

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.  
WRITE FOR INFORMATION.

513

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

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MONTREAL, FRIDAY, JANUARY 31, 1902.

M. S. FOLEY,  
EDITOR AND PROPRIETOR

**McINTYRE SON & Co.,**

MONTREAL.

IMPORTERS of DRY GOODS.

DRESS GOODS,  
SILKS,  
LINENS,  
SMALL WARES,  
TREFOUSSE KID GLOVES,  
ROUILLON KID GLOVES.

13 VICTORIA SQUARE.

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310 to 316 St. Paul Street

AND

147 to 151 Commissioners St.,  
MONTREAL.

Manufacturers and Importers of

White Lead, Colors,  
Glass, Varnishes,  
Glues, &c.

Oils, Chemicals, Dyestuffs,  
Tanning Materials, &c.

AGENTS FOR

**BERLIN ANILINE CO.,**  
Berlin, Germany.

Manufacturers of Aniline, Colors and  
other Coal Tar Products.

**JAMES CORISTINE & CO.,**  
Limited.

Manufacturers and  
Importers of

**HATS  
CAPS  
AND FURS**

MONTREAL.

**FARM FOR SALE.**

○ ○ ○

FOR SALE, IN CANADA, (ABOUT 5 MILES West of Niagara Falls) in the Garden of the Dominion, that First-Class Grain, Pasture and Fruit Farm known as "BEECHLANDS," situated immediately East of the town of Thorold, and 4½ miles from St. Catharines, in the Province of Ontario; about ½ mile from P. O., Market, Railway Stations, Churches, Schools, &c., containing about 90 acres fertile loam clay; Fishing Stream, Partridge Grove, Barns, Stables and other Outhouses, all for \$7,500. Contains large Stone House, Orchard, Grove and Lawn, Gothic Stone Lodge. Easy terms. Produces Wheat Oats, Barley, Hay, Clover, Apples, Grapes, Pears, Peaches, Plums, Cherries, Quinces, Strawberries, and other small fruits. The steam railway service to the Falls has been replaced by an electric railway service. Address the owner, M. S. FOLEY, Editor and Proprietor of the "Journal of Commerce," Montreal, Canada.

X The following Brands  
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**THE American Tobacco Co.**  
OF CANADA, Limited.

Are sold by all the Leading Wholesale  
Houses . . .

**CUT TOBACCOOS.**

Old Chum,  
Seal of North Carolina,  
Old Gold.

**CIGARETTES**

Richmond Straight Cut,  
Sweet Caporal,  
Athlete, Derby.

X X

**MARK FISHER SONS**  
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Merchant Tailors and  
Woolen Buyers

will find our Stock replete with all the  
Latest Novelties selected in the Home  
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We have never shown a more extensive  
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**STAPLE WOOLLENS**

than we are doing at present.

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

Mark Fisher, Sons & Co.,  
VICTORIA SQ., - MONTREAL

**ROOFING AND ASPHALTING**

OF EVERY DESCRIPTION.

Metal Cornices, Skylights, &c.,  
Cement and Tile Floors,  
Cement Washtubs  
&c.

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Boston Hot Blast Heating, and Pneumatic System of conveying Mill Stock.

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MONTREAL.

**Destructors and  
Boiler Furnaces.**

**HORSFALL DESTROYER CO.,**  
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LEEDS, England.

Canadians can purchase these furnaces  
under the new Canadian Tariff, 33½ p. c.  
cheaper than any other Country.

**BLACK DIAMOND  
FILE WORKS.**

Est. 1863.

Inc. 1895.



HIGHEST AWARDS at TWELVE  
International Expositions.

SPECIAL PRIZE,  
GOLD MEDAL,  
AT ATLANTA, 1895.

**G. & H. BARNETT COMPANY,**  
PHILADELPHIA, PA.



The Chartered Banks.

BANK OF MONTREAL.

(ESTABLISHED 1817.)

Incorporated by Act of Parliament.

Capital (all paid up) \$12,000,000.00
Reserve Fund, - 7,000,000.00
Undivided Profits, - 510,084 04

HEAD OFFICE: MONTREAL.

BOARD OF DIRECTORS:

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A. F. Gault, Esq., James Ross, Esq.
R. G. Reid, Esq.

E. S. CLOUSTON, General Manager.

A. Macnider, Chief Inspector and Supt. of Branches.
W. S. Clouston, Insp. of Branch Returns.
F. W. Taylor, Asst. Insp. James Aird, Sec.

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Seigneurs St. Branch.
Point St. Charles Branch.
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Belleville, " Peterboro, " Halifax, N.S.
Brantford, " Picton, " Sydney, N.S.
Brockville, " Sarnia, " Calgary, Alta.
Chatham, " Stratford, " Lethbridge, Alta.
Cornwall, " St. Mary's, " Regina, Ass'a.
Deseronto, " Toronto, " Winnipeg, Man.
Ft. William, " " Yonge st. br. " Greenwood, B.C.
Goderich, " Wallaceburg, " Nelson, B. C.
Guelph, " Montreal, Que. New Denver, B.C.
Hamilton, " Quebec, " New Westmin-
Kingston, " Chatham, N.B. ter, B.C.
London, " Fredericton, N.B. Rossland, B.C.
Ottawa, " Moncton, N.B. Vancouver, B. C.
" St. John, N.B. Vernon, "
" Amherst, N.S. Victoria, "

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IN GREAT BRITAIN:

London, Bank of Montreal, 22 Abchurch Lane, E.C.
Alex. Lang, Man.

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Agents, 59 Wall Street.
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 and
Branches.

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" The Bank of New York, N.B.A.
" 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, 17th November, 1900.

THE BANK OF TORONTO.

INCORPORATED 1855.

HEAD OFFICE: TORONTO, CANADA.

Paid-up Capital - \$2,400,000
Reserve Fund - 2,400,000

DIRECTORS:

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WM. H. BEATTY, Esq., Vice-President.
Henry Cawthra, Esq., Geo. J. Cook, Esq.
Robert Reford, Esq., Charles Stuart, Esq.
William George Gooderham, Esq.

DUNCAN COULSON, - General Manager.
Joseph Henderson, - Inspector.

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" King St. W. " Copper Cliff, Rossland, B. C.
Montreal, Gananoque, Sarnia,
" Pt. St. Charles London, Stayner,
Barrie, London East, St. Catharines.
Brockville, Peterboro', Wallaceburg.
Cobourg, Petrolia,

BANKERS:

London, Eng.—The London City and Midland
Bank, Ltd.
New York—National Bank of Commerce.
Chicago—First National Bank.
Careful attention given to the collection of Com
mercial Paper and Securities.

The Chartered Banks.

THE BANK OF BRITISH NORTH AMERICA.

Established in 1836.

Incorporated by Royal Charter in 1840.
Paid up Capital - \$1,000,000 atg.
Reserve Fund, - 300,000 atg.

London Office, - 5 Gracechurch St., E.C.
COURT OF DIRECTORS:
J. H. Brodie, H. J. B. Kendall,
John James Cater, Frederic Lubbock,
Richard H. Glyn, George D. Whatman,
Ed. Arthur Hoare, Henry R. Farrer,
Secretary A. G. Wallis.

Head Office in Canada, St. James street.

H STIKEMAN, General Manager.

J. ELSMSLY, Inspector.

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Brantford, Halifax, N.S., Atlin,
Hamilton, St. John, N.B., Greenwood,
Toronto, Fredericton, Victoria,
Kingston, Yukon District, Vancouver,
Midland, Dawson City, Rossland,
Ottawa, Winnipeg, Man. Kaslo.

Montreal, Que., Brandon.
DRAFTS ON SOUTH AFRICA MAY BE OR-
TAINED AT THE BANK'S BRANCHES.

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Welsh, Agents.
San Francisco (127 Sansome Street)—H. M. J.
McMichael and J. R. Ambrose, Agents.
London Bankers—The Bank of England and
Messrs. Glyn & Co.

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, Lim-
ited. West Indies—Colonial Bank. Paris—Messrs.
Marcuard, Krauss et Cie. Lyons—Credit Lyonnais.
Issue Circular Notes for Travellers, available
in all parts of the world.

THE MOLSONS BANK

Incorporated by Act of Parliament, 1855.

HEAD OFFICE: MONTREAL.

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

BOARD OF DIRECTORS:

Wm. Molson Macpherson, - President.
S. H. Ewing, - Vice-President.
W. M. Ramsay, Samuel Finley, J. P. Cleghorn,
H. Markland Molson, Lt.-Col. F. C. Henshaw.
JAMES ELLIOT, General Manager.
A. D. Durnford, Chief Inspector and Superintendent
of Branches; W. H. Draper, Inspector.
H. Lockwood W. W. L. Chipman, Asst. Inspectors.

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Aylmer, " Montreal, P.Q. St. Thomas, Ont.
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.C. " Winnipeg, Man.
Kingsville, " Ridgetown, Ont. Woodstock, Ont.
Knowlton, Que. Simcoe, "
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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.

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New York—Mechanics' National Bank; National
City Bank; Hanover National Bank; The Morten
Trust Co. Boston—State National Bank; Kidder,
Peabody & Co. Philadelphia—Philadelphia National
Bank; Fourth Street National Bank. Portland,
Me.—Casco National Bank. Chicago—First Na-
tional Bank. Cleveland—Commercial National
Bank. Detroit—State Savings Bank. Buffalo—
Third National Bank. Milwaukee—Wisconsin Na-
tional Bank of Milwaukee. Minneapolis—First
National Bank. Toledo—Second National Bank.
Butte, Montana—First National Bank. San Fran-
cisco—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 Trav-
ellers' 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

BOARD OF DIRECTORS:

Thos. E. Kenny, Esq., - President.
Thomas Ritchie, Esq., - Vice-President.
Wiley Smith, Esq., H. G. Bauld, Esq.,
Hon. David MacKean.

