for elation, it is well to bear in mind that certain special circumstances which may not be present in other years have partially contributed towards this expansion. The Canadian west was blessed with a grand crop last year, and wheat helped in no small degree to swell the volume of exports. The same good fortune is anticipated this year, and if realized will again help to swell our trade returns. It should also be remembered that during the past two or three years we have been exporting large quantities of forage and canned goods to South Africa. With the advent of peace the demand for these goods largely ceases, but doubtless this will be more than counterbalanced by the profits resulting from closer trade relations, which are certain before



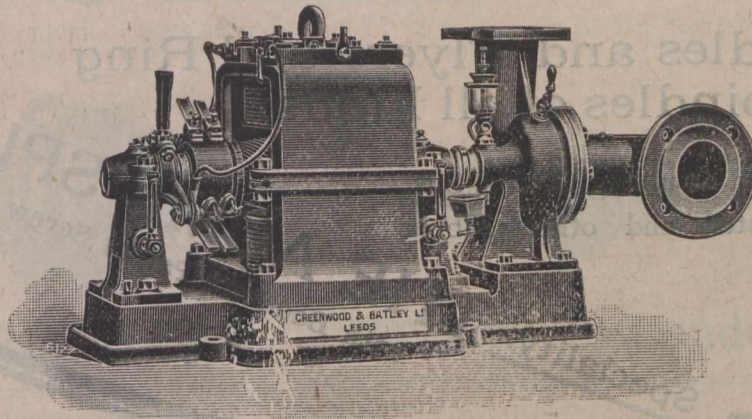
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long to be established between South Africa and Canada. Making allowance for all such cases, however, the growth of our commerce has been steady and marked. Turning to the figures for the past year, it appears that the imports for consumption, including coin and bullion, amounted to \$202,791,595, compared with \$181,225,380 in 1901. The value of dutiable goods was \$118,657,496, as against \$105,938,535 in the previous year. The value of the free goods imported was \$77,822,694, as compared with \$71,729,540 in 1901. The total exports were \$211,725,563; in 1901 they were \$196,487,632. Our exports of domestic produce alone amounted to \$196,105,240, an increase of \$19,366,048 over 1901. The following are the exports of domestic products for the two years:—

1901.	
The Mine .....	\$39,982,573
The fisheries .....	10,720,352
The forest .....	30,003,857
Animals and their produce .....	55,489,527
Agriculture .....	24,977,662
Manufactures .....	16,012,502
Miscellaneous .....	44,642
<b>Total merchandise .....</b>	<b>\$177,241,115</b>
1902.	
The mine .....	\$34,947,574
The fisheries .....	1,4059,070
The forest .....	32,119,429
Animals and their produce .....	59,245,433
Agriculture .....	37,238,165
Manufactures .....	18,462,970
Miscellaneous .....	32,599
<b>Total merchandise .....</b>	<b>\$196,105,240</b>

A NEW LIGHT.

The French scientist, Henri Becquerel, who evolved the rays bearing his name from the X-rays, has now hit upon the absolute property of matter which underlies all the curious workings of these Roentgen, Becquerel and other penetrating rays. "Radio-activity" is the title given to this newly discovered property, the true seat of this long secret activity having been (as it is claimed) located definitely in radium. "This new property of matter, radio-activity, takes its place beside magnetism, electricity, light and heat," declares Professor Duncan, who occupies the chair of chemistry at Washington and Jefferson College. Properly classified, the Becquerel rays from radium are nothing more nor less than a mixture of cathode and X-rays, their progenitors in the history of the discovery. The properties of the deviable Becquerel rays are identical with those of the cathode rays in a Crookes tube, and the properties of the undeivable Becquerel rays are identical with those of the X-rays of Roentgen. But in the case of the cathode and X-rays, the ability of the rays to penetrate opaque objects and cast radiographs is simply a property of condition. In the case of radium, its rays are a natural intrinsic property. The light of an arc lamp is a property of condition; but suppose you found, deep in the earth, a substance blazing forever with a light as great, that would be a natural intrinsic property—and a very curious one—radio-activity. So with the cathode and X-rays. They arise from a Crookes tube, a mechanism which is the complicated result of centuries of thought; they are a property of condition. The Becquerel rays from radium, on the contrary, arise from a substance dug out of the ground which emits them, apparently, forever and forever, as it has emitted them through the countless centuries of the past, without any extrinsic influence. It is their natural intrinsic property—a new property of matter—radio-activity. These rays are a property of the atom of the substance radium, and are therefore indestructible. The



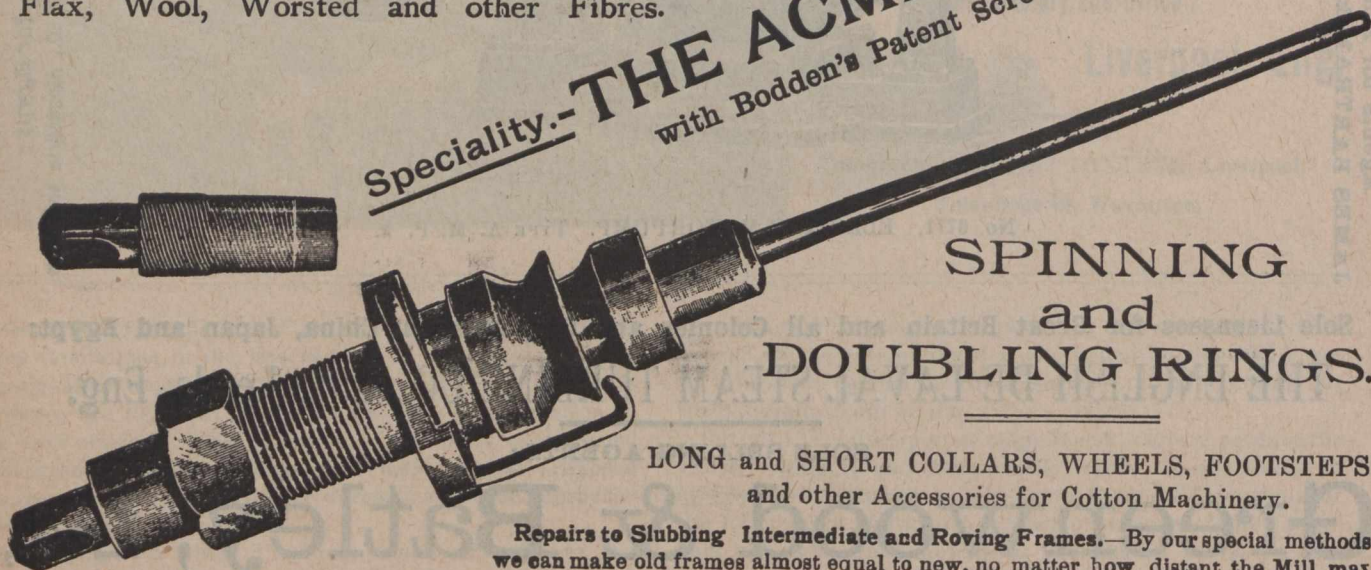
# WILLIAM BODDEN & SON, Limited.

## 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.

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physiological effect of these rays is said to be almost incredibly intense. Emitted by radium spontaneously they render the air a conductor of electricity. Any substance placed near radium becomes itself a false radium, acquiring a radio-activity which persists for many hours, and even days, after the removal of the true radium.

#### BAY OF QUINTE NOTES.

Although the weather has been anything but pleasant, the markets in this vicinity have been well attended and a larger variety of produce offered. Strawberries are about finished for this season, and raspberries, currants and gooseberries have put in an appearance and command good prices. New cabbage can now be had and there is a good demand. The prices of eggs and butter are high for this time of the year, but vendors have no difficulty in selling all they bring to market at the figures asked, viz.: 15c a dozen for eggs, and 22c a pound for butter.—There has been a great growth of grass this summer, and if the weather should prove favorable for curing, the hay crop will be immense.—The Deseronto Municipal Council, last Thursday, fixed the tax rate at 28 mills in the dollar, one mill less than last year.

A well attended meeting of the promoters of the Melrose Oil Syndicate was held in the Town Hall at Melrose on Tuesday evening. Samuel Stokes, of Sarnia, was present as a representative of James Peat & Son, of Petrolia, who have taken the contract for finishing the drilling. He expressed the opinion that the formation the well is now in must be the Pennsylvania oil-bearing sand rock. It does not correspond with the formation found under the shale in north-western Ontario, Ohio, or at Ottawa. From his experience he would say it is neither Trenton rock nor

Potsdam; it certainly is not granite. After Mr. Stokes left the meeting, a subscription list was opened and the amount required for carrying on operations was subscribed in less than one hour. The people in the vicinity have placed confidence in Mr. Rosenzi's assertion in the oil being there, as is shown by the rapid subscriptions for stock. It is expected that drilling will commence in a few days as soon as the signed contracts are returned from Petrolia. Considerable interest has been taken in Deseronto, and an amount of stock has been purchased by residents of the town. The subscribers believe that should oil be struck it will benefit not only Melrose, but also the country surrounding.

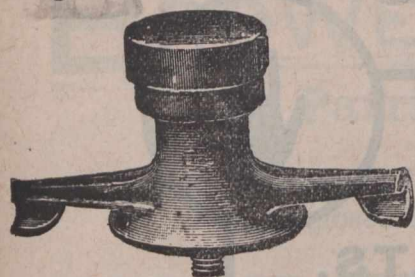
#### DAIRY PRODUCE.

—A private London circular, date 11th instant, treating of the dairy produce situation, says:—Butter.—The past week has been on the whole good growing weather, and there is a complete absence of the burnt-up pastures which ordinarily are seen in July. The demand for Canadian butter shows little change, although there is a tendency among buyers to purchase for cold storage purposes, but the high price prevailing is restricting the number of large transactions. Prices for choicest on the spot are 96s to 98s, with 100s for saltless. Finest quality is in very small compass. For eleven weeks in succession the Copenhagen Official Quotation remains unchanged at 90 kroner. Last year at this period it stood for thirteen weeks at 88 kroner, and on 25th July it hove up to 90 kroner. The imports of butter from all sources last week were 95,590 cwts., which establishes a "record." Last year for the first week in July it was 86,242 cwts. Of the 95,590 cwts.



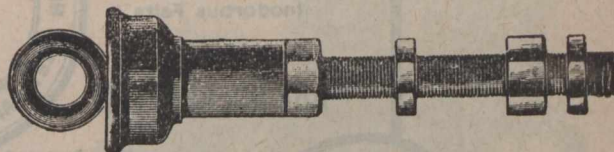
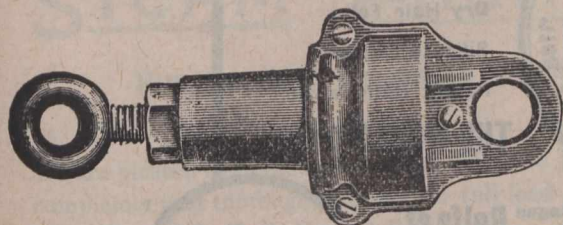
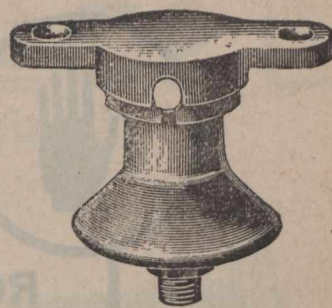
Telegrams: "ISOLABLE," London.

## OVERHEAD



Line

AMBROIN Material



**ESTLER BROTHERS,** 25 Laurence Pountney Lane, London, E.C., Eng.  
Cannon Street,

39,098 came from Denmark, 16,305 from Russia, 12,420 from Canada, 11,279 from Holland and 7,709 from France.

Cheese.—The demand for Canadian cheese continues active, owing to the good consumption going on all over the country. High prices of fresh meat and bacon are stimulating this demand for cheese. Values have gone down a shilling per cwt. on the week, but, if prices from Canada were quoted lower, there would be an increased speculative demand as well. The total imports of cheese for the first six months of each of the last three years is as follows: 991,000 cwts. in 1900, 900,000 cwts. in 1901, and 818,000 this year. Canadian cheese is quoted at 48s to 49s for choicest. Corresponding week, 1901, same was quoted at 47s to 48s.

## THE WESTERN LABOR SITUATION.

With the time again near at hand when some 20,000 extra harvesters will be wanted in Manitoba and the Northwest, the question of securing this number of skilled and capable men is brought up. Although there are many home from the war, the number of men available and ready to "go west" is not considered as large. It must be remembered that very many of those who went on this mission a year ago, remained and took up land, or have since went north to New Ontario, where equal advantages are offering. A Winnipeg report of recent date says: The labor situation here is improving. There appears to be some likelihood now that the Canadian Northern Railway Company will settle with its striking employees on terms satisfactory to the men. Already it has recognized the justice of the claim for union recognition. Labor is exceptionally well employed in all parts of the west and there is a good demand for men in several lines, notably masons. The most important feature of the labor market is the coming demand for harvest help. The local government estimates that 20,000 men will be wanted for harvesting and threshing in addition to those now in the country and already plans are being made for securing and distributing this number. It is believed that difficulty will be found in securing the requisite number as labor is well employed in the east. From \$26 to \$40 per month will be paid for harvest hands including board and washing. Winnipeg will be made a central distributing pointing. Winnipeg will be made a central distributing pointing. It is suggested that help be brought from the States and this may have to be done.

## PANAMA HATS.

The demand for Panama hats, which began with such briskness in the early summer, has not been maintained, but the sale of raincoats which hatters stocked up with

this year, has more than helped them out, and to an extent that the total output is somewhat over that of last year. Panamas sell here from \$15 upwards. The Philadelphia Record has the following: "The rage for Panama hats is on the wane," remarked a well-known business man the other day, "and in no way is this evidenced more clearly than in the pawn shops. I had occasion to go down South street the other day and I found every pawn broker along several squares sporting a Panama hat, while inside the shops the hats were displayed in quantities. All were pledged one at a time. While last year a pawn broker was willing to advance a fair sum on a really good hat, the hats are now a drug on the market. I know of a young man of somewhat sportive tendency who last week found himself without the price of a railroad ticket to his father's country home. He took a fine Panama hat, worth at least \$45, to a pawn shop and was offered 50 cents on it. The young man went the rounds of the shops and finally succeeded in raising a single dollar, although a few months ago the hat would easily have brought \$10."

Reader, Ottawa.—The error was caused in transcribing for the compositors. For "9th" read 12th.

## 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.

Ayr—J. McKuer vs David Clark, 1,007; Ottawa—Carling B. & M. Co. vs Henry Smith, \$540; Toronto—A. R. Bremer Co. vs A. R. Bremer Co., Ltd., \$768; Cornwall—Cathe. Faristol vs W. M. McArthur, \$1,056; Douglas J. Smith vs Thos. and Ellen Enright, \$1,526; Essa—W. Bennie vs James Moir, \$803; Hamilton—G. W. Johnson vs John and Sarah T. Browne, \$2,695; Osgoode Tp.—Annie Plunkett vs Thos. Plunkett, \$619; La Banque Nationale vs Jas. Sinclair et al., \$460; Oxford Tp.—W. H. Anderson vs Martha Christie et al., \$3,467; Toronto—J. R. E. Winter vs W. H. McDonald, \$872; Farmers' L. & S. Co. vs Thomas McQuillan, \$3,261; S. M. Brum vs W. E. Pickering et al., \$1,222; Gloucester Tp.—Wilhelmine Dowler vs Gabriel Dowler, \$1,633; Lon-



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Foundation Felts.  
Inodorous Felts.  
Slaters' Felts.

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**FELTS,**

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**D. ANDERSON & SON, Ltd.,** Lagan Works, Belfast, IRELAND.  
Hand-books with your Specialities, Name and Address, free.

**LOYALTY TO THE TRADE IS OUR MOTTO.**

don—C. M. Qua vs Canadian Order of Woodmen, \$2,000, disputed; Ottawa—Ellen M. Grant vs J. and Myra Evans, \$5,000 damages; Rawdon—C. A. Bailey vs D. Nerrie and Chas. Heath, exrs. \$1,200; Toronto—M. M. Curry vs P. A. and A. W. Green, \$468; Aylmer, Que.—Mercnants Bank vs R. & W. Conroy, \$471.

**WRITS ISSUED—BRITISH COLUMBIA.**

Atlin—Atlin Brewing Co., \$3,164; Kamloops—J. T. Edwards, \$400; Sandon—Miss A. J. McKinnon, \$358; Victoria—Hugh Logan, \$650; Sandon—Jalland Bros., \$367; Vancouver—W. T. Farrell, \$1,583; Théophile Viau, \$39,580.

**WRITS ISSUED—NEW BRUNSWICK.**

Chatham—John Bertram & Sons vs Maritime Sulphite Fibre Co., Ltd., et al, \$28,200.

**WRITS ISSUED—MANITOBA & N.W.T.**

Elie—F. Patenaude, \$624; Selkirk—G. E. Dalman, \$345.

**JUDGMENTS RENDERED—ONTARIO.**

Hamilton—C. D. Mills agt R. A. E. Kennedy, \$4,909; Grimsby Tp.—J. H. McLean agt Robt. Terryberry et al, \$475; Hamilton—Bank of Hamilton agt J. T. Hall et al, \$710; Ottawa—Canadian General Electric Co. agt R. & W. Conroy, \$4,119; J. Hirsch & Son agt Davidson & Davidson, \$782; Toronto—Millar, Riddell & Le Visconte agt S. C. Kanady & Co., \$339; Farmers' Loan & S. Co. agt Wm. Schubart, \$11,997; Belleville—Renfrew Farmers' Hedge and wire Fence Co. agt Bay of Quinte Hedge Co., \$482; Brantford—J. N. Ceel agt W. J. and Sarah Barton, \$1,037; Cedar Springs—Robinson, Little & Co., agt F. W. Linley, \$488; Glencoe—J. D. Dewar agt Arch. McKellar, \$331; Milverton—R. Ranney & Co. agt John Goodale et al, \$1,185; Ottawa—A. Johnston exr agt L. W. Howard, \$411; P. Somers agt Longford Lumber Co., \$7,799; Sault Ste. Marie—Dominion Radiator Co. agt Seymour & Campbell, \$418.

**JUDGMENTS RENDERED—QUEBEC.**

Arthabaskaville—Banque Nationale agt A. Gagnon & Co. \$517; Montreal—G. S. Brush agt Louis Pepin, \$195; St. Romauld—La Fond du Plessisville agt Jas. Levesque, \$645; Montreal—P. Galibert agt Emile Desy et al, \$272; J. A. Trudeau agt J. A. Renaud, \$408; G. A. Taylor agt John

Thompson, \$300; S. T. Duclos et al, agt Emile Desy et al, \$308; G. F. O'Halloran agt L. D. Dragon, \$598; N. Faulkner, agt J. N. Faulkner, \$1,226.

**JUDGMENTS RENDERED—BRITISH COLUMBIA.**

Rossland—Rossland Real Estate Invest. Co., Ltd., \$918.

**JUDGMENTS RENDERED—NOVA SCOTIA.**

Halifax—C. E. Rogers, \$4,454; Sydney—Canadian Oil & Coal Co., \$1,582 and \$888.

**JUDGMENTS RENDERED—MANITOBA & N.W.T.**

Edmonton—E. Looby \$1,600.

**EXECUTIONS—QUEBEC.**

Montreal—V. F. Jasmin agt J. B. Lanouette, \$180; Quebec—A. Anderson agt J. Fine, \$337; Montreal—R. J. Lemers agt Remi Gohier, \$263; Quebec Bank agt Amos Cowan, \$559; O. Chevalier agt Philibert Dalpe et al, \$1,464; St. Louis—J. N. Dupuis agt De. M. M. McTavish, \$766.

**CHATTEL MORTGAGES — ONTARIO**

Ayr—David Clark to Imperial Bank, \$600; Bancroft—Wm. and Ellen Kennedy to Toronto Brew. & Mtg. Co., \$4,994; Burford Tp.—Marshall Ryckman to Sawyer & Massey Co., \$1,255; Elora—Mrs. E. J. Alexander to G. Kyle, \$1,500; Caldwell Tp.—Rev. E. A. M. Paradis to R. H. Klocks & Co, \$4,132; Goderich—F. B. Holmes to W. J. R. Holmes, \$2,000; F. B. Holmes to W. J. R. Holmes, \$3,200; Mitchell & Todd to Harriet A. Price, \$636; Gwillimbury N. Tp.—John Murrell and wife to Guelph & Ont. Inv. and Sav. Socy., \$7,402; Hamilton—Margt. and M. A. Hunting to J. Chisholm, \$583; Lindsay—J. F. Cornell to W. L. White, \$1,074; Napanee—J. G. Fennell to T. Johnston, \$689; Norwood—John White to G. W. Hatton, \$2,555; Ryerson Tp.—W. J. Shea et al to J. H. Fairbank, \$618; Sprucedale—Wm. McCron to W. J. Leatherdale, \$627; Toronto—Isaac Armbrush and wife to R. Lane, \$562; J. H. Banes to J. R. Fleming, \$800; Mrs. Effie A. Boulter and Mrs. Georgiana R. Stewart to E. R. C. Clarkson, \$37,325; Trenton—G. A. Graham to J. Frost, \$1,400; Guelph—F. W. Galbraith and J. I. McIntosh to Elsie Davidson, \$9,993; B. P. Hawkins to W. G. Bond, \$1,000; Sydenham Tp.—Frank Thomson and Jos. Carnahan, to D. McKenzie, et al, \$1,600; Toronto—G.



# BROWETT LINDLEY & CO. LTD.

Patricroft, Manchester England.

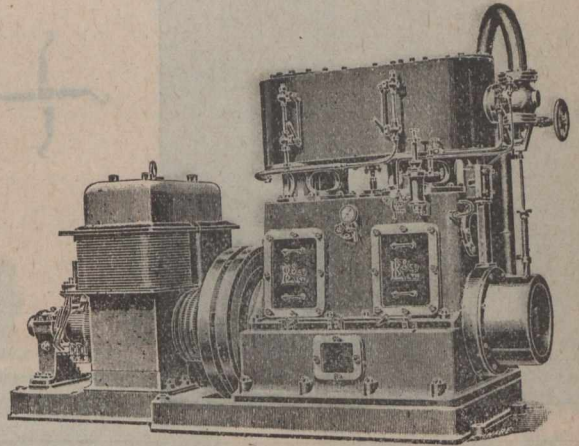
Manufacturers of High-Speed,  
Enclosed Type,

## 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.**



A. Graham to Dominion Brew. Co., \$2,462; G. A. Graham to T. B. Taylor, \$3,120; Wm. Spinks to Toronto Brew. & M. Co., \$4,783; Wingham—R. A. Douglass to W. Douglass, \$800; Cannington—E. C. Edwards to J. Edwards, \$1,300; Gore Bay—Chas. Wright to A. McEachern, \$900; Laurence—Kate B. Greer to T. H. Weldon, \$700; Mitchell—Richard Sykes to G. Sykes, \$1,060; Mount Forest—H. L. Cowan to Elliott & Co., \$1,429; Petrolia—Thos. Edie to R. Callinan et al, \$1,459; Seaforth—John Lyons to Imperial Bank, \$1,504; Stratford—Wm. Gordon to G. Randall et al, \$634; Toronto—Dr. H. E. Hurd to C. J. Parlow, \$563; F. McG. Knowles to W. G. Beach, \$2,856; James Seymour to G. J. Foy, \$1,550; James Seymour to Reinhardt & Co., \$3,765; James Seymour to Cosgrave Brew. Co., \$3,785; Vaughan Tp.—Elisha Farr et al to Guelph & Ont. Inv. and Sav. Soc., \$6,394; Weston—Est. of W. J. Lellis to G. J. Foy, \$1,289; W. J. Lellis to Cosgrave Brew. Co., \$2,426.

### CHATTEL MORTGAGES—BRITISH COLUMBIA.

Vancouver—Pacific Transfer Co., \$3,000; Lac la Hache—A. J. McKinley, \$715; Clinton—Ah Yet, \$1,349; Nelson—D. J. Robertson, \$710; Fernie—Jos. Dobson, and Henry Wingham, \$2,700; Grand Forks—R. A. Brown, \$1,085; Edwards & Richardson, \$800; Moyie—F. L. Sloat, \$4,275.

### CHATTEL MORTGAGES—MANITOBA & N.W.T.

Minnedosa—W. H. Sparling, \$6,012; Prince Albert—Shannon & Melton, \$920.

### BILLS OF SALE—ONTARIO.

Crosby N. Tp.—Robt. Atcheson et al to International Buckle Co., \$3,750; Mattawa—D. A. Dunlop to W. L. Hogarth, \$2,406; Kleinburg—J. J. Duggan to E. A. Marsh, \$1,200; Toronto—Globe Mfg. Co. to T. C. Harding, \$1,300; Finch Tp.—D. K. Cook to T. I. Gormley, \$600.

### BILLS OF SALE—BRITISH COLUMBIA.

Grand Forks—E. D. Hall, \$1,000; Moyie—Laura A. Rickers, \$4,500.

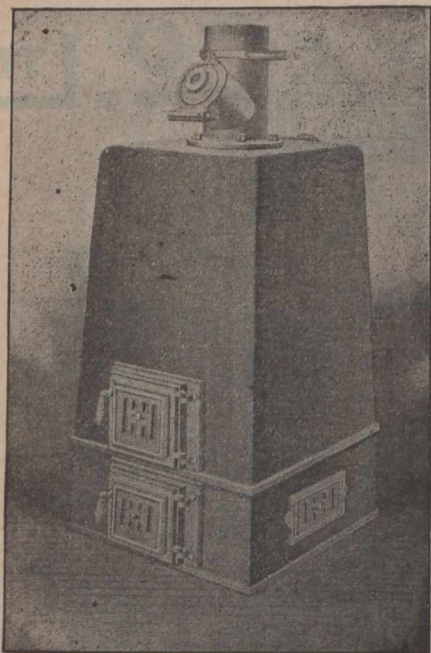
Casualty Decisions.—The agent having been told by the insured that he wanted everything insured save injuries to teamsters, and the agent having written in the policy, "on all employees in the factory," and the insurer having treated a previous accident owing to an elevator as covered, the insurer, owing to the construction of the policy by the

parties, was liable for injuries from an elevator. Fuller Bros. Toll Lumber & Box Co. vs Fidelity & Casualty Co. of New York, 68 S.W. Rep. (Mo. App.) 222.—A schedule annexed to and a part of an employers' liability policy contained blanks, to be filled in with the number of elevators in the employer's factory, type of elevators, etc., and the policy provided that it covered no loss for injuries from elevators unless enumerated in the policy. The insurer's general agent, who knew of the elevators in the employer's factory, made out the application, but failed to enumerate them. Held, that the provision exempting the insurer from liability for injuries from elevators unless the same were specified was waived. Fuller Bros. Toll Lumber & Box Co. vs Fidelity & Casualty Co., of New York, 68 S. W. Rep. (Mo. App.) 222.—Plaintiff procured an accident policy providing that it should not cover any accident resulting from voluntary exposure to unnecessary danger, or resulting directly or indirectly from attempting to enter or leave a moving conveyance using steam as a motive power, or happening while in part thereof not provided for occupation by passengers. Plaintiff, when his train approached his station stepped out on the platform which was slippery from rain, while the train was moving, and fell. Held, that under the terms of the contract a verdict was properly directed for defendant. Overbeck vs Travelers Ins. Co., 68 S.W. Rep. (Mo. App.) 236.

—Mr. Edgar Jones, a sheep raiser, of Albury, New Zealand, on a recent visit to Canada, expresses the belief that the prosperous period that New Zealand is now enjoying is due rather to the high price of foreign mutton than to the labor legislation of the last few years. The labor men have undoubtedly got advantages from their aggressive legislation, and the employers can afford to pay the increased wages because times are good, but whether high wages can be paid when the price of mutton is low remains to be seen. Women vote at the polls in nearly as large numbers as the men, but as they vote as their husbands and brothers do, the result is not changed. The Government railways are fairly well run and now produce over 3 per cent., which is the rate at which the Government borrows money. On the whole Mr. Jones thinks that the trend of legislation is to build up the towns as against the country, and he doubts very much that this can be continued.

—Prof. Robert Harcourt, of the Ontario Agricultural College, who is in charge of the sugar beet experiments throughout the province, reports beet sugar plots at St. Catharines, Brantford, Brussels, Markham, Orangeville, and Guelph. The weather, he reports, has not been particularly favorable to beets this season, but except in a few





Telegrams :--"Lumby, Halifax, Eng."

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cases where the lands have been too wet the crop is looking fine. Owing to the fact that a large acreage of beets was sown this year to supply the factories now building at Berlin, Wallaceburg, Dresden, and Wiarton, the value of the beet crop to the farmer will be accurately ascertained, but in the meantime Professor Harcourt believes that the crop will prove a most profitable one. Last year the average yield in the plots in 15 different parts of the province was over 17 tons per acre. This at \$4 per ton means \$68. The cost of production, including rent, seed, and labor, has been put at \$40 per acre, leaving a good margin of profit. Another very important industry will also arise in the feeding of cattle on the pulp left after the saccharine matter has been extracted from the beets. Twenty factories of the size of those erected this year will be required to furnish Canada with sugar, so that there seems good room for development of the enterprise.

—Life Pointers from the Press.—“The sweet remembrance of the just shall flourish when he sleeps in dust.”  
—There is no insurance against radical foolishness. If there was, every uninsured man would need a life policy as much as his family will some day need the proceeds of one for subsistence.—Whatever else you may or may not be, do not fail to be the owner of a good life insurance policy.  
—Will your wife and family have independence days after you have gone? Perhaps not, if you die without leaving them protected by insurance.—Discontent should be the lot of the married man who can insure his life, but will not.—If your wife opposes your getting insured “because she can’t bear the idea of ‘blood money,’” oppose your wife and get insured. She will use the “blood money” quick enough if misfortune gives her the chance.—You may talk as much as you will about your affection for the little woman and your youngsters at home, but there is a screw loose somewhere if you do not own any life insurance.—If you are conscious when death calls for you and are uninsured do you think you will leave your family behind feeling that you have done your duty? It will be impossible. Prevent such a contingency.—You are “living in hopes of being able to insure some day,” you say to the agent. Some day? What day? This day—or in all probability no day.

—The Department of Trade and Commerce has received from E. Sontum, agent in Norway and Sweden, a report dated Christiania, July 3rd, in which he says Canadian goods and manufactures seem to more and more find their way to these countries. Canadian radiators for hot water and steam are, he says, now the radiators most in use. A list is given of 21 public buildings where these radiators are installed. Canadian ploughs are becoming in demand. There is a small demand for Canadian whiskey, especially among tourists. In order to stimulate trade Mr. Sontum

suggests the establishment of an information office, such as has just been opened by the Swedish Government, where full information concerning exports can be obtained.

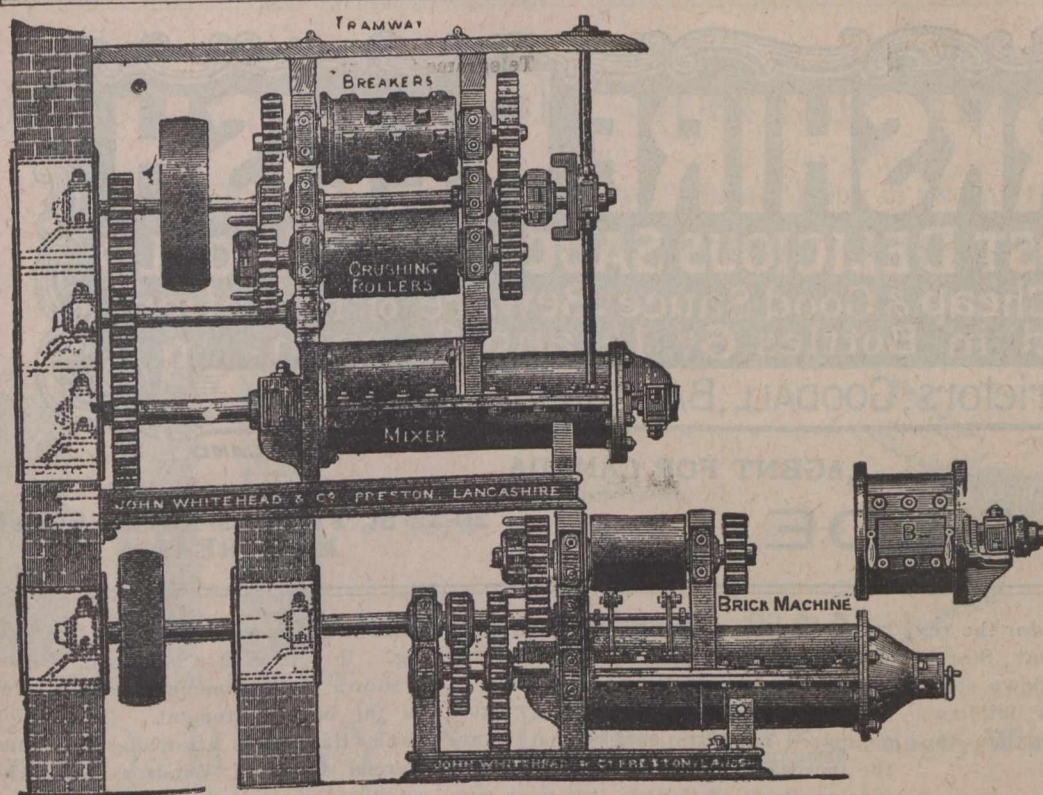
—The fruit division of the Agricultural Department, Ottawa, has received notice of the judgment in the appealed James case. The appeal was largely for the purpose of settling certain technical matters arising in connection with the enforcement of the fruit marks’ act. The judgment makes clear the following points: (1) Either end or both ends of a barrel is held to be “faced” or “shown” surface. (2) The brand or other mark does not determine the face. (3) Having in possession or offering for sale fraudulently packed fruit, even if the vendor does not know it to be such, is an offence. (4) Fruit admitted by all parties not to be for sale is not subject to the provisions of the act.

—While Trinidad’s cane sugar industry may be in an unsatisfactory condition, there is promise for the island yet, as two new sources of wealth have been discovered. In a letter to the Department of Trade and Commerce, Ottawa, Mr. Edgar Tripp commercial agent for Canada, reports that deposits of petroleum and coal in good quantity have been found. The existence of manjack, which is extensively shipped from the Barbadoes, has also been found. Trinidad’s immense beds of pitch have long been known in connection with the production of asphalt, but here are prospects of two new industries, and, as generally known, there is ample cheap labor in the West Indies.

—It is reported at Ottawa that U.S. and Canadian promoters are contemplating erecting a factory in Canada for the manufacture of spades, shovels, and garden tools, and that Ottawa is under consideration. A factory to cost eight or ten thousand dollars would be erected, and from fifty to sixty men engaged at first, and later one hundred men. It is proposed to form a company capitalized at \$100,000. The promoters would take half the stock, but would expect to sell the balance in the city where the factory is located. About three acres of land would be required for buildings, railway sidings, etc.

—The Luxfer Prism Co., Toronto, who have no objection to a friendly contest, even though “it should cost” them “a thousand dollars”—on principle, of course,—have been spending some time over a suit-at-law with Webster & Parkes of Montreal. The former claimed an injunction against the defendants, restraining them from selling glass manufactured in such a way as to infringe their patent, and for an account against them for damages by infringement. The defendant denied the validity of the said patent. Judgment was given for the plaintiffs.





Telegraphic address :—

"Briatile, Preston."

A. B. C. Code, 4th Edition.

**John Whitehead & Co.,  
Limited.**

**Albert Works,  
PRESTON, ENGLAND.**

**Brickmaking Plant**

*"The Manchester."*

Machinery and appliances for the manufacture of Bricks, Tiles and Pipes, under the new Canadian Preferential Tariff.

—We learn by mail from Sydney, N.S., that at a recent meeting of ratepayers a resolution was passed asking the Town Council to call a meeting of citizens at the earliest date possible to consider the advisability of voting a sum not less than \$250,000, as a bonus towards a steel shipbuilding industry within the Town of Sydney. General Manager Baker, of the Dominion Iron and Steel Company, reported that the product of the company is sold in advance up till January 1st, and that they are experiencing practically no competition in the market.

—The following uniform prices for sockeye salmon for the 1902 season have been agreed upon by all the canners of the Fraser River, B.C.: Up to a pack of 200,000 cases, 20 cents per fish; over 200,000 and up to 250,000 cases, 18 cents; over 250,000 and up to 300,000 cases, 16½ cents; over 300,000 and up to 350,000 cases, 15 cents; over 350,000 and up to 400,000 cases, 13½ cents; over 400,000 and up to 450,000 cases, 12½ cents; over 450,000 and up to 500,000 cases, 11½ cents, and over 500,000 and up to 600,000 cases, 10½ cents.

—A disinfectant and cleansing petroleum soap, according to a German patent, is obtained by incorporating petroleum previously thickened by the addition of vaseline oil with the soap during or at the completion of the saponifying reaction. The admixture of the vaseline oil serves to cover almost completely the petroleum odor, so that the soap only requires a slight perfuming, and the petroleum mixture, being less fluid than in its natural state, lends itself better to the preparation of a harder soap.

—While the returns of British imports and exports for June show a falling off of about \$5,000,000 each, the ex-

ports of metals and machinery have been maintained to the amount of the corresponding month of 1901. Shipments of iron and steel show an increase of \$3,700,000, but offset by a decline of upwards of \$4,100,000 in telegraphic apparatus, due probably to the falling off for the South African campaign. The interruption to business owing to the Coronation holidays will account for a portion of the shrinkage generally.

—The amount of duties collected at the port of Nelson, B.C., during the month ending June 30th, was \$16,542; value of free imports \$8,509; value of dutiable imports \$64,271. In the twelve months ending June 30th, 1901, the amount of the collections was \$171,001, while in the corresponding period ending June, 1902, the collections were \$212,554, showing an increase of \$41,553.

—The Sovereign Bank has opened a branch at Milverton Ont., with R. J. Ranney as manager. L. P. Snyder, manager at St. Catharines, is appointed inspector, and is succeeded by D. R. Crombie, who was until recently manager of the Quebec Bank at Thorold.

—The total assessed value of property in the county of Cape Breton, N.S., for the present year, is \$9,000,000, of which \$1,500,000 is on properties in the rural districts. Thirty years ago the assessed value of property in the county was \$2,500,000.

—Among those recently returned from a few weeks' trip abroad is Mr F. H. Matheson, manager of the Montreal branch of the Bank of Commerce, who appears to have greatly benefited by his well-earned temporary respite from business.

—The large monastery at Oka, Que., belonging to the Trappist monks, was completely destroyed by fire on the 24th instant, with most of the contents. The loss will be heavy. The insurance amounts to \$87,100, divided as follows: Liverpool and London and Globe, \$25,000; Royal, \$25,000; Imperial, \$15,000; Guardian, \$12,100 and Caledonia, \$10,000. —McLean's hardware stock at London, Ont., suffered \$10,000 damage on the 22nd instant. Lighting a match near a gasoline tank was the cause. Insured for twelve thousand in the Sun,

the Queen's, Alliance, Western, and London and Lancashire.

—The shoe factory, machinery, stock, book debts, real estate, etc., of the firm of Seguin, Lalime & Co., St. Hyacinthe, Que., will be sold at auction in that city on August 6th next. The finished stock is inventoried at \$20,599; stock in course of manufacture, boxes, leather, etc., \$15,095; one lot machinery valued at \$1,897; book debts, \$4,407; safe and office furniture, \$912; the general machinery, including lasts,

dies, patterns, racks, benches, shafts, etc., amounting to \$38,754, will, it is expected, be sold in bulk. The factory, a brick structure, was erected nine years ago.

—Halifax advices report that the schooner Edward Roy, arrived after a voyage of fifty days from Falkland Islands. She left Halifax September 26th, on a sealing expedition and got 2,300 seals, which will realize \$50,000. She met with no accident. The hunters will get \$400 each and the boat men \$200 each.



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The only Cheap & Good Sauce. Beware of Imitations  
Sold in Bottles 6d., 1/- and 2/- each.

Proprietors, GOODALL, BACKHOUSE & CO., LEEDS.

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20-22 St. Francois-Xavier Street,  
MONTRÉAL.

—Tenders are being asked for the rebuilding of the Brantford, Ont., Starch Works, which were burned down some two months ago. The new buildings will be considerably larger than the factory destroyed.

—An extra of the Canada Gazette announces an increase in the capital stock of the Imperial Bank of Canada by \$1,500,000.

—The Bank of Nova Scotia has open branches at Granville Ferry, N.S., and Parrsboro, N.S.

## FINANCIAL REVIEW.

Montreal, Thursday E'vg.,  
24th July, 1902.

The statement just to hand of the foreign trade of Canada for year ended

30th June last is a remarkable exhibit. The exports were \$211,725,763 as against \$196,487,632 in 1901, an increase of \$15,238,131, and imports were, \$202,791,595, compared with \$181,237,988 last year, the increase being \$21,553,607. Thus the foreign trade of Canada last year was \$414,517,358, which exceeds the previous year's trade by \$36,791,738. The increase of imports by 6 millions more than the increase of exports is a very different feature to what was seen in a number of previous years, when the increase of exports was much greater than the increase of imports. The harvest promises to be at least equal in marketable value to that of 1901; the manufacturers are busy; shipping, it is true, is not very active, but, on the whole, there is every prospect of Canada's having a larger income this year, suffi-

cient to leave a good margin for saving. How large her savings have been is shown by the comments in this issue on the bank statement. The Union Bank, Halifax, is absorbing the Commercial Bank of Windsor, N.S. The combined capital will be \$1,500,000 with a reserve fund of about 45 per cent. Other of our smaller banks would do well to seek incorporation with stronger institutions. The coal miners' strike is believed to be drawing to a close. Several collieries are at work, and the operators express great confidence in their having a full supply of coal at an early date. This is reflected in the prices of shares that were depressed by the strike, such as Reading, which is advancing. The expected has happened in gold being shipped from New York to Europe. This week there will be 2¾ millions

Cable Address: EILLS, Liverpool.

## EILLS & COMPANY,

LIVERPOOL, Eng.

Hams and Bacon Packed for all climates at the  
Lowest Possible Prices for Best Quality.

Confectioner; Crystallized Fruits, Dried Apples,  
Pears, Peaches, Apricots, Plums, Currants, Raisins,  
Figs, &c. A trial order will convince buyers of  
the Superiority of our Goods.

SPECIAL AGENTS FOR

### Danish and Irish Butter

IN TINS.

WRITE FOR OUR EXPORT PRICE LIST.

Buyers should specify EILLS & COMPANY'S Goods  
on all Indents.

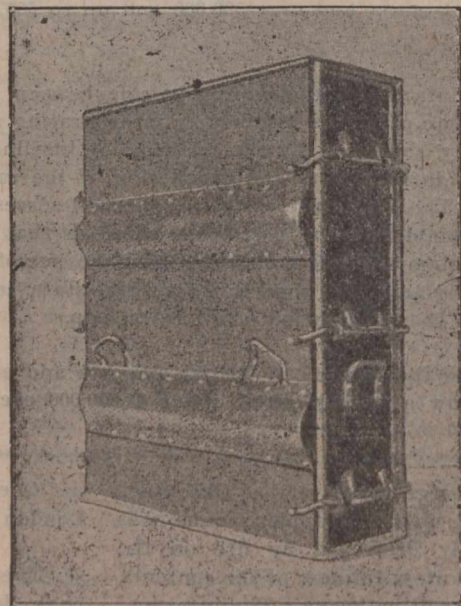
OFFICE:

12 Hanover Street, - LIVERPOOL, Eng.

Special rates to Canadians under the New  
Preferential Tariff

## SOAP FRAMES

PATENTS—No. 5107/98; 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.

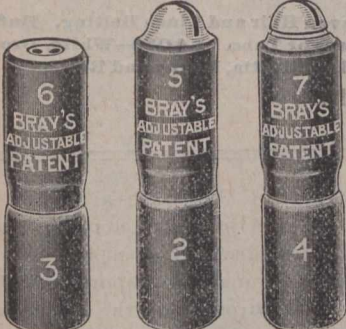
H. D. MORGAN, Patentee and Sole Maker  
Jamaica Street, LIVERPOOL, Eng.

Soap Trade Supplied under the new Tariff



# Bray's "Adjustable Special" Gas Burners

Contain all advantages of our "SPECIAL" Burner being in two parts, a top and bottom, which can be adjusted to suit any pressure of gas. See Woodcuts.



UNION-JET BATSWING SLIT-UNION

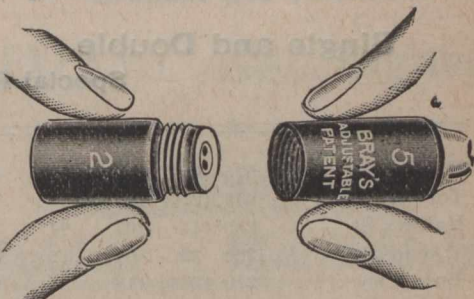
SIZES.

TOPS  
Union-Jets  
Batwing  
Slit-Unions

BOTTOMS  
Union-Jets

3 to 8

00 to 5



**GEO. BRAY & CO.** Gas Burner Manufacturers Bagby Works, LEEDS, ENG.

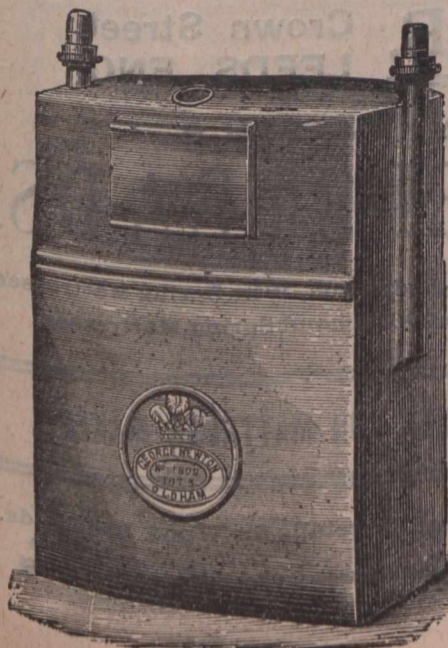
of gold shipped from New York. In London the market is easier under more promising conditions at the Rand mines, and the generally buoyant feeling as to international politics. Consols stand at 95%, but are neglected for better paying securities. An international bank is being planned, say reports which are too hazy to be relied upon. The local stock market is having a revival. Money is abundant and there are prospects of a larger supply after harvest. Persons who save are becoming more and more speculative with their earnings, so the stock business flourishes, and so do a few operators, the others get experience and excitement for their money. Sales have been active in Pacific, prices ranging from 137 to 138½, new issue, 133 to 134. Detroit Railway has been a favorite,

numerous and fairly large sales have been made at 81 to 83¾. Twin City, under reports of larger earnings, has also been lively at 121 to 122¾; Richelieu, 108½; Toronto Railway, 121; Ogilvie, pfd., 123 to 124; Dominion Steel, 58 to 58½; Dom. Cotton, 60 to 62½; Dom. Steel, pfd., 96; Ogilvie bonds, 114½; Steel bonds, 91; N. S. Steel 108¾ to 109. A few Bank of Commerce have sold at 158½; Imperial, 249¾ and 250; Dominion, 245½; Montreal, 257; Toronto, 248; Molsons, 216; Hochelaga, 136. all in small lots. Paris, exchange on London, 25f. 16½c.; Berlin, 20m. 48½pf. In London money is at 2 to 2¼ per cent., in New York, 2½ to 3 per cent., with best trade paper, 3½ to 5. Local foreign exchange, 60's, 9%, and demand, 9%. Money rates as for some weeks past.

The following is a comparative table of stocks for week ending July 24th, supplied by Chas. Meredith & Co., Stock Brokers, Montreal.

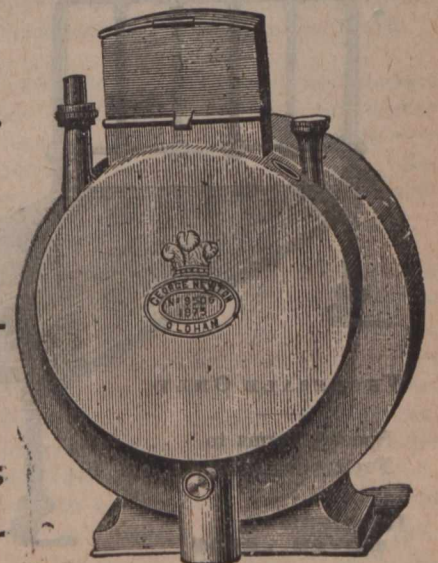
Banks.	Shares.			Average same date 1901.
	sold.	Highest.	Lowst.	
Montreal . . . . .	18	256¾	256	250
Molsons . . . . .	76	216	215	204
Toronto. . . . .	3	246	246	.....
Merchants . . . . .	10	153	152	150
East. Twships. . . . .	32	160	160	.....
Hochelaga . . . . .	2	136	136	135
Union . . . . .	3	123	123	103½
Quebec . . . . .	100	117	117	.....
Miscellaneous.				
Can. Pac. Ry. . . . .	4875	139½	135	103¼
Duluth S.S. com. . . . .	25	18	18	9
Can. Pac. new . . . . .	1741	134	131	.....
Montreal St. . . . .	25	273¼	273¼	291

# GEORGE NEWTON, LTD.



**GAS METER = MANUFACTURERS.**

**OLDHAM, ENGLAND.**



Special quotations under the new Canadian Preferential Tariff.



Established 1857.

JOHN OLDFIELD & CO.,

THE CITY TANNERY  
& LEATHER WORKS,

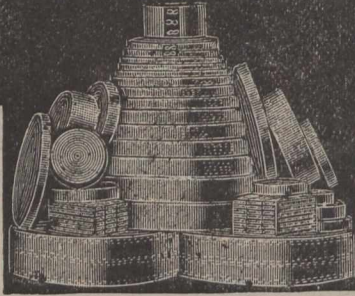
BRADFORD, - - England.

OAK-TANNED LEATHER BELTING.

Single and Double.

# LEATHER BELTING

SINGLE AND DOUBLE  
LEATHER BELTING



SPECIALITY  
EXTRA STOUT  
OAK-TANNED

LEATHER-LINK

OR

CHAIN BELTING.

For Electric and Heavy Driving

Picking Straps, Bark Tanned Green,

Buffalo Hide & Helvetia.

Solid Woven Hair and Linen Belting. Buffalo Hide, Skeps or Tubs. LAOES—White, Brown (or Oiled,) Helvetia, Herny and Rep.

Special Rates to Canadians under the New Tariff.

Mont. Power. . . . .	525	101½	100½	93½
Toronto St. . . . .	655	121¾	119½	109
Halifax St. . . . .	235	111	107	94
Toledo Ry. . . . .	1200	32	31	.....
Twin City . . . . .	2210	123¾	118	94
Do. new . . . . .	28	120	117	.....
Rich. & Ont. . . . .	2199	108½	107½	118
Com. Cable . . . . .	250	163	160½	181
Bell Tel. . . . .	48	166	166	171
Dom. Cotton . . . . .	200	62½	60	73
Can. Col. Cotton . . . . .	60	60	56	63
Merchts. Cotton. . . . .	18	86	86	.....

Republic . . . . .	500	11	11	4
Dom. Coal com. . . . .	275	137½	135¾	39¾
B.C. Pack. Assn. A . . . . .	175	102¼	102	.....
Laur. Pulp . . . . .	72	99	99	97
Ogilvie pfd. . . . .	155	124	123	.....
Detroit U.E. . . . .	3670	85¼	80	.....
Dom. I. & S., com . . . . .	2281	60	57½	29
Do. pref. . . . .	116	95½	93¾	81½
Nova Scotia Co. . . . .	878	110	108	.....
<b>Bonds.</b>				
Com. Cable, reg . . . . .	3500	97	97	.....
Montreal St. Ry. . . . .	4400	107½	107	.....
Can. Col. Cotton. . . . .	1000	101	101	99½
Ogilvie . . . . .	16000	114¾	113¾	.....
Dom. I & S. . . . .	33000	91	90½	87

however, and these are a source of much indirect profit to country retailers. Hardware is in good request, being aided through the reports of bountiful crops throughout the West. Leather shows a better movement during the past week, export demand being much improved. Oils and paints are steady. Dry goods are moving well for future but summer fabrics are displaying the lack of distribution which a warm regular season would have forced out. However, these goods do not run into money quickly. Authoritative reports from various sections of Manitoba and the Northwest corroborate the general impression already current that the crop is likely to be an exceptionally fine one. The general yield, says a late dispatch, is likely to be 25 to 35 bushels per acre of wheat, from the most conservative estimates, while

## El Padre Needles

10 Cents.

## VARSAITY,

5 Cents.

The Best

## CIGARS

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

Made and Guaranteed by

S. DAVIS & SONS,

MONTREAL, Que.

### MONTREAL CLEARING HOUSE.

Clearings. Balances.

For week ending		
July 24, 1902 . . . . .	\$19,459,292	\$3,802,132
Corresponding		
week, 1902 . . . . .	17,353,962	2,644,547
" 1900 . . . . .	14,034,439	2,121,222
" 1899 . . . . .	14,548,638	2,455,625

### MONTREAL WHOLESALE MARKETS.

Thursday, July 24th, 1902.

Midsummer conditions are apparent in business which is noticeably quieter. Dairy products keep well up in price,

## THE ROYAL BANK OF CANADA.

DIVIDEND No. 65.

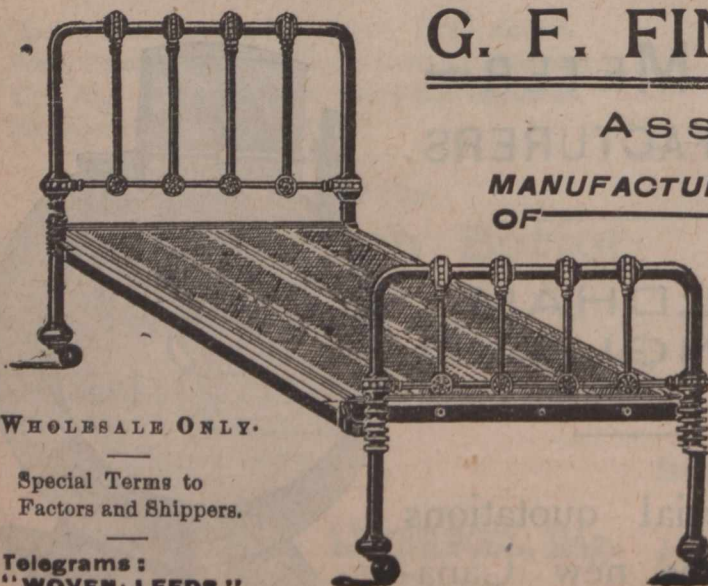
NOTICE is hereby given that a dividend of three and one-half per cent. for the current half year, being at the rate of seven per cent. per annum upon the paid up Capital Stock of the Bank, has been declared, and that the same will be payable at the Bank and its Branches, on and after FRIDAY, the 1st day of August next.

The Transfer Books will be closed from 17th to 31st July, both days inclusive.

By order of the Board,

EDSON L. PEASE,  
General Manager.

Halifax, N.S., 20th June, 1902.



G. F. FINISTER, Crown Street,  
LEEDS, ENG.

Assembly Works,

MANUFACTURER  
OF

## BEDSTEADS.

Folders, Chair-Bedsteads, Wire Spring Mattresses,  
and Coppered Diamond Spring Mattresses.

WIRE MESHES FOR MATTRESS MAKERS.

Angle Irons and Dovetails for Wood Bedsteads.

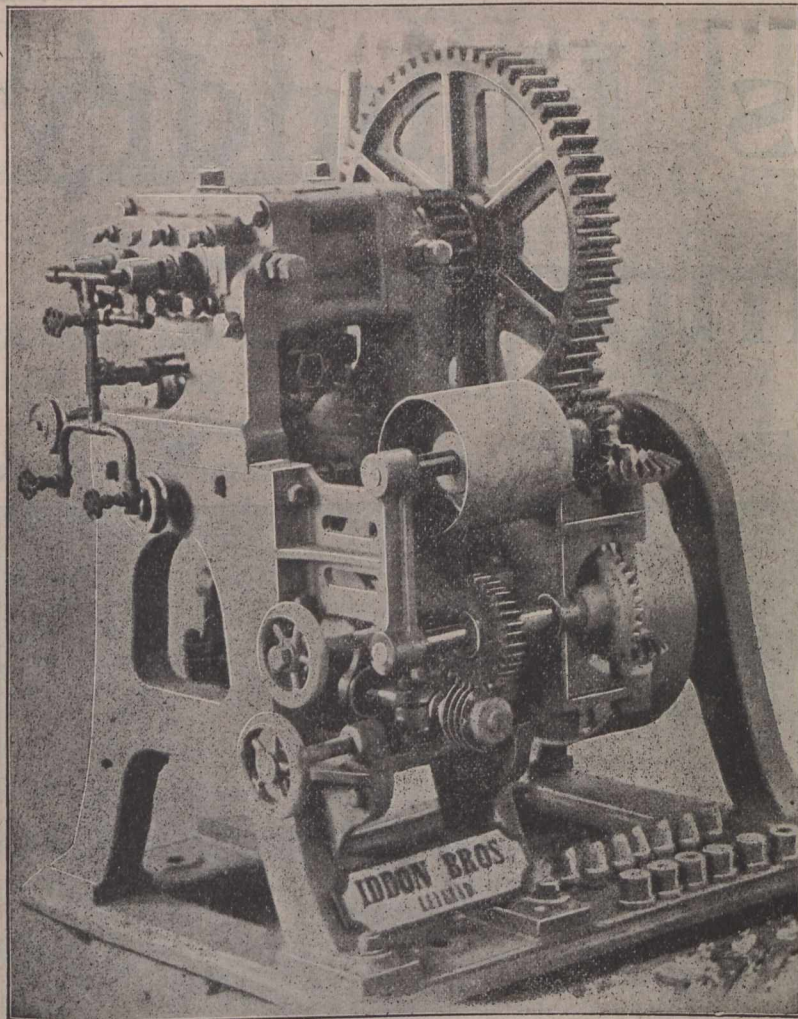
Special terms to Canadians under the New Preferential Tariff.

WHOLESALE ONLY.

Special Terms to  
Factors and Shippers.

Telegrams:  
"WOVEN, LEEDS."





# Liddon Brothers,

**INDIA RUBBER  
ENGINEERS.**

**Brockfield Iron Works,**

**LEYLAND, <sup>Near</sup> PRESTON, England.**

**Engineers and  
Rubber • Machinists,**

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

**Specialties : All kinds of Rubber Machinery.**

**SPECIAL NOTE:—Buyers of Rubber Machinery,  
have 33½ p.c. in their favor by purchasing from  
the Makers and Inventors in England under the  
new Canadian Preferential Tariff.**

barley will probably run as high as 60, and oats, 75. From the central portion of Manitoba, including the vicinity of Wawanessa, Belmont, Elgin and Minto, reports are most encouraging. The crops of all kinds are said to be in excellent condition, and the yield of all grains is expected to be very high. The same condition is found in the Brandon and Portage plains, where, as well as in the Carman district, the prediction is made that the yield will exceed that of last year should the weather of the next two weeks prove favorable. The northern part of the Province appears to reflect the bright prospects of that section south of the main line of the C.P.R. and in the Dauphin country, where the damage by rains was supposed to be greatest, the good average crop of twenty bushels to the acre is expected. West of there, in the Gilbert Plains district, the outlook is even better. The whole tenor of the reports received from correspondents of the Government and railway companies is that if the present weather continues the season will be as successful as that of last year, and probably more so.

#### BUTTER.

Prices hold steady under a good movement on both export and local account. In some instances, where a select brand was insisted on a fraction higher has been paid. Prices are:—Choicest Townships, 20½c to 20¼c; Quebec, 19¾c to 20½c; Ontario choicest, 19½c to 19¾c; under grades, 19c to 19¼c; Western dairy, 16½c to 17c.

#### CEMENTS.

While stocks of cement are light the volume of business is proportionately so and thus there is no actual shortage. A fair demand exists in a jobbing way. Canadian cement is now supplying fully three-fourths of the large Government and other orders and these keep the Canadian factories busy night and day, to the detriment, of course, of the imported article. Trade in firebricks is slow and stocks are large. Arrivals for week ending 15th were 41,550 firebricks and 3,500 brls, Belgian and German cement. Prices are steady.

#### CHEESE.

The market has ruled firmer and prices are ¼c to ¾c higher than at last report. There appears to be more confidence in the future of the market and this has been fully reflected at the country boards where holders are showing quite an indifference as to sales below their desires as to price. Quotations are: Choicest Western, 10c to 10½c; the former figures generally prevailing; Townships ½c less and Quebec 9¾c to 9½c. From first hands:—Woodstock, Ont., July 23.—There were offered to-day 1,625 boxes of white and 1,159 boxes of colored cheese, a slight increase over last week. The intermittent cool weather together with the very frequent rains, finds the pastures of this district in remarkably fine condition, and the milk supply at the factories almost equals that of the first of June. There was a good demand for cheese and the bidding was brisk. It opened at 9½c, ¾c higher than last

week and readily advanced to 9½c and 9 11-16c. The highest bid was 9¾c, and at this figure 850 boxes were sold and one lot of 135 boxes were disposed of at 9 11-16c.—Peterboro, Ont., 23.—6,001 boxes cheese were boarded, all colored, first half of July make. The bidding was with spirit until 9½c was reached, and at this figure the whole board was disposed of, with the exception of four lots, which were sold for 9 9-16c. The board adjourned for two weeks. The secretary read a circular from the Agricultural Department, Ottawa, that the Government have agreed to pay for the icing of 100 cars a week from July 15th until September 15th, for the use of the cheese trade; cars to be divided between the C.P.R. and G.T.R. and other railroads.—Russell, Ont., 23.—At the regular cheese board to-night there was 500 cheese boarded. Price bid, 9¾c. No sales on board.

#### EGGS.

Demand continues active and receipts are readily taken. Prices are higher since last report; best fresh stock now moving freely at 15c to 15¼c. Reports of sales at 15½c are also heard. No. 2 stock is held at 13c to 13½c.

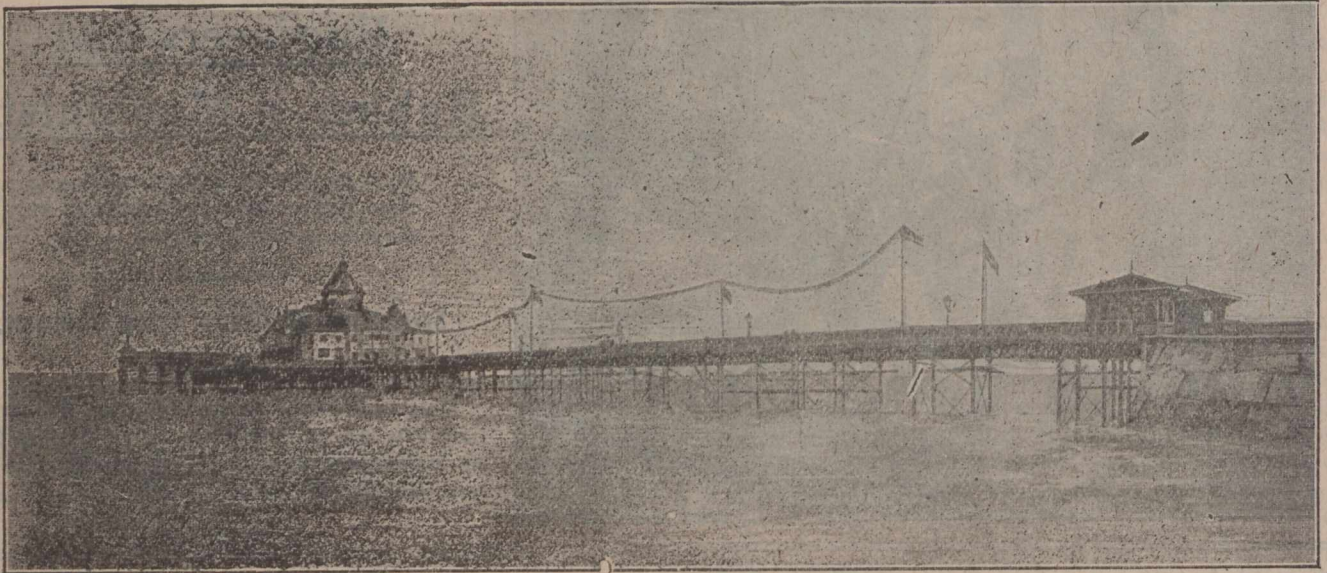
#### FISH.

As this is between seasons in the fish trade, the men who are trying to catch them with hook and line are about the only parties largely interested. Values hold pretty steady. Quotations are: Fresh eastern salmon, 15c; haddock, express stock, 4c; pike, 6½c to 7c; whitefish, 8c; trout, 8c; halibut, fresh, express stock, 12c to 14c; dory or pickerel, 8c. Salt: B.C. salmon, No. 1, \$11-50 per barrel; Labrador salmon, No.



# Widnes Foundry Company.

✻ ✻ ESTABLISHED 1841. ✻ ✻



Morecambe Pier (East View),

ERECTED, 1898, BY

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

1, \$14 per barrel; No. 2, \$11.50 to \$12; half barrels, \$6.50; Loch Fyne herrings, \$1.15 per keg; salt herrings, bbls., \$4.75; do. half barrels, \$2.60 to \$2.75; green cod, No. 1, \$6; do. No. 2, \$4.50; large, \$7.00. Smoked: Herrings, 10c per box; finnan haddies, new stock by express, 7c per lb; St. John bloaters, \$1.00 per box; kippered herrings, \$1.25 per box. Prepared: Boneless cod, in bricks, 6c lb.; boneless ash, loose, in 25 lb. boxes, 4½c; dry cods, in cwts., \$4.75 to \$5 per cwt.

#### FLOUR AND FEED.

A good demand exists and, with the exception of bran, all supplies are light. As a consequence leading millers report activity on all sides and a heavy movement. The crop situation in Manitoba and the Northwest is all that could be desired, and glowing accounts

continue to arrive and make more assuring each day what are the hopes of millions throughout the Dominion. In Ontario much hay will, it is feared, be badly injured owing to the frequent heavy rains. Baled hay is rather dull on this market but prices are unchanged. We quote: No. 1, \$8.50 to \$9; No. 2, \$7.50 to \$8; clover, \$7 to \$7.25 per ton, in car lots. Closing prices for wheat at Winnipeg, on 23rd were: No. 1, northern, 75c; No. 2 do., 73c July. There were 1,111,776 bushels of wheat in store at Fort William and Port Arthur on July 12. A year ago stocks in store at Fort William were 1,241,089 bushels, and two years ago 1,584,000 bushels. Stocks in store at Fort William, Port Arthur, Keewatin, Winnipeg, and interior points are estimated approximately at 2,903,000

bushels, compared with 2,785,000 two years ago, 5,000,000 bushels three years ago, and 1,140,000 bushels four years ago.

#### GREEN FRUITS.

Warmer weather is aiding demand and a better distribution is noted. The constant rains have affected the regular market through local outside growers consigning heaps of berries and other small fruit and vegetables to retail dealers direct thus interfering with the regular wholesale market. Lemons hold low owing to the continued wet weather interfering with the demand. We quote as follows: Messina oranges, \$3.75 to \$4 box; lemons, 360s, \$2.00 to \$2.75; do., 300s, \$2.00 to \$3.00; bananas, 8-hands, \$1.35 to \$1.50; No. 1 do., \$1.75 to \$2.00; extras, \$2.25; new figs, mats, 3¼c per lb.; do. boxes, 8c to 12c per



# DAVY BROTHERS

## Limited.

TELEGRAMS:  
"Motor, Sheffield."

SHEFFIELD, England.