HEAD OFFICE: HALIFAX, N.S.

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Manager, Montreal); W. B. Torrance, Sec. and
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Bathurst, N.B. Ottawa, Ont.
Bridgewater, N.S. Pictou, N.S.
Charlottetown, P.E.I. Port Hawkesbury, N.S.
Dorchester, N.B. Rossland, 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.
Kingston, N.B. Summerside, P.E.I.
Londonderry, N.S. Sydney, C.B.
Louisburg, C.B. Truro, N.S.
Lunenburg, N.S. Vancouver, B.C.
Matland, N.S. Vancouver, East End, B.C.
Moncton, N.B. Victoria, B.C.
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Montreal, West End. Weymouth, N.S.
Nanaimo, B.C. Woodstock, N.B.
Nelson, B.C.

Agencies in Havana, Cuba; New York, N.Y.; and
Republic, Washington.

CORRESPONDENTS:

Great Britain, Bank of Scotland. France, Credit
Lyonnais. Germany, Deutsche Bank. Spain,
Credit Lyonnais. China and Japan, Hong Kong
& Shanghai Banking Corporation. New York, Chase
National Bank. Boston, National Shawmut Bank,
Chicago, Illinois Trust and Savings Bank. San
Francisco, First National Bank. Portland, Ore.,
First National Bank. Seattle, Washington Na-
tional Bank. Spokane, Exchange National Bank.
Collections made at lowest rates and promptly
remitted for. Telegraphic transfer made and
drafts issued at current rates.

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:

London—Messrs. Glyn, Mills, Currie & Co. New
York—Bank of New York, N.B.A. Boston—Globe
National Bank. Montreal—Bank of Montreal. St.
John, N.B.—Bank of Montreal.
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, - 401,200
Reserve, - 184,000

BOARD OF DIRECTORS:

John Cowan, Esq., - President.
Reuben S. Hamlin, Esq., Vice-President.
W. F. Cowan, Esq., W. F. Allan, Esq.,
Robert McIntosh, M.D. J. A. Gibson, Esq.,
Thomas Patterson, Esq.,
T. H. McMillan, - Cashier.
BRANCHES—Whitby, Midland, Tilsonburg, New
Hamburg, Paisley, Penetanguishene, Pickering,
Port Perry, Ont., Tavistock, Ont.
Drafts on New York and Sterling Exchange bought
and sold. Deposits received and interest allowed.
Collections solicited and promptly made.
Correspondents at New York and in Canada—
Merchants Bank of Canada. London, England—
Royal Bank of Scotland.

THE ONTARIO BANK.

Capital subscribed - \$1,500,000.00
Capital Paid-up - 1,393,000.00
Rest - 280,000.00
Profit and Loss Account - 16,996.04

HEAD OFFICE: TORONTO.

DIRECTORS:

G. R. R. Cockburn, Esq., - President.
Donald Mackay, Esq., - Vice-President.
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A. S. Irving, Esq., Hon. R. Harcourt, R. Grant, Esq.,
CHARLES MCGILL, - General Manager.

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Aurora, Kingston, Peterboro,
Bowmanville, Lindsay, Port Arthur,
Buckingham, Q., Montreal, Sudbury,
Cornwall, Mount Forest, Tweed,
Newmarket,
Scott and Wellington Streets.
Toronto: Queen and Portland
Yonge and Richmond "

AGENTS:

London, Eng.—Parr's Bank, Limited.
France and Europe—Credit Lyonnais.
New York—Fourth National Bank and The
Agents Bank of Montreal.
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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John Hoskin, Esq., K. C., LL. D., Matthew  
Leggat, Esq., J. W. Flaville, Esq., Frederic  
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S. E. WALKER, General Manager.  
J. H. PLUMMER, Asst. General Manager.  
A. H. Ireland, Chief Insp'r and Supt. of Branches.

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ONTARIO: Simcoe, Stratford, Strathroy, Toronto, Toronto Jc., Walkerton, Walkerville, Waterloo, Windsor, Woodstock.  
QUEBEC: Montreal, Dawson, White Horse.  
YUKON DISTRICT: Dawson, White Horse.  
BRITISH COLUMBIA: Vancouver, Victoria.

**IN GREAT BRITAIN:**  
London, 60 Lombard St., E.C., S. C. Alexander, Mgr  
**IN THE UNITED STATES:**  
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Seattle, Wash.; Skagway, Alaska.

**Bankers in Great Britain:**  
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**Traders Bank of Canada**

(Incorporated by Act of Parliament 1885).  
Capital Paid Up, 1,344,420  
Reserve Fund, 250,000

**Board of Directors:**  
President, C. D. Warren, Esq.  
Vice-President, John Drynan, Esq.  
HON. J. R. STRATTON, C. KLOEFFER, Esq. M.P.  
Toronto.  
J. H. BEATTY, Esq., of Thorold.  
W. J. SHEPPARD, Wauhaushene.  
**Head Office, Toronto.**  
General Manager, H. S. STRATHY.  
Inspector, J. A. M. ALLEY.  
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Aylmer, Hamilton, Strathroy,  
Beeston, Ingersoll,  
Burlington, Leamington, St. Mary's,  
Drayton, Newcastle,  
Dutton, North Bay, Sudbury,  
Elmira, Orillia, Tilsonburg,  
Glencoe, Port Hope, Windsor,  
Grand Valley, Ridgetown.

Great Britain—The National Bank of Scotland.  
New York—The American Exchange Nat. Bank.  
Montreal—The Quebec Bank.

**BANQUE D'HOCHELAGA.**

Capital Subscribed, \$1,500,000  
Capital Paid-up, 1,500,000  
Reserve Fund, 750,000

**DIRECTORS:**  
F. X. ST. CHARLES, President.  
R. BICKERDIKE, M.P.P. Vice-Pres.  
Hon. J. D. ROLLAND, J. A. VAILLANCOURT, Esq.,  
and Alphonse Turcotte, Esq.,  
Gen'l Manager  
M. J. A. PRÉNDERGAST, Assistant Manager  
C. A. GIBOUX, Inspector  
O. E. DORAIS  
**Head Office, Montreal.**  
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Three Rivers, P. Q., Winnipeg, Man.  
Joliette, P. Q., St. Henri, near Montreal  
Sorel, P. Q., 1756 " "  
Valleyfield, P. Q., 2217 Notre Dame " "  
Louisville, P. Q., Hochelaga, " "  
Sherbrooke, P. Q., " " "

**CORRESPONDENTS:** Nat'l Park Bank, Nat'l City Bank, Importers & Traders National Bank, Mchts National Bank, M.M. Ladenberg, Thalman & Co., M.M. Heidelbach, Ickelheimer & Co., M.M. Kountze Brothers, New York. Third National Bank, International Trust Co., National Bank of Commonwealth, Boston. National Bank of the Commonwealth, Boston. National Live Stock Bank, Illinois Trust and Savings Bank, Chicago. The Clydesdale Bank (Limited), Credit Lyonnais de Paris, Credit Industriel & Commercial, Comptoir National d'Escompte de Paris, London, Eng. Credit Lyonnais, Société Générale, Crédit Industriel & Commercial, Comptoir National d'Escompte de Paris, France. Crédit Lyonnais, Brussels, Belgium. Deutsche Bank, Berlin, Germany. Banque Imp. Roysale, Priv. des Pays Autrichiens Vienna, Austria. Banque de Rotterdam, Rotterdam, Holland. Letters of Credit issued available in all parts of the World. Interest on deposits allowed in Savings Department.

The Chartered Banks.

**BANK OF HAMILTON.**

CAPITAL paid up, \$1,995,750  
RESERVE FUND, 1,500,000

HEAD OFFICE - HAMILTON.

**Directors:**  
President, JOHN STUART,  
Vice-President, A. G. RAMSAY,  
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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Berlin, Indian Hd., n.w.t. Pilot Mound,  
Blyth, Jarvis, Man.  
Brandon, Man. Listowel, Plum Coulee, M.  
Carman, Man. Lucknow, Port Elgin,  
Chesley, Man. Manitou, Man. Port Rowan,  
Delhi, Milton, Simcoe,  
Dundas, Mitchell, Southampton,  
Georgetown, N.W.T. Stonehall, M.,  
Gorrie, Morden, Man. Vancouver, B.C.  
Grimsby, Niagara Falls, Wingham,  
Hamilton, E. End Orangeville, Winkler, Man.  
Hamilton, Owen Sound, Winnipeg, Man.  
Barton St.,

**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 Saturday, the first day of February next. The transfer books will be closed from the 21st to the 31st January next, both days inclusive. By order of the Board, T. G. BROUGH, Gen. Manager. Toronto, December 24th, 1901.

**The Standard Bank of Canada**

Capital Paid-up, \$1,000,000  
Reserve Fund, 750,000

HEAD OFFICE, TORONTO.

**DIRECTORS:**  
W. F. COWAN, President.  
JOHN BURNS, Vice-President.  
W. F. Allan, Fred. Wyld,  
T. R. Wood, Jas. Scott, A. J. Somerville  
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Bowmanville, Chatham, Markham,  
Brantford, Colborne, Parkdale, Toronto  
Bradford, Durham, Picton,  
Brighton, Forest, Richmond Hill,  
Brussels, Harriston, Stouffville.  
**BANKERS**  
Campbellford. Importers and Traders National Bank, New York—Wolsons Bank and Imperial Bank, Montreal—National Bank of Scotland, London, England—National Bank of Scotland. All banking business promptly attended to. Correspondence solicited. GEO. P. REID, General Manager.