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

# BOILERS

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

lb.; new dates, 4½c per lb.; nuts, cranberries, \$7 to \$10; pines, 15c to 20c; strawberries, 8c to 10c box; cucumbers, hot house, 45c dozen; do. native, 25c per doz.; Tennessee tomatoes, 90c to \$1.10 per crt.; size 24 pines, \$3.60; do. 30 pines, \$3.25; green beans, \$2.25 per basket; white do., \$2.25 per

basket; Bermuda onions, \$2.75 per crt.; limes, \$1.40 per box; Cal. cherries, \$2 to \$2.25 per box; cherries, per basket, \$1.00 to \$1.25; Cal. peaches, \$1.00 to \$1.10; Cal. plums, \$1.35 to \$1.50 per box; cabbage, \$1.25 to \$1.50; Cal. apricots, \$1.50 per box; raspberries, 7c to 10c per box; blackberries, 7c to 10c do.;

Bermuda onions, \$2.75 per crt.; new apples, per box, \$2.25; musk melons, \$3.25 per crate; watermelons, 25c each; black currants, 40c basket.

### GREEN HIDES.

No change in values. Nos. 1, 2 and 3 beef hides command 9c, 8c and 7c per lb., and calfskins, 12c and 10c lb., for Nos. 1 and 2. These are arriving more liberally of late and quality is also better. Some large sales have been put through during the week. Lambskins are steady at 30c.

### GROCERIES.

Sugars hold steady on the basis of \$3.65 for standard granulated. Barbadoes molasses is still selling on the wharf here at 23c. A cable from Barbadoes this week reports last sales on the island, at 8½c, equal to 23¼c laid down in Montreal; so it is easy to see how long dealers here will continue selling at the above figures, except for goods purchased at 7c, wine measure, equal to some 2c per gallon less, earlier in the season. Once stock here is placed in store an advance of 2c per gallon must be made.—Opening prices on new crop canned goods, to the trade, are: Tomatoes, 90c to 95c; corn, 80c to 90c; peas, 80c to \$1; string beans, 80c to 85c. Strawberries, \$1.45 to \$1.60; raspberries, \$1.40 to \$1.55; peaches, (2s) \$1.60 to \$1.75; do. 3s, \$2 to \$2.25; pears (2s), \$1.40 to \$1.55; do (3s), \$2 to \$2.25; p.ums, (2s), \$1 to \$1.25; do (3s), \$1.50 to \$1.75.—Spot tomatoes are very scarce—in fact, there is nothing to be had in this market under \$1.10. The quantity left over from last year was very small and owing to the backward growing season now there will be no new pack tomatoes on the market before Sept. 15th. A year ago they were received on 20th August. Rice is lower at \$2.92½ to \$3.02½ for (B) brand and \$2.82½ to \$2.92½ for (C) brand. Tapioca and sago are lower in price than for many years, orders being taken now at 2¾c for either, single bags, to arrive about 1st September. Brooms will be dearer. A Chicago report of recent date says: A careful summary of the reports from the broom-corn districts of Illinois, Missouri, Oklahoma, and Kansas shows that the acreage planted in broom corn is fully 30 per cent. short of the acreage in the year 1901 and 40 per cent. short of the year 1900. The shortage in the crop has resulted in an advance of \$10 to \$20 a ton in the price, and further advances are ex-

## Machines for Boxmakers

Inventors, Patentees and  
Manufacturers of



Machines for Making  
Boxes Without Glue or  
Paste — Fastened with  
Metal.

**DRY PROCESS.**

Price Lists and Samples Submitted  
with Pleasure.

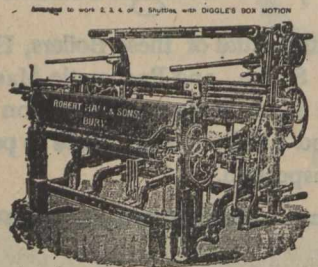
The REMUS COMPANY, Ltd.,  
30, 32 & 34 Tabernacle Street and 8 Castle Street,  
LONDON, Eng.



Telegraphic Address: "Hall, Bury."

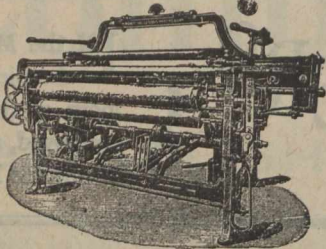
# ROBERT HALL & SONS BURY LTD

**No. 4 MEDIUM LOOM.**  
FOR FANCY FABRICS.



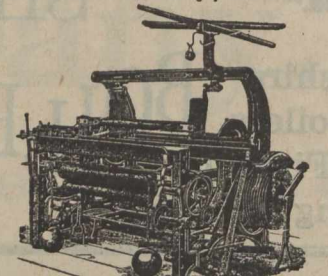
**POWER LOOMS** OF EVERY DESCRIPTION.  
FOR WEAVING PURPOSES.

**OVERPICK No. 5c LOOM**  
TO WORK 1 SHUTTLE



**ROBERT HALL & SONS,**  
BURY,  
Near MANCHESTER.

**No 1 LOOM with Positive Taking-up Motion, Double Gear**



ESTABLISHED 1844.  
COMPLETE LISTS OF MACHINERY MADE ON APPLICATION.  
LETTERS TO BE ADDRESSED TO:  
**HOPE FOUNDRY, BURY, LANCASHIRE.**  
FRIENDS AND GENERAL CORRESPONDENCE.

**BURY,**

near Manchester,  
... England

Specialties in

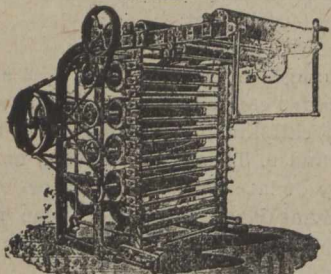
## Weaving... Machinery

OFFICE:  
3 HOPWOOD AVENUE,  
MARKET PLACE, MANCHESTER.  
Every Tuesday and Friday.

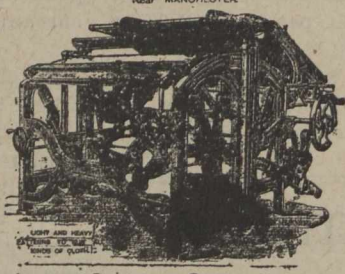
Attendance at Manchester Royal Exchange, No. 8 Pillar every Tuesday and Friday.

Complete lists of Machinery made on application.

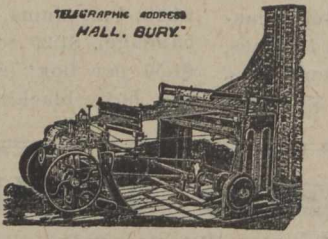
Special prices to Canadians under the new Preferential Tariff.



**RAISING MACHINE**  
FOR PLAIN AND FANCY GOODS



**IMPROVED PLAITING OR FOLDING MACHINE.**  
WITH PATENT GRIP AND RELIEVING MOTION,  
AND IMPROVED SETTING-UP MOTION FOR LONG AND SHORT PLATS.



PATENT SECTIONAL BEAMING MACHINE.

pected. The price of broom corn has advanced the price of brooms and within the next week or two a meeting of the National Broom Manufacturers' Association will be held in this city to consider how much they shall advance the price of brooms.

**HARDWARE.**

There is but little change in values from preceding weeks. Block L. & F. tin is steady at 34c. Am. sheet steel is dearer on the basis of \$3.20 for Nos. 18 and 20. Boiler plate holds unchanged at \$2.10. Black iron pipe shows a decline on the basis of \$2.25 for 1/4 in. Zinc spelter is dearer at \$5.25.

**LEATHER AND SHOES.**

Cable orders on leather have been more numerous and a better movement is noted since last report. Dongola leather is also moving more freely. In all, the market shows a better appearance than the preceding week's trade revealed. Values are steady. Shoe manufacturers report more favorable news from travellers, but the season is late at every quarter and this is observable from the tanner to the wearer of the shoes.

**OILS AND PAINTS.**

Linseed oil and turpentine are both steady at last week's decline. Cod liver oil is firm at the high price reached last week. Paints are unchanged.

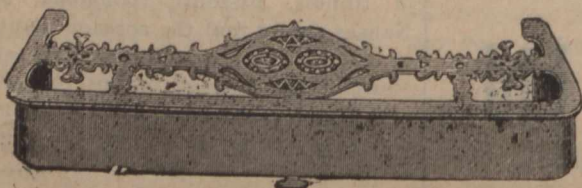
**PROVISIONS.**

While no change has taken place in values during the week there is a decided firmness apparent and outside figures are looked for in most transactions. Eggs are dear, butter is dear, beef is as dear as ever and these all tend to sustain or advance the market for pork products. The movement is good for this usually quiet season. Fresh killed abattoir dressed hogs are firm at \$9.25 to \$9.50 100 lbs. We quote: Bbls heavy Canada short cut mess pork, \$25.00; tierces heavy Canada short cut mess pork, \$37.00; half barrels do., \$12.75; Canada short cut back pork, (family), \$24.00; half-barrels do., \$12.25; heavy Canada mess pork, long cut, \$24; heavy Canada short cut clear pork, \$24; half-barrels do., \$12.25; light Canada short cut clear pork, \$24; heavy flank pork, \$24; best brand pure lard, 20 lb. pails, \$2.20; compound do., \$1.85; hams, 12 1/2c to 14 1/2c; bacon, 12 1/2c to 15c.—Chicago, July 23.—Provisions closed 5c to 7 1/2c higher. Pork, July, \$17.20; September, \$17.35; October, \$17.35; January, \$16.12 1/2. Lard, July, \$10.42 1/2; September, \$10.57 1/2; October, \$10.12 1/2; November, \$9.50; December, \$9.15; January, \$8.95; May, \$8.80. Ribs, July, \$10.25; September, \$10.32 1/2; October, \$10.05. Cash quotations: Dry salted shoulders, boxed, 9 3/8c to 9 1/2c; short clear sides, boxed, 11c to 11 1/4c.—Liv-

erpool, July 23. — Hams, short cut, quiet, 60s 6d. Bacon, Cumberland cut, steady, 56s 6d; short rib, quiet, 60s; long clear middles, light, steady, 59s; long clear middles, heavy, quiet, 58s 6d; short clear backs, steady, 58s 6d; clear bellies, steady, 62s 6d. Shoulders, square, quiet, 47s. Lard, prime western, dull, 53s 6d; American refined, dull, 53s.

**WOOL.**

The local market is practically bare of stock, "All sold and trying to get more," is the reply of importers. And they express the principal difficulty as applying to price, for following a firm market since the last opening sales there was an advance of 10 per cent. this week, principally on fine merinos. Crossbreds are slightly advanced also. This accounts for the difficulty experienced in buying to advantage just at present. Boston reports sales within the past week as beating the record in volume, and these at advancing prices. The tone is, therefore, very firm all round. We hear of no Northwest wool being on the market. Dealers admit the probability of its being taken in quantities by manufacturers direct. Fine wool now on the way here, will, doubtless, command higher prices. Following a report on the 22nd of a 10 per cent. advance at the London auctions, a cable of the 23rd says: At the wool auction sales to-day 14,081 bales were



## R. GREENLESS & Co.,

Fender and Ashpan Makers,  
42 GREAT CLYDE STREET, GLASGOW, SCOTLAND.

Works; 30 East Howard Street.

Illustrated Price Lists on Application.

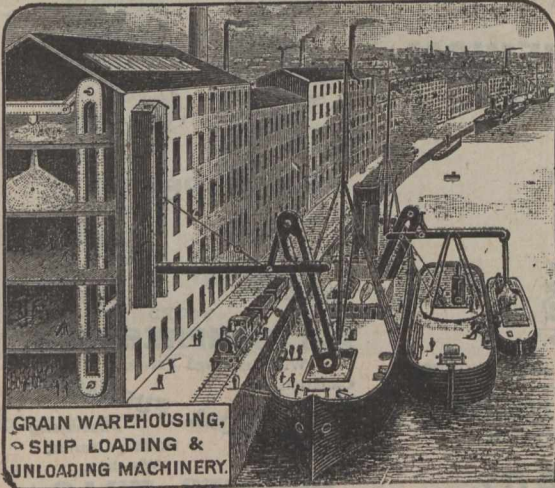


Contractors to H. M. GOVERNMENT.

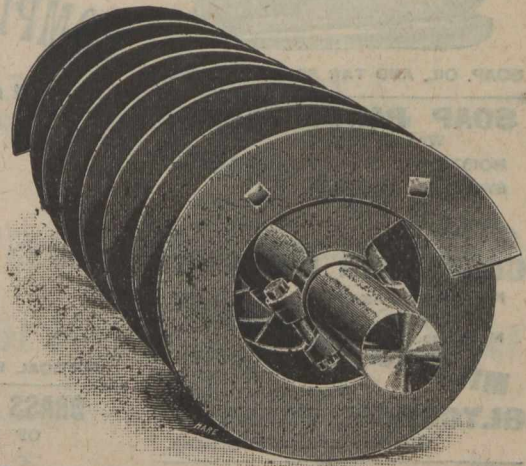
Telegrams: "CONVEYOR, ACCRINGTON."

# CONVEYOR and ELEVATOR CO.

LOWER BRIDGE WORKS,  
ACCRINGTON, Lancashire, Eng.



GRAIN WAREHOUSING,  
SHIP LOADING &  
UNLOADING MACHINERY.



Spiral Conveyors, Coal Conveyors, Chain Conveyors, Band Conveyors, Grain Conveyors, Tray Conveyors, Stokehold Conveyors, Grain Elevators, Coal Elevators, Chain Elevators, Belt Elevators, Bale Elevators, Barge Elevators, Ship Elevators 9508, Compound Floating Grain Elevators.

offered. There was an all-round steady tone and a large supply. Scoured grades were in good demand by France and Germany. New Zealand scoureds were bought by the home trade. Merinos were well supported, American representatives buying the fine light greasy stocks, and also occasional fine medium crossbreds. Cape of Good Hope and Natal wools were firm. The total withdrawals to date aggregate 15,500 bales. The sale in detail follows: New South Wales—2,400 bales; scoured, 5¼d to 1s 8½d; greasy, 7d to 1s 1½d. Queensland, 500 bales; scoured, 10d to 1s 8d; greasy, 2¾d to 11½d. Victoria—400 bales; scoured, 5¼d to 1s 8d; greasy, 4¾d to 11d. South Australia—1,000 bales; scoured, 7½d to 1s 1½d; greasy, 4¼d to 11½d. West Australia—48 bales; greasy, 8d to 10d. New Zealand—5,900 bales; scoured, 4½d to 1s 7d; greasy, 1d to 1s. Cape of Good Hope and Natal—300 bales; scoured, 8½d; greasy, 6d to 8½d. Punta Arenas—3,300 bales; greasy, 32½d to 8d. Italian—100 bales; scoured, 10½d to 11d.

### PATENT REPORTS.

The following complete weekly list of patents granted to Canadians is furnished by Messrs. Fetherstonhaugh

& Co., patent solicitors, Canada Life Building: Canadian: A. D. Leblanc, shoe holding device; H. Laplante, railway rails; J. H. P. McPherson, window shade spring roller attachments; G. Wedlake, plows; A. Martin, cable grabs; B. Fletcher, continuous moulding machines; B. Huffman, duplicating books; R. H. Casswell; milk colors; W. O. Leduc, cant hooks; A. G. Ingalls, method of separating and feeding water as fuel to a fire; J. N. Stong, sickle grinders; W. T. Gibbs, electric furnaces. American: A. N. Cameron, apparatus for forging car-wheels; T. Partridge, jr., stove-grate; J. M. Smith, printing frame; J. W. Smith, car coupling; L. J. A. Staniewicz, bookbinders' clamp; Charles Whetham, portable tripod.

Owen N. Evans, solicitor patents and expert, Temple Building, reports the following United States and Canadian patents granted to Canadians last week: United States: Hand corn-planter, Fred. A. Colver; process of recovering metallic tin, David H. Brown et al; gas and air mixer, John Seymour; machine for mixing gas and air, John Seymour; air and gas mixer, John Seymour; elevator bin, J. A. Jamieson; bin, J. A. Jamieson; mitring and tool-guiding device, J. M. J. Phelan; heater, W. E. Vanstone. Canada: —

Peat collecting machines, W. A. Milne; attachments for bob sleighs, R. McArthur; beet bunchers and cultivators, J. B. and D. B. Shantz; railway car sanders, D. N. Muller; wardrobes, J. A. E. Delfosse; domestic refuse crematories, J. H. Cotter; water heaters, W. E. Vanstone; method of producing gas from peat and other organic substances, L. L. Merrifield; gas producers, L. L. Merrifield; pneumatic straw trackers for threshing machines; wall construction, L. A. Morrison; non-refillable bottles, A. Weatherhead; wash boilers, A. McLeod; nut locks, Geo. H. Layng.

### SALE OF INVENTIONS.

Martin A. Toline assigned to McKindree F. Bishop, of Barrington, Ill., on December 29, 1901, patent No. 700,445, for thill coupling, for \$2,500.—In consideration of \$3,000, The Dorn & Marcellus Co., of Philadelphia, Pa., have secured the entire right in and to patent No. 675,326, for pumping apparatus. Assignment recorded December 12, 1901.—A. T. Morey assigned to The M. & M. Oxygen Light Co., of Mo., on December 16th, 1901, the entire right to patent No. 649,252, for carburetter, for \$50,000.—Louise Denayronze assigned to Wm. Flutiman, of New York, on Dec. 24, 1901, entire right to Bunsen

## JOHN STONES,

Shiffnall Mill,

BOLTON, Eng.

Dress and Blouse Materials, Bleached and Unbleached Cottons, Prints, &c.

Also handles a Big Line of Goods, slightly damaged in process. These are valuable to Departmental Stores, under the New Canadian Tariff.



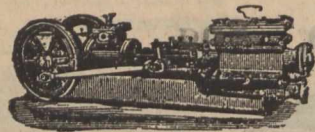
Telegrams : "NEILL, ST. HELENS."

Telephone : "No. 20, ST. HELENS."

# Soap Machinery

. . BONE AND TALLOW DIGESTERS . .

W. NEILL & SON, ENGINEERS, IRON & BRASS FOUNDERS, BOILERMAKERS



SOAP, OIL, AND TAR SPECIAL PUMPS.

**SOAP PANS, TANKS,**  
With all Fittings.

HOISTS.  
SWIVELS.

**STEEL SOAP FRAMES**  
The Best  
in the Market.

**CRUTCHING MACHINES**  
New Bar-Cutting and  
Tabletting  
Machines.

**MILLING MACHINERY**  
Hand and  
Steam Stamping  
Machines with Dies.

**GLYCERINE PLANT,**  
With Fire or Steam Evaporation.

**SOAP  
COMPLETE PLANTS  
CHEMICAL**

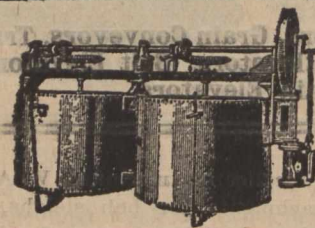
All on Newest Design.



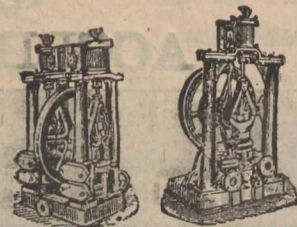
VERTICAL FRAME PUMPS FOR LIQUORS.

**BRASS AND IRON CASTINGS**  
OF EVERY DESCRIPTION.

**DRIVING, VACUUM,  
BLOWING, PUMPING,**  
VERTICAL AND  
**ENGINES.**  
HORIZONTAL



VENES.



CAMERON PUMPS. PILLAR PUMPS.

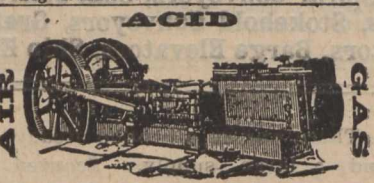
**FILTER PRESSES,**  
In Cast Iron  
or Gun Metal.

**CHEMICAL PUMPS,**  
Pans  
and Stills.  
NOTED  
**AIR COMPRESSORS,**  
With Improved Valves.

Causticisers.  
Agitators.

**MECHANICAL FURNACES,**  
Absorbers,  
Hoists, Cranes,  
Winches.

**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

Burner for Incandescent Light, patents Nos. 673,704 and 684,921, for \$60,000.—Communication of Messrs. Marion & Marion, patent attorneys, Montreal, Canada, and Washington, D.C.

MESSRS. JAMES NORTH & SONS.

As it is but natural that merit should attract attention in a wider circle each season we were not surprised on learning through a recent letter that the well known English firm of Messrs. James North & Sons were finding their trade in Canada gradually increasing. The various lines of gloves, etc., manufactured by this firm are gotten up with a care as to every detail—durability being a leading feature—which ensures for them lasting recognition. From every hand praise seems to come in freely regarding the superiority of the goods manufactured by this firm; and the simple secret of it all is that they make all their goods with a firm determination to satisfy the wearers. So long as this is kept up the house will be kept full to overflowing with repeat orders from far and near.

The following are recent notices as appearing in representative English

trade papers: Messrs. J. North & Sons, Hyde Cheshire.—In noting the seasonable goods of this well known firm in a recent issue it was remarked that with their attractive specialties they anticipated one of the best seasons ever recorded since the business was commenced in 1868. These hopes have, judging by the extraordinary briskness in every department, both at the Godley and Tower Street mills, been realised. Gloves of every description, in all sizes, shades, and qualities, are being turned out with a rapidity that bears unmistakable testimony to the large and increasing volume of trade with which Messrs. North can cope at their well equipped premises. All sorts and conditions of men—and ladies, too—in fact great attention is paid to the demands of the fair sex—are adequately catered for. The lady of fashion, the gentleman of means, the middleman, the average artisan—who requires a good durable article at the minimum of cost—the cabby, the stoker, the gardener, the pugilist, the army man, and others too numerous to mention, find their especial wants met to a nicety in the excellent productions of Messrs. North's glove department. Reindeer skins in brown, grey, fawn, black, and

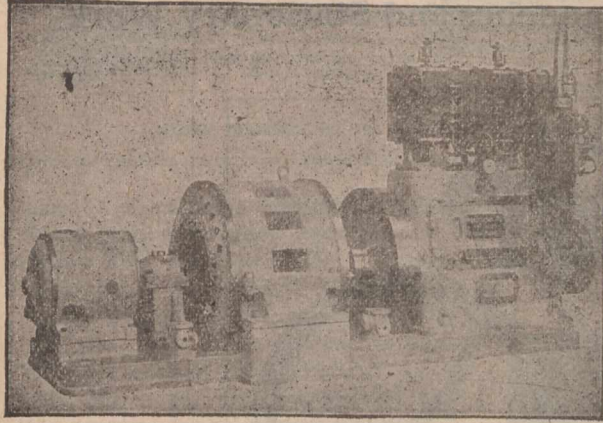
scarlet are being specialised for the summer season, and look very pretty, as do also the cape skins which are being dressed and finished by Messrs. North's careful process. In this particular class of skin some substantial orders have been booked for leggings and pouches, while as regards mock buck an extensive supply is being sent out in brown and tan for gents' waistcoats. The orders for military gloves in real reindeer which Messrs. North recently executed for the English and Indian armies, have created a good demand for that superior class of goods, so that both in the home and foreign trade Messrs. North are very busy.—Busy Godley Mills.—The well established firm of Messrs. North and Sons, Godley Mills, Hyde, is more than maintaining its reputation. Orders have come in so quickly, accompanied with a peremptory note, so to speak, for their immediate attention, that it has been found necessary to increase the staff, and moreover, to expedite the work, additional machinery has been put down in various departments of the works. The firm is exceedingly busy in every department, and the foreign trade in chamois has not been so brisk for fifteen years. In athletic goods



Telegrams: "MAGNETO," Bradford.

# ROSLING, APPLEBY & FYNN,

LIMITED.



**TRAFALGAR WORKS.**

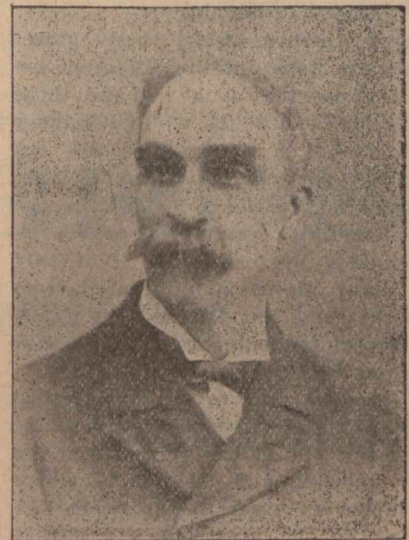
**Bradford,**  
**Yorkshire, England.**

**STOCKS AND BONDS.**

NAME.	Par Val's.	Capital Subscribed.	Capital paid-up.	Rest.	Div. last 6 Ms	Dates of Dividends.	Per Cent. Price July 24 (Bid)	Cash value per S.
British North Am.....	243	4,355,655	4,355,655	1,776,333	3	Apl. Oct	136	330 48
Can. Bank of Commerce	50	8,000,000	8,000,000	2,000,000	2½	June Dec	147	73 50
Commercial, Windsor..	40	500,000	350,000	60,000	3	.....	105	42 00
Dominion .....	50	2,500,000	2,500,000	2,500,000	*2½	May	244	122 00
Eastern Townships.....	50	2,000,000	1,742,535	1,209,000	3½	Jan July	150	75 00
Halfax Banking Co.....	20	600,000	600,000	500,000	3½	Feb. Ang	158	79 00
Hamilton .....	100	2,000,000	2,000,000	600,000	5	June Dec	205	205 00
Hochelega .....	100	1,999,700	1,967,000	250,000	3½	June Dec	152	152 00
Imperial .....	100	2,500,000	2,500,000	2,125,000	5	June Dec	329	229 00
Merchants' Can.....	100	6,000,000	6,000,000	2,600,000	3½	June Dec	153½	153 50
Molson's .....	50	2,500,000	2,500,000	2,150,000	4½	Oct April	215	107 50
Montreal .....	200	12,000,000	12,000,000	8,000,000	5	June Dec	256	512 00
Nationale .....	20	1,469,700	1,430,550	350,000	3	May Nov	95	28 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	4½	Feb. Ang.	232	232 00
Ontario.....	100	1,500,000	1,400,000	425,000	2½	June Dec	135	135 00
Ottawa .....	100	1,994,900	2,000,000	1,765,000	4 & 1	June Dec	205	205 00
People's of N. B.....	150	180,000	180,000	155,000	4	.....	250	375 00
Provincial.....	25	873,437	781,248	.....	3	June Dec	155	155 00
Quebec.....	100	2,500,000	2,500,000	800,000	3	June Dec	117	117 00
Royal.....	100	2,000,000	2,000,000	1,700,000	3½	Feb Ang	171½	171 50
St. Stephen's.....	100	200,000	200,000	45,000	2½	April Oct	.....	.....
Standard .....	50	1,000,000	1,000,000	850,000	5	April Oct	233	116 50
Toronto .....	100	2,500,000	2,500,000	2,600,000	5	June Dec	245	245 00
Traders .....	100	1,350,100	1,344,420	350,000	3	June Dec	112½	112 25
Union (Halfax).....	50	800,000	800,000	505,608	3½	Mch Sept	150	75 00
Union of Canada .....	100	2,000,000	2,000,000	650,000	3	June Dec	.....	.....
Western.....	100	500,000	401,239	150,000	3½	Apl Oct	.....	.....
Agri. Sav. and Loan Co .....	50	620,200	620,200	192,000	3	Jan July	.....	.....
Bell Telephone Co.....	100	5,000,000	5,000,000	800,000	4½	Jan *	164	164 00
Brit. Can. Loan & Inv. Co.....	100	1,937,900	298,481	120,000	2½	Jan July	.....	.....
Brit. Mortg. Loan Co.....	100	450,000	389,214	130,000	3	Jan July	123	123 00
Can. Colored Cot. Mills Co.....	100	2,700,000	2,700,000	.....	3	Jan *	57½	57 50
Can. Landed & Nat'l Inv't Co.....	100	2,008,000	1,004,000	350,000	3	Jan July	90	90 00
Can. Per. & W. Can. M. Corp'n.	10	5,951,350	5,951,350	1,490,057	3	Jan July	115	57 50
Can. Sav. & Loan Co.....	50 & 7½	750,000	750,000	250,000	3½	Jan July	114	57 00
Central Can. Loan & Sav. Co	100	2,500,000	1,250,000	450,000	*1½	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	.....	1½	Jan *	124	62 00
Dominion Cotton Mills Co.....	100	3,333,600	3,333,600	.....	6	Mar *	60	60 00
Hamilton Prov. and Loan.....	100	1,500,000	1,100,000	356,752	3	Jan July	112	112 00
Home Sav. and Loan Co .....	10	2,000,000	200,000	200,000	3½	Jan July	135	135 00
Huron & Erie Loan & Sav. Co	50	3,000,000	1,400,000	890,000	4½	Jan July	179	89 50
Imperial Loan and Inv. Co..	100	732,724	720,547	175,000	3	Jan July	70	70 00
Landed Banking and Loan ..	100	700,000	700,000	210,000	3	Jan July	111	111 00
Lond. & 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	275,000	50,000	2	Jan July	55	55 00
Montreal Telegraph Co.....	40	2,000,000	2,000,000	.....	2	Jan	163	65 27
Montreal Gas Co.....	40	3,000,000	2,998,640	.....	5	April Oct	341	96 50
Montreal Street Ry. Co.....	50	5,000,000	4,500,000	560,318	2½	Feb. *	232	126 00
Montreal Cotton Co.....	100	1,400,000	1,400,000	600,000	4	Mch. *	124	124 00
Merchants Cot. Co.....	100	1,250,000	1,250,000	.....	4	Feb Aug	80	80 00
Montreal Loan and Mortg.....	25	500,000	500,000	360,000	3½ & 1	Mch Sep	137½	34 37
Ont. Indus. Loan and Inv.....	100	468,500	314,286	150,000	3	Jan July	121½	60 75
Ont. Loan and Deb. Co.....	50	2,000,000	1,200,000	560,000	3	Jan July	24	12 00
People's Loan and Dep. Co.	50	600,000	600,000	50,000	2	Jan July	70	35 00
Real Est. Loan Co.....	40	373,720	373,720	.....	3	Jan July	108	108 00
Richelieu and Ont. Nav. Co.	100	2,088,000	2,088,000	104,355	3	May Nov	168	168 00
Mont. Heat, Light & Power Co	100	2,250,000	2,250,000	320,156	.....	Jan. *	100½	100 50
Toronto Electric Light Co..	100	2,000,000	2,000,000	.....	.....	Jan.	126	126 00
Toronto Mortgage Co.....	50	1,445,880	724,540	250,000	2½	.....	76½	76 50
Toronto Street Railway.....	100	6,000,000	6,000,000	.....	.....	Jan. * July	121½	121 75
Windsor Hotel .....	.....	.....	.....	.....	.....	.....	112½	112 50

\* Paying quarterly dividends.

(cricket especially) the firm is doing exceedingly well, and there is every prospect of an exceptionally busy season. The trade in harvest gloves, etc., is all that could be desired and much beyond the past average, and the boxing glove business has also considerably increased in volume. Much business is being done in the Spanish market with mock buck in tans, and fancy shades, and whites and greys, as well as tans, are also in great demand for the home markets. Samples are now being taken in dress and driving gloves and in this department of the trade



Mr. Robert North.

there is every reason to anticipate it will be accorded much success. In saddlery, the collar basil and jobbing basil have scored a great success, and there are exceptional difficulties in meeting with the cheaper kinds owing to the scarcity on the market. As a matter of fact the firm has never been so busy, and in order to cope with the orders twelve additional machines have been put down in the glove department, and additional machinery has also been put down in the manufacturing department. Overtime is being



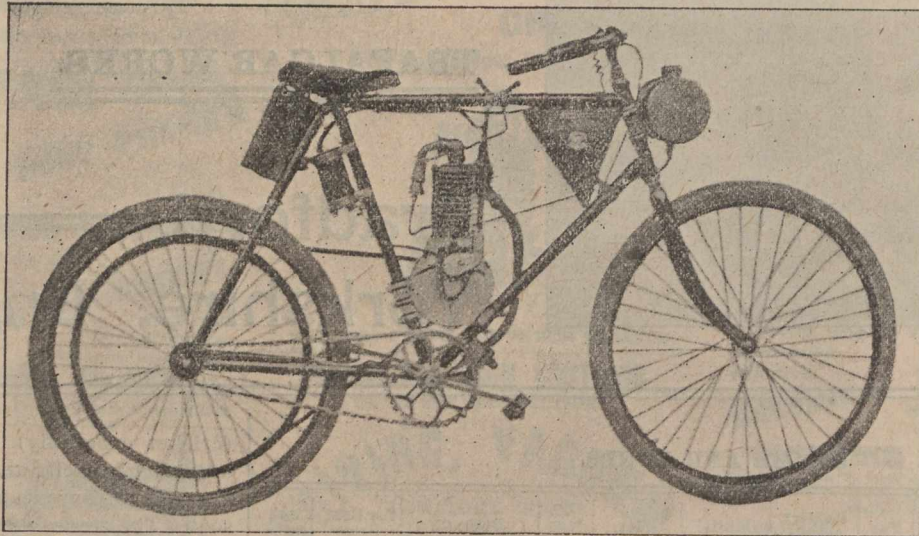
FACTORS OF: Motor Accessories, Motor Bodies in Wood and Aluminum, Electrical Parts, Rubber Goods, Lubricating Oils, &c.

Telegraphic Address: "AUTOLATRY."

## AUTOMOBILE COMPONENTS, LIMITED,

MANUFACTURERS OF

Steam, Petrol and Electric Motors, Gears, Axles, Frames, Tools, Fittings and all Motor Component Parts, for Cars, Launches and Stationary Work.



18-20 Church St., Islington, N., - London, England.

NOTE—These Cars are supplied  $33\frac{1}{3}$  p.c., less to Canadians, F.O.B. London, under the New Preferential Tariff. 🇬🇧

worked, and there is every prospect of the briskness continuing.

Every person who wears gloves eventually finds out the difference between those that look well and those that wear well. In a like manner every dealer in gloves finds this out after he has, perhaps, unknowingly dealt in the former for a season, the unsatisfactory results of which he must abide by for years. Not only are many gloves manufactured from poor material, but the make is as often superintended more with a view to speed than durability.

A question put to an experienced dealer in men's furnishings as to his experiences in selling gloves, from the split muleskin and sheepskin mitten for labourers' wear to the finest kid, shaded to the latest fad, will, if that person so desires, bring forth sufficient anecdotes of trouble and reconciliation to fill a book. Holding a high place among thoroughly reliable makers and dealers in gloves, the firm of Messrs. James North & Sons, Manchester, Eng., are desirous of further acquainting the Canadian trade with the durability of their goods, the care taken in seeing that all gloves are perfect before entering the shipping rooms; that all their products are sold on their correct names as applying to the sort of leather or fabric composing them and that their efforts

throughout are based on the principle that it is wiser to sell regularly to a dealer on a minimum profit than to sell him once on a maximum and then lose his trade. An illustration of the



Mr. L. P. North.

variety of gloves manufactured by this well-known Manchester house cannot be better shown here than by a reproduction of the following notice, which appeared in a recent issue of Saddlery and Harness, a representa-

tive trade journal published at Wals-hall, England:

In these days of increasing competition both at home and abroad, when it is more than ever necessary for the manufacturer to make the most strenuous efforts to keep pace with present day requirements, it is always gratifying to the true man of business to recognise enterprise. An excellent illustration of this spirit of progression is afforded by the proprietors of the well known Hyde Leather Works, whose name appears at the head of this article. Messrs. North & Sons have for many years occupied a prominent position as wholesale manufacturers of all kinds of chamois goods, gloves, &c., and a visit to their splendidly fitted Godley Mills and their Tower Street Works, Hyde, would convince the most skeptical that the firm in question are not only well to the fore in their particular branch of trade, but show every indication of maintaining their position. At this season of the year, Messrs. North are, as usual, extremely busy with orders, for the spring and summer trade, and particularly in chamois they have at present orders which will keep them busy for some time to come. Their harvest, Drummond's, Oxfords, and gardener's gloves are just now in great demand, and their trade in driving gloves increases with the years. Notice must also be







	LIABILITIES. Bank Statement to Govt. Month ending June 30, 1902	Capital Authorized.	Capital Subscribed.	Capital Paid up.	Reserve Fund.	Dividend Rate p. c. p. annum.	Notes Circulation	Bal. due to Dom. Gov. aff'r ded'ct. adv'nce for credits, &c.	Balance due to Provincial Govts.	Deposits by the public, payable on demand in Canada.	
1	Toronto .....	\$3,000,000	\$2,500,000	\$2,497,290	\$2,597,290	10	\$2,228,467	\$ 26,471	\$ 197,410	\$ 4,720,716	1
2	Commerce .....	3,000,000	3,000,000	3,000,000	2,000,000	7	6,642,318	790,851	199,223	12,247,347	2
3	Dominion .....	3,000,000	2,500,000	2,500,000	2,500,000	10	2,380,644	23,049	73,053	6,610,385	3
4	Ontario .....	1,500,000	1,400,000	1,399,660	425,000	6	1,261,462	15,885	257,109	2,144,688	4
5	Standard .....	2,000,000	1,000,000	1,000,000	850,000	10	923,363	18,481	163,814	2,665,810	5
6	Imperial .....	2,500,000	2,500,000	2,500,000	2,125,000	10	2,449,341	79,726	233,691	6,071,215	6
7	Traders .....	1,500,000	1,350,000	1,350,000	350,000	6	1,331,525	.....	60,003	1,808,055	7
8	Hamilton .....	2,500,000	2,000,000	2,000,000	1,600,000	10	1,882,305	19,209	336,023	4,379,776	8
9	Ottawa .....	2,000,000	2,000,000	2,000,000	1,765,000	9	1,873,561	25,285	774	2,929,091	9
10	Western .....	1,000,000	500,000	418,339	150,000	7	362,030	.....	.....	403,243	10
11	Sovereign .....	2,000,000	1,300,000	844,222	141,629	Nil.	135,180	.....	.....	606,010	11
	Total, Ontario .....	29,000,000	25,030,000	24,509,061	14,503,919	.....	21,464,196	999,507	1,542,000	44,585,341	
12	Montreal .....	12,000,000	12,000,000	12,000,000	8,000,000	10	7,116,186	3,018,532	69,729	22,950,631	12
13	British North America .....	4,866,666	4,866,666	4,866,666	1,776,333	6	2,463,293	7,352	38,299	5,794,548	13
14	Provincial Bk. of Can. ....	1,000,000	873,637	819,246	Nil.	3	793,918	15,349	83,222	158,502	14
15	Hochelaga .....	2,000,000	1,999,800	1,973,140	950,000	7	1,509,614	20,237	90,266	1,784,289	15
16	Molson's .....	2,500,000	2,500,000	2,500,000	2,150,000	9	2,416,843	48,988	267,582	4,540,157	16
17	Merchants .....	6,000,000	6,000,000	6,000,000	2,700,000	7	3,896,973	301,499	2,877	8,316,201	17
18	Nationale .....	2,000,000	1,400,000	1,465,485	350,000	6	1,406,319	24,287	65,525	1,200,398	18
19	Quebec .....	3,000,000	2,500,000	2,500,000	900,000	6	1,560,108	17,356	108,755	3,157,859	19
20	Union .....	2,000,000	2,000,000	2,000,000	650,000	7	1,955,168	10,262	976,310	2,587,459	20
21	St. Jean .....	1,000,000	500,200	262,299	10,000	6	155,983	.....	20,961	22,336	21
22	St. Hyacinthe .....	1,000,000	504,600	327,290	75,000	6	267,675	.....	25,437	90,954	22
23	Eastern Townships .....	2,000,000	2,000,000	1,967,000	1,200,000	7	1,510,885	23,732	30,722	1,547,503	23
	Total, Quebec .....	39,366,666	37,234,913	36,679,126	18,761,333	.....	25,042,015	8,490,544	1,778,685	49,156,837	
24	Nova Scotia .....	2,000,000	2,000,000	2,000,000	2,800,000	9	1,943,479	636,725	.....	5,150,715	24
25	Royal Bank of Canada .....	3,000,000	2,000,000	2,000,000	1,700,000	7	1,884,314	318,456	.....	2,538,991	25
26	People's .....	300,000	700,000	700,000	280,000	6	688,364	11,843	.....	553,500	26
27	Union .....	1,500,000	1,000,000	1,000,000	642,659	7	868,620	12,321	.....	722,472	27
28	Halifax B. Co. ....	1,000,000	600,000	600,000	500,000	7	579,784	.....	.....	679,875	28
29	Yarmouth .....	300,000	300,000	300,000	40,000	5	79,714	10,047	.....	38,820	29
30	Exchange .....	280,000	280,000	285,608	40,000	5	92,403	.....	.....	55,764	30
31	Commercial, Windsor .....	500,000	500,000	350,000	60,000	6	308,167	11,530	.....	97,805	31
	Total, Nova Scotia .....	9,380,000	7,380,000	7,215,608	6,062,659	.....	6,435,345	1,008,641	.....	9,887,642	
32	New Brunswick .....	500,000	500,000	500,000	700,000	12	474,161	51,220	.....	787,009	32
33	Peoples .....	180,000	180,000	180,000	160,000	8	153,180	12,340	.....	116,946	33
34	St. Stephen's .....	200,000	200,000	200,000	45,000	5	125,800	14,832	.....	104,346	34
	Total, N. B. ....	880,000	880,000	880,000	905,000	.....	753,141	78,442	.....	1,009,700	
35	Merchants, P. E. I. ....	500,000	300,013	300,013	175,000	8	258,346	.....	342	554,261	35
	Grand Total .....	79,126,666	70,844,926	69,984,308	40,407,911	.....	53,953,043	5,577,134	3,321,527	105,137,781	

mixed with any other ingredients. Trial orders shall have our best attention.—Nuts and Kernels, of all varieties.—Preserved Fruits.—Glace cherries, debris, dark whole, boldish pale fair smallish, bright small, small acid, Bigarreaux, extra fine, in boxes 8 lbs. to 12 lbs. each, packers weights. Cases contain from 25 to 42 boxes each. Crystallized cherries, knots, apricots, assorted fruits, etc.—Gelantine—Thick, many kinds at from 45s to 120s per cwt., in bales of about 2 cwt. each, and in casks of from 3 to 5 cwt. each. We are in direct correspondence with some of the largest and best manufacturers of all classes of gelatine, which we supply at the lowest possible prices. Samples of all kinds matched and quoted for by return of post.—Sundries—Acids of all kinds, in liquid, lump powder and crystals, soda bicarb., cream of tartar, 90 to 98 deg.—Arrowroot, corn flour, rice flour; tapioca flour, in 1½ cwt. bags; sago; cerealine, according to quantity; farina, starch powder, white dusting powder, cocoa shell powder, cocoa nut oil (Ceylon), cocoanut oil (Cochin), cocoa butter, slab oil, etc., etc.—Cocolate and Caramel Butter, &c.—Cocos butter, chocolate butter, toffee butter, biscuit and cake maker's butter, in packages of about 1-cwt.; caramel paste, in 28 and 56 lb. tins, and 1 cwt. kegs. Packages free. These goods have been largely used for several years past, and they have given general satisfaction. There are none better on the market.—Egg Albumen.—Good ordinary, strong and good color, first quality, in cases as imported. Egg m-lange, in 28 lb. tins, a mixture of white and yolk of new laid eggs; white of egg, in kegs.—Colors—Aniline powder: Black, blue, cherry red, chocolate brown, green, magenta, orange, pink, plum, red, yellow; brown colors for

cheap chocolate work; liquid cochineal, liquid butter color, in bottles of 1 lb. and upwards, bottles charged and not returnable; saffron alicante, saffron valencia, in 1 lb. tins.—Gums of all kinds.—Desiccated Cocoanut: Coarse, medium, fine, chips, broken chips, strips and thread; also sugared in barrels and cases.—Glucose: All varieties. —Samples of most of these goods can be had on application. Enquiries for special quotations for large quantities of any goods required, shall have immediate attention.

NEW PAPER BOX DEVICES.

To the Remus Company, Limited, 30 to 34 Tabernacle street, London, Eng., belongs the credit for the latest and most improved machines for paper box making. These machines embody altogether new ideas in this art inasmuch as they do away entirely with the use of paste, glue, etc., fitting and fastening the boxes by a new and simplified method.

In a recent issue of the Paper Box and Bag Maker, a representative English journal, we find the following:—The Remus Company, Limited.—It will be interesting to our readers to have just a short history of The Remus Company, Limited, which for some years, as is well known, was carried on under the name of "T. Remus." This box-making business has been a very important element in influencing the manufacture of boxes, and impressing upon manufacturers the importance of boxing their articles. We can safely say that Remus is, so to speak, a "household word" amongst the box fraternity. We believe that Mr. Remus commenced his inventions

in Dresden, Saxony, and in conjunction with Mr. Scherbel, started the business which is now known as The Actien Gesellschaft fur Cartonagen Industrie, of whom Messrs. Hugh Stevenson & Son, Limited of Manchester, ter, are agents. In 1890, Mr. Remus commenced business in this country at Nos. 30-30 Tabernacle Street, Finsbury, London, E.C., where the great inventions of his life were conceived. The first to be placed upon the market was the old Remus Metal Edging, which was made at the above premises, and is now superseded by the Ornament Metal Edging now manufactured by them. This idea of having metal edging to clamp boxes was so novel and effectual that it created quite an interest with the public, and to a certain extent revolutionized the box trade. The users of boxes came from all parts of the country to inspect the new metal edging. With the Englishman's proverbial slowness of adopting anything new, it was with great difficulty that the users could get box makers to adopt their system, The Remus Company, Limited, were forced to come to the trade direct, and so induce the box makers to adopt their machinery. From what we see of the enormous growth in that particular branch of the trade we are sure that they have done well in inaugurating a system which has proved to be such a means of profit earning. But it is a recognized thing, and is strictly adhered to by The Remus Company, Ltd., that they do not compete against box makers delivering boxes made on their system; and machines which we strongly recommend the trade to take particular note of.

Next came the invention of the Channel Scoring Apparatus, which, to



BANKS. Liabilities—Continued.	Dep. by public pay. after no tice on fix d day in Can.	Deposits elsewhere than in Canada.	Loans from Banks in Can. secu'd	Depo. made by d Balances Due other Bks. in Can	Balances Due other Bks or agts in U. K.	Balances Due bks or agts not in Can or U.K	Other Liabilities.	Total Liabilities.
1 Toronto .....	\$ 10,053,402			\$ 295,156		\$ 7,208	\$ 1,027	\$ 17,523,860
2 Commerce .....	31,184,089	\$6,588,506		123,742	\$ 700,376	177,244	8,167	59,661,866
3 Dominion .....	14,912,798							24,001,432
4 Ontario .....	6,387,225			25,998	459,372			10,551,742
5 Standard .....	6,998,876				533,568			11,203,908
6 Imperial .....	11,705,580			61,483				20,601,038
7 Traders .....	7,060,454			337	256,936			10,527,302
8 Hamilton .....	9,408,966			79,771	159,026			16,265,079
9 Ottawa .....	8,266,673			6,231	208,108			13,429,675
10 Western .....	2,233,957			91			291	2,998,618
11 Sovereign .....	186,900			26	5,074			933,192
Total, Ontario .....	104,408,920	6,588,506		892,835	2,322,445	184,452	9,485	186,697,712
12 Montreal .....	38,764,185	23,076,690		645,226				95,821,131
13 British North America .....	7,893,518	2,074,917		183,180		84,200	11,266,315	29,750,622
14 Provincial Bk. of Can. ....	733,282		698,196				12,580	2,477,901
15 D'Hochelaga .....	5,228,146			875	951	3,475	74,519	8,712,344
16 Molsons .....	11,497,579			323,245	5	52,363		19,146,815
17 Merchants .....	14,840,858	44,021		791,154	357,252		7,684	25,558,522
18 Nationale .....	3,524,840			9,712	135,280			6,268,264
19 Quebec .....	3,799,990			154,785	229,189			8,998,045
20 Union .....	5,354,915			10,032	78,584			10,971,732
21 St. Jean .....	263,385						4,958	466,745
22 St. Hyacinthe .....	1,016,972							1,381,040
23 Eastern Townships .....	5,748,950			1,765	21,885	5,927		8,891,373
Total, Quebec .....	98,591,620	25,195,628	698,096	2,099,974	823,146	145,965	11,866,006	218,382,544
24 Nova Scotia .....	11,471,861	2,103,518		325,996	92,911		90,000	22,182,675
25 Royal Bank of Canada .....	9,078,737	1,842,765		37,042	755,377	367,468	70,042	16,880,881
26 People's .....	2,026,664			14,092	76,804		3,596	3,374,686
27 Union .....	2,833,211			91,739	843,560		13,309	5,881,285
28 Halifax B. Co. ....	3,085,665			324	109,937		21,100	4,487,307
29 Yarmouth .....	415,269							543,551
30 Exchange .....	233,603					6	645	382,425
31 Commercial, Windsor .....	858,638			420				1,276,561
Total, Nova Scotia .....	30,006,670	3,947,283		469,513	1,878,589	720,928	203,492	54,508,121
32 New Brunswick .....	1,936,424			7,579				3,257,294
33 People's .....	280,117			28,498			186	586,278
34 St. Stephen's .....	182,640			951		2,896	187	432,204
Total, New Brunswick .....	2,399,181			32,028		2,896	373	4,275,766
35 Merchants, P.E.I. ....	405,729						20,104	1,239,282
Grand total .....	239,812,130	35,731,417	698,106	3,194,350	6,024,180	1,054,241	11,599,460	465,103,425

Eastern Townships Bank bonus of one per cent. equal in all to a dividend of 8 per cent. per annum.

Bank of Toronto bonus of one per cent equal in all to a dividend of 11 per cent per annum.

use the old and well worn phrase, "supplied a long-felt want"; as, previous to that invention, single-wheel scores were made, and the board was bent on the breaking side. This channel scoring apparatus removed a portion of the board in a given line, and enabled the same to be bent on the perfect side of the board, so as to give a smooth bend to the outer edge of the box. This apparatus has had an enormous run, and answers admirably for every description of material, and it is astonishing what high-class workmanship can be turned out with such a simple but invaluable tool in the hands of the box maker.

The next invention was the Paper Bordering Machine, which is invaluable as a machine to border the edge of boards with colored paper, or to lay this paper border flat on the lids of boxes. This machine gives a very high artistic finish at a minimum of cost to the boxes, as it is so simple of manipulation that small girls can be seen working this machine and apparatus. By adopting this method the rough edge of the board is covered and gives the finish and style that cannot be excelled by the various paste-covering machines on the market.

Then in 1891, was invented the Corner Strip Riveting Machine, together with the Flat Strip Rivetter, which is recognised as equal to any metal fastening on the market.

We have inspected samples of this work fastened by the machines with the latest improvements; and with the Counter Lever Attachment it works very easily, and flattens the teeth on the inside of the lid or board level, and

just a cursory glance at one of these fastenings is convincing that there is even to-day nothing on the market to oust this early invention of Metal Edge, and as a proof of that we were shown a few orders Messrs. The Remus Company, Ltd., have in hand for this metal edge which would startle the average box maker.

With this invention of rivets came the adoption of boxes with double ends, of which every box maker is, of course, aware has an enormous turnover in the box-making trade.

Mr. Remus's idea at the commencement was to put into the box, thereby trebling the strength of the same, that which by the old system was cut out and thrown away. This idea for postage boxes particularly was recognized immediately as an enormous advantage, as boxes on this system have been known to travel from one end of the earth back without having been appreciably damaged, thereby showing what a great stride has been gained on the strength of the box by the simple fact of cutting blanks in the manner accomplished by Mr. Remus's invention, viz., the slot and corner cutting machine. With regard to this machine, it is rather hard on the inventor that the patents were not for a longer term of years, as everyone will recognise that in starting a new idea years of thought and labor are necessary, and the process of getting the trade to adopt it is slow; and by the time the system is well established, the patent in due course of time lapses and is open to the world, and is immediately pounced upon by firms who pay the compliment of manufacturing machines im-

mediately the patent lapses, and placing them upon the market. It seems hardly fair that these people who have not had sufficient inventive power should be able to reap the benefit of other people's brains, but such is the case, as no doubt every reader is aware of, and we consider, rightly, we think that the original inventors and manufacturers should have all the support shown them.

In 1892 the famous Remus Patent Bending Machine was invented and placed upon the market. This was another machine, the value of which was recognised tardily at the commencement. But what box maker of standing of the present age runs his factory without one of the Remus Bending Machines? The up-to-date box maker realises that to be able to quote for boxes and to compete against other box makers, he must have a machine which produces a perfect bend which satisfies the most fastidious. This bending machine has been through great trials, and was the cause of about £16,000 being spent in litigation by the two opposing parties, which is self-evident as to the subsequent value placed upon this invention.

There was a time when box makers were in doubt as to their legal right in working one of these machines, and their uncertainty was the cause of a great amount of dissatisfaction in the trade, as actions one after another were distributed amongst box makers; or, at least, threatening letters were flying about suggesting all manner of penalties should this machine be continued in use. Circulars were sent broadcast, advertisements appear-



BANKS.	Specie.	Domin'n Notes	Deposits with Dom Govt. for s'c'rity of note cir.	Notes & Cheq. on other bks	Loans to oth'r bks. in Can. secured	Dep. m'de with & bal due from other bks. in Can.	Due from Bks or Ag in U. K.	Bal. due from bks not in Can or UK	Dom and Prov Gov Secur'ties	Prov'l or Pub. Sec's not Can.	Railway & other bds & stocks	Call Loans on Bonds and Stocks in Can.	Call and short ins. not in Canada.	
1 Toronto .....	\$9,7662	\$ 981,270	\$ 97,848	\$ 728,242	.....	16,516	178,569	\$ 852,251	\$ 236,201	\$ 35,731	\$2,947,525	1,775,460	400,000	1
2 Commerce.	1,071,547	1,841,932	309,000	2,996,765	.....	21,000	.....	1,628,377	1,628,377	242,066	5,741,737	4,495,250	8,593,000	2
3 Dominion ...	921,421	1,290,082	115,000	947,625	.....	278,637	206,983	1,333,913	96,624	712,686	2,809,221	5,647,334	.....	3
4 Ontario	106,802	363,693	70,000	640,295	.....	125,296	.....	259,583	50,000	2,646,66	875,220	776,240	.....	4
5 Standard ...	302,211	40,548	50,000	306,797	.....	175,869	.....	1,0,546	590,288	1,703,558	637,523	1,274,053	.....	5
6 Imperial ...	632,900	1,618,438	108,141	1,981,144	.....	286,271	310,517	1,821,988	556,449	1,161,021	984,237	8,139,996	.....	6
7 Traders .....	165,732	568,902	70,000	221,682	.....	188,276	.....	92,432	628,515	4,788	1,226,031	1,995,620	.....	7
8 Hamilton ...	284,576	945,502	100,000	375,873	.....	241,125	.....	325,619	180,151	1,642,579	389,893	2,478,881	.....	8
9 Ottawa .....	460,696	937,084	97,848	430,693	.....	189,665	.....	422,512	464,252	902,258	302,737	1,087,019	.....	19
10 Western ...	25,384	21,690	21,024	38,644	.....	592,752	2,037	18,965	137,639	529,296	199,703	.....	.....	10
11 Sovereign...	3,649	131,070	6,027	1,5,311	.....	4,343	.....	134,659	.....	17,615	58,202	927,777	100,000	11
Total Ont.	4,522,324	9,106,157	1,013,888	7,883,66	.....	2,099,720	698,156	6,002,465	4,328,495	7,178,062	15,972,075	23,547,639	4,093,000	
12 Montreal....	2,498,842	5,344,870	340,000	1,188,102	.....	11,698	4,611,840	3,243,431	676,614	3,967,2	5,944,512	4,655,918	29,713,854	12
13 B. N. A. ....	909,877	1,209,583	133,966	652,952	.....	27,990	228,898	310,226	537,246	1,869,050	278,999	4,655,918	3,171,853	13
14 Provincial...	12,289	28,413	31,769	41,000	.....	148,866	3,894	5,535	260,681	283,972	567,555	.....	.....	14
15 D Hochelaga	162,660	584,779	70,000	555,362	.....	38,911	29,266	374,473	767,658	438,880	3,000	8,4405	.....	15
16 Moisons .....	471,993	751,777	120,000	834,095	.....	206,249	319,611	600,030	323,769	886,151	1,874,085	2,467,721	.....	16
17 Merchants...	483,668	1,233,247	190,000	1,170,602	437,316	4,282	.....	6,528	1,118,960	816,853	4,166,960	4,696,394	4,513,072	17
18 Nationale ...	75,824	277,208	70,000	377,182	.....	63,840	.....	33,684	35,000	.....	.....	200,810	.....	18
19 Quebec .....	271,875	619,363	90,230	908,217	260,781	102,909	.....	114,045	201,060	223,237	561,884	1,873,314	50,000	19
20 Union .....	207,560	685,152	81,000	384,773	.....	23,214	.....	7,782	.....	.....	.....	781,893	.....	20
21 St. Jean ...	7,269	10,985	3,877	8,524	.....	69,538	.....	34,026	.....	.....	.....	15,913	.....	21
22 St. Hyacinthe	13,144	17,140	15,786	10,489	.....	344,639	.....	373,370	180,073	259,590	125,269	890,490	.....	22
23 E. Townships	132,520	157,695	72,047	159,037	.....	.....	.....	.....	.....	.....	.....	.....	.....	23
Total Que.	5,246,630	10,926,207	1,218,635	6,840,335	696,097	1,084,223	5,188,537	5,899,331	3,840,700	5,118,961	12,808,227	16,953,412	37,448,509	
24 Nova Scotia.	1,890,128	1,705,510	95,755	1,891,526	.....	375	.....	1,045,915	293,340	1,267,554	2,672,303	2,687,320	3,232,054	24
25 Royal of Can	853,614	874,276	98,877	545,232	.....	88,454	.....	254,368	399,682	4,5991	2,808,799	1,500,093	1,464,678	25
26 People's Bk.	67,933	153,435	35,000	95,998	.....	16,051	.....	8,215	120,909	.....	.....	121,090	.....	26
27 Union .....	108,512	293,427	50,000	177,977	.....	151,193	.....	148,490	630,337	231,318	180,000	393,965	.....	27
28 Halifax B.Co.	71,195	260,458	30,000	136,844	.....	48,742	.....	117,554	319,860	392,868	108,000	363,402	.....	28
29 Yarmouth ...	26,584	19,926	4,437	8,495	.....	41,071	11,748	7,955	39,400	.....	17,075	.....	.....	29
30 Exchange ...	6,444	6,030	4,013	1,179	.....	22,699	.....	58,540	.....	20,000	.....	64,000	.....	30
31 Com'l'W dsor	30,516	40,754	11,807	20,132	.....	61,782	5,606	15,348	.....	.....	23,849	39,400	.....	31
Total N. S.	2,454,991	3,356,809	329,894	2,280,373	.....	430,367	17,354	1,656,385	1,312,498	2,327,721	5,874,016	5,105,270	4,696,732	
32 N. Brunswick	146,053	247,834	27,538	57,498	.....	94,532	31,212	344,213	6,150	87,795	193,808	221,932	150,000	32
33 People's .....	5,682	11,322	7,500	18,000	.....	6,284	17,696	19,580	36,247	4,600	2,300	.....	.....	33
34 St. Stephen's	11,835	11,900	7,393	12,432	.....	52,781	159	58,359	.....	.....	.....	.....	.....	34
Total N. B.	163,570	271,056	42,456	82,930	.....	153,597	49,087	422,152	42,367	92,395	196,108	221,932	150,000	
35 Mcht., P. E. I.	22,440	30,563	9,907	26,271	.....	53,544	4,284	.....	.....	.....	.....	.....	.....	35
Gr. Total	12,409,855	23,890,782	2,644,760	16,918,470	698,097	3,821,451	5,957,350	13,484,668	10,024,060	14,717,139	34,850,366	45,828,253	46,388,241	

ed in the papers and yet many box makers held on to the machine. But still this state of affairs was causing such an unrest amongst the trade that on the transformation of the firm of "T. Remus" into "The Remus Company, Limited," Mr. Stearns, the manager of this Company, approached Messrs. Hugh Stevenson & Sons with the object of amicably coming to terms, and so allaying all uneasiness in the trade. Subsequently, Mr. Arthur Stevenson sensibly agreed that it would be well to bring about an arrangement. A meeting was held, terms arranged, and the whole matter was settled for ever; so that now every box maker is free to use this valuable machine. The same are only to be procured in this country through either Messrs. The Remus Company, Limited, or Messrs. Hugh Stevenson & Sons, Limited, and the trade has not been slow to take advantage of the wisdom of these two companies coming to a mutual understanding.

Another important machine is the Single Riveting Machine, with automatic feed. When this machine was first invented, it had an arrangement with a vibrating plate, so that the working of the machine would vibrate this plate on which rivets were placed, and would cause them to slide down the channel into the hammer tube. This idea was improved upon by revolving brushes in the cup. Now there is quite another arrangement entirely. The cup-head of the rivetting machine slants towards the centre point and over the channel aperture is raised a steel platform, the end of which one rivet only can pass, and two cannot get clogged together as formerly. We have seen a letter from one of the Re-

mus Company's customers, who is a large user of these rivets, stating that they have gauged the speed of these machines in their factory, and they turn out 2,666 rivets per hour on an average. This is sufficient demonstration as to the feeding capabilities of this machine, and we do not see that a faster speed can be desired. The machine is cheap, and the elegant manufacture of the rivet adds greatly to the appearance of any box. These rivets can be had in either nickel, white, or lacquered.

Then following the demands for metal edging, The Remus Company being admittedly the pioneers of this article, our readers may be quite sure that they have not been backward in securing a machine that meets all the requirements of the trade. The feed is perfect, and the adjustment of the length of strip required is so simple, that a work girl has only to undo the screws and slide the channel register indicator to the required number of rivets, and the whole operation is finished. We have, in fact, never seen a simpler machine, and The Remus Company, Limited, have ever been noted for simplicity in all their inventions. Our advice to box makers is, that when purchasing machinery select the simplest constructed machine possible. The average box and is not of sufficient mechanical education to understand the manipulation of complicated machinery, and when the machine can safely be left in their hands a great saving of time is effected.

The Remus Company, Limited, 30, 32 and 34 Tabernacle Street and 8 Castle Street, London, England. Special terms to Canadians under the new preferential tariff. Write for particulars.

RICHARD MORELAND & SON, LTD.

To this well known firm of engineers belongs the credit for the successful introduction of solid steel columns for all kinds of structural work. Seeing the prominence being accorded steel and iron in the erection of all modern buildings this firm forged rapidly to the front in not only arranging to fully supply columns, girders, etc., of all sizes, shapes, and dimensions, but have been giving special attention to whatever makes for durability in this material. This firm's catalogue, of pocket size, yet neat and complete in illustrations and details, should be in every builder's office, furnishing, as it does, a correct solution to many obstacles which only too often obstruct the modern builder's aims. From its pages we cull the following:

Solid Steel Columns: The attention of architects and surveyors is called to the particulars and tables on solid steel columns in particular and on general construction. It has generally been the custom to withhold all technical data from catalogues on steel and iron construction, but in this pamphlet particulars are given of the necessary sizes for steel, stone and concrete bases and brick piers which we feel sure will be of great assistance to architects generally. There are many advantages to be derived from using solid steel columns in the place of cast iron columns of steel stanchions, more particularly in point of size; for example, a solid steel column, 9 in. diameter, 14 feet high, will carry 213 tons, whereas it would be necessary to use a cast iron column, 16 in. diame-



BANKS	Current Loans in Canada.	Current Loans elsewhere than Can.	Loans Govt of Can.	Loans Prov. Govts	Overdue Debts.	R. E. beside Bk. premises.	Mortg's on R. E. sold by Bank.	Bank Premises.	Other Assets.	Total Assets.	Liabilities of Directors & their firms.	Average specie for month.	Average of Dom. Notes dur. month.	Greatest amt'n notes in circ'n dur'g mth
1 Toronto	\$13,747,512				\$ 3,624		\$200,000			\$22,868,415	\$637,400	\$667,100	\$1,137,200	\$2,222,467
2 Commerce	35,969,611	6,010,719	1827,740		328,778	166,502	182,834	1,000,000	1,057,107	69,208,968	770,045	1,833,000	1,533,600	6,642,318
3 Dominion	14,755,839				50,812	44,060	13,371	435,133	12,903	29,511,010	395,000	917,000	1,140,000	2,887,000
4 Ontario	8,988,049				5,697	30,000		125,000		12,592,554	84,784	103,000	381,200	1,261,482
5 Standard	7,492,401				15,225		10,328	100,000	2,466	13,077,804	352,019	201,728	513,240	923,363
6 Imperial	13,407,971				25,133	42,153	79,219	394,404	3,297	25,443,156	126,622	625,954	1,546,691	2,447,126
7 Traders	7,016,136				1,592	11,414		145,000	24,753	12,60,855	164,461	148,100	554,100	1,346,645
8 Hamilton	12,450,984	100,000			51,945	12,056	21,299	412,436	92,622	20,045,582	73,293	267,000	689,500	1,903,000
9 Ottawa	11,862,577				103,018	10,843	31,114	183,997		17,46,218	129,830	461,565	885,986	1,968,711
10 Western	1,911,424	34,476			269	15,122	26,700	12,914	15,389	3,612,744	10,600	25,762	21,631	396,215
11 Sovereign	389,268							13,692	1,400	1,912,524	71,363	2,942	112,686	185,180
Total Ont.	127,981,763	6,145,194	1827,740		585,699	332,190	374,860	3,011,876	1,209,937	227,949,825	2,815,197	4,820,146	6,815,236	21,633,467
12 Montreal	50,763,149	8,652,291	933,726		340,955	27,358	25,000	600,000	108,165	116,294,055	2,677,000	3,498,094	5,177,599	7,116,136
13 B. N. A.	10,496,208	5,679,776	355,218		192,611	24,626	49,473	514,457	6,944,773	38,238,325		933,211	1,251,784	2,716,876
14 Provincial	1,644,789				2,714	23,794	9,682	130,000	138,125	3,354,448		11,583	24,800	804,345
15 D'Hochelega	7,456,093				86,627	55,713	27,967	11,012	89,825	11,691,027	248,388	163,219	556,988	1,509,614
16 Moisons	15,208,074				132,870	110,15	39,555	300,000	12,592	24,161,629	334,368	393,802	905,584	2,452,652
17 Merchants	12,866,720	1,386,875			218,335	16,628	66,347	749,113	142,550	34,314,379	470,792	481,715	1,184,834	3,896,973
18 Nationale	6,720,813				82,789	46,010	7,250	195,501	122,391	8,298,247	472,916	80,600	252,30	1,412,909
19 Quebec	7,357,857	49,386			42,337	57,734	25,895	232,506	50,885	12,484,551	605,625	272,676	529,674	1,560,108
20 Union	10,665,589		98,580		21,660	78,826	30,393	340,225	3,100	13,737,389	762,500	214,166	789,639	1,956,168
21 St. Jean	632,905				39,251	8,573		14,170	10,992	767,445	19,767	6,762	10,550	168,463
22 St. Hyacinthe	1,583,140				12,812	3,210	4,900	19,181	64,805	1,864,089	41,120	13,603	16,001	24,111
23 E. Townships	9,084,914				111,261	23,024	61,278	207,554	57,225	13,248,992	262,266	133,645	148,980	1,510,895
Total Que.	134,479,751	15,768,830	1387,474		1,284,025	487,078	954,663	3,393,719	7,744,912	277,451,716	5,794,672	5,203,056	10,878,937	25,362,942
24 Nova Scotia	8,368,678	2,997,707	123,833		26,786	1,577	3,191	92,215	9,772	27,203,824	289,241	1,294,671	1,594,198	1,981,526
25 Royal of Can	10,373,190	824,620	150,233		35,042	1,213	1,911	71,720	14,926	20,778,433	209,986	613,438	1,012,096	1,984,004
26 People's Bk.	3,568,476				38,690	15,215	51,844	59,689	889	4,446,840	410,790	66,317	170,542	697,344
27 Union	4,491,241		192,258		20,588			52,000		7,180,312	405,671	105,074	348,751	868,800
28 Halifax B. Co	3,790,603				23,871	7,902		2,440	10,000	5,638,733	7,376	71,363	244,400	579,784
29 Yarmouth	716,381				6,938	5,793		8,000		914,118	46,364	26,541	19,509	79,715
30 Exchange	504,728				793			23,327		711,752	24,431	6,122	6,249	95,117
31 Com'l W'nsor	1,911,021				65,237	10,176	9,218	59,606		1,704,548	89,168	29,621	42,845	300,002
Total N. S.	33,214,568	3,822,327	466,374		217,835	40,662	64,253	368,999	35,587	68,573,060	1,463,017	2,213,126	3,438,084	6,585,297
32 N. Brunswick	2,233,923	362,070	254,004		27,459			30,000	5,931	4,521,937	128,371	146,077	486,291	686,291
33 People's	811,666				4,895			13,500		954,275	132,692	5,458	10,785	163,852
34 St. Stephen's	456,152				14,892	50,496		12,000		688,208	53,819	11,270	11,486	136,500
Total N. B.	3,501,751	362,070	254,004		47,046	50,496		55,500	5,931	6,164,420	314,882	162,870	249,908	786,643
35 Mcht., P. E. I.	1,586,514				13,406	395		21,132	15,293	1,737,964	109,462	21,599	31,813	279,842
Gr. Total	300,714,347	26,097,921	8,935,592		2,148,011	890,756	793,776	6,851,226	9,011,960	581,876,985	10,497,230	12,420,737	23,413,978	54,648,261

Return of Canadian Bank of Commerce. Amount under heading "Other assets not included under foregoing heads," includes gold bullion. Return of Bank of British North America. Amount under heading "Other assets not included under foregoing heads," includes bullion. The figures for the Atlin and Dawson City Branches are taken from the last returns received, viz.: Atlin, 17th May, 1902, and Dawson City, 21st June, 1902.

ter, or a steel box stanchion, 15 in. x 18 in. to carry the same load. These columns are also specially recommended as a precaution against damage to the construction of buildings by fire, as, owing to their solid nature, it would be almost an impossibility to heat them sufficiently to affect the stability of the material. The steel used is ordinary mild steel, and is very uniform in its nature. The caps and bases are turned out of solid wrought steel, cast iron or cast steel being entirely unsuitable, and are shrunk on. By this means they become of equal strength to a solid flange, care being taken to provide enough shrinking area. The thickness of cap and base should be about half the diameter of the column. The method of connecting joists or girders to the columns is shown, and it will at once be seen that, though the joint is an exceedingly simple one, it is nevertheless absolutely rigid when completed. The steel in the rolled bars is of such superior quality and so uniform in its nature that it entirely supersedes cast iron, which, as a material for columns is so very unsatisfactory that the increased reliability that can be placed on the solid steel columns makes their use very desirable. It may appear at first sight that hollow columns of steel should be used; but at the present time the steel makers are not prepared to supply these at anything like the cost of solid steel, and if cast steel were used it would cost a sum too high for practical purposes. A solid steel column is theoretically an expensive section to use, but the practical issue is in favor

of them as regards expense. Large quantities of columns are kept in stock in all sizes and lengths, and they can be supplied very quickly to meet any requirements, modern plant and machinery having recently been put down to deal with these columns, which can be supplied almost as cheaply as cast iron columns, and at the same price as steel stanchions, to carry the same weight. Extracts from a Report of Mr. A. T. Walmsley, M.I.C.E., to Messrs. Gordon & Gunton, architects, on the steel work supplied and erected at premises in St. Paul's Churchyard, by Richard Moreland & Son, Limited: "As instructed, I have inspected the steel-work construction already executed at the corner of Cheapside in St. Paul's Churchyard for the rebuilding of these premises, and have also carefully examined all the working drawings prepared by Messrs. Richard Moreland & Son, Limited, in order to investigate the strength of the steel columns and cantilevers for the front of the building. The steel employed is of British manufacture, mainly supplied by the well known Kirkstall Forge Works, where the bars employed are selected uniform in their characteristics and of superior quality. The caps and bases are also of solid steel, and are faced. All solid steel columns extend from the basement to the second floor, and their strength is based upon a printed table of safe loads furnished by Messrs. Moreland's catalogue, which I have checked and found correct for steel of about 27 tons ultimate crushing stress, and a factor of safety of 4, assuming the ends imperfectly fixed.