**The BANK OF OTTAWA.**

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

**BOARD OF DIRECTORS:**  
CHARLES MAGEE, President.  
GEORGE HAY, Vice-President.  
Hon. Geo. Bryson, Alex. Fraser, John Mather,  
David MacLaren, Denis Murphy.  
**HEAD OFFICE, Ottawa, Ont.**  
Geo. BURN, Gen. Mgr.—D. M. FINNIE, Ottawa Mgr.  
L. C. OWEN, Inspecting Officer.  
**Branches:** Ontario—Alexandria, Arnprior, Avonmore, Bracebridge, Carleton Place, Cobden, Hawkesbury, Keewatin, Kemptville, Lanark, Mattawa, Ottawa, Wellington street, Bank street, Rideau St., Somerset street, Parry Sound, Pembroke, Portage, Renfrew, Smith's Falls, Toronto, Vankeek Hill, Winchester, Quebec.—Granby, Hull, La Chapelle, Montreal, Shawinigan Falls, Manitoba—Dauphin, Portage la Prairie, Winnipeg.

**AGENTS IN CANADA:**—BANK OF MONTREAL.  
**FOREIGN AGENTS:**—New York, The Agents Bank of Montreal, National Bank of Commerce, Merchants National Bank, Boston; National Bank of the Republic, Colonial National Bank, Massachusetts National Bank, Chicago; Bank of Montreal, St. Paul; Merchants National Bank, London; Parr's Bank Limited, France; Comptoir National d'Escompte de Paris, India, China and Japan; Chartered Bank of India, Australia and Japan.

The Chartered Banks.

**UNION BANK OF CANADA**

Capital Paid-up, \$2,000,000  
Reserve, 550,000

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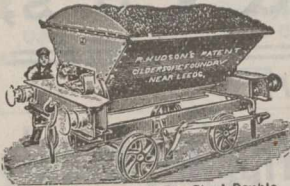
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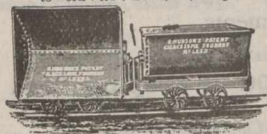
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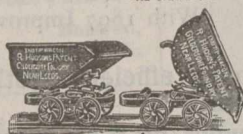
59—R. H.'s Patent 6-Ton Steel Double Side Tip Wagon. To work with ordinary 14 1/2 Wagons



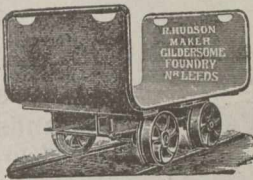
62—R. H.'s Patent Steel Goods Wagon. with Side Doors



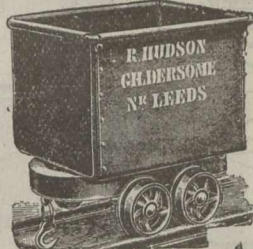
86—R. H.'s Latest Patent V or U-Shaped Double Side Tip Wagon. Occupies less room than any other make



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



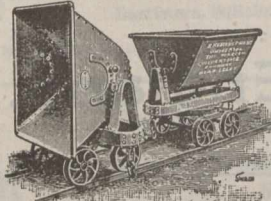
76—Hand Trolley, made to carry any weight or to suit any rail gauge.



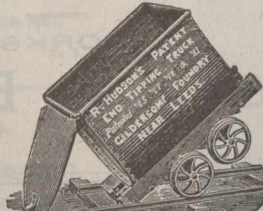
70—R. H.'s Patent Steel Mining Wagon



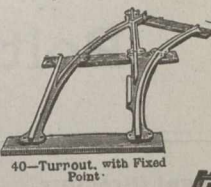
43—R. H.'s Patent Railway. For Bolts, Rivets, or Loose Parts. Will last ten times as long as the ordinary kind. Guaranteed fit through any factory



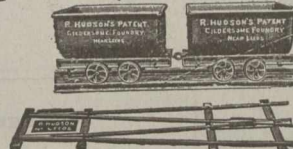
60—R. H.'s Patent Double-Centre Universal Tip Wagon tipping either Endways or Sideways at will



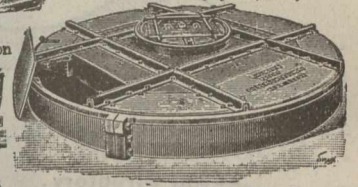
1—R. H.'s Patent Steel End Tip Wagon



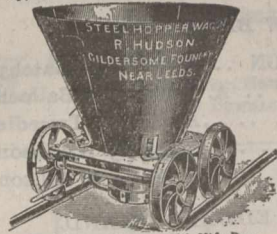
40—Turnout, with Fixed Point



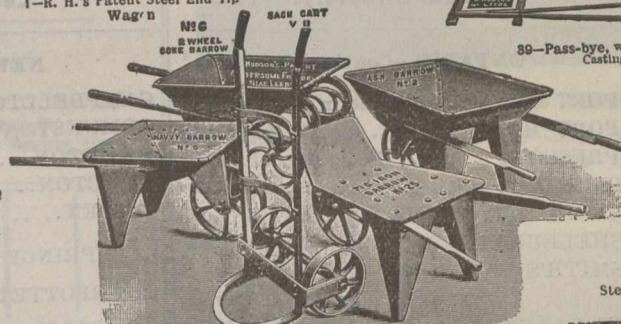
89—Pass-by, with Fixed Points Castings only



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



27—Hopper Wagon, with Slide Door



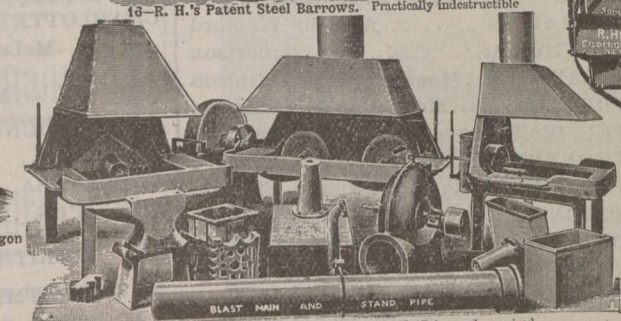
18—R. H.'s Patent Steel Barrows. Practically indestructible



10—Left-hand Steel Points & Crossing



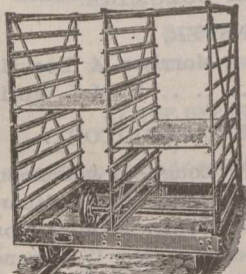
69—R. H.'s Improved Steel Hopper Wagon with Slide Door



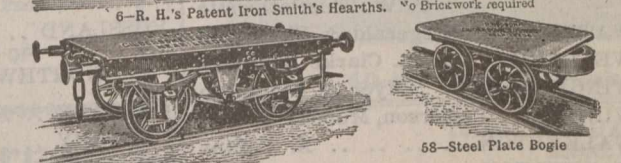
6—R. H.'s Patent Iron Smith's Hearths. No Brickwork required



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



68—Cake Drying Wagon



68—Steel Plate Bogie

56—10-Ton Platform Railway Wagon



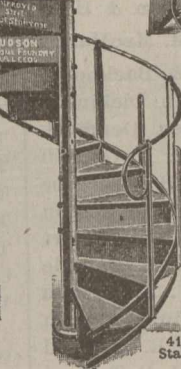
71—R. H.'s Improved Steel Tank Cart. 300 Gallons capacity



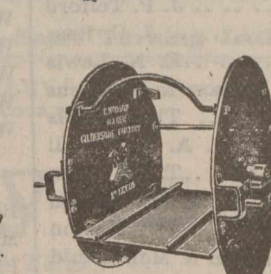
51—R. H.'s Patent Steel Cart, with R. H.'s Patent Steel Wheels and R. H.'s Patent Steel Shafts. Practically indestructible.



22—Two Tons Steel Plate Bogie. Practically indestructible.



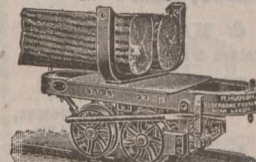
41—R. H.'s Patent Steel Staircases. Extremely light