The strength naturally becomes increased by the fixture contributed at the ends of columns. These solid steel columns lessen the risk of crippling under the influence of destruction by fire. Messrs. Morelands have laid before me such tests of the steel employed as they have been able to have made, and have satisfied me that the metal can sustain a good working stress. The base plates for the columns vary in size, but are ample. I have also made a careful calculation of the cantilevers, and find them to be of ample strength and of ample security. The details furnished by the drawings can be approved, but in discussing the construction adopted by the contractors for this work with their representative, I have pointed out the importance of such careful fitting together of the various parts as Messrs. Richard Moreland & Son are well known to be capable of executing, and which the irregularity of the site, combined with the consequent variation of disposition of material, renders an indispensable consideration in the erection of this building. So far as I have been able to inspect the steel work there is no complaint to raise; but this fact, gratifying as it appears, of course does not relieve them, as contractors, from the responsibility of handing over the job at its completion in a satisfactory condition of workmanship." Write for illustrated catalogue and special terms under preferential tariff to Richard Moreland & Son, Limited, Engineers, Old Street, London, E. C., England. Works: Old Street and Silvertown.



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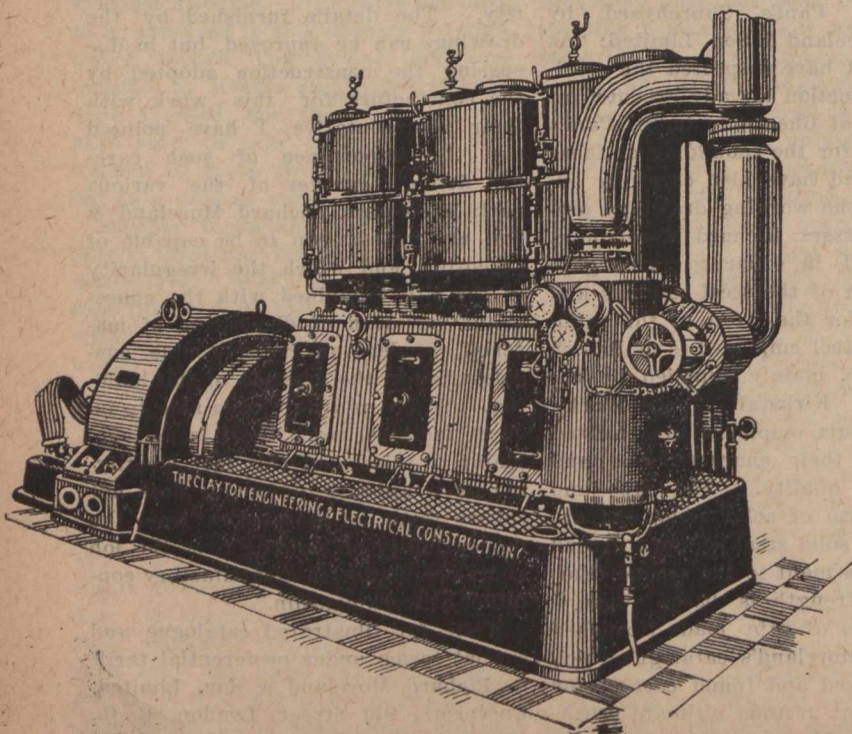
New York Office and Warehouse.

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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. The Steam Car Co., House's System Limited, registered offices: 88 Chancery Lane, London, W.C., Eng. Thus reads an advertisement as it appears weekly in this journal and which is designed to draw the attention of Canadians to the merits of this steam vehicle which is gaining such popularity throughout Europe. Of this

system a circular published by the firm reports as follows: It is our object to put on the market practical English-built light steam cars to carry four people, and vans to carry up to a ton. Substantially built, for durability; simple in construction and easy to manipulate, so that any one may drive; with all working parts covered in to save wear and tear; using heavy oil (kerosene) as fuel, for economy in running, obtainable in any country town, and to avoid danger from explosion and fire. Boiler.—The boilers are constructed so as to be perfectly safe when working at high pressures; easily accessible for cleaning both in-

side and out. The water used in this country is generally hard and full of sediment, so that it is absolutely essential that there should be access to the interior, otherwise the boiler is liable to be burnt out. Engine and driving gear—The engines will indicate 10 h.p.; are of the horizontal type, entirely closed in, with the working parts running in an oil bath; very large wearing surfaces are used, thus reducing the wear and tear to a minimum. The cylinders are compound so as to give the most economical results, but with the use of an intercepting valve both cylinders may be worked high pressure for climbing steep

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gradients. The power is transmitted to the back axle by a steel pinion on the crank shaft running in a bronze gear wheel on the outside of the differential gear case, all running in oil. The cylinder end of the engine is hung to the frame of the car by a double ended ball joint, thus allowing free action of the back axle, while at the same time the machinery mechanically adapts itself to the movement of the axle. Pumps.—There are two pumps worked from the engine with a double ended plunger. They are noiseless and positive in action, one is the main feed water pump, and the other to maintain the air pressure in the oil tank when the car is running. An auxiliary hand feed-pump is provided, by which the boiler can be filled when the car is not running, also a hand air pump fixed to the seat for raising the air pressure in the oil tank when necessary. Burner.—The burner is very simple in construction and can be easily cleaned. Burns ordinary lamp oil (kerosene) with a purple flame, and can be started in five minutes. When steam is up, the fire is automatically regulated by the pressure in the boiler, and can be turned out from the driver's seat. The burner is started by placing a torch saturated with spirit under the generator for a few minutes, then turning the oil on gradually. Tanks.—The fuel tank is made of strong copper, with a capacity of oil for 60 to 80 miles, and is provided with an indicating dial

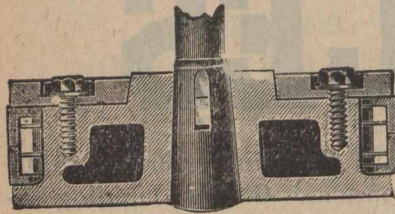
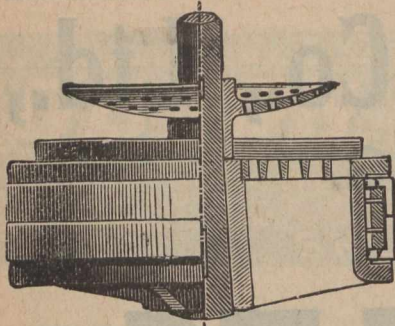
showing the number of gallons in the tank from time to time. The water tank holds sufficient for 30 to 40 miles run, according to the condition of the roads, and has an indicating dial as above. This tank can be filled by a steam injector in about five minutes, a twelve-foot length of hose with strainer is provided for this purpose. Condenser and Exhaust Box. — The steam after leaving the engine, passes into an exhaust box and atmospheric condenser, the steam which is not condensed is then taken into the smoke box (above the boiler), and is dissipated by the heat of the burner, the water having been separated from the steam. Feed Water Heater.—The water from the feed pump is forced through a large coil of copper pipe in the cover of the smoke box, and then into a mud separator, in the boiler; by this means the wasted products of combustion are utilized to raise the temperature of the feed water before going into the boiler. Piping and Connections.—All piping is of solid drawn copper, spring coils being used where required to prevent breaking from vibration. All pipes are connected with our patent union joint, whereby any pipe can be repaired on the road (should it break), without the use of stocks or dies, in a few moments. Body.—The bodies are made of the best material and workmanship, nicely painted and upholstered, provided with mud guards and Deitz lamps. Wheels.—The wheels (Artillery type),

are 30 in. and 36 in. diameter, steel hubs and rims, with oak spokes securely fastened, and are fitted with solid or pneumatic tyres. Steering Gear.—The steering is on the post and lever principle; a post is brought up at the right hand side of the driver, and the car is under most perfect control as far as the steering is concerned. There is little or no pressure on the steering handle, from the fact that the axle bearings are so designed as to take the load direct from the periphery of the steering wheels on to the axle pivot. Breaks. — A powerful brake, operated by the foot, expands two levers (shod with fibre), into a flanged disc fastened to each of the hind wheels; this device holds the car equally either forward or backward. The reversing of the engine also acts as a most powerful brake. The best of material and workmanship is used throughout. All parts are made on the interchangeable system, and numbered for the convenience of our customers should spare parts be required at any time. Write for particulars and special terms to Canadians under new preferential tariff to The Steam Car Company, House's System, Ltd., 88 Chancery Lane, London, W.C., Eng.

### AMBROIN.

Among the various insulating materials which have been placed in the





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in their places. Planing Valve Facings  
by Improved Machinery.

market, Ambroin has, as an electrical insulator, made rapid strides in Europe during the last five or six years, though perhaps it is less known in America. It is extensively used for electrical tramway insulation, for insulating parts of dynamos, motors, switch boards, &c., and is well worth careful consideration by all interested in electrical engineering. Ambroin is a composition of fossil copal and silicates. The silicates are saturated and mixed with the copal by a patent process in such a manner that after being subjected to a very great pressure, an exceedingly strong, firm, and uniform and non-hygroscopic material is produced.

By varying the proportion of the component parts a number of qualities to meet all possible requirements of an insulator are manufactured. Thus qualities can be made to withstand very high electrical pressure, others to withstand arcing, whilst a combination of the two qualities can also be made and is largely used for controller insulation on electric tram cars.

A short summary of the qualities of Ambroin may be of interest: After being subjected to the moulding process Ambroin does not undergo any variation in volume and in consequence the most complicated pieces can be accurately moulded. This is of special importance where the insulation consists of several parts, as all the parts are interchangeable and portions which

are particularly subject to wear and tear can be readily replaced; screws, terminals, &c., can be readily and firmly moulded into the Ambroin, which is a very great advantage for precision work.

Ambroin absorbs no moisture, as it is composed of no materials but such as have been subject to atmospheric changes for centuries, such as mica, copal, &c. There is no rubber or other material in it subject to oxidation. For this reason it is specially suitable for electric overhead line insulation. The material will hold its own and prove superior to any other material supplied for a like purpose. All the bolts supplied insulated with Ambroin for overhead line insulations are tested with 10,000 volts alternating current.

It is mechanically strong, but space does not allow of complete particulars of tests carried out in connection with the material. Such particulars will always be gladly supplied by the manufacturers. An acid proof quality of Ambroin is also manufactured for accumulator boxes, &c.

In Great Britain the material is used in the following towns as overhead tramway insulation: Sheffield, Blackpool, Bradford, Blackburn, Halifax, Newcastle-on-Tyne, Southend-on-Sea, Southampton, Cork, Ayr, Aberdeen, Salford, St. Helens, Wigan, South Lancashire, Oldham, London United Tramways, &c.

Ambroin third rail insulators are in use in the Liverpool Overhead Rail-

way. On the continent of Europe Ambroin insulation is in use in most of the street railways, principal among which is the Groose Berliner Strassenbahn. Insulators of all conceivable sizes and designs have been supplied for switch boards, dynamos, motors, &c., insulation whilst for controller insulation it has been very largely adopted. The insulating material is manufactured by the Ambroin Werke, Berlin, whilst the general representatives for Great Britain and the British Colonies are Estler Bros., 25, Laurence Pountney Lane, Canson street, London, England, who have their own works for the supply of the metal parts used in connection with overhead line insulation.

THE SHREWSBURY & CHALLINER  
TYRE COMPANY, LTD.

The registered offices and works of this well known company are situated in Manchester, England, but they also have establishments in Page street, Westminster, London, and Albion Wheel Works, Valmar Road, Camberwell, London, where the business of wheel making of every description, including artillery wheels and hubs, suitable for use on motor cars, and rubber tyreing is carried on.

The company are noted for their excellent workmanship, and their numerous manufactures cannot be equalled.

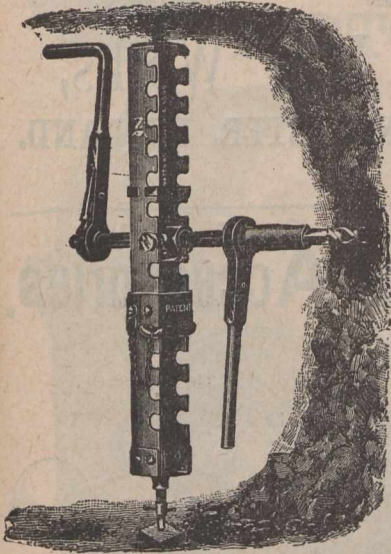


# Matthias Spencer

**& SONS,**

MANUFACTURERS OF

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

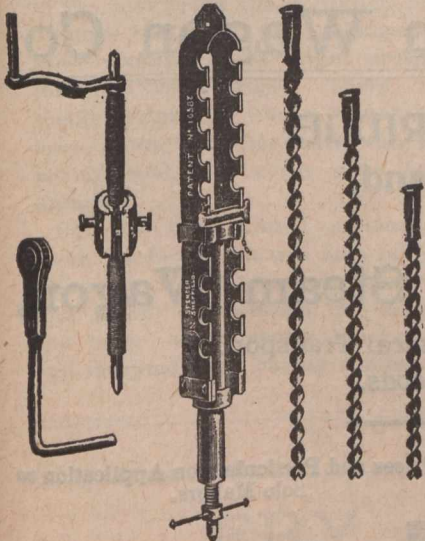


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## MINERS' TOOLS

Of Every Description.

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



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**SPENCER**  
**SHEFFIELD**

GRANTED 1749.

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

Write for Lists.  
Prices on Application.

Amongst them we noticed the "Pioneer Tyre," this is for use when a particularly easy riding tyre is desired. It is equally as comfortable as a pneumatic, without any of the disadvantages, and is manufactured in suitable sizes for carriages and motor cars.

For a solid rubber tyre, the one par excellence is the "Cup Tyre," which can be supplied in almost any size, suitable for very light carriage wheels or of a size which is equal to carrying heavy motor cars, the sizes ranging from 1 1/4 in. to 4 in. tyre. The popularity of this tyre will be evinced by the fact that the Company have supplied some thousands of tons during the last twelve months, and the demand is increasing enormously.

Another tyre which commended itself to our approval was the "King Tyre." This is secured by the two wires running through it, and as only the very best materials are used, it gives universal satisfaction for medium weight carriages, and large numbers are fitted daily.

Unfortunately, we cannot give full details of all the manufactures of this Company, but we must not omit the rubber tyred truck wheels which they supply. Everybody has suffered at some time or other from the noises made by heavy goods being bumped about over their heads, and it is a perfect boon to have found a noiseless truck wheel, in which any ordinary workman can fit new rubber tyres when required, without the slightest difficulty.

One other point this Company appears to study largely, viz.: The comfort of horses, and amongst their many patents they have one for "Rubber Ventilated Cushion Horse Shoe Pads." Most of the pads hitherto used have overheated the foot, causing the action of the animal to be destroyed, but this evil has been effectually overcome by the above named patent, as the pad is ventilated and cooling to the foot, thus keeping it healthy and in good condition. We feel sure that all lovers of horses will be glad to know this, and if they have not already tried these pads, we should recommend them to lose no time in writing for them, as they are a boon to the animals and their owners.

Prices and all information can be obtained from the Company's offices, Kay Street, Ardwick Green, Manchester, Eng., or from either of their London Houses, 24, Page Street, Westminster, S.W., and Albion Wheel Works, Valmar Road, Camberwell, S.E.

### THE FARMER IS PROSPEROUS.

There is now no question as to whether the farmer is prosperous. He admits it himself, and he is usually the last one to see it. Business men, says a Globe correspondent from Sarnia, Ont., say they can remember no better times in the rural districts. Several seasons of good harvests, the substitution of stock raising, dairying and other lines for the former relentless

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Solely by  
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Violin Maker and Repairer,  
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Telegraphic Address:—" DAZZLE, MANCHESTER." A.B.C., Code.

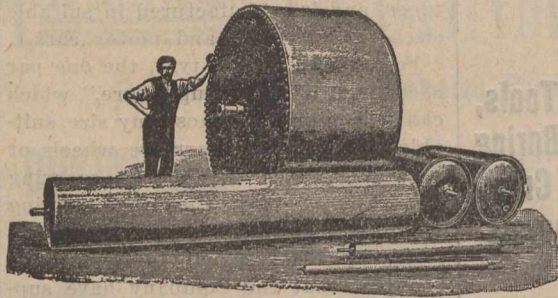
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Successors to

J. S. LEACH & Co., Ltd.

Engineers, Tin and  
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Designers of Special  
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Broughton Bridge Iron Works,  
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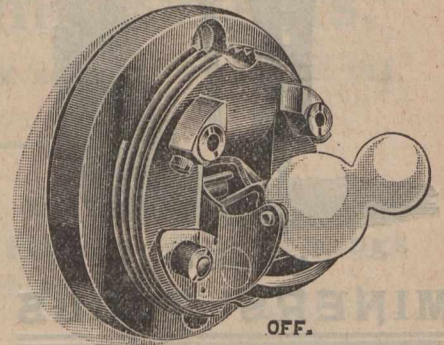
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Long Break and Clearance.

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Telegrams :—MYTHOLM MILL,  
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## Mytholm Steam Wagon Co.

HEBDEN BRIDGE,  
Yorks, England,

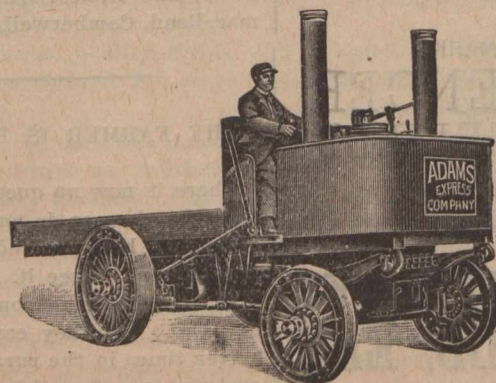
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"Mytholm" Patent Steam Wagon,

For Rapid and Economical Transport  
of Heavy Goods.

Special Features.  
Latest Improvements.

Prices and Particulars on Application to  
Sole Makers.



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ROLLERS cast on most reasonable terms  
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LYE BRUSHES always on hand.

Send for Price List with the opinions of  
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these valuable Compositions & Typewashes  
for over 20 years continuously

WORKS - HIGH COURT LANE, LEEDS

England

pursuit of fall wheat growing, and the possession of better foreign markets, are some of the causes of the welcome change. The rejection of Mr. Carnegies' advice to "put all your eggs in one basket" seems to have been the farmer's wisest step, and now in almost every portion of western Ontario the failure of one crop finds the husbandman with sufficient acreage of another to save himself from disaster. Added to the recent good harvests and better markets have been high prices for farm produce. Wheat has been low compared with former times, but it is now up again. Oats, barley and rye are higher than for years. It is in animals and their products, however, that the greatest change has occurred. Hogs have almost doubled in price in three or four years, and are at high water mark, between six and seven cents, live weight. What this means can partially be realized when one sees shipments of from 100 to 500 hogs per week from every little town or small city in western Ontario. In cattle the same appreciation has occurred with prices up to six and a half and seven cents, live weight. Cheese is selling at nine and ten cents, and



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



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

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MANUFACTURERS OF

**INDIA RUBBER CARRIAGE  
.....AND.....  
MOTOR CAR TYRES** EVERY DESCRIPTION.



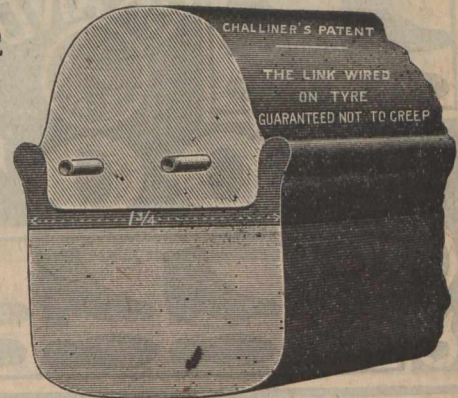
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## CUP TYRE

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

NOTED FOR

**Comfort, Combined with  
Strength and Durability.**



The King of the Wired-on Tyres.

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

WRITE FOR DESCRIPTIVE PRICE LIST.

the export shipments have stiffened the egg market, fifteen cents per doz. in car lots being the quotation in St. Thomas the other day. Alongside of these conditions are bright prospects for this year's crops. There is a smaller acreage of wheat, but what has been sown, together with the oats, barley, and rye, never gave better promise.

Corn has been injured seriously in Kent and Essex, but will be a fair crop elsewhere if the summer keeps dry and warm. Pasturage has been of the best; consequently stock-raisers and dairymen are having a most suc-

cessful year. Bean raising, so popular in southern Kent, has received a setback from wet weather, but sugar beets, in the growing of which a good start has been made in Kent, Lambton, and Waterloo, promise to give an excellent return. Hay is extra heavy, though some difficulty has been experienced and some loss sustained, owing to showery weather. Apples and small fruits are generally bearing heavily, and the root crops promise to be abundant.

Science in Farming.— Summarizing information received from many sources, the mipression grows that

science is beginning to do for farming what it has done in other industries, and is being made use of to an increasing extent. There is a realization, for instance, that one field cannot be cropped forever with wheat, that a rotation of crops is much better, and that the use of by-products of stock raising are even better still. Lucky, therefore, have been the Canadians to have had an illimitable old country market for animal products, a market on which their hold, with one or two exceptions, has been strengthened by the use of care and science in the proper preparation of the prod-

Cable address : "FRIMAIRE, LONDON."

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

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ENGLISH HARDWARE  
CUTLERY GOODS.

SOLE EXPORT AGENTS FOR

Messrs. SHRAGER BROTHERS, Calcutta. HESSIAN CLOTH and JUTE SACKS.

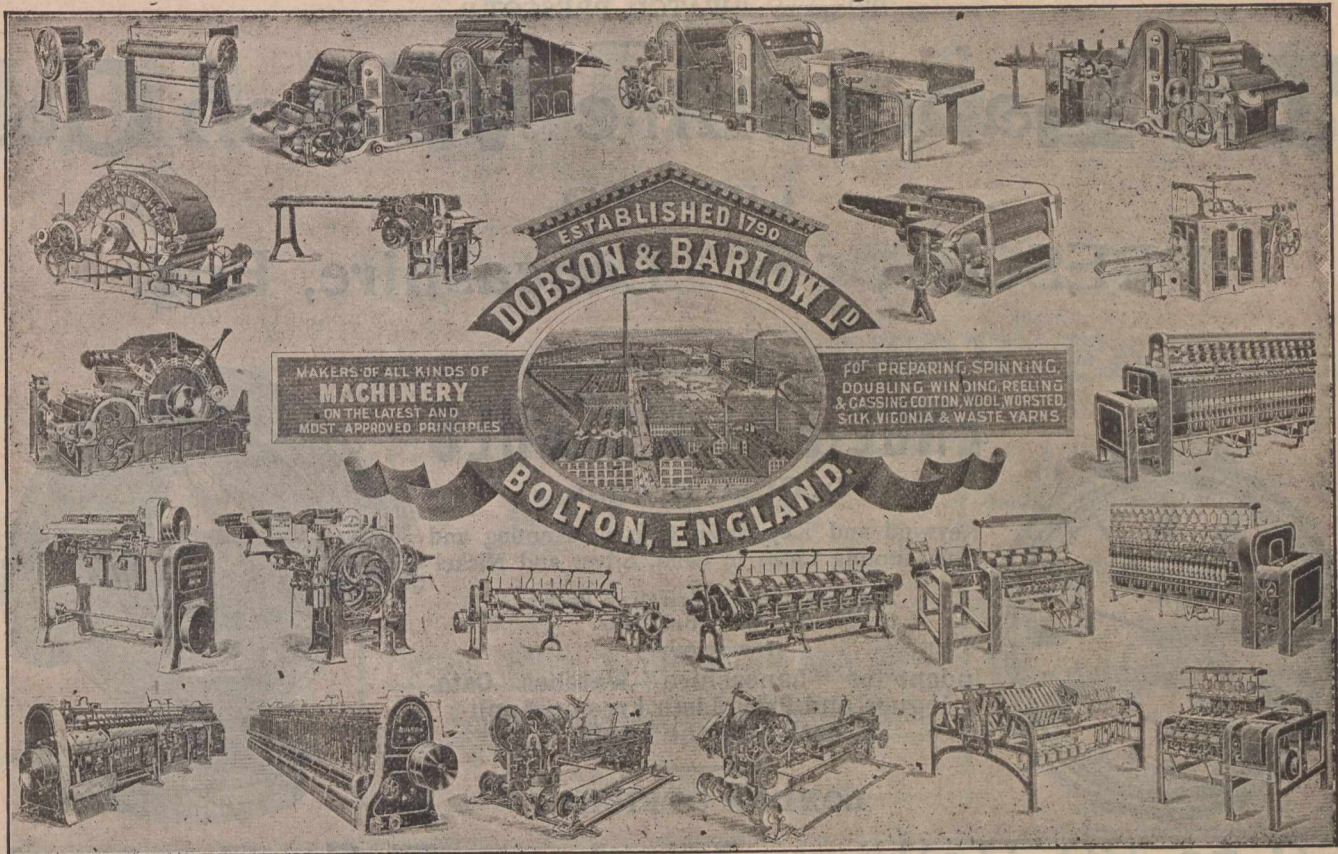
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Correspondence Invited.









Sole representatives in the United States and Canada, Messrs. Stoddard, Haserick, Richards & Co., 152 Congress St., Boston, Mass.

**MONTREAL WHOLESALE PRICES CURRENT**  
 THURSDAY, JULY 24, 1902.

Name of Article.	Wholesale	
	\$ c.	\$ c.
<b>Farm Products.—Con.</b>		
<b>CHEESE:</b>		
Ont. New.....	0 10	0 10½
Eastern.....	0 9½	0 10
<b>Eggs: New laid (shipped).....</b>	0 15	0 15½
Fresh gathered.....	0 00	0 00
Straight fall.....	0 00	0 00
No. 2.....	0 12	0 13½
Maritime Prev.....	0 00	0 00
<b>SENDRIES:—</b>		
Potatoes, per bag of 90 lbs.....	1 00	1 35
Honey, White Clov., Comb.....	0 13	0 14
" Extracted.....	0 07	0 08
Beeswax.....	0 25	0 30
BEANS: prime.....	1 35	1 35
do. Best hand-picked.....	0 00	0 00
<b>Groceries.</b>		
<i>Sugars: Factory.</i>		
Ex Granulated, brls.....	0 00	3 65
Acadia gran'd.....	0 06	3 60
Ex Ground, in brls.....	0 00	4 40
" " in bxs.....	0 00	4 03
Powdered, in brls.....	0 00	4 15
" " boxes.....	0 00	4 30
Paris Lump, in brls.....	0 00	4 40
" " half brls.....	0 00	4 40
" " 100-lb bxs.....	0 00	4 40
" " 50-lb bxs.....	0 00	4 50
Wanted Yellow.....	3 00	3 40
Molasses (Barbados).....	0 23	0 27
do brls. & ¼s.....	0 26	0 30½
Evaporated Apples.....	0 09½	0 11
<i>Raisins:</i>		
Sultanas.....	0 09	0 13
Loose Musc. Malaga.....	0 08½	0 10
Layers, London.....	0 00	1 50
Con. Cluster.....	0 00	2 00
Extra Dessert.....	0 04	2 75
Royal Bucking'm.....	0 00	3 25
Valencia.....	0 05	3 06
" Selected.....	0 06	0 06½
" Layers.....	0 06½	0 07
Currents, Provincials.....	0 05	0 05½
Filatras.....	0 00	0 06
Patras.....	0 00	0 00
Vostizzas.....	0 00	0 07
Prunes, Cal.....	0 07	0 09½
do French.....	0 04	0 06
Figs in bags.....	0 03½	0 00
" new layers.....	0 08	0 13
<b>Rice, C. C.....</b>	0 00	3 10
" standard B.....	0 00	3 00
" Patna.....	4 25	4 75
" Burma.....	4 00	4 10
" Crystal Japan.....	4 50	0 00
" Carolina.....	0 00	5 37½
" Java.....	0 00	2 00
Pot Barley, bag 48 lbs.....	0 03	0 05
Pearl " per lb.....	0 03½	0 04
Tapioca, Pearl.....	0 08	0 08
" Flake.....	0 30	0 35
Corn, 2 lb. tins.....	0 82	0 90
Peas, 2-lb tins.....	3 50	5 00
Salmon, 4 doz. case.....	0 37½	0 35
Tomatoes, 3s. per doz.....	0 50	0 55
String Beans.....	0 50	0 55

coe, ventured the opinion that farmers who did not pay off their mortgages were using the money to better advantage in their occupation, interest being so low and there being many opportunities for the profitable investment of capital in stock and land. Another avenue of expenditure, and this is probably the greatest of all, is the improvement of farm property. Those who frequently travel through the country districts say the amount of improvement going on is astonishing. Barns are being furnished with stables underneath, and windmills installed for power purposes, new houses are being erected, and old ones repaired. The scarcity of farm laborers has been coincident with the introduction of hosts of new implements, and natural pride results in the purchase of more of these, and at more frequent intervals, than the circumstances always justify. In fact, the plausible opportunities for spending money have increased, and many farmers have learned the art, hitherto more common in the cities, of spending all they earn. This is not the case everywhere.