78—Tippler for Mining Wagons



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



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



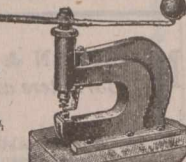
70—Foundry Fettling Box



57—Steel Coal Box with Drop Bottom



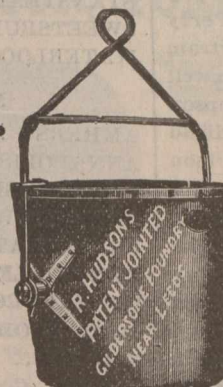
4—Furnace Coal Wagon



38—Fly Punch



29—Foundry Ladle



—Self-righting Steel Tip Bucket. Used with Patent Self-acting Catch if required



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



63—Mining Kibble with or without Valve in bottom



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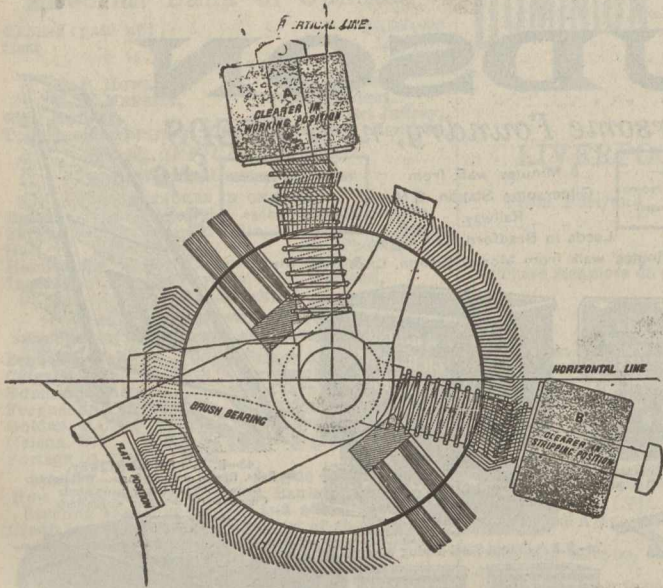
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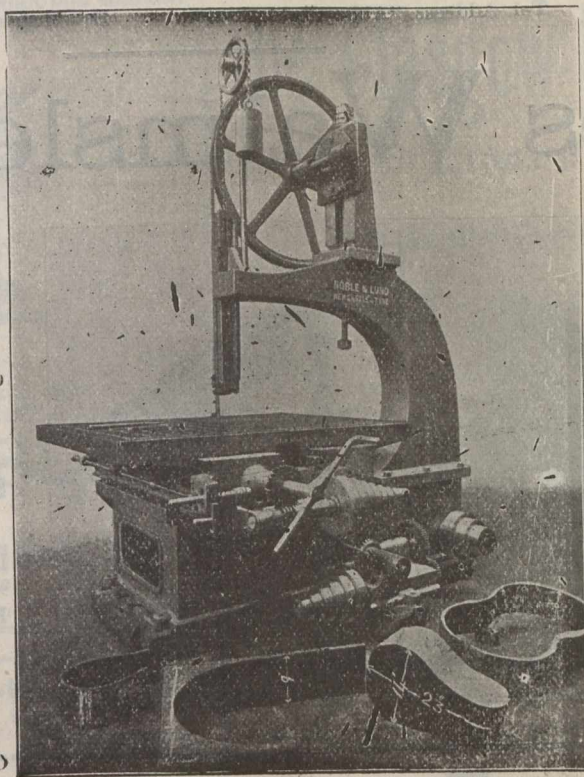
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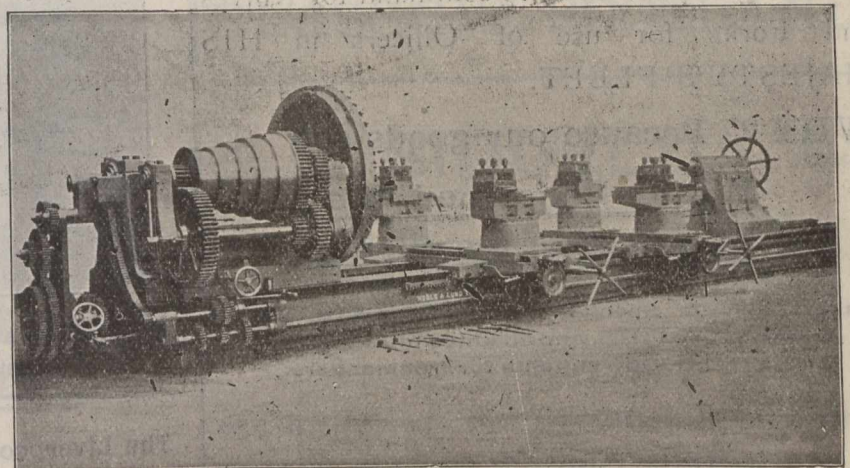
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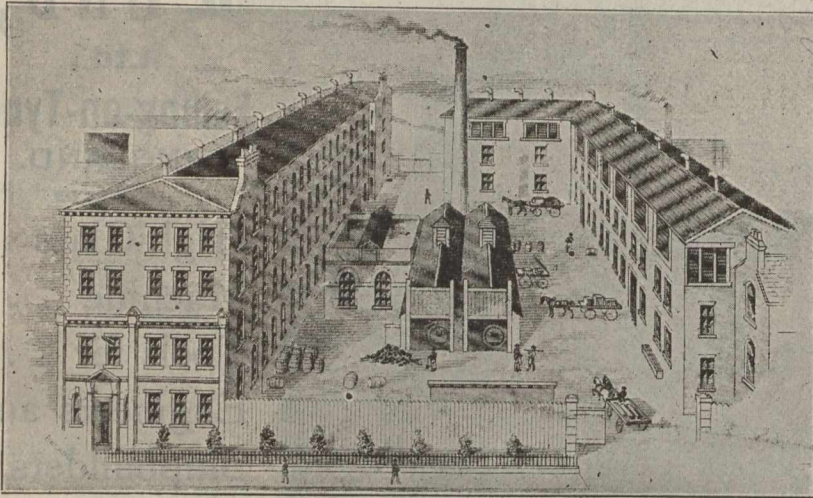
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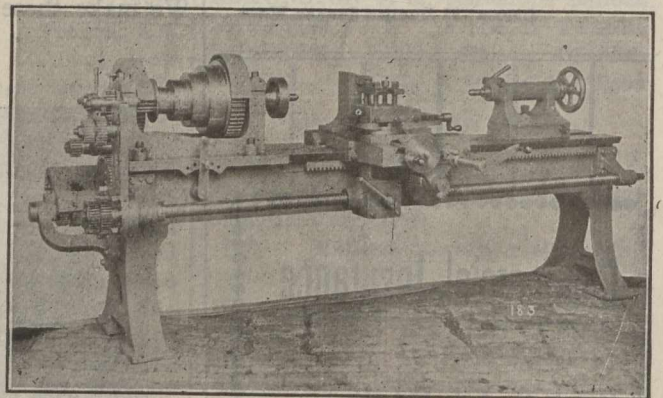
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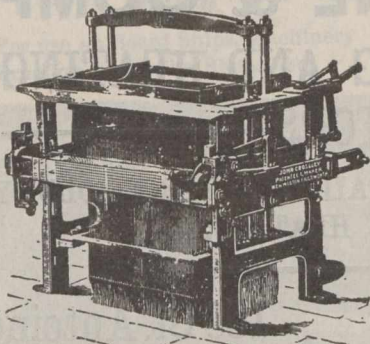
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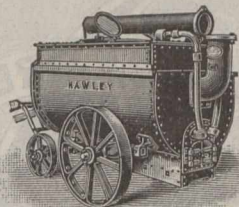
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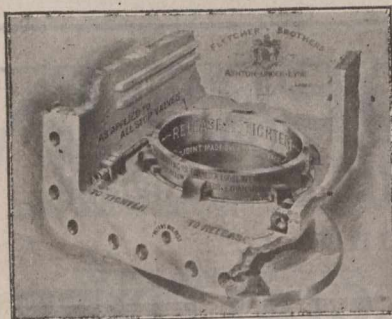
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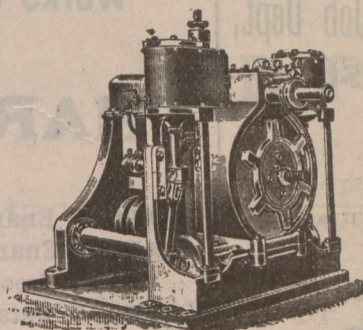
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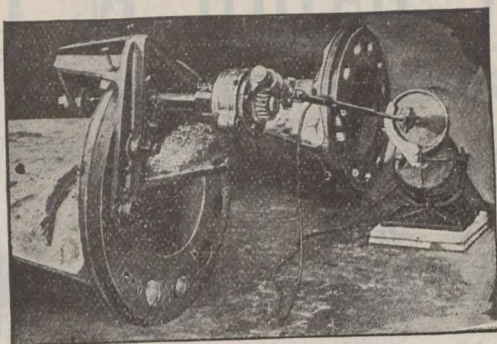
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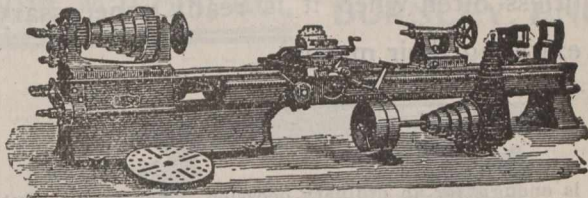
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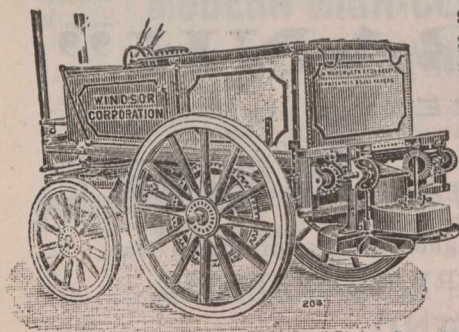
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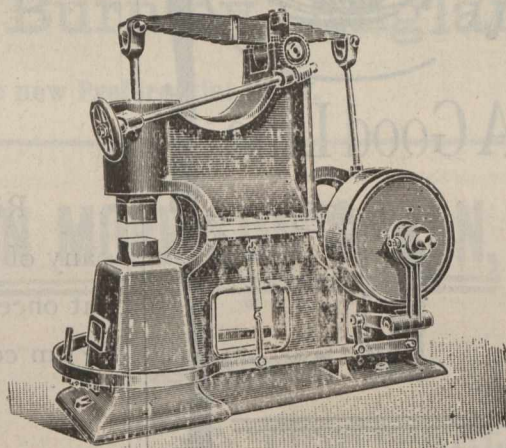