The Farmer Creditor.—St. Thomas, for example, has a large number of loan companies, but, judging from the route the money takes, one would call them rather borrowing companies, so far as the farmer is concerned. Mr. J. W. Stewart, manager of the Southern L. & So. Co., gave it as his judgment that between \$3,000,000 and \$4,000,000 had been paid into banks and loan companies of that city by farmers as deposits or in the purchase of debentures. Fences are being rebuilt, the scarcity of wood compelling the substitution of the more tasty wire—plain wire, not the barb variety, whose day is past—for the old "snake" rail fences. The stump fence, so common

**MONTREAL WHOLESALE PRICES CURRENT.**  
 THURSDAY, JULY 24, 1902.

Name of Article.	Wholesale	
	\$ c.	\$ c.
<b>Hardware.</b>		
<b>Antimony.....</b>	0 09½	0 10
<b>Tin, Block, L &amp; F, # B.....</b>	0 00	0 34
" " Straits.....	0 00	0 00
" " Strip.....	0 00	0 33
<b>Copper: Ingot.....</b>	0 00	0 00
<b>CUT NAIL SCHEDULE.</b>		
Base Price, per Keg, car lots.....	2 37½	0 00
Less quantity.....	2 45	0 00
Extras—Over and above 30d., 40d., 50d., 60d and 70d Nails.....		
Cut and Fence Nails—		
16 and 20d Hot Cut, per 100 lbs.....	0 05	0 00
10 and 12d ".....	0 10	0 00
8 and 9d ".....	0 15	0 00
6 and 7d ".....	0 30	0 00
4 and 5d ".....	0 40	0 00
3d ".....	0 65	0 00
2d ".....	1 00	0 00
Cut spikes 10c, per Keg advance.....		
Fine blued nails—		
3d per 100 lbs.....	1 00	0 00
2d ".....	1 50	0 00
Casing, Box, Tobacco Box and Flooring Nails—		
30 to 30d per 100 lbs.....	0 55	0 00
10 to 16d ".....	0 60	0 00
8 and 9d ".....	0 65	0 00
6 and 7d ".....	0 70	0 00
4 and 5d ".....	0 95	0 00
3d ".....	1 20	0 00
Finishing nails—		
3 inch and longer per 100 lbs.....	0 60	0 00
2½ and 2¼ inch.....	0 65	0 00
2 and 1½ ".....	0 70	0 00
1½ and 1¼ ".....	0 95	0 00
1¼ ".....	1 20	0 00
1 ".....	1 50	0 00
Slatting nails—		
1½ and 1¼ inch per 100 lbs.....	0 95	0 00
1¼ ".....	1 20	0 00
1 ".....	1 50	0 00
Common barrel nails—		
1½ inch per 100 lbs.....	1 00	0 00
1 ".....	1 00	0 00
¾ ".....	1 25	0 00
½ ".....	1 50	0 00
6 inch nails—		
3 inch and longer per 100 lbs.....	0 60	0 00
2½ and 2¼ inch.....	0 65	0 00
2 and 1½ inch.....	0 70	0 00
1½ and 1¼ ".....	0 95	0 00
1¼ ".....	1 20	0 00
1 ".....	1 50	0 00
Sharp and flat pressed nails		
3 inch and longer per 100 lbs.....	1 35	0 00
2½ and 2¼ inch.....	1 50	0 00
2 and 1½ inch.....	1 65	0 00
1½ and 1¼ ".....	1 85	0 00
1¼ ".....	2 50	0 00
1 ".....	3 00	0 00
<b>Coil Chain—No. 6.....</b>	0 11	0 00
" " 5.....	0 10	0 00
" " 4.....	0 09	0 00
" " 3.....	0 09	0 00
½ inch.....	0 07½	0 00
5-16.....	4 25	0 00
7-16.....	4 50	0 00



Telegrams: "WATCH, PRESCOT."

# The Lancashire Watch Co.

LIMITED.

PRESCOT, Lancashire, Eng.

The Largest Manufacturers of

## ENGLISH WATCHES

In Great Britain.

Keywind and Keyless in Crystal, Hunting and Half-Hunting Cases in Gold, Silver and Nickel

SPECIALITIES FOR THE CAPE TRADE.  
SPECIAL TERMS TO SHIPPERS.

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AGENTS FOR CANADA:

Messrs. ELLIS & Co., King St. West, TORONTO, Ont.

**MONTREAL WHOLESALE PRICES CURRENT**  
THURSDAY, JULY 24, 1902.

Name of Article.	Wholesale.	
	\$	c
<b>Hardware.—Con.</b>		
Coil Chain—No. ¼	2 85	0 00
9-16	3 75	0 00
¾	3 65	0 00
½	3 76	0 00
¼ & 1 in.	3 60	0 00
<b>Galvanized Staples—</b>		
100 lb. box, 1¼ to 1½	3 25	0 00
Bright, 1¼ to 1½	2 90	0 00
<b>Galvanized Iron:</b>		
Queen's Head, } gauge 28	4 40	4 65
or equal. .... }		
Comet do 28 gauge	4 19	4 35
<b>Iron Horse Shoes:</b>		
No. 3 and larger	0 00	3 35
No. 1 and smaller	0 00	3 60
<b>Bar Iron, per 100 lbs.</b>	1 90	1 95
Car lots	0 00	0 00
Norway, base	0 00	4 25
Am. Sh. St'l, 6 ft. x 2½ ft., 18	0 00	3 20
" " " 20	0 00	3 30
" " " 22	0 00	3 30
" " " 24	0 00	3 40
" " " 26	0 00	3 50
" " " 28	0 00	2 10
<b>Hoop plates, iron, ¼ in.</b>	0 00	2 10
" " " 3-16 in.	0 00	2 10
<b>Hoop Iron, base for 2 in. and larger</b>	0 00	2 90
<b>Band Canadian, 1 to 6 in. 30c; over base of ordinary iron, smaller size Extras.</b>		
<b>Canada Plates:</b>		
Full Polish	4 00	
Ord. 53 sheets	2 65	
" 60 do	2 70	
" 75 do	2 75	
<b>Black Iron pipe. ½ in.</b>	2 22	
1 in.	2 45	
¾ in.	2 65	
¾ in.	3 40	
1 in.	4 60	
1¼ in.	6 80	
1½ 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 80	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	
<b>Tin Plates:</b>		
10 Coles, 14 x 20	4 25	
10 Oharcoal, 14 x 20	4 50	
10 Oharcoal	6 50	
10 "	6 50	

with the pioneers, is now rarely seen. These improvements are made with a double purpose, first, to beautify the farm and add to home comforts and, secondly, to add to the value of the farm.

One more item of expenditure is also the increased cost of education for sons and daughters. This advantage is now obtained without the hardship it involved when money was less plentiful. The farmer, however limited his own education may be, is anxious to give his children a fair start in life, and the high schools, and, to a large extent, the universities, are filled with boys and girls from the farm. There is also to be noted a greatly increased attendance at the Ontario Agricultural College, showing the tendency toward a scientific education for the farm. In this connection regret was expressed by one observer that more attention was not paid by public school teachers to nature study and the noble aspects of country life. For the girls a musical education is more than ever insisted upon. But discussion of home life, must be left to a future article.

### THREE CHANCES IN ONE HUNDRED.

Statistics show that only three persons out of every one hundred who reach old age are independent, financially. That is to say, ninety-seven out

**MONTREAL WHOLESALE PRICES CURRENT.**  
THURSDAY, JULY 24, 1902.

Name of Article.	Wholesale.	
	\$	c
<b>Terne Plate IC, 20x28</b>	7 50	0 00
<b>Russ. Sheet Iron</b>	0 10	0 00
<b>Lion &amp; Crown tin'd sh'ts.</b>		
22 and 24 gauge case lots	0 00	7 75
26 gauge	0 00	7 75
<b>Lead: Pig, per 100 lbs;</b>	3 25	3 35
Sheet, .....	0 00	0 04½
Shot, 100 lb., less 2½ p.c.	0 00	6 50
Lead Pipe, per 100 lbs.	7 00	0 00
		less 37½ p.c.
<b>Zinc:</b>		
Spelter, per 100 lbs.	0 00	5 25
Sheet, Zinc "	5 75	6 00
<b>Black Sheet Iron.</b>		
Per 100 lbs.		
8 to 16 gauge	2 45	0 00
18 to 20 do	2 40	0 00
22 to 24 do	2 45	0 00
26 do	2 50	0 00
28 do	2 55	0 00
<b>Wire:</b>		
Plain galv'd, No. 5	3 95	0 00
do do No. 5, 7, 8	3 45	0 00
do do No. 9	2 80	0 00
do do No. 10	3 55	0 00
do do No. 11	3 65	0 00
do do No. 12	2 95	0 00
do do No. 13	3 05	0 00
do do No. 14	4 05	0 00
do do No. 15	4 55	0 00
do do No. 16	4 80	0 00
<b>Barbed Wire—</b>		
Spring Wire per 100, 1.25	3 00	f.o.b.
net extra.		Montreal,
<b>Iron and Steel Wire pl'n</b>		
8 to 9	2 80	base.
<b>Rope.</b>		
Steel, base	0 00	
" 7-16 and up	0 12½	
" ¾	0 13	
" 5-16 "	0 13½	
" ¾ "	0 13½	
" 3-16 "	0 14	
<b>M Manila, 7-16 &amp; lgr.</b>	0 15	
" ¾ "	0 15½	
" 5-16 "	0 16	
" ¾ "	0 16	
" 3-16 "	0 16½	
Lath yarn	0 11	



Telegraphic Address :—Musgrave, Bolton, England.

# JOHN MUSGRAVE & SONS,

LIMITED,

Globe Iron Works,

BOLTON, England.

Makers of all classes of  
**BOILERS,**

Up to 300 lbs. pressure  
per square inch.

Musgrave's Patent  
**SUPERHEATERS.**

## Horizontal and Vertical ENGINES

Of Designs to Suit Purchasers for

Cotton Mills, Rolling Mills and Elec-  
tric Light Stations, Winding Engines,  
Mill Gearing and Cranes . . . .

Over....

**70,000**

I. H. P. Supplied for  
Electrical Purposes  
alone.

**MONTREAL WHOLESALE PRICES CURRENT.**  
THURSDAY, JULY 24, 1902.

Name of Article.	Wholesale.	
	\$ c.	\$ c.
<b>Wire Nails.</b>		
Base Price carload.....	2 50	
Less than ".....	2 55	
2d extra.....	1 00	
2d f.....	1 00	
3d.....	0 65	
4d and 5d.....	0 40	
6d and 7d.....	0 30	
8d and 9d.....	0 15	
10d and 12d.....	0 10	
16d and 20d.....	0 05	
30d to 60d.....	Base	
<b>Building Paper.</b>		
Dry Sheeting (roll).....	0 35	0 00
Tarred ".....	0 45	0 00
<b>Hides and Tallow</b>		
Montreal Green Hides		
" No. 1.....	0 09	0 00
" No. 2.....	0 08	0 00
" No. 3.....	0 07	0 00
Tanners pay \$1 extra for sorted cured & inspect'd Sheepskins.....	0 00	0 00
Clips.....	0 00	0 30
Lambskins each.....	0 00	0 12
Calfskins, No. 1.....	0 00	0 10
" No. 2.....	0 00	0 10
Horsehides.....	1 50	2 00
<b>Leather</b>		
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 36
Kip Skins, French.....	0 60	0 65
English.....	0 45	0 55
Canada Kip.....	0 50	0 60
Hemlock Calf.....	0 50	0 60
Light.....	0 35	1 10
French Calf.....	0 22	0 25
Splits, light and medium.....	0 17	0 20
" heavy.....	0 18	0 20
" small.....	0 06	0 10
Leather Board, Canada.....	0 16	0 18
Enamelled Cow, per ft.....	0 12	0 14
Pebble Grain.....	0 12	0 13
Grove Grain.....	0 15	0 20
B. Calf.....	0 11	0 13
Brush (Cow) Kid.....	0 13	0 16
Buf.....	0 35	0 40
Russsets, light.....	0 25	0 30
" heavy.....	0 35	0 40
" No. 2.....	7 50	9 00
" Saddlers' doz.....	0 65	0 75
Int. French Calf.....	0 30	0 35
English Oak lb.....	0 38	0 43
Dongola, extra.....	0 20	0 22
" No. 1.....	0 14	0 16
" ordinary.....	0 13	0 16
Colored Pebbles.....	0 16	0 20
" Calf.....		

of every one hundred persons who become old are dependent upon others for what they eat and drink and wear, and for the roof which shelters them. This is a startling statement, says a writer in Facts, but it is true, and may be verified by any one who will take the trouble to look around him. This condition ought not to exist, and would not, were there fewer young men imbued with that false feeling of independence, which is responsible for so many of the mistakes of the youth or our land. "Do I need a guardian for my funds?" "Life insurance may be a good thing for the man who can't take care of his money, but I am not in that class," and so on, until the changes have been rung upon these expressions a thousand times and the man who knew so much when he was young and running over with self-confidence, begins to grow old. Then he finds to his surprise that he is one of the ninety-seven poor, instead of the three rich; that he has not been more skillful in loaning money, or in buying farms or speculating, or in farming, or in other lines of business, than the great majority of men, and if he has ordinary gumption, he will begin to wonder if it would not have been better for him had he taken the advice of that insurance agent, and put some of his money where it would be safe until he needed it, and, in the meantime, give his family something to live on, in case of his death. Young man, don't wait until you find the money to pay a first life insurance premium; but begin putting aside the money, until you have that first premium, and then take a life insurance policy. It will prove a habit that once started will continue to grow on you, and if you live long enough, may save you the humiliation of being dependent upon some one else in your old age.

**MONTREAL WHOLESALE PRICE CURRENT**  
THURSDAY, JULY 24, 1902.

Name of Article.	Wholesale.	
	\$ c.	\$ c.
<b>Oils</b>		
Cod Oil.....	0 85	0 40
S. R. Pale Seal.....	0 50	0 52
Straw Seal.....	0 40	0 50
Cod Liver Oil, Nfd. Norw.....		
Process.....	1 40	1 60
" " Nerwegian.....	2 00	2 25
Castor Oil.....	0 09	0 10
Castor Oil brls.....	0 00	0 09
Lard Oil, Extra.....	0 75	0 85
".....	0 65	0 75
Linseed, raw, nett.....	0 79	0 80
" boiled, nett.....	0 82	0 83
Olive, pure.....	1 05	1 15
Extra, qt., per case.....	0 00	3 70
Turpentine, nett.....	0 69	0 70
<b>Petroleum:</b>		
Benzine.....	0 20	0 30
<b>Glass.</b>		
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
<b>Paints, &amp;c.</b>		
Lead pure 50 to 100 lb. kgs.....	0 00	5 87
do No. 1.....	0 00	5 50
do No. 2.....	0 08	5 12
do No. 3.....	0 02	4 75
do No. 4.....	0 00	4 62
White Lead dry.....	5 50	5 50
Red Lead.....	5 00	5 50
Venetian Red Eng'h.....	1 75	2 00
Yel. Ochre, French.....	1 50	3 25
Whiting, ordinary.....	0 45	0 50
do Gilders.....	0 50	0 70
do Paris, do.....	0 85	1 00
English Cement, cask.....	2 15	2 25
Belgian do.....	1 65	1 90
German do.....	2 25	2 45
American do.....	2 00	2 40
Fire Bricks per 1000.....	16 00	22 00
Fire Clay.....	1 50	1 75
Rosin.....	2 75	5 50
<b>Gins:</b>		
Domestic Broken Sheet.....	0 13	0 15
French Casks.....	0 11	0 13
do bris.....	0 00	0 14
American White, bris.....	0 16	0 20
Ocovees' Gins.....	0 20	0 25
Brunswick Green.....	0 04	0 10
French Imperial Green.....	0 12	0 18
No. 1 Furnit's Varn'h, pr. gl.....	0 65	0 70
do do.....	0 75	1 00
Brown Japan.....	0 60	0 75
Black Japan.....	0 60	0 75
Orange Shellac, No. 1.....	2 00	2 25
do do Pure.....	2 25	2 75
White do.....	2 75	3 00
Patty Bulk 100 lb. brl.....	0 00	2 00
Parisgreen in drum 1 lb pk.....	0 18	0 19
Kalsomine, 5 lb pkgs.....	0 00	0 03
<b>Wool.</b>		
Canadian Washed.....	0 12	0 13
North West.....	0 13	0 15
Unwashed.....	0 09	0 00
B. A. Soured.....	0 34	0 35
Natal.....	0 16	0 17
Cape, greasy.....	0 16	0 17
Australian greasy.....	0 16	0 20



# EDGAR ALLEN & CO., LTD.,

Imperial Steel Works,  
SHEFFIELD, Eng.

SOLE MANUFACTURERS OF

TRADE MARK, - GRANTED 1885.

ALLEN'S

AIR-HARDENING

## HIGH SPEED TOOL STEEL.

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

CORRESPONDENCE INVITED.

## A STORE HOME.

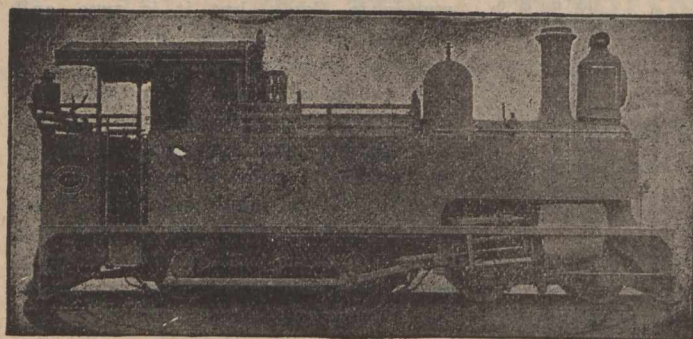
At a retailers' convention in one of the states of the union some time ago, a retailer read a paper on "Retailing as Compared with Twenty Years Ago." A portion of his address is given here-with: "I have found that nearly all people like to have one certain place where they do their trading, and this is just as much so now as it was twenty years ago. I believe it should be the purpose of a merchant to make a customer believe that his store is his customer's home place of trading. It is difficult of course to make a store look as a customer's own house, but this should be approximated as much as possible. If this is done then the customer will do the advertising. I have found, during my score of years' trading, that it pays to treat all classes alike. One of the experiences which is most vivid to me is that concerning the children. I have had a number of grown up people say to me: 'You gave me candy when I was a child.' It is a big item to have such a remark made to you if you are still in business. These grown up people are in need of even more merchandise than their parents, though they do not have homes themselves, for they require more wearing apparel than do their parents. I believe that too many merchants are not

THE

Telegrams: "ENGINE, LEEDS.

## Hunslet Engine Company,

LEEDS, Eng.



Locomotive  
Tank Engines  
of all descriptions  
and any size, for

Ironworks, Col-  
lieries, Contrac-  
tors, Docks,  
Manufactories,  
Branch Railways,  
&c., &c.

Specially designed  
for any circumstan-  
ces, or to suit any  
Gauge of Railway.

Arrangements  
Made for Hire.  
On Purchasing Lease  
or otherwise.

Special prices to Canadians under the New Canadian Tariff.

honest with themselves when they are keeping stock or invoicing. I have found, during my experience, that it pays to clean up odds and ends. A stock is poisoned by odds and ends as it is in no other way. The merchant should be perfectly clear on this subject and as soon as he sees odds and ends he ought to throw them out

as remnants. Moreover, he should be honest with himself when he is invoicing old stock and not invoice it at what it costs him, but at selling prices. A merchant should be careful, I have found, to have charge of his special sales himself, or give them in charge of some one who thoroughly understands the situation. The

## *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, 33½ per cent. in favour of the English makers.



ESTD 1865  
TELEPHONE 999  
Chambers Bros.  
EFFINGHAM MILLS  
SHEFFIELD, ENG.  
STEEL MOULDERS' COMPOSITION  
SPECIAL PAINT FOR THE SURFACE OF MOULDS, GROUND GANISTER  
PATENT NON-CONDUCTING CEMENT FOR STEAM PIPES & BOILERS  
GROUND MORTAR &c.

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,

great danger is for merchants to advertise and not to fulfil what they advertise. If merchandise doesn't go it is dead merchandise and quite a good deal of one's capital is tied up and lies idle for dead stock. It is a great deal better to realize fifty cents on the dollar than nothing. I have always conducted a credit business, and have had as high as \$3,000 on my books at times. I always had it understood that when a certain time came if the account had not been settled I was to have a note. This has always been my practice to secure my book accounts. If their note was not good I insisted on them securing it and when the note became due I have always looked after it myself. I have found it difficult to get interest on an open account, but a note will always get interest. The interest on notes pays the interest on the money in the open accounts. I believe every merchant should protect himself in this way. I believe a merchant should cultivate the qualities of a good collector if he is going to do a credit business, that this matter of collecting should be done by himself. I have always found that I could collect an account better than anyone else. Discretion must be exercised in the matter of collections if in any department of one's business. My experience teaches that a merchant should at all times maintain a high standard for honesty, both with the customers and with the firms with which he deals. Moreover, I believe the merchant should educate his clerks to deal honourably with his trade. My experience has been that it is advisable to make everything right with your customer. During these twenty years of merchandising I have witnessed the entrance of the catalogue house and I have adhered to the practice which I have found most profitable. That is to say nothing about my competitor, either local or otherwise. I believe a certain class of trade will always patronize the large mail order houses and I do not propose to advertise these houses by

talking about them. When hard times come I use the opportunity thus afforded me to suggest that those patrons of the catalogue houses will ask them for credit. I do not hesitate to give my own people credit at these times as the jobbers do their customers."

#### PETROLEUM FOR STEAMSHIPS.

An expenditure of some \$20,000 is now being made by the Navy Department in experiments to determine the value of petroleum for fuel on war ships. Tests of oils and of burners, says the Paint, Oil and Drug Review, are being made at Washington, and it has been found that when a forced air draft of one inch was used the oil gave results about 33 per cent. better than the best Pocahontas coal. The oil tests were of the same duration and character as those which were conducted with several grades of coal recently, and in this way a comparative test of relative values will be obtained with complete data as to temperature and quantities of oil and water. It was particularly noticeable that uniform results were obtained. The data was taken at different periods, and the evaporation was regular throughout the test.

It is proposed to conduct a test with two inches and another with three inches of forced draft, as well as a series of tests with natural draft. In the first tests compressed air was used for atomizing the oil. As soon as the series of tests with compressed air as the atomizing agent is completed another series will be started where a steam jet is used for spraying purposes.

Individual inventors will be permitted to submit their patented appliances and attach them. Applications have been received from all parts of the country for this privilege. On account of the great number of persons applying, and as there are thousands of patented burners in use, the de-

## "PIONEER" GOLDEN FLAKE CAVENDISH TOBACCO.

MADE IN LIVERPOOL, ENGLAND.

TRADE PRICE:

1/2 lb. tins.....	\$1.20
3/4 lb. tins.....	\$1.25
1/2 lb. package.....	\$1.30
1-16 lb. package.....	\$1.30

Per lb.

"Order direct or through your jobber."

Manufactured by The  
Richmond Cavendish Co., Ltd.,  
Liverpool, England.

Special prices to Canadians under the new Tariff.

## AGENCY WANTED.

To Pork Packers & Lard Refiners.

Provision Merchants in Liverpool, are open for agency in HOG PRODUCTS, or will receive Canadian Cheese on consignment. Well represented through England and Ireland, address "PORK," care

LEE & NIGHTINGALE,  
LIVERPOOL, Eng.

ARTHUR GAGNON  
Manager Estate  
Hon. Jean L. Beaudry

L. A. CARON  
Auditor Town of Mais-  
saneuve and of la Cham-  
bre de Commerce du  
District de Montreal.

GAGNON & CARON,  
Rooms 41 & 42 Montreal St. Ry. Bldg., Montreal.  
Accountants, Curators, Liquidators and  
Commissioners, S. O. Bell Tel. Main 515.

## WANTED.

Active Agents wanted in every town and village in Canada, apply "Agent," JOURNAL OF COMMERCE, Montreal.



ESTABLISHED 1851.

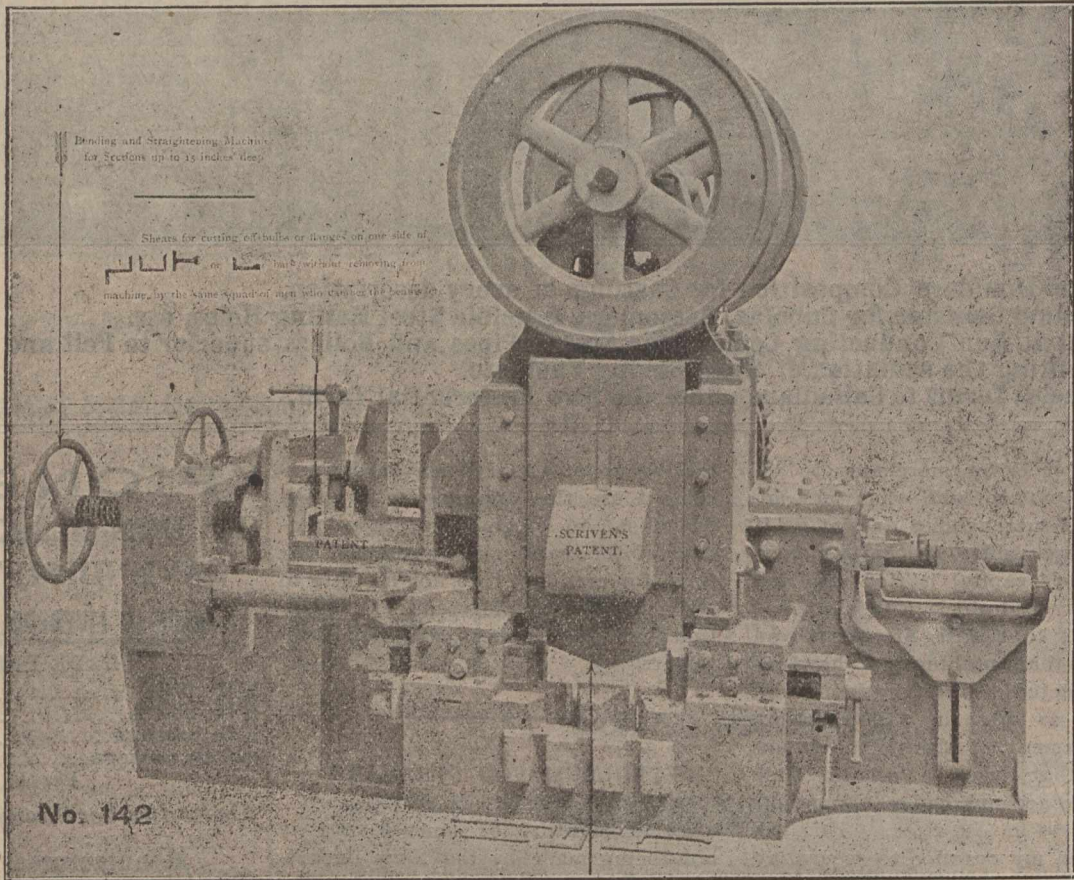
Tel. Address: "SCRIVEN, LEEDS."

# SCRIVEN & Co.,

LEEDS.  
ENG.

Machine Tools and Hydraulic Machinery,

For ENGINEERS, SHIPBUILDERS, BOILER MAKERS and BRIDGE BUILDERS



**PATENT COMBINED MACHINE for Shearing either Right or Left Hand without changing a knife Also for Bending Beams and Shearing one side off the Bulb for riveting knees to, and Horizontal Punch.**

Patent Angle-Bar Planing Machine. Patent Edge and Butt-Plate Edge Planing Machine. Scriven's Vertical Plate Bending Machine, with Bend Plates to end without flat.

GOVERNMENT CONTRACTORS.

GIRDERS, BRIDGES, ROOFS,  
STAGES, WROG. IRON  
AND STEEL  
PIPES.  
HAY AND  
CORN  
SHEDS.

IRON BUILDINGS, FLOORING  
BUILDERS IRON  
AND STEEL  
WORK,  
PIERS,  
BARGES,  
TANKS.

**FRANCIS MORTON & CO. LTD.**

HAMILTON IRON WORKS  
**GARSTON NEAR LIVERPOOL.**

AREA 10 1/2 ACRES.

RICK  
COVERS,  
GRANARIES,  
WIRAILINGS,  
GATES, WIRE  
AND UNCLIMBABLE  
FENCING OF ALL  
DESCRIPTIONS.

PETROLEUM  
TANK.

G.I. TANK.

LONDON OFFICE  
VICTORIA STREET  
WESTMINSTER S.W.

CAPACITY OF OUTPUT  
30,000 TONS ANNUALLY.

LIGHT  
& HEAVY  
CASTINGS  
BLAST  
FURNACE CASINGS.  
HOT BLAST STOVES,  
VALVES & RADIAL DRILLS.

partment will compel the inventors to attach their special burners without expense to the government.

At the same time that experiments are being made by our Government we learn that the Norwegian navy also is experimenting along this line. On the success of these tests depends largely the general adoption of oil as fuel by the navies of the world. Over 90 per cent. of the petroleum now imported into Norway comes from the United States.

As to the superiority of oil as fuel on ocean-going steamships there can be no question. It has been repeatedly demonstrated to be better and cheaper than coal and in every way more desirable. One of the most conspicuous instances of oil adaptation is that of the steamer Mariposa of the Oceanic Steamship Company's coast fleet, which is one of the largest and finest vessels entering the port of San Francisco.

The Mariposa has been especially fitted up to ply between San Francisco and Tahiti and return, a distance of 7,316 nautical miles. As there is no fuel oil at present at Tahiti, it is necessary to carry 6,500 barrels of fuel supply for the round trip. This



Tel. Address, "Abbey," Accrington.

Established over 50 years.

# James Walmsley & Sons,

Accrington, Eng.

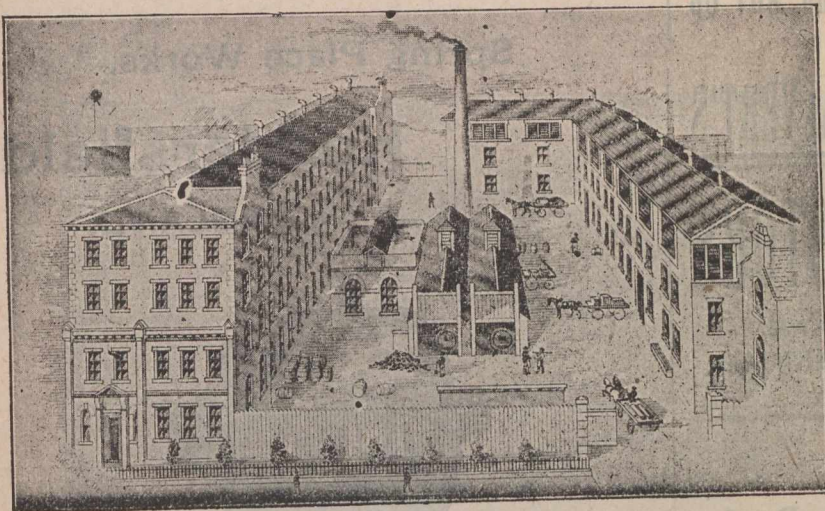
**Leather Curriers,  
Strapping Manufacturers  
and Mill Furnishers.**

SPECIALITIES:

**SINGLE & DOUBLE BELTING**

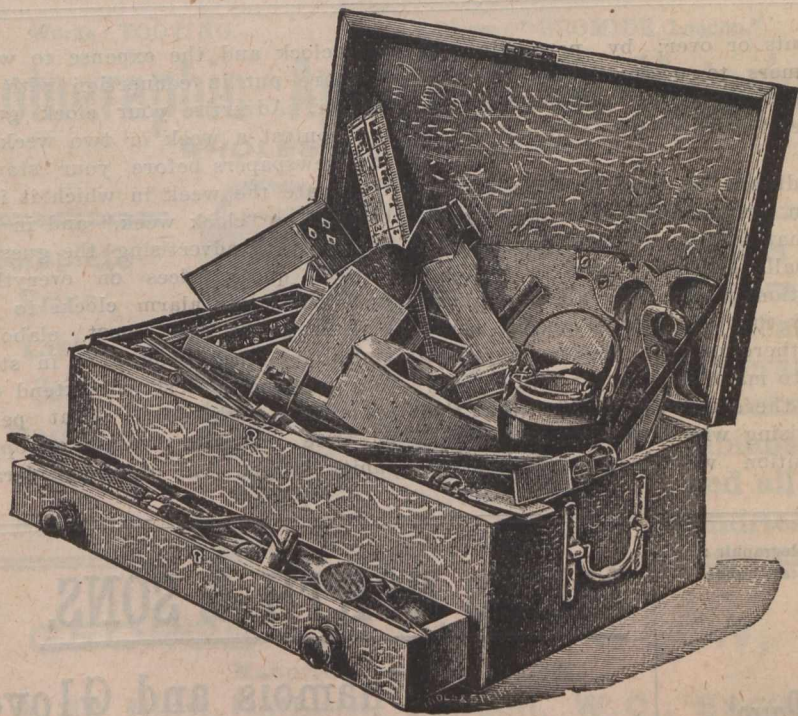
Any Width or Strength, made on our own Improved Principle, whereby Stretching is almost impossible.

Roller Skins, Picking Bands, Green and Oak Tanned; Leather Pickers, Laces, Buffalo Skips, Buffalo Pickers and all other kinds of Leather Goods used in the Spinning and Manufacturing of Cotton, Woollen, Silk or Jute.



# James Needham

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



**CITY OAK WORKS,  
BROWN ST.  
And SHOREHAM ST.,  
SHEFFIELD,  
ENGLAND.**

oil is carried in six compartments, in very strongly braced steel bulkheads, which extend right across the ship; a fore-and-aft bulkhead dividing them amidships. At each end of the fuel oil tanks a water-tight coffer dam of two frame spaces has been fitted, so as to obviate any possible risk of oil leaking into the ship's bilges or freight spaces. An expansion trunk has been fitted to each compartment, so as to allow for any increase in bulk of the oil, due to the variation of temperature during the ship's voyage through the tropics. A very efficient system of ventilation has been fitted to every compartment where oil is carried, and no one aboard could detect the odor of oil in any part of the ship. The trial trip of this steamship, which was made July 5 off San Francisco harbor, demonstrated that the substitution of oil for coal as fuel, will result in a great saving, not only in the cost of the fuel, but in the labor employed.

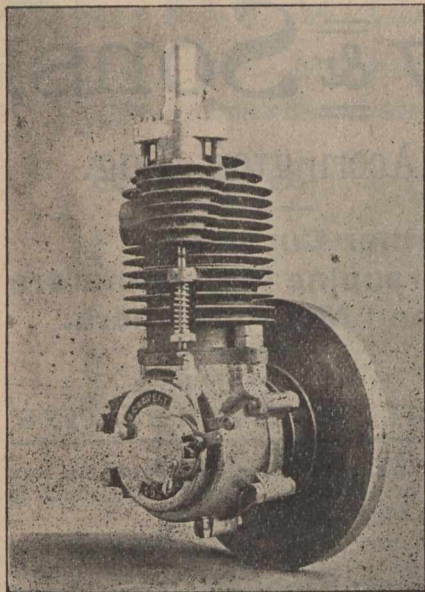
### A GUESSING CONTEST.