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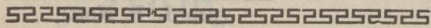
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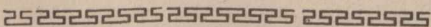
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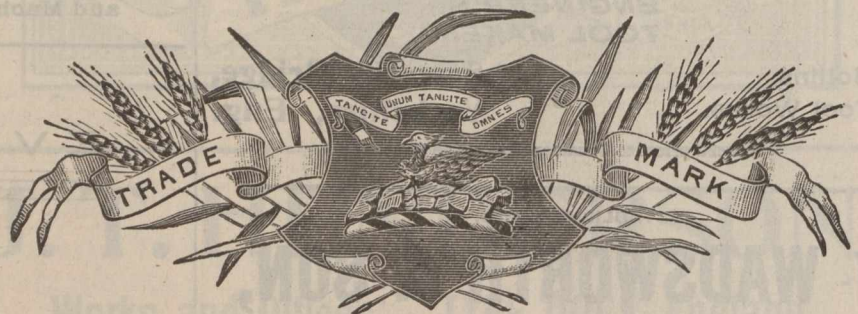
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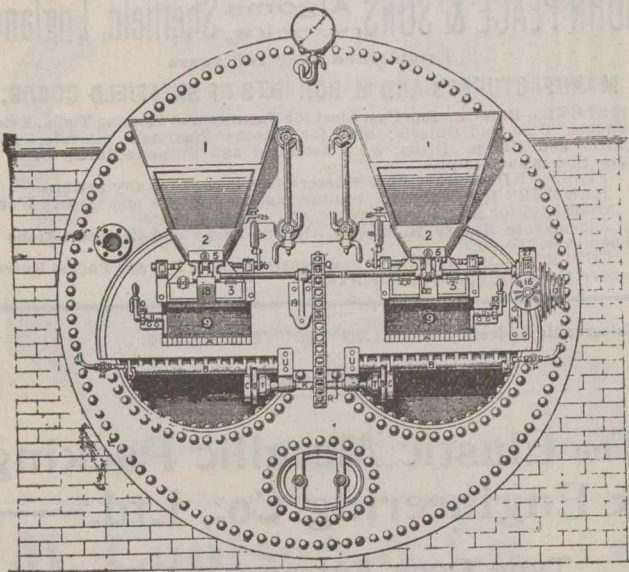
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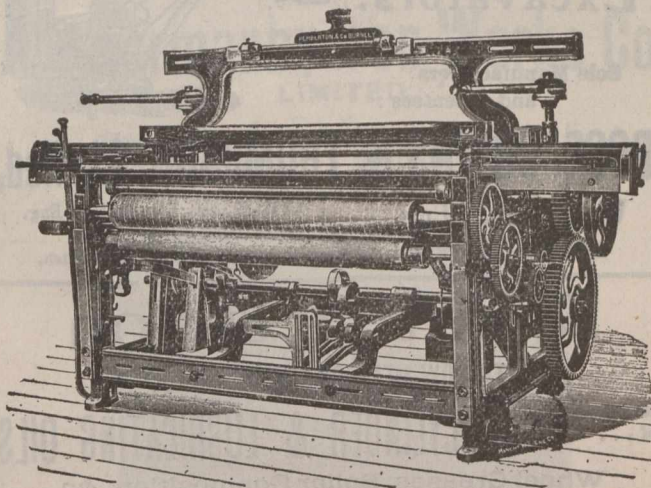
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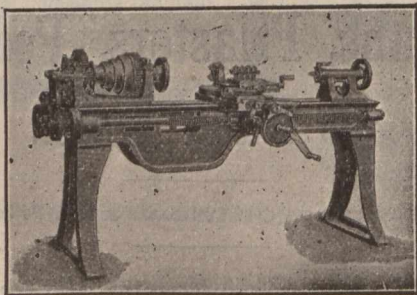
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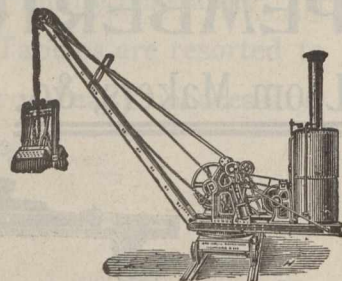
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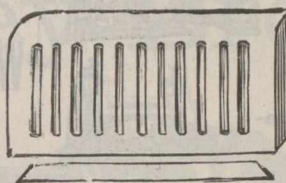
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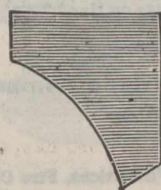




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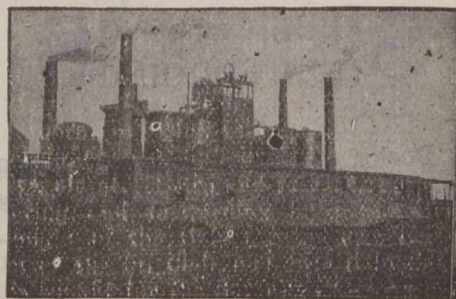
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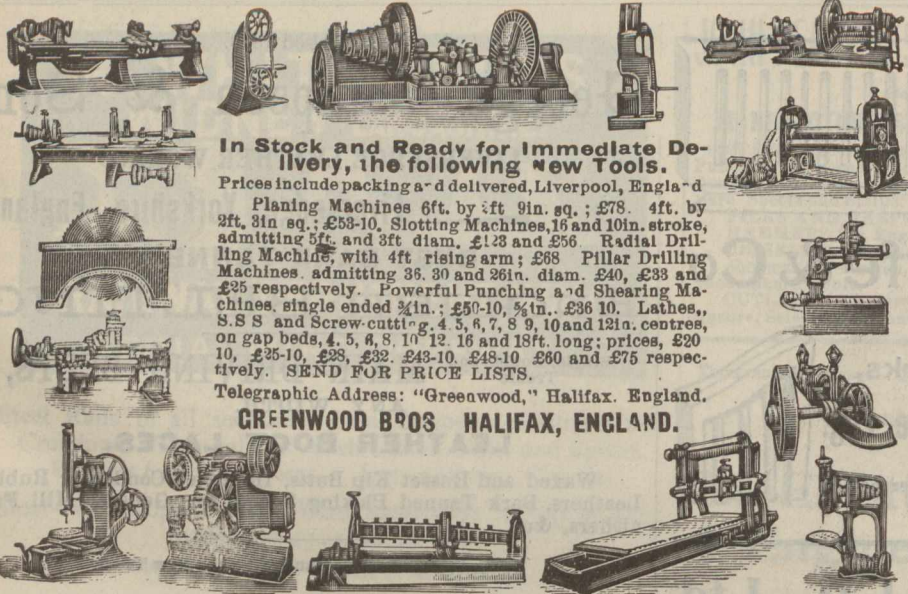
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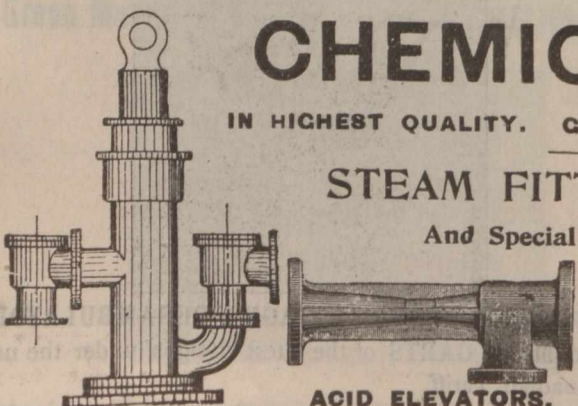
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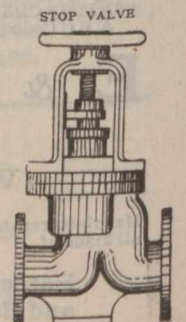
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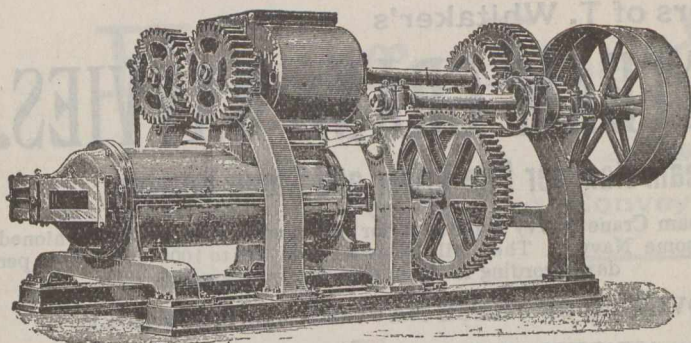
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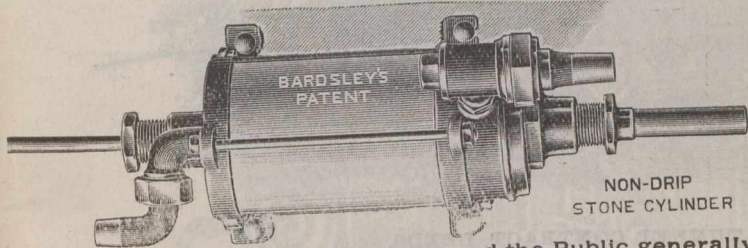
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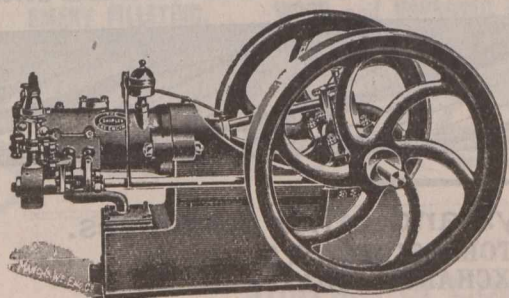
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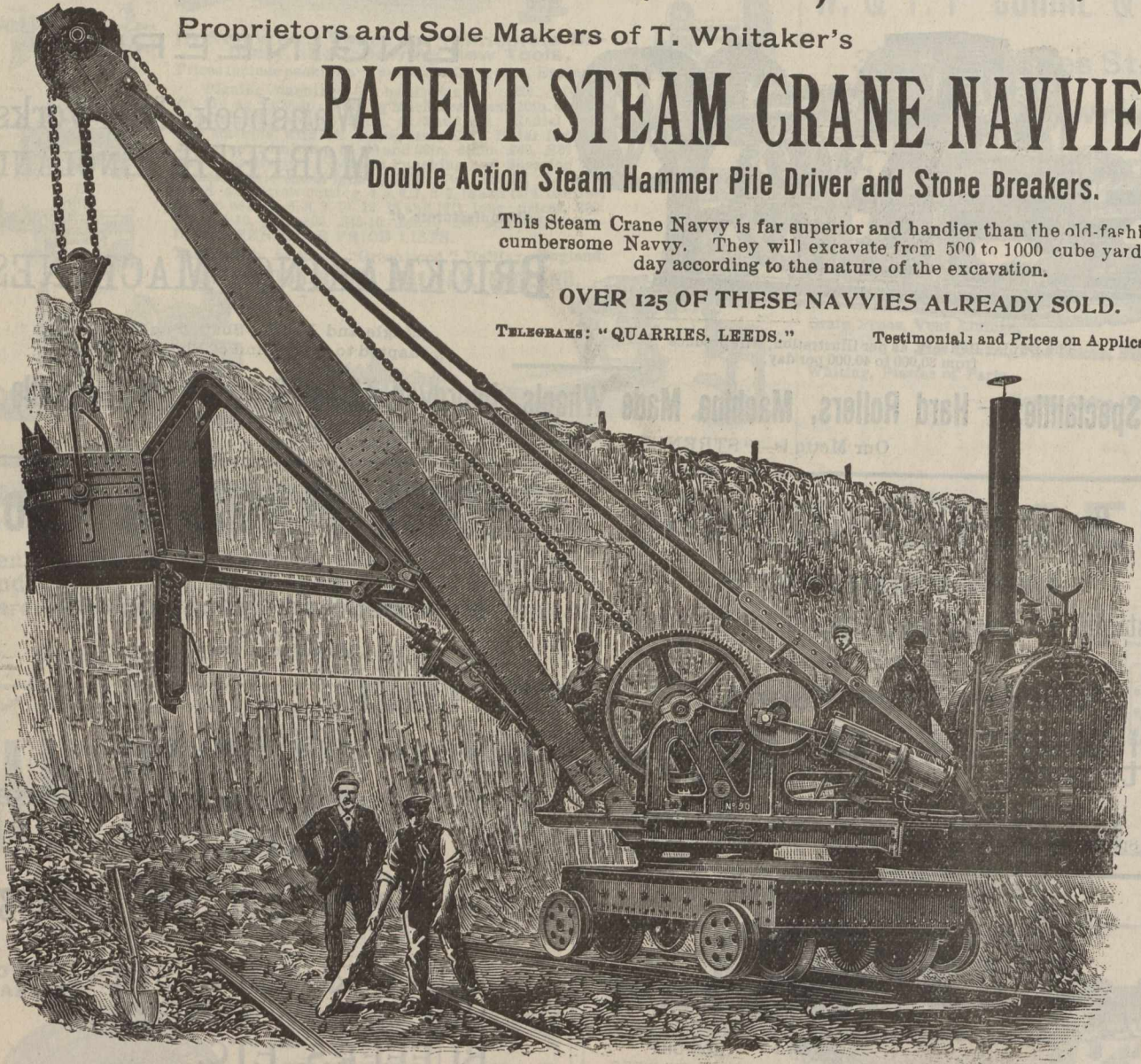
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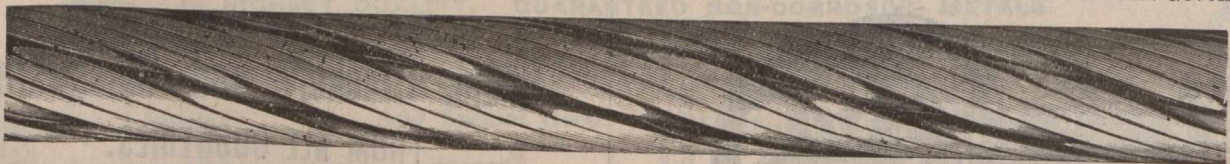
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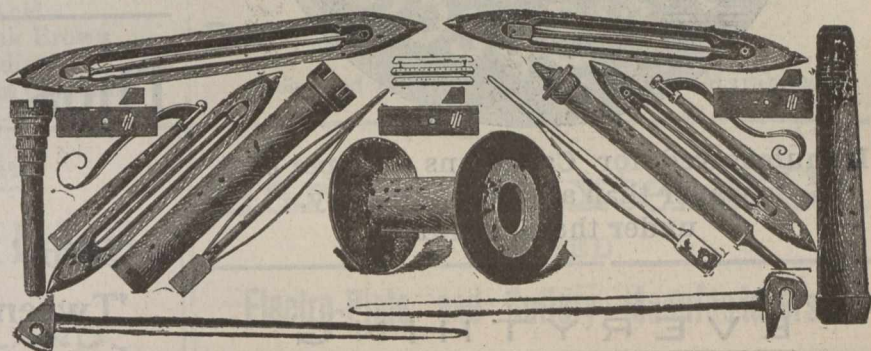
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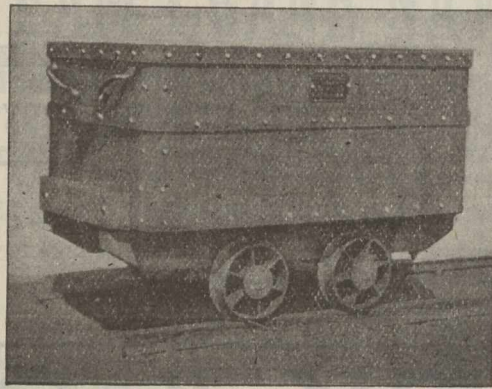
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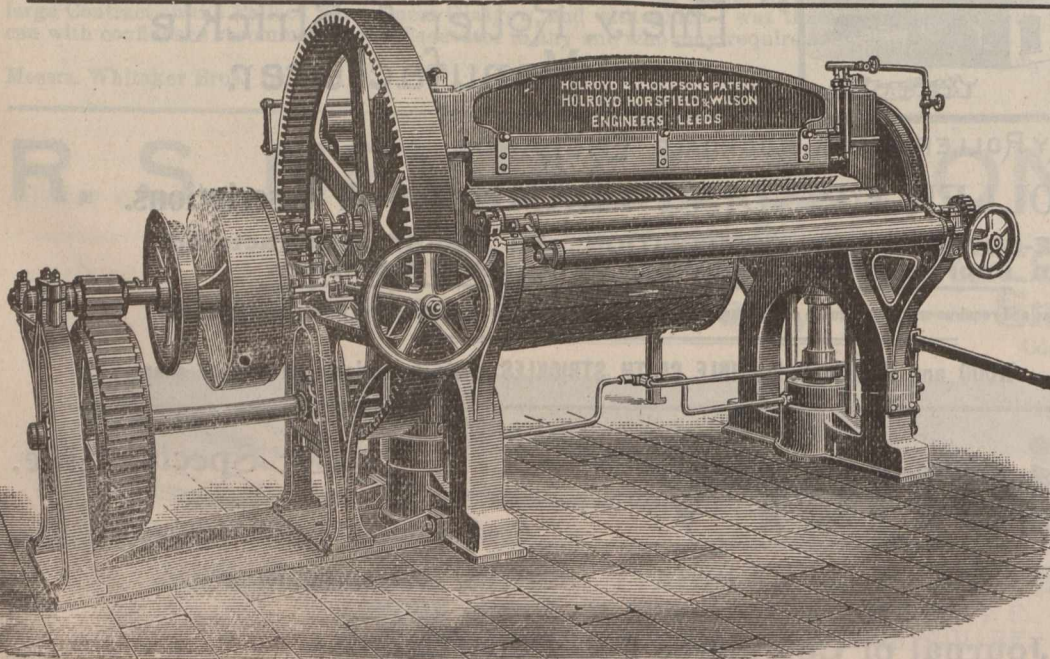
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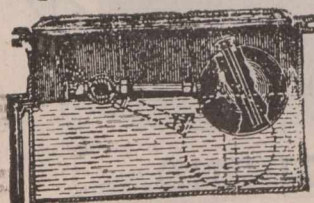
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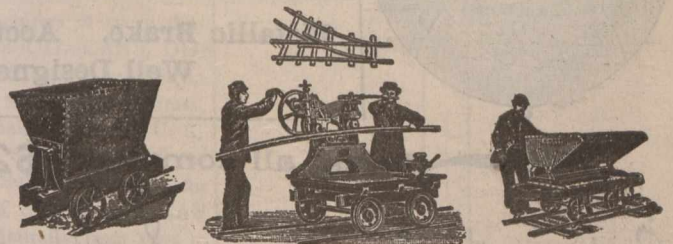
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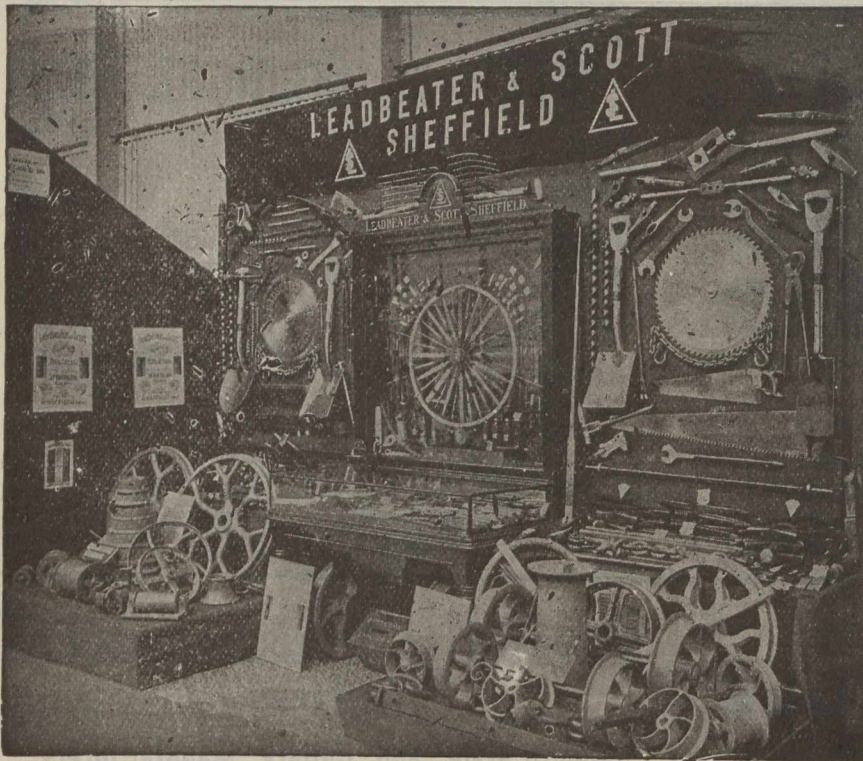
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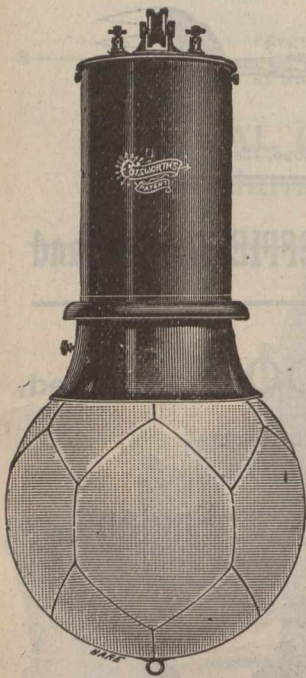
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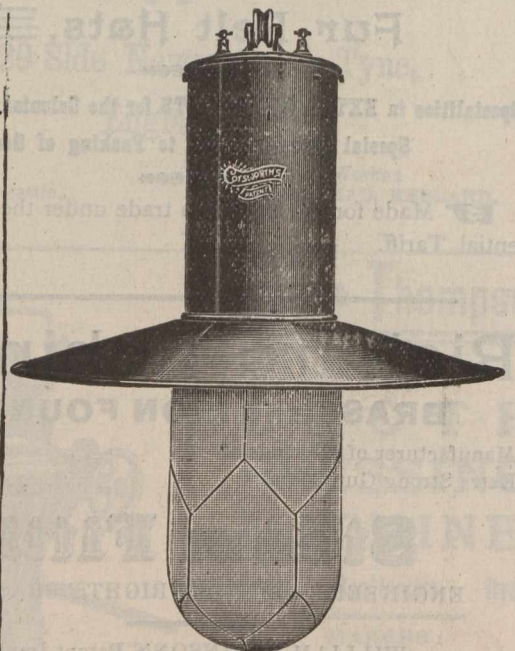