Here is a new idea with which you can call attention to your clock department, Mr. Merchant, and also attract a crowd to the store, says The Commercial Bulletin of Minneapolis. Did you ever try a clock guessing contest? Probably not, never heard of

**TAYLOR & WATKINSON,  
Machine Cast and Planed Printers' Leads.  
Peter's Yard, Kirkgate, Leeds, Eng.**



## For • Motor • Cycles



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

**CALVERT'S**  
**MOTORS**

ARE  
ESSENTIAL.

WORKS AND OFFICES:

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

Specially made for Canadians under the  
New Preferential Tariff.

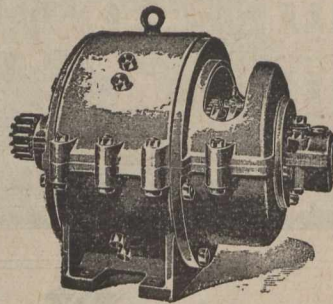
## ALFRED SYKES,

**ELECTRICAL  
ENGINEER,**

Spring Place Works,

**Huddersfield,**

**ENGLAND.**



Note—Buy British Dynamos, under the New Canadian Pre-  
ferential Tariff, 33½ in favour of English Goods.

it; It can be worked very successful-  
ly. Secure an eight day clock or a  
twenty-four hour clock, worth from \$5  
to \$15, and give it away to the one  
making the nearest guess to the time  
when it will run down. Better place  
it in a window where it will be certain  
to attract attention, and label it with  
a neat card: "Clock Guessing Contest.  
This eight day clock was wound up at  
noon, July 4, and will be given to the  
customer guessing nearest to the time  
when it runs down." You can make  
this clock guessing contest a profitable  
investment by permitting only those  
to guess who buy goods amounting to

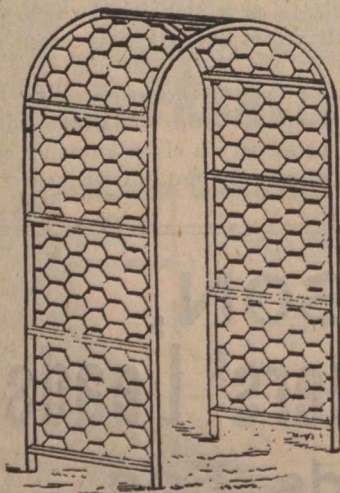
10 cents or over; by permitting all  
customers to guess with every 10 cents'  
worth bought, or by making the  
guesses free to all who will call at the  
store.

Conditions in your locality should  
govern you in reaching a decision in  
this matter. A ten cent purchase is  
so small that you ought to feel no  
hesitation in requiring all who guess  
to buy that quantity of goods. How-  
ever, there may be reasons why you  
want to make the contest free for all,  
and if there are you will find that the  
advertising which you get out of the  
proposition will balance the cost of

the clock and the expense to which  
you are put in connection with the  
matter. Advertise your clock guess-  
ing contest a week or two weeks in  
the newspapers before your start it.  
Designate the week in which it is to  
be held as "clock week," and in con-  
nection with advertising the guessing  
contest quote prices on everything  
from the cheap alarm clocks to the  
highest prices and most elaborate  
eight day clocks you have in stock.  
The guessing contest will extend over  
a period of eight days. That period  
of time ought to give you an oppor-  
tunity to get rid of a considerable

## S. RAMSEY & Co,

Manufacturers of BIRD CAGES  
of every description.



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

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

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.**

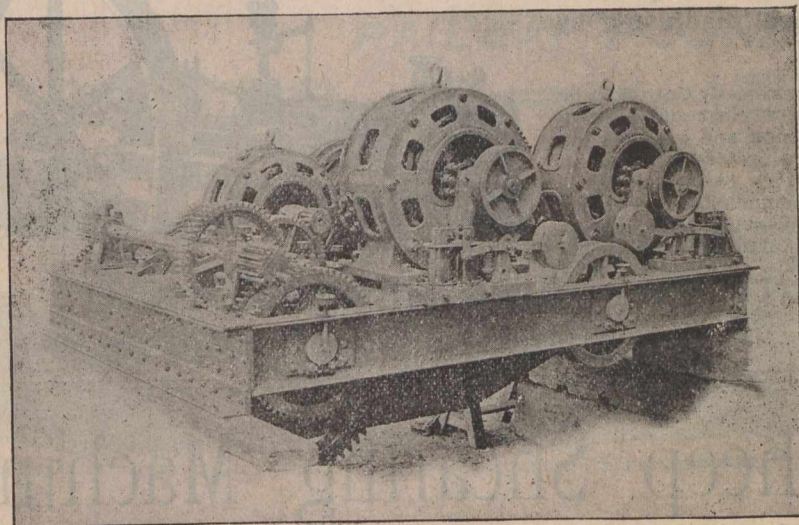


Telegrams: "CLUNCH, LONDON."

# The International Electrical Engineering Company,

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

Manufacturers of  
**Electric Lighting Trac-  
tion and Power  
Transmission Plant.**



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

Special prices to Canadians under the New Tariff.

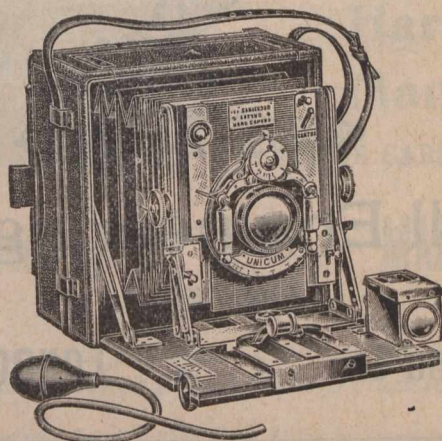
Works: TOOTING.

Cable Address: "BROMIDE, London."

## Photographic Apparatus & Materials

WHOLESALE AND EXPORT.

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.

number of clocks, especially if you are in a position to make attractive prices on certain lines.

During this period you should also endeavor to move out any dead stock in this line. Look over the left-over holiday line of clocks. Anything there that is almost dead stock and represents a considerable investment on your part? Better get cost out of it and move it out. You are in business to use your money as frequently as possible, and that dead stock is a dead weight that is holding you back from making a profit. Move it out along with the new stock, and make the special clock week a success.

Watches may also be offered at special prices during the week. Anything that will keep interest at white heat while you have the crowds visiting your store! That is the theory, and you should make the most of your opportunity.

Guesses may be recorded in a large book kept for that purpose by the

Telegraphic Address:—"MESH," Manchester.

## The Yorkshire Wire Cloth Company,

Flour and Rice Mill Furnishers, Silk Merchants, Wire Weavers, Brush Makers, Metal Perforators, &c.

Victoria Wire Works, Commercial Street, Knott Mill,  
MANCHESTER, ENG.

F.O.B. MANCHESTER.

## The Sizing Materials Company

Manufacturers of  
all kinds of

Chemicals and Materials used  
by Warp Sizers and Finishers.

10 Marsden St., - MANCHESTER, Eng



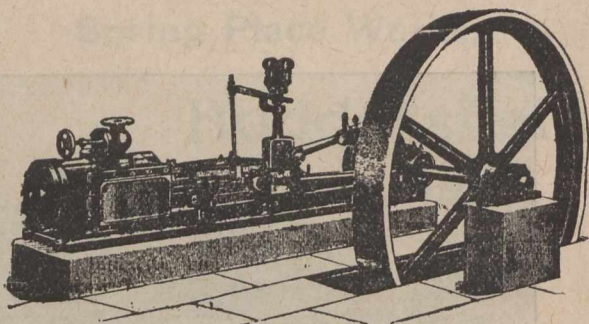
# T. & R. LEES, Hollinwood, Nr. Manchester, ENGLAND.

## ENGINEERS

### Improved Horizontal Steam Engines (Class J.)

Constructed to work at a Steam Pressure up to 100 lbs. Fitted with Patent Automatic Piston Valve Expansion Gear; the Cut-off being automatically adjusted by Governor.

These Engines are all fitted with our patent automatic Cut-off in the control of our patent high-speed Governor, giving a clear and positive cut-off. It regulates the Valve with great precision, and supplies the steam according to the varying load, effecting the greatest economy in steam, and great uniformity of speed. The working parts are easy of access throughout. This Apparatus is strongly recommended for driving Electrical Installations, Saw Mills, Corn Mills, Weaving Mills, Brick-works, and other trades where varying loads have to be contended with



PLEASE INDENT THROUGH MERCHANTS.

Telegrams : "LEES, HOLLINWOOD."

Special estimates to Canadians under the new Preferential Tariff

cashier, if purchases must be made before guesses can be recorded, or if not they may be registered by one of the clerks in the front part of store as the customer comes in or goes out.

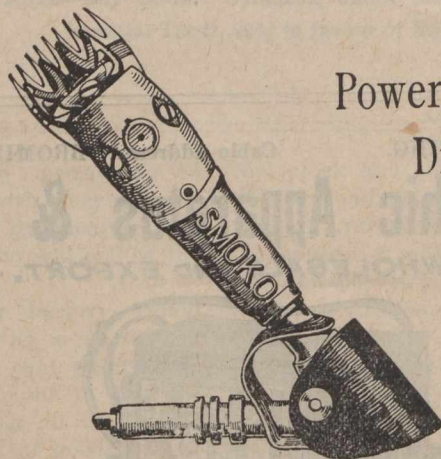
#### MAKING PINE NEEDLE OIL.

The Thuringen mountains of South Germany are the home of the pine needle oil and extract industry. The oil is used for rheumatic and similar complaints. The process of manufacture is as follows:

The needles and very young shoots of the various kinds of pine trees, more particularly those of the *Pinus pumilio*, are used for the manufacture of these products. They are collected in the latter part of May or the first of June and are cut into small pieces and put into the cylinder of the distillation apparatus. Steam enters the base of the cylinder and is conducted underneath the bottom which is usually made of zinc and is perforated, the central part rising in the

## Sheep Shearing Machines

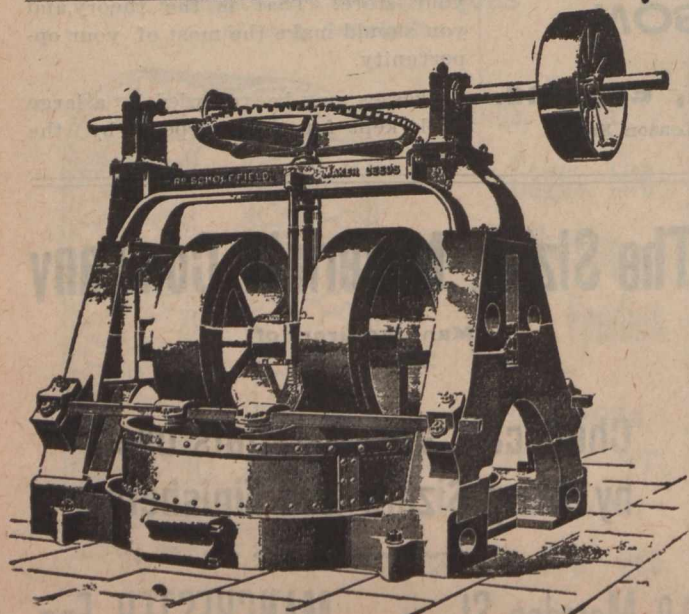
For Power and Hand Driving.



"SMOKO" Brand are the most Reliable.

Newall Engineering Co., LIMITED.

36 Featherstone St., LONDON, England.



8-ft. and 9-ft. Perforated Grinding Pans. (No. 48.)

Established 1868.

Telegraphic Address : "Brick, Leeds."

## Brick-making & Grinding Machinery

Manufactured by . . . . .

**Richard Scholefield,**

ENGINEER .

Burley Vale Mills

Kirkstall Road, LEEDS, Eng.



Telegrams :  
"LOCO, LEEDS."

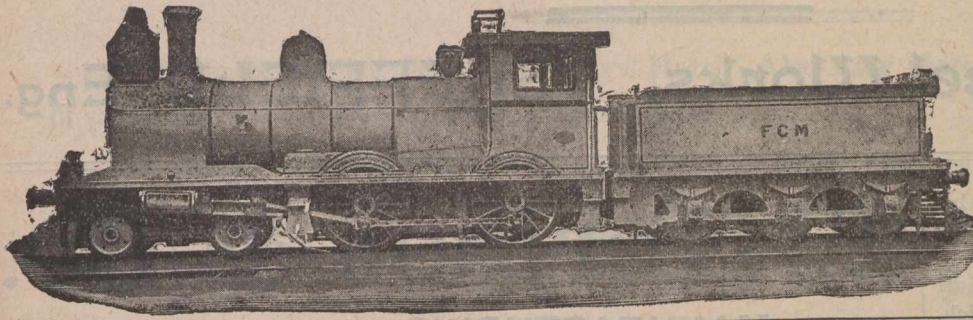
A. B. C. & A. I.  
Codes Used.



ESTABLISHED 1860.

# HUDSWELL, CLARKE & Co., Lt'd.

## RAILWAY FOUNDRY, LEEDS, ENGLAND.



SPECIALTY:

Locomotive Tank Engines.  
Rodgers Pulleys Registered.

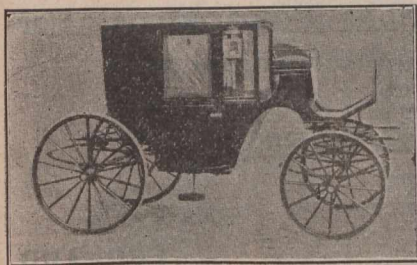
Canadian buyers have 33 1/2 per cent. in their favour, by purchasing English Locomotives.

Established 1779.

Telegraphic Address: "ANNE COWBURN."

# ANNE COWBURN,

Carriage Builder  
AND  
Harness  
Manufacturer.



MOTOR CARS A SPECIALTY.

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

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

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

Canadians can buy these carriages, under the New Tariff, 33 1/2 p.c., in their favour by purchasing in Manchester, from this firm.

shape of a cone or funnel. Through the perforations the steam finds its way to the needles heaped up in the cylinder and the volatile oils contained therein are freed and make their exit together with the steam by means of a pipe which connects with the cooling cylinder.

Cold water runs continually from the top into this cylinder, playing around the so-called "serpent pipe" and cooling its contents and then finding an exit at the bottom. Thus the contents of the serpent pipe become condensed and the liquid runs into a bottle at the base of the cooling cylinder, where the oil is found swimming on the surface. The oil must from time to time be skimmed off while the water runs out at a vent pipe. As this water is not entirely free from the oils, it is advisable to have it subjected to a rectifying process in order to save the oil, which would otherwise be wasted; or the separation can be effected by the application of salts.

When the steam has extracted the oils from the mass in the distilling cylinder the condensed water (containing resinous, albuminous and tannated substances) drops through the per-

Established 1838.

Telegraphic Address,

"LEES, BARDSLEY, ASHTON-UNDER-LYNE," Eng.

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

# Abel Lees & Sons,

**ROLLER AND  
SHAFTING MAKERS.**

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



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

Wheatfield Iron Works, BARDSLEY, nr. Ashton-u-Lyne, England



# AUSTIN & DODSON, LIMITED,

Manufacturers of

## SPRING STEEL

FOR  
COACH, CARRIAGE, CART  
WAGON and VAN SPRINGS.

Loco SPRING STEEL.

Spiral and Volute SPRING STEEL.

Timmis's Section SPRING STEEL.

SLEIGH SHOE STEEL.

TYRE STEEL.

TOE CAULK STEEL.

RAKE TOOTH STEEL.

HARROW TINE STEEL.

PLOUGH PLATES.

LAND SIDES.

PLOUGH MOULDS.

SPRING STEEL SHEETS.

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

## Cambria Steel Works, SHEFFIELD, Eng.

forations and collects in a space below; thence it is drawn off by means of a tap and is taken by a pipe to a vacuum apparatus. The boiler is half filled with the condensed water, which, by means of steam entering through a pipe and passing underneath the boiler to find its exit, is heated and caused to evaporate. This process is greatly aided by the fact that the space above it is void of air, this having been drawn out by means of a pump connected with the apparatus. The evaporating process is continued until the contents have reached the desired consistency. The extract is then drawn off, mixed with pine needle oil in order to give it the necessary perfume and put up in jars.

The mass left in the cylinder after both the above described processes are finished, is dried and put into a machine to separate and loosen the several fibres. These are then perfumed with pine needle oil, put up in assorted packages and sent to the different markets, where they are sold

# 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:

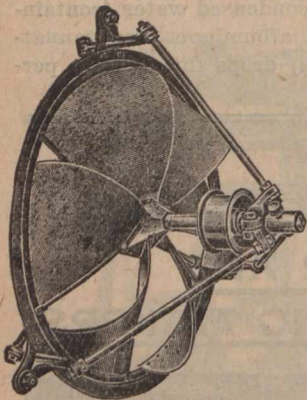
BARDSLEY VALE, nr. Ashton-under-Lyne, - ENGLAND.

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

# "Sun" Ventilating Fans

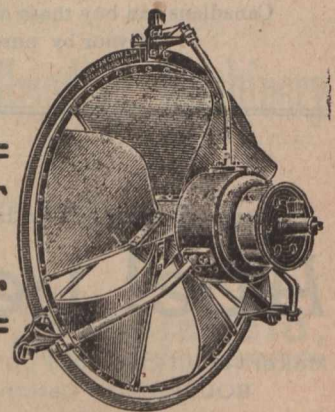
Highest Efficiency, Strength  
and Lightness

MADE ENTIRELY OF WROUGHT  
OR MALLEABLE IRON.



Belt Driven.

For Ventilating, Drying and  
All Cooling Purposes . . .



Electrically Driven.

"Sun" Fan Co., Ltd.,

GENERAL BUYING  
AGENTS WANTED.

Special prices to Canadians  
under the New Tariff.

40a Thornton Road, BRADFORD, ENG.



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.,

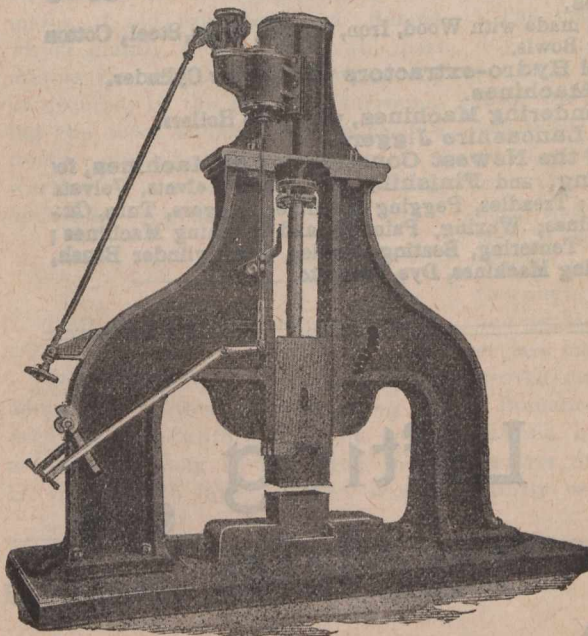
DENTON, near MANCHESTER, ENG.

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.

## B. & S. MASSEY,

OPENSHAW, Manchester, Eng.



Patentees  
and Makers of

**STEAM - -  
HAMMERS.**

Power Hammers, Stamps  
for Die Work, Saws for  
Hot and Cold Metals.

More than 3,000 sold.  
100 to 200 usually  
under construction or  
in stock.

Catalogues in English, French, German and Russian.

for pillow and mattress stuffing. The fibre is considered very healthful and vermin proof.

### THE PRODUCTION OF QUICK-SILVER.

The larger part of the product of commercial quicksilver in Mexico comes from Huitzuc, a town about 18 miles east of Iguala, in the state of Guerrero, where the "Mina Cruz and Anexas" is located. It was discovered in 1874 and has been worked without interruption ever since. The plant represents an expenditure of about \$250,000. Three thousand five hundred tons of crude ore are mined monthly, from which 250 to 300 flasks of quicksilver are produced.

The cost of production is stated to be lower in the Republic of Mexico than in the other producing countries of the world. In United States currency the relative cost is as follows:

	Cts. per lb.
Russia .....	39
United States. ....	37
Spain ..	31
Mexico .....	27

The world's product, represented in round numbers, for the various producing countries is led by Spain, with

## Irwell Rubber Co., Limited.

MANCHESTER, - - ENGLAND.

Contractors to the British Admiralty and War Office and all the principal Railroads at home and in the Colonies.

Manufacturers of every description of MECHANICAL INDIA RUBBER AND ASBESTOS GOODS used by Manufacturers, Railroads, Steamships, Mines, Power Plants, &c., &c.

Solid and Insertion Sheets, Valves, Buffers, Washers for Steam and Water Joints, Rubber Belting, Hose of all kinds, Solid Rubber Tubings, Packings, of every description, Matting, Roller Covering, Fruit Jar Rings, &c., &c.

Give our "Brucoso" Belting a trial. Tensile strength of 6" x 4 Ply 12,000 lbs. The Latest, Strongest and Best Gripping Belt made.

Special rates under the new Canadian Tariff. Enquiries invited.



Telegraphic Address: "ELKANAH, HALIFAX."

National Telephone, No. 133.

Makers of all kinds of DYEING and Finishing Machinery.

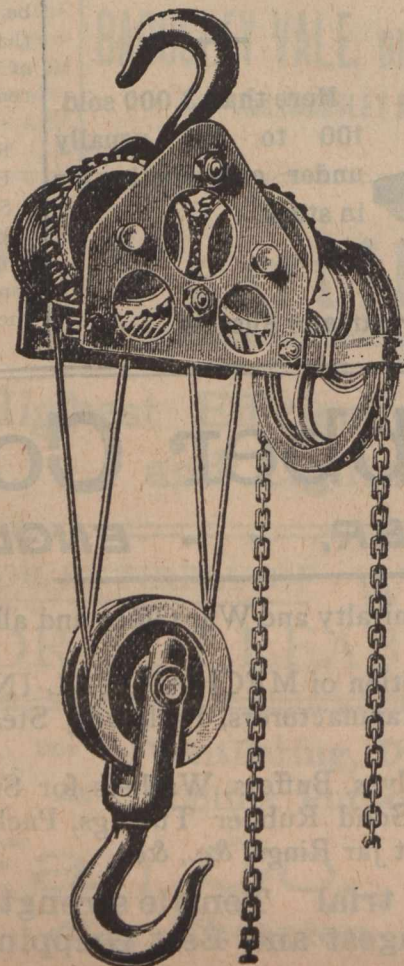
**ELKANAH HOYLE & SONS, LIMITED,****MILLWRIGHTS. ENGINEERS, MACHINE MAKERS,  
AND IRONFOUNDERS,****F. HORATIO CLIFFE,**  
Managing Director.**Waterside Works, HALIFAX, ENG,****Sole Makers of Messrs. Samuel Kirk & Sons' Wood-house, Leeds, Patent Machines for Improved Cloth Finishing.****Sole Makers of Refitt's Patent Pressing Machine for Soft Goods.****Sole Makers of Refitt's Patent Continuous Steaming machine.****Makers of Hydraulic and Screw Presses on the most improved principles, with Telescopic and Elbow connections. Cotton Baleing Presses and Baleing Boxes, Patent Wrought-iron Steam Press Plates, and Patent Malleable-iron Glands for Press Cylinders, so that leathers can be put in without taking the plates out.****Makers of every description of Hydraulic Pumps, worked either by HAND or POWER, with or without Steam Engine attached.****Makers of all kinds of Machinery, on the most improved principles, for DYEING, DRYING and FINISHING of all kinds of TEXTILE FABRICS, such as Orleans, Cobourgs, Lastings, Serges, Paramattas, Baratheas, Henriettas, Lamas, Cashmeres, Repede-Lain, Merinos and Manila Cloths, and all other kinds of BRADFORD MANUFACTURED GOODS, viz.: Crabbing, Singeing, Scouring, Washing, Drying, Starching, Tenting, Stretching, Calendering, Mordanting and Hot-pressing Machines.****Dyeing Machines, for Blacking, Blueing, Buffing, Saddening, Chroming, Padding, Jigging and Washing-off Machines.****Melange Machinery for the Dyeing, Drying and Printing of wool "Sliver."****Stead and Gledhill's Patent Steaming Apparatus.****Stead and Appleyard's Patent Black Rolling and Steaming Apparatus.****Stead's Improved Felt-hardening Machine, Wet and Dry Finishing and Tinting Machinery, for Mohairs, Lustres, Poplins, etc.****Wet Finishing Machines, with from One to Seven Pairs of Nip Rollers, with Drying Machines attached.****Poplin Machines, for Paraffin Wax Stiffening.****Gas Singeing and Brushing Machines.****Worsted Coating Scouring Machine, to run Piece at full width.****Tinting Machines, with from One to Three Sets of Nip Rollers.****Warp Dyeing Machinery, Bleaching and Sizing DRYING MACHINES, for Cotton and other Warps.****Patent Expanders, to keep pieces out at width.****Hydro-Extractors, both turned from underneath and above.****Grinding Mills, for Indigo, Lac and Argols.****Soap-scouring Machines, Milling Machines, Hot-air Tenting and Drying Machines, for the "Estamene" Finish.****Also Makers of Steam Engines for working the above Machines, either separate or combined, of all descriptions.****Messrs. Ingham and Butterfield's Patent Rigging Machines.****Calenders made with Wood, Iron, Copper, Brass, Steel, Cotton and Paper Bowls.****Horizontal Hydro-extractors with Copper Cylinder.****Damping Machines.****Cold Calendering Machines, with Five Rollers.****Improved Lancashire Jiggers.****Makers of the Newest Construction of Machines, for the Dyeing, and Finishing, of Cotton Velvets, Velvet Plush, etc.; Treadles, Pegging Machines, Jiggers, Tubs, Cutting machines; Waxing, Painting and Brushing Machines; Lustreing, Tenting, Beating Nollies, One Cylinder Brush, and Damping Machines, Dye Vats, etc.**

50,000 flasks annually, followed by the United States, with 30,000 flasks; Russia 20,000 flasks, and Mexico, 5,000 flasks.

Mexico's annual importation during the past five years has been 10,000 flasks, at prices ranging from \$72 to \$105 per flask of 72 pounds. Taking as average valuation of \$90 per flask, the total outlay annually made in the Republic for this staple is about \$900,000.

The ore at Huitzuc is not found in a vein but in a gigantic cone of limestone formation. The process of treating is very primitive. The limestone is broken into lumps of from 5 to 6 pounds each, and then placed in a furnace of native construction and roasted. The smoke is conducted through long flues and then precipitated into chambers. Once a month the soots are collected and placed upon a hot sheet iron floor, the iron being laid at an angle, and by gently stirring the soots the quicksilver runs into an iron pot, from which it is dipped into flasks and sent to market.

The shaft of the "Mina Cruz and Anexas" is 750 feet deep. The ore at the lower level is low grade, said to be about three-fourths of 1 per cent. per ton, but near the surface it runs as high as 14 per cent. The great bulk

**Lifting  
Tackle****FOR ALL PURPOSES.****Cranes, Sheave Blocks,  
Crabs, Pulley Blocks.****The Steel Rope  
Pulley - Block Co.,  
LIMITED,****WASHFORD ROAD,  
Sheffield, Eng.**

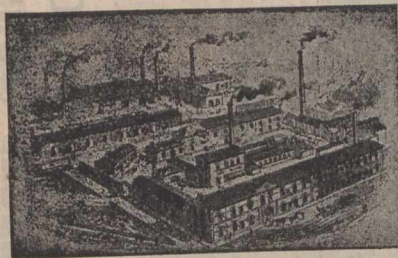


Telegrams, "SHIPMAN, SHEFFIELD."

Honourable Mention International Exhibition, 1862

**J. SHIPMAN & CO.**

Attercliffe Steel Works and Wire Mills,

**SHEFFIELD, - ENG.**Paragon Umbrella Wire, Rope Wire, Needle Wire,  
Music Wire, Steel Wire of every Description.**TOOL STEEL, MINING STEEL, &C.**Special Prices to Canadian  
under the New Tariff.

of the ore worked is from the lower levels, but every month a small portion of rich ore near the surface is roasted to maintain the monthly output of from 250 to 300 flasks.

Although the mine at Hiutzuco is the only one in the district worked for mercury at present, the country in the vicinity, in all directions, has the remains of old workings and dumps, which plainly show that in the past mining for quicksilver was vigorously prosecuted. In the low hills surrounding the town samples of ore can be found containing quicksilver, which, if worked by modern methods, would doubtless be profitable.

**THE MAKING OF PERFUMES.**

Those who have a rose garden may adopt the method of extracting oil used by the Californians. The petals are put into long narrow pans, thickly coated with lard. After several

days the petals are removed, the perfume is distilled with alcohol, and extracts, essences, and the toilet waters are the result of this work. Those who prefer the spicier odors will dry with the rose leaves carnations, lavender, sweet briar and leaves of the rose geranium and lemon verbena, says the New York Commercial Advertiser.

The mass is tossed lightly, day by day, until all the moisture is dispelled. Then additions may be made until the desired amount of material has been gathered. At the last the oil of cinnamon, cloves, lavender, rose and neroli are added, five drops of each, and the mixture is placed in a tightly sealed jar for about two weeks, until the perfume has been thoroughly assimilated by the leaves and petals. After this time the smaller jars may be filled for use in the approved manner.

Romance tells us, how, on many occasions, brave knights discovered lacy squares of delicately embroidered and faintly scented linen, and attracted

by the mere hint of the owner's loveliness, as shown in the dainty accessory to her toilet, swore to win the fair ladies. Modern men, clad in conventional black and gray, with carefully indifferent manner, and extremely blase airs, are apt to assert that all such happenings belong strictly to by-gone times.

However, if we were licensed to search through the belongings of some of these same indifferent masculine creatures, we might find other tokens treasured in the same old way. This manner of showing appreciation of "my lady's daintiness" is not so rare, for, after all, men and women are much the same from one age to another.

The perfumes that are most prized and are used are invariably those that suggest rather than assert their presence. The use of an odor of this description can be no mistake, and is sure to give satisfaction to the owner, as well as gratification to those about her.

ESTABLISHED 1870.

Codes—A.B.C. 4th Edition. LIEBERS, PRIVATE.

**PEPPER**

All Ground Peppers Guaranteed absolutely Pure. Peppercorns, Shells and Broken, and every description for Export.

**GRINDERS**

Charles Johnson & Co., VICTORIA MILLS, Liverpool, England.

AGENTS

John W. Bickle & Greening,  
HAMILTON, Canada.

Special Prices to Canadians under the New Tariff



**TASKER, SONS & CO.**

**Manufacturers of Main Driving Bands**

In Leather India-Rubber, Hair and Cotton.

Government Contractors.



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

**SHEFFIELD,**  
32 ANGEL STREET,  
**England**

**Leather Merchants and Mill Strap Manufacturers.**

**THE USE OF QUININE IN THE SOUTH.**

According to a Kansas City, U.S., wholesale druggist, a conservative estimate of the amount of quinine sold in that city in one year would be 125,000 ounces. At the retail price at the present time, 60 cents an ounce, the people of Kansas City spend \$75,000 a year for quinine. The farther south you go the more quinine is sold. At Memphis, Tenn., fully three times as much quinine is sold as there is in Kansas City, and the farther north you go the smaller is the amount sold. "If it had not been for quinine," said the jobber, "the bottom land near the Missouri river could never have been settled."

Quinine is obtained from the bark of the cinchona tree, a native of the eastern slope of the Andes. The cinchona tree has been largely planted in India, Ceylon, Java, and Burmah, with the result of improving the quinine-yielding value of many species by cul-

**STOCKS AND BONDS—INSURANCE COMPANIES—CANADIAN.—Montreal Quotations July 15, 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	3½-6mos.	350	\$50	98
Canada Life.....	2,500	4-6mos.	400	400	160
Confederation Life.....	10,000	7½-6mos.	100	10	....
Western Assurance.....	25,000	5-6mos.	40	20	96½
Guarantee Co. of North America.....	13,372	6	50	50	....

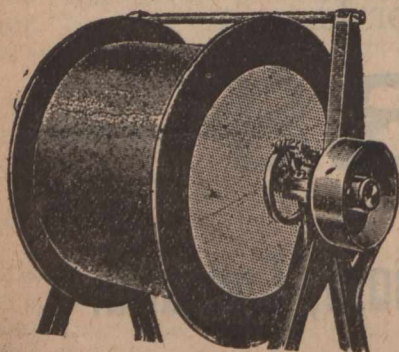
**BRITISH AND FOREIGN.—Quotations on the London Market, July 5, 1902 Market value p. p'd up sh**

Alliance Assur.....	250,000	8s. p. s.	20	2 1-5	9½	9½
Atlas.....	24,000	24 p. s.	50	6	26½	26½
British and Foreign Marine.....	67,000	25	20	4	18	19
Caledonian.....	21,500	12s. p. s.	25	5	5	28½
Commercial U. Fire, Life and Marine.....	50,000	27½	50	5	44½	45½
Guardian Fire and Life.....	200,000	9	10	5	9½	9½
Imperial Fire.....	60,000	25	20	5		
Lancashire Fire.....	136,493	5	20	2		
Lion Fire.....	100,000	3	20	1½		
London and Lancashire Fire.....	85,100	22	25	2½	18	19
London Assurance Corporation.....	35,362	20	25	12½	52	53
London & Lancashire Life.....	10,000	10	10	2	8	8½
Liv. & Lon. & Globe Fire and Life.....	391,752	90	St.	2	28	29
Northern Fire and Life.....	30,000	*22½	100	10	70	72
North Brit. & Merc. Fire and Life.....	110,000	30s. p. s.	25	6½	36	37
Norwich Union Fire.....	11,000	*33½	100	12	103	106
Phoenix Fire.....	53,776	25	50	5	231	232
Royal Insurance Fire and Life.....	195,224	58½	20		48½	49½
Sun Fire.....	240,000	8s 6d p. s.	10	10	10	10½
Union.....	45,000	18 p. s.	10	4	12½	13½

\*Excluding periodical cash bonus.

**The Patent Electro-Magnetic**

**SEPARATORS,**



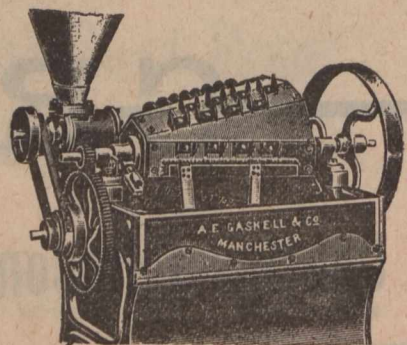
For extracting Iron or Steel from Borings, Ash-Metals, Glass Seeds, Slag Tobacco, &c

Powerful, Constant, Automatic, Economical, Safe, Self-Clearing.