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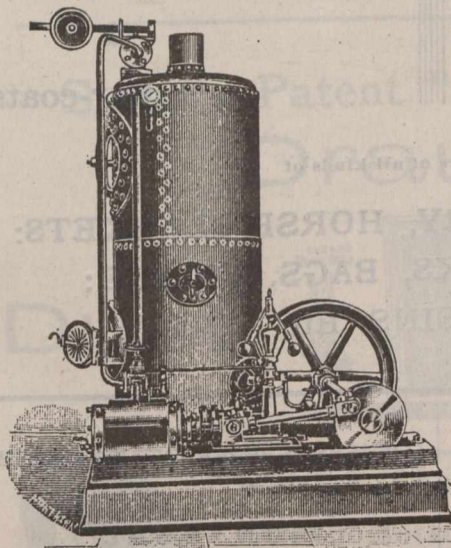
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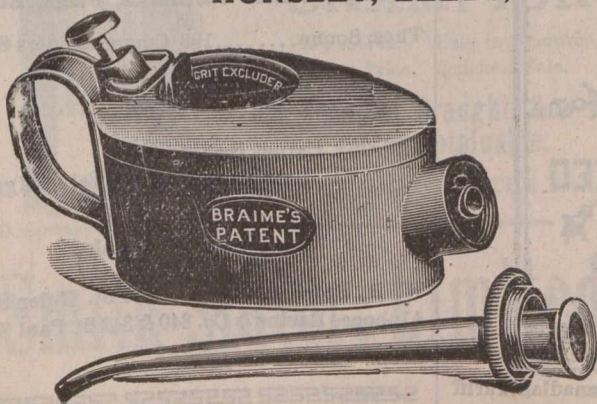
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**THE AUBURN WOOLLEN MAN'FG CO.**  
PETERBOROUGH.

Tweeds, Beavers, etc.

WHOLESALE TRADE ONLY.

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**LOOSE  
LEAF  
LEDGER,** (Miller Patent.)

....ALSO OUR....

**Binders & Sheet Holders,**

For Duplicate Invoices,  
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Before ordering elsewhere.

**WE MANUFACTURE.**

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Stationers, Blank Book Makers and Printers.  
1755 & 1757 Notre Dame St., Montreal.

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An Asbestos Mine. Address with  
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Same Telephone  
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**CAMPBELL'S  
QUININE WINE.**

It will tone up your  
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the appetite.

*The best cure for Debility.*

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Do you want any Printing  
this week? Our Job Depart-  
ment has every facility for  
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Wholesale Branch at BRANDON, Man.

Wholesale  
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Manufacturers of all kinds of

**HARNESS, SADDLERY, HORSE-BLANKETS:  
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Best for Table use **CAMBRIAN VINEGAR**

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MALT VINEGAR LEEDS BREWERY

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**Canadian Colored Cotton Mills  
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Cottonades, Tickings, Denims, Awnings,  
Shirtings, Flannelettes, Gingham,  
Zephyrs, Skirtings, Dress Goods,  
Lawns, Cotton Blankets, Angolas,  
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THE IMPROVED  
**Lancashire Steel Potato Peeler.**  
(Also for Apples, Carrots,  
Turnips, Cucumbers, &c.)



Saves 1 lb. of Vegetable in 6 lbs., and Work done  
in a quarter of the time.  
Sole Makers.

**R. E. COLLINGWOOD,** - Rochdale, Eng.  
Special prices to Canadians under the New Tariff.

Telegrams: "UNITY, PADIHAM."

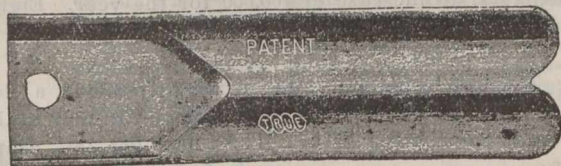
**The Unity Wood & Iron Co.**  
MACHINISTS, IRON and BRASS FOUNDERS,

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.

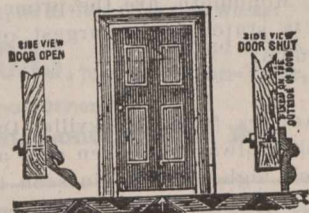


By far the best Roller Temple  
yet produced, and superseding  
Ring or Swiss Temples. Thou-  
sands are now in use and are  
giving the greatest satisfaction.

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**Slater's Patent "RELIABLE"  
Draught**

Dust



& Rain

**Stopper**

For the Bottom of Doors.

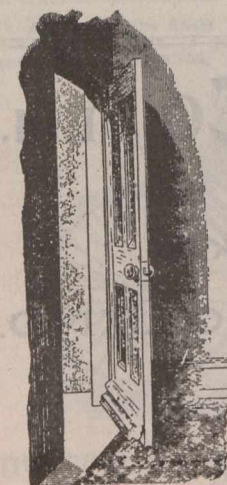
Stock Two sizes, and you can suit ANY  
WIDTH of Door. Cut in Two Minutes  
to any length.

Also THE CHEAP  
"CHAMPION"

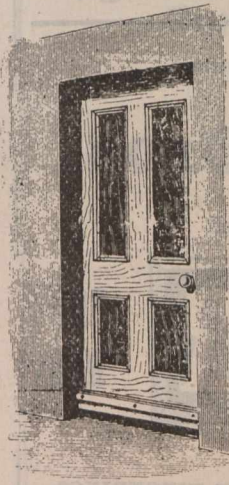
Easy to Fix. Easy to Remove.  
Lowest Price. Quickest Sale.

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

BEST DISCOUNT TO THE TRADE



D.O.R. with Preventer, OPEN.



Door with Preventer, SHUT.

**Smith Slater, Limited,** Greaves Street,  
Oldham, Eng.

**Commercial Summary.**

Merchants, Manufacturers and other  
business men should bear in mind that the  
"Journal of Commerce" will not accept ad-  
vertisements 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 n  
include heavy commissions.

—Toronto Exhibition this year will  
last two weeks. It will open Aug. 30  
and close Sept. 13.