PRICES ON APPLICATION TO

**A. E. GASKELL & Co.,**

6 Dickinson St., MANCHESTER, Eng.



Contractors to Admiralty.

Works: ROCHDALE, Eng.

Special Terms to Canadians under the New Canadian Tariff.



ESTABD 1859

# LIVERPOOL RUBBER COMPANY LTD

MANUFACTURERS OF

## RUBBER BOOTS & OVERSHOES

### CANVAS, PLIMSOLL, GYMNASTIC & LAWN TENNIS SHOES



GARDEN HOSE  
DELIVERY HOSE, BELTING,  
CORD, MATS, VALVES, SHEETS.



CAB TYRES  
PNEUMATIC CUSHION  
AND SOLID TYRES



WASHERS  
AND  
ALL KINDS OF MECHANICAL  
RUBBERS, INDIA RUBBER THREAD

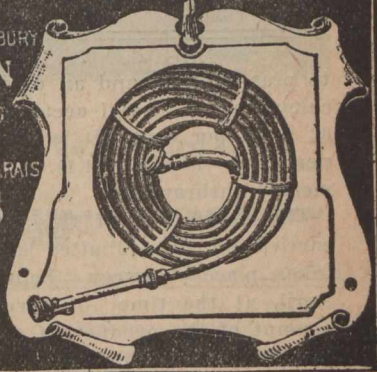
TELEGRAPHIC ADDRESS:  
"RUBBER," LIVERPOOL.  
TRADE MARK



LIVERPOOL RUBBER CO LTD

HEAD OFFICE & WORKS  
VAUXHALL RD LIVERPOOL ENGLAND

34 ALDERMANBURY  
LONDON  
ENGLAND  
20 RUE DE MARAIS  
PARIS  
FRANCE



tivation. In late years the test of appearance has given way to that of assay in judging the various barks of commerce, and only those are official which yield 5 per cent. of total alkaloids, of which at least 2½ per cent. must be quinine. Yellow bark contains most quinine, as high as 9 per cent. having been obtained from one specimen.

Quinine is a white, amorphous or minutely crystalline powder and has a very bitter taste. It is a tonic and antiseptic. It is prescribed by physicians in doses of from two grains to 30 grains without any danger. Larger doses and even smaller ones sometimes produce a ringing in the ears, great headache and a delirium. Quinine even in small doses sometimes pro-

duces what the doctors call a "quinine eruption" on all parts of the body. The eruption is similar to that of scarlet fever and is sometimes mistaken for such. The principal field of action of quinine is in malarial diseases. It is administered in capsules and pills, the pills being sugar coated.

In the southern part of Missouri, especially in the spring time, quinine is taken by the spoonful and without anything to counteract the bitter taste. Quinine is very cheap now compared with the price that was charged some years ago. Formerly it sold at \$4 and \$5 an ounce and it has been as high as \$18 an ounce. The cause of the reduction in price is the care that has been given to the cultivation of the cinchona tree of late years.

#### OIL OF BERGAMOT LEAVES.

The composition of the oil of bitter orange leaves, known in the trade by the name of oil of petitgrain, has been the subject of numerous researches of late. On the contrary, until now, no attention has been given to the oil of bergamot leaves.

This oil has been distilled for several years in this district, where, as it is known, the chief industry is the cultivation of bergamot trees and the manufacture of bergamot oil. The yield of oil is limited; 100 kilos of leaves give only 150 grammes of oil.

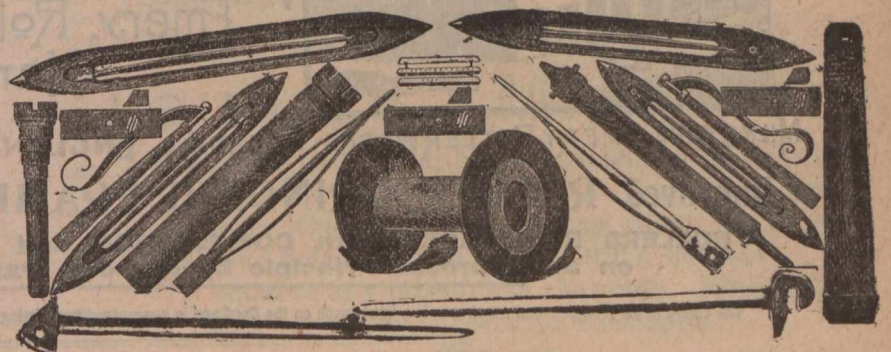
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The oil is rarely pure; turpentine oil is often distilled together with bergamot leaves, and very often into the still leaves and young saplings of bitter orange are added. Adulterations are extensively practiced with the addition of peel essences.

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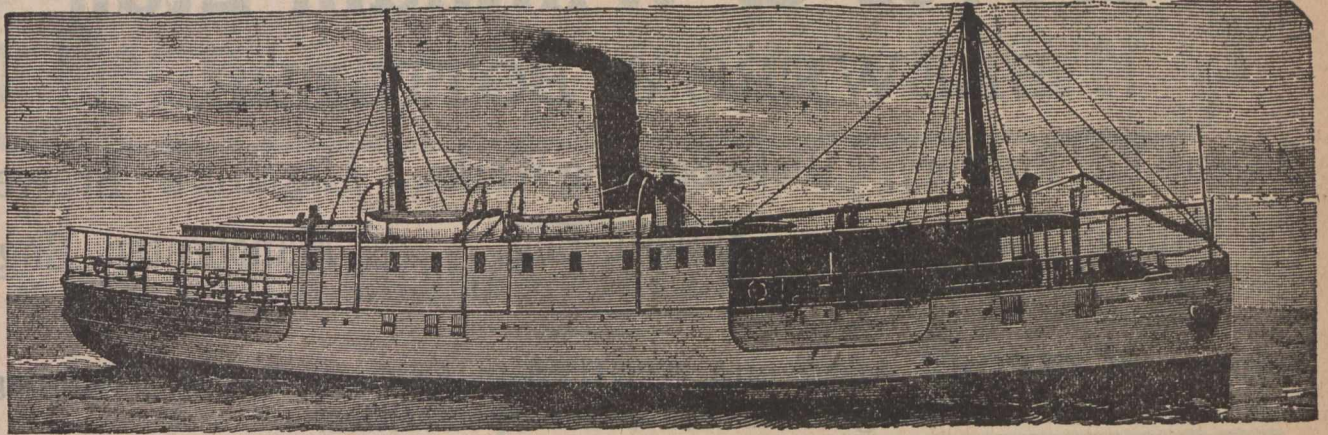
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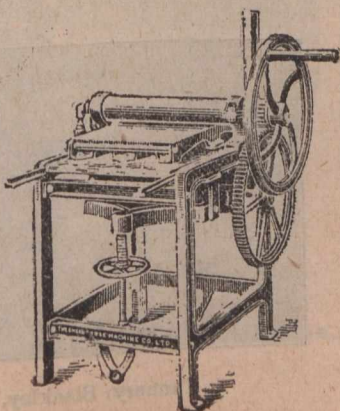
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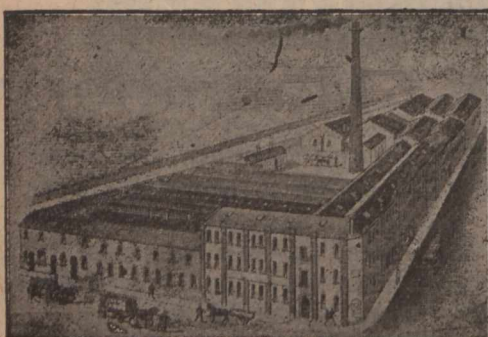
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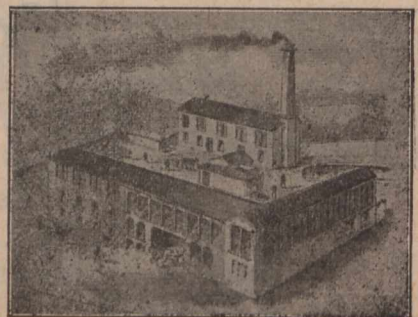
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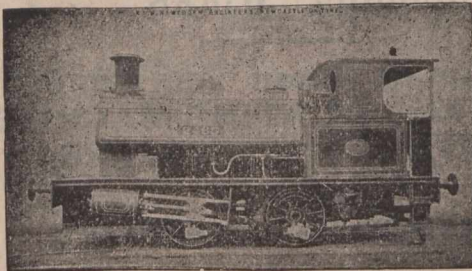
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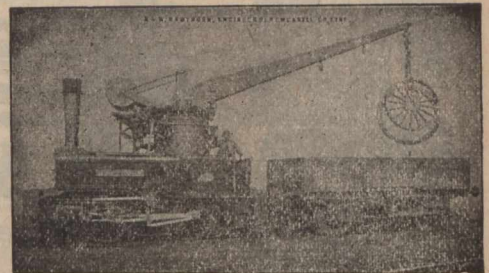


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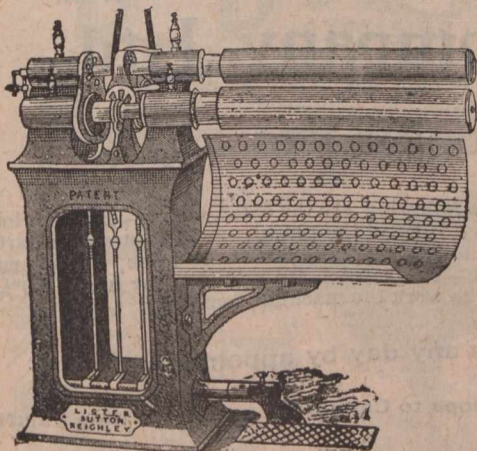
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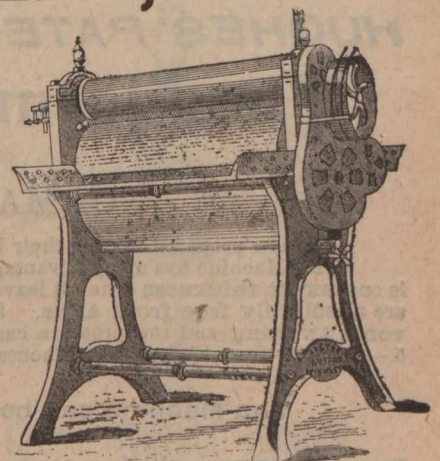
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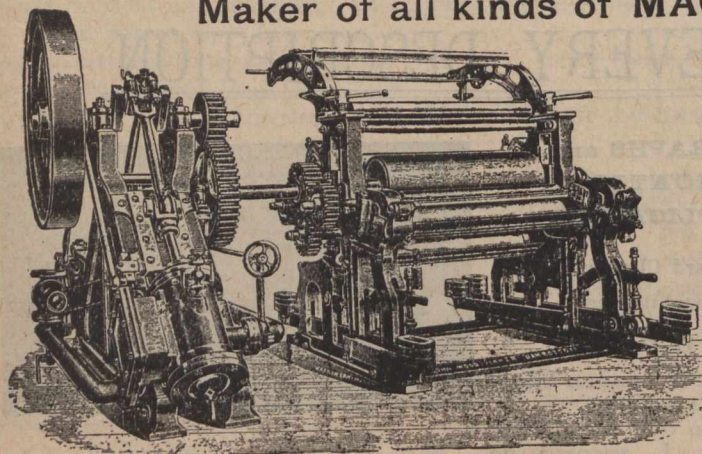
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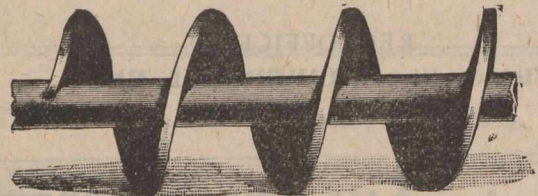
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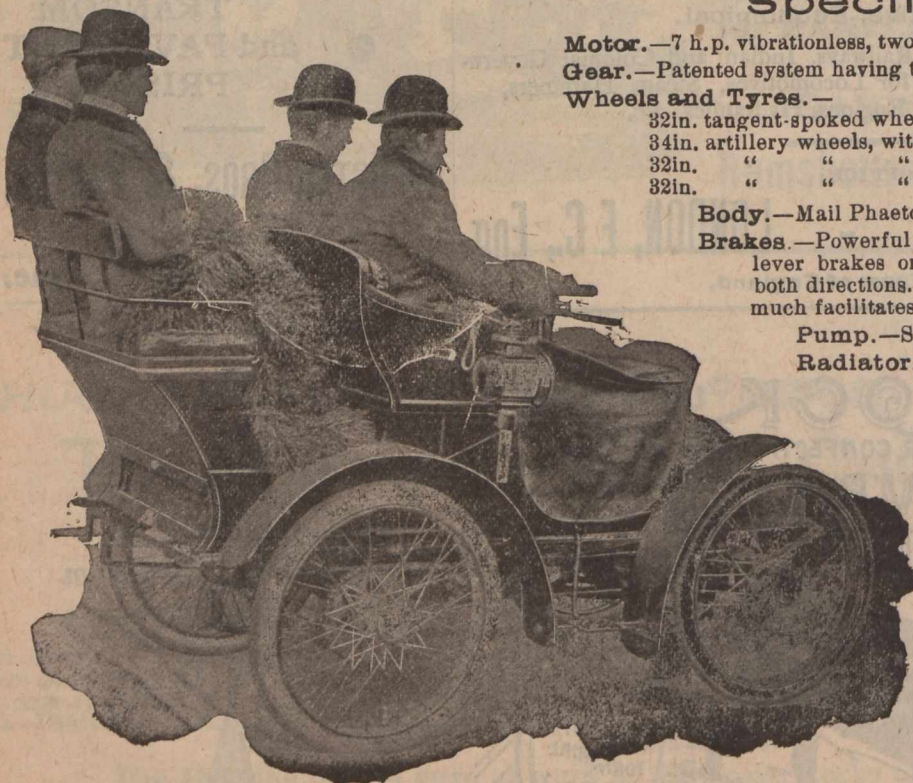
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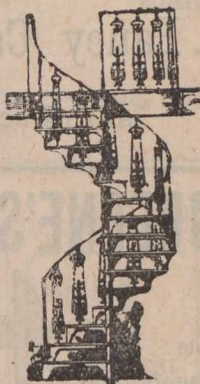
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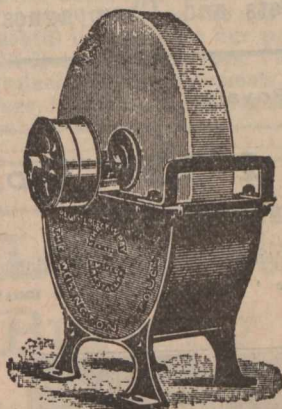
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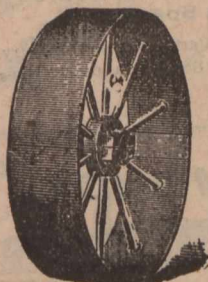


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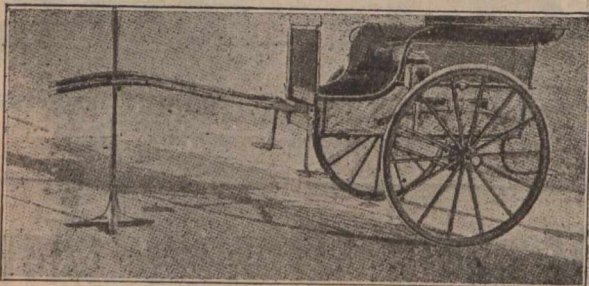
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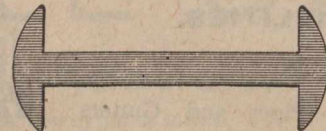
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Debs. 1884, 3 1/2 per cent	101	103	
2 1/2 p.c. loan, 1897	89	91	
Manitoba, 1885-6, 5 p.c.	107	109	
Railway and other Stocks.		June 26	
Quebec Province, 5 p. c., 1874	100	105	
1876, 5 p.c.	100	105	
1880, 4 1/2 p.c.	104	106	
1883, 5 p.c.	108	110	
Atlantic & Nth. Western 5 p.c. Gua 1st M. Bds	121	123	
Buffalo & Lake Huron \$10 shf.	13 1/2	14	
do 5 1/2 p.c. bonds	138	141	
Can. Central 5 p.c. M. Bds. Int. guar. by Gov.			
Canadian Pacific \$100	138 1/2	139	
Grand Trunk, Georgian Bay, &c. 1st M.	99	101	
Grand Trunk of Canada Ord. stock.	13 1/2	13 3/4	
2nd equip. mtg. bds. 6 p.c.	127	130	
1st pref. stock 5 p.c.	105 1/2	105	
2nd pref. stock	90 1/2	90 3/4	
3rd pref. stock	39 1/2	39 1/2	
5 p.c. perp. deb. stock	126	129	
4 p.c. perp. deb. stock	109	111	
Great Western shares, 5 p.c.	135	138	
Hamilton & N.W., 6 p.c.			
M. of Canada Stg. 1st Mort. 5 p.c.	107	108	
Montreal & Champlain 5 p.c. 1st mtg. bds			
N. of Canada, 1st mtg., 5 p.c.	100	102	
Quebec Central, 5 p.c. 1st Inc. Bds.	101	104	
T. G. & B. 4 p.c. bonds, 1st mort.	107	109	
Well., Gray & Bruce, 7 p.c. bds. 1st Mort	110	113	
St. Law. & Ott. 4 p.c. Bds.	105	107	
MUNICIPAL LOANS.			
City of London (Ont) 1st pref 5 p.c.			
City of Montreal stg. 5 p.c. 1874	101	103	
City of Ottawa, 4 p.c., stg.	102	104	
redeem 1873	100	103	
redeem 1875	101	104	
City of Quebec, op. c. redeem 1875	107	109	
redeem 1878	112	114	
City of Toronto, 4 p.c. 1889-93	101	103	
6 p.c. stg. con. deb. 1874-1876	100	106	
5 p.c. gen. con. deb. 1879	111	113	
4 p.c. stg. bonds	103	105	
City of Winnipeg deb., 1894, 5 p.c. Deb. scrip. 1893, 6 p.c.	105	107	
MISCELLANEOUS COMPANIES.			
Canada Company	41	43	
Canada North-West Land Co.	16	18	
Hudson Bay	27 1/2	27 3/4	
BANKS.			
Bank of British North America	67	69	
" " Montreal	520	540	
Canadian Bank of Commerce	15	16	

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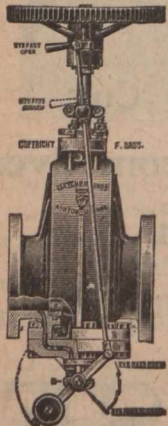
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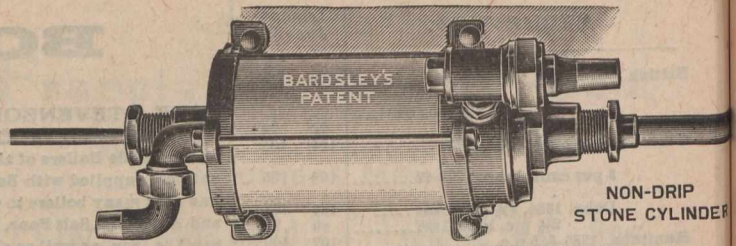
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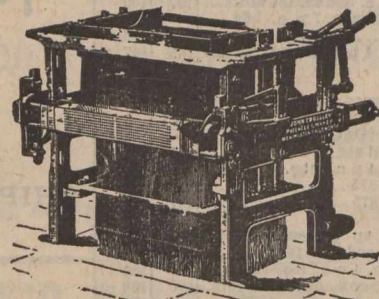
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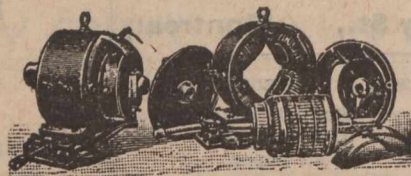
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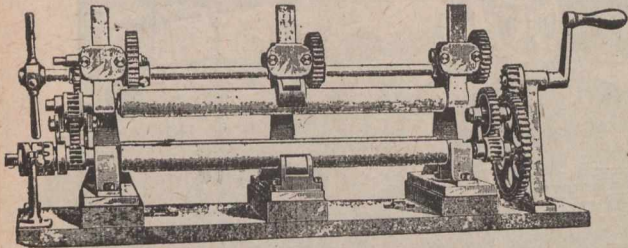


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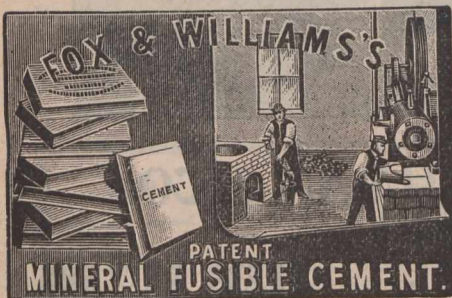
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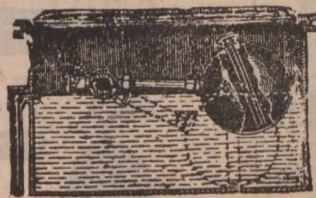
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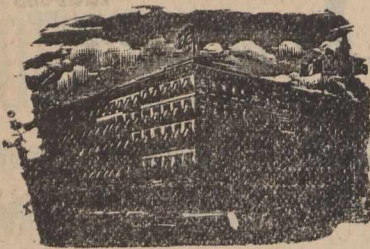
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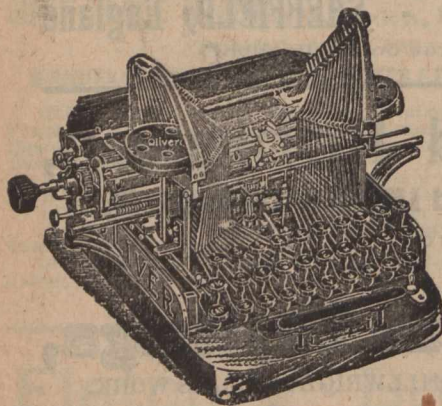
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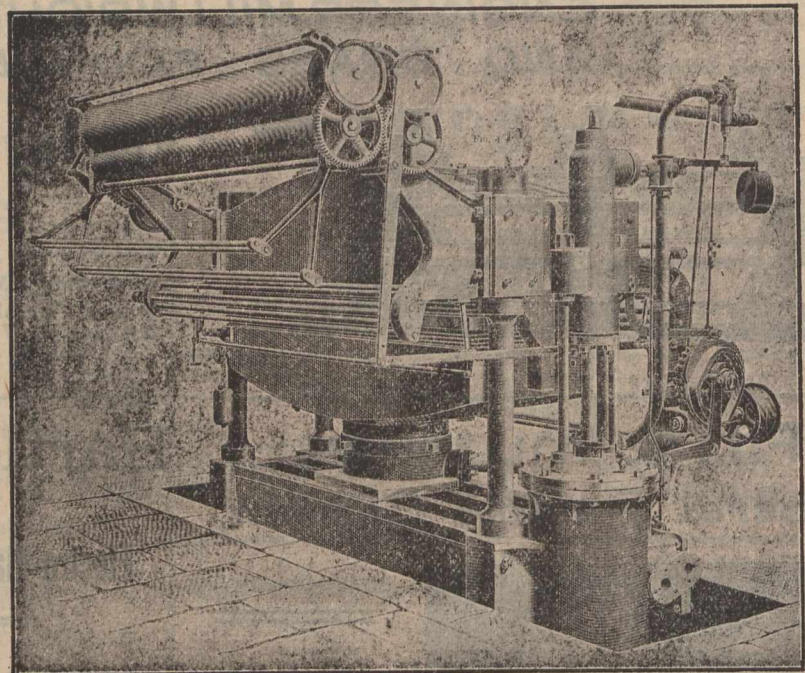
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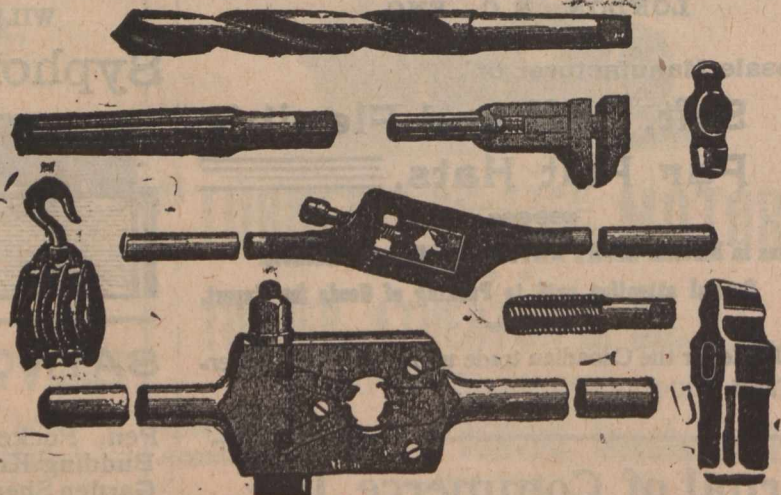


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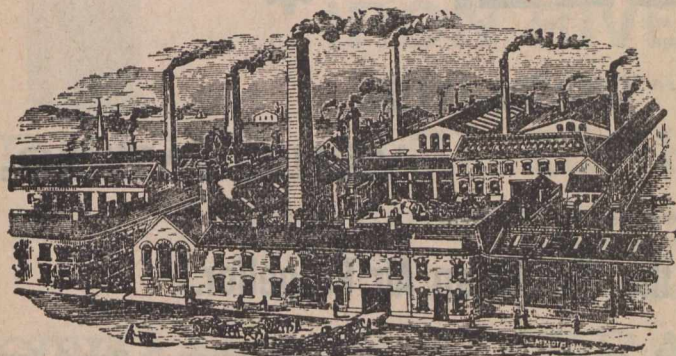
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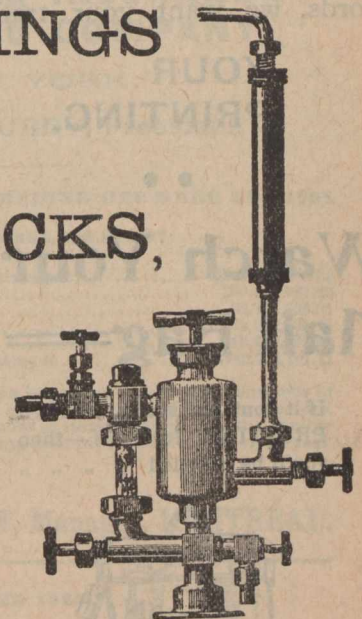
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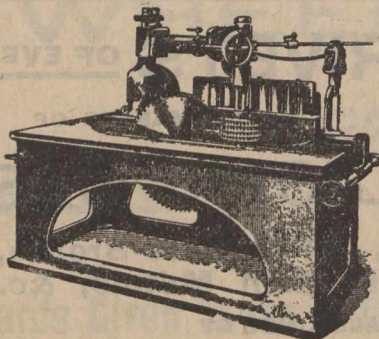
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ESTABLISHED 1844.

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

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

Insurance.

**British \* America ASSURANCE COMPANY.**

HEAD OFFICE, - - - TORONTO,

Incorporated 1833.

**FIRE AND MARINE.**

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

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

**The Mutual Life INSURANCE COMPANY**

OF NEW YORK.

RICHARD A. McCURDY, President.

STATEMENT FOR THE YEAR ENDING DECEMBER 31st, 1901

Assets, - \$352,838,971.67

Reserve on Policies (American Table, 4 p.c.).....	\$289,652,388.84
U.S. Bonds and other Securities .....	198,063,981.24
Surplus.....	23,171,709.01
Receipts from all sources .....	63,624,305.51
Payments to Policyholders.....	42,452,606.50
Risks and annuities in force amounting to.....	1,243,563,101.11

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

AGENTS WANTED. Apply to

FAYETTE BROWN, Manager, MONTREAL.

(FOUNDED 1825.)

**Law Union & Crown Ins. Co.,**

(OF LONDON.)

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

Fire risks accepted on most every description of insurable property.

Canadian Head Office: BEAVER HALL, MONTREAL

J. E. E. DICKSON, Manager.

Agents Wanted throughout Canada.

**POLICYHOLDERS AND AGENTS ALIKE PROFIT BY A GOOD SELECTION.**

The unexcelled financial position of the Company, its large surplus; its handsome dividends; its liberal policies; and its promptness in paying all legitimate claims make THE NORTH AMERICAN LIFE a most desirable Company for both.

Active men who will become active agents will find it to their interest to represent

**THE NORTH AMERICAN LIFE**

112-118 King St., W., Toronto.

L. GOLDMAN, Wm. McCABE,  
 Secretary, Managing Director.

Messrs. AULT & McCONKEY,  
 Managers for Province of Quebec.  
 Royal Insurance Building, Place d'Armes Sq.,  
 MONTREAL.

**Saxe & Archibald,**  
**ARCHITECTS**  
 Room 79, Imperial Building  
**MONTREAL.**

**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.



**NEW YORK LIFE**

INSURANCE COMPANY.

**JOHN A. McCALL, President;**Gain in Insurance in force 1901  
\$163,000,000

AN UNPARALLELED RECORD.

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

WESTERN CANADA BR., 496½ Main St., Winnipeg, Man.  
N. B. BR., 121 Prince William St., St. John, N. B.  
TORONTO BRANCH, 6 King St., West, Toronto, Ont.  
HALIFAX BR., Barrington and Prince Sts.**G. F. JOHNSTON,**

AGENCY DIRECTOR,

Company's Building, MONTREAL

**J. DUNCAN DAVISON**Imperial Bdg. 107 St. James Street,  
Montreal.**COMMISSIONER**

For Following Provinces:

Ontario, Quebec, Manitoba, New Brunswick  
Nova Scotia and Prince Edward Island.**LIVERPOOL & LONDON & GLOBE**

INSURANCE COMPANY.

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

Funds Invested in Canada, - \$3,800,000

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

Canada Board of Directors:

A. F. GAULT, Chairman.  
WENTWORTH J. BUCHANAN, Deputy Chairman.  
SAM'L. FINLEY, E. S. CLOUSTON.  
HON. SIR ALEXANDRE LAPOSTOLLE, K.C.M.G.  
G. F. C. SMITH, Resident Secretary.

Head Office, Canada Branch:

**MONTREAL****THE WATERLOO MUTUAL**

Fire Insurance Company.

Established in 1863. Head Office, Waterloo, Ont.

Total Assets, Jan. 1, '04, \$349,734.71.

GEORGE RANDALL, Esq., President; JOHN SMUH,  
Esq., Vice President; Frank Haight, Esq., Manager;  
John Killer, Esq., Inspector.**CONFEDERATION LIFE ASSOCIATION.**

Policies Issued on all Approved Plans.

Cash Values,

Extended Insurance,

Paid up Policies,

**GUARANTEED.**W. C. MACDONALD,  
Actuary.J. K. MACDONALD,  
Managing Director.

Head Office, - TORONTO.

Montreal Office:

174 ST. JAMES ST.,

**The Royal-Victoria**

LIFE INSURANCE COMPANY.

CAPITAL, - - \$1,000,000.

Head Office, Place d'Armes, Montreal.

BOARD OF DIRECTORS.

PRESIDENT: JAMES CRATHERN, Esq.

VICE-PRESIDENTS:

ANDREW F. GAULT, Esq., and HON. L. J. FORGET.  
HON. JAMES O'BRIEN. HON. ROBT. MACKAY.  
JONATHAN RODGSON, Esq. DAVID MORRICE, Esq.  
SAMUEL FINLEY, Esq. H. N. BATE, Esq.  
REV. R. H. WARDEN, D.D. GASPARD LEMOINE, Esq.

MEDICAL DIRECTOR:

T. G. RODDICK, Esq., M.D., M.P., F.R.C.S.

GENERAL MANAGER:

DAVID BURKE, Esq., A.I.A., F.S.S.

The new business for the first six months of 1902 shows a large increase over the same period of last year.

Securities deposited with the Dominion Government exceed all liabilities to policyholders.

Agents desiring to represent this Progressive Company with up-to-date plans of Insurance, are invited to correspond with the HEAD OFFICE, MONTREAL.

**WESTERN ASSURANCE COMPANY.**

FIRE AND MARINE. Incorporated 1851.

Assets, over \$3,260,000.00  
Annual Income, 3,380,000.00

Head Office, - Toronto, Ont.

Hon. GEO. COX, Pres. J. J. KENNY Vice-Pres. & Man.-Dir  
C. C. FOSTER, Secretary.

Montreal Branch, - 189 ST. JAMES STREET.

ROBT. BICKERDIKE, Manager.

ROUTH &amp; CHARLTON, City Agents.

**ALLIANCE****ASSURANCE CO., LIMITED,**(With which is united the IMPERIAL FIRE OFFICE,  
established in 1803.)

Capital, \$25,000,000.

Head Office for Canada, - IMPERIAL BUILDING, MONTREAL.

P. M. WICKHAM,  
Manager.G. R. KEARLEY,  
Asst. Manager.**NATIONAL ASSURANCE COMPANY OF IRELAND.**

ESTABLISHED 1822.

Capital Fully Subscribed, - \$5,000,000.

Canadian Branch:

Trafalgar Chambers, - 22 St. John Street, Montreal.

H. M. LAMBERT, - MANAGER.

**B. S. & W. WHITELEY**

Press

Paper

Manufacturers,

Pool Paper Mills, POOL, nr. LEEDS,  
ENGLAND.

DISTINCTIVE QUALITIES

—OF—

**North Star, Crescent  
and Pearl Batting.****Purity, Brightness, Loftiness.**No Dead Stock, oily threads nor miserable yellow fillings of short staple.  
Not even in lowest grades. Three grades—Three prices and far the best for  
the price.**COMMERCIAL UNION**

ASSURANCE CO., Ltd.,

Of London, England.

FIRE LIFE MARINE

Agencies in all the principle Cities and Towns of  
the Dominion.

HEAD OFFICE, Canadian Branch, - MONTREAL.

JAMES MCGREGOR, Manager.