—The Halifax, N.S., Board of Trade  
has elected the following officers:—  
President, G. S. Campbell; first vice-  
president, J. E. DeWolf; second  
vice-president, A. E. Jones; trea-  
surer, H. G. Bauld.

—The Bank of New Brunswick has  
decided to open a branch at Carle-  
ton, N. B. The Rhea building on  
Union street, has been purchased.  
Carleton has a population of 5,000.

—London advices state that Mr.  
Jas. Smart, Canadian Deputy Minister  
of the Interior, is securing offices in  
that city for the purpose of making a  
display of Canada's products with a  
view to encouraging emigration.

—The captains of several American  
fishing vessels on the Southern coast  
of Newfoundland after cargoes of fro-  
zen herring have been fined from \$50  
to \$200 by the Colonial authorities  
for smuggling liquor from St. Pierre,  
Miquelon.

—Owing to the assignment of Mrs.  
Rachel Wolfe, furrier and mantle-  
maker, Toronto, whose offer to  
compromise was referred to in a  
former issue, the meeting of creditors  
which was to have been held last  
week did not take place. The as-  
signee has called a meeting for Tues-  
day, February 4. In the meantime  
the offer of thirty cents in the dollar  
is still open to acceptance.

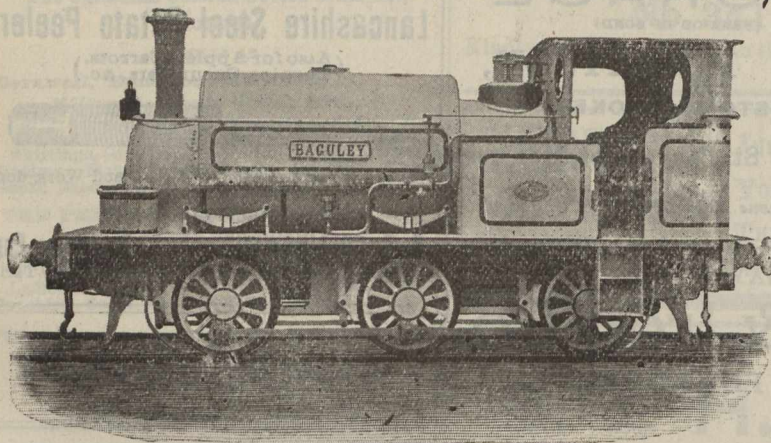


ESTABLISHED 1860.

Telegraphic Address: "LOCO, LEEDS"

# Hudswell, Clarke & Co., Ltd.

## RAILWAY FOUNDRY, LEEDS, ENG.



### LOCOMOTIVE TANK ENGINES,

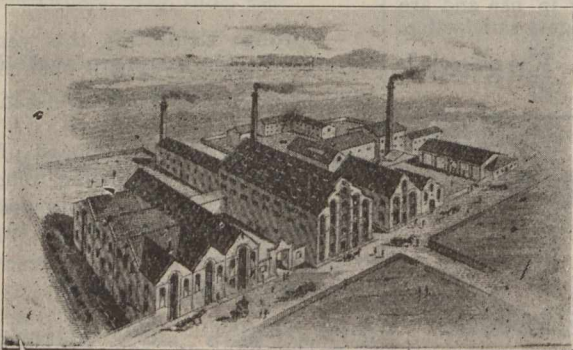
For Main or Branch Railways Contractors,  
Ironworks, Collieries, Etc. All sizes and to  
suit any gauge of Railway.

Prices, Photographs and Full Specifications  
on application.

Sole Makers of **"RODGERS' PULLEYS"** (Registered)  
WROUGHT IRON THROUGHOUT, RIM, ARMS and BOSS.

## Preston's Liverpool Distillery Company, Limited

Finest Grain Spirits,



Distillery: - - - **BANKHALL, SANDHILLS.**

OFFICE:  
**4 India Buildings, Water Street,  
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CONTRACTORS TO H. M. GOVERNMENT.

## HARRAP Bros.

Sole Makers of the Celebrated

CABLE

# SIRDAR

(REGISTERED)

RUG  
WOOL

Also Manufacturers of WORSTEDS, SCOTCH FINGERINGS,  
GERMAN WOOLS, "PRIMULA" ANDALUSIAN, and all  
kinds of KNITTING WOOLS.

Bective Mills, Alverthorpe, Wakefield, England.

Special terms to Canadians under the new tariff.

—The Ottawa Electric Railway last year carried 7,188,781 passengers, an increase of 100,000 for the year. Eight per cent. dividend was paid.

—The Tailors' Union of Ottawa recently made a demand for a 15 per cent. increase in wages, the new scale to take effect on March 15th. They now get 18½ cents an hour.

—Up to Jan. 1st, 456 deposits of gold had been treated at the Vancouver, B.C., Assay Office, which represents 57,221.32 ounces, of the value of \$939,654. The office has been open only since July last.

—The amalgamation in the English iron and steel trades is stated to be practically completed. Guest, Keen & Co. and the Nettlefold Companies, of Birmingham and Newport, Monmouth, are the prime factors. The amalgamation is stated to be largest of the kind in the United Kingdom.

—Advices from Brockville, Ont., say that the Grand Trunk Railway has taken over a couple of the Canada Atlantic's high speed engines on trial, with a view of making a material reduction in speed between Montreal and

## SLADE & Co., Ltd.

THE ROYAL  
TOFFY WORKS,

LEEDS, - ENGLAND.

Manufacturers of  
the finest

### HOME MADE TOFFY.

33⅓ per cent. in favor of Canadians, under the  
New Tariff.



# 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, Hy-  
draulic, Steam, and Pneumatic Mach-  
inery of the most modern construction is  
employed, and all Boilers are made to pass  
Insurance Inspection



## FINE COLORS & PAINTS

Established 1848.

### FINE COLORS

of all kinds for Printers, Printing Ink  
Manufacturers, Lithographers, Artists  
Colormen, Linoleum and Floorcloth  
Manufacturers, Scenic Artists, Imple-  
ment Makers, High Class Painters,  
Decorators, &c.

### PAINTS

Of every description for Painters, Decorators, &c.

### VARNISHES

For Coach and Carriage Builders, House Decorators,  
&c., also Litho Varnishes.

SPECIALITIES :—Holmes' Durable Reds, Permanent Madder  
Reds, Crimsonettes, Persianettes, Vermillionettes, Lakes, Pulp  
Colors, Blues, Greens Lime Colors, Drop Blacks, Chromes,  
White Zinc, etc.

Write for Prices and Samples to Head Offices and Works:

**W.H. HOLMES & SONS,** Portland Road,  
Newcastle-on-Tyne, Eng.

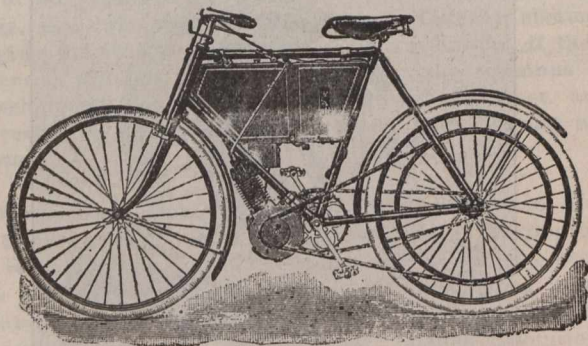
LONDON OFFICE:

40 St. John Street, London, E.O., Eng.

ESTABLISHED 1887.

Telegrams:—"PNEUMATIC, Leeds."

Absolutely the finest Motor Cycle made. Simplest to Manipulate.  
Easiest to Regulate. A perfectly balanced machine, ensuring easy steering  
and absence of vibration. Can be ridden as an ordinary Free Wheel Machine.



THE IMPERIAL MOTOR BICYCLE,

MANUFACTURED BY THE

LEEDS MOTOR EXPERTS,

**WALKER BROS.,** "PRIMO"  
WORKS,

Meanwood Road, LEEDS, Eng.

Toronto, The first run was made recently with the fast  
express, several of the Grand Trunk officials being aboard.

—It is stated at York, Pa., that the Northern Central  
Railway will shortly begin the work of removing 1,000  
wooden ties at Middletown Ferry and Goldsboro, and re-  
place them with steel ties now being made by the Penn-  
sylvania Steel Company at Steelton. If the steel ties  
prove a success, they will, it is said, replace wooden ties  
on the Pennsylvania railroad system.

—The rapidity with which settlement is going on in  
the west is well indicated by the records of the Dominion  
Lands Agencies. From these reports it would ap-  
pear that for the year ending Dec. 31, 9,100 homestead en-  
tries, representing a gain of 23,034 in population, were  
made, as against 7,850 entries, representing an addition  
of 24,568 in population, for the previous calendar year.

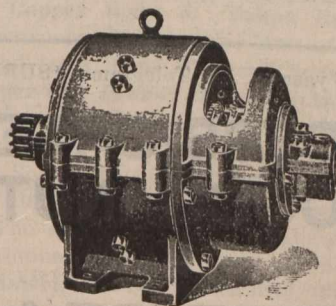
—What constitutes pure vinegar is a question which  
every dealer in that liquid cannot explain. Chicago ad-  
vice state that the campaign for pure food had already  
borne fruit. Eighteen grocers faced a local justice re-  
cently, and paid fines of \$5 and costs for selling impure  
vinegar. The charges were preferred by the Assistant  
Food Commissioner of the State Board of Health.

## ALFRED SYKES,

ELECTRICAL  
ENGINEER,

Spring Place Works,

Huddersfield,  
ENGLAND.



NOTE—Buy British Dynamos, under the New Canadian Pre-  
ferential Tariff, 33 1/3% in favour of English Goods.



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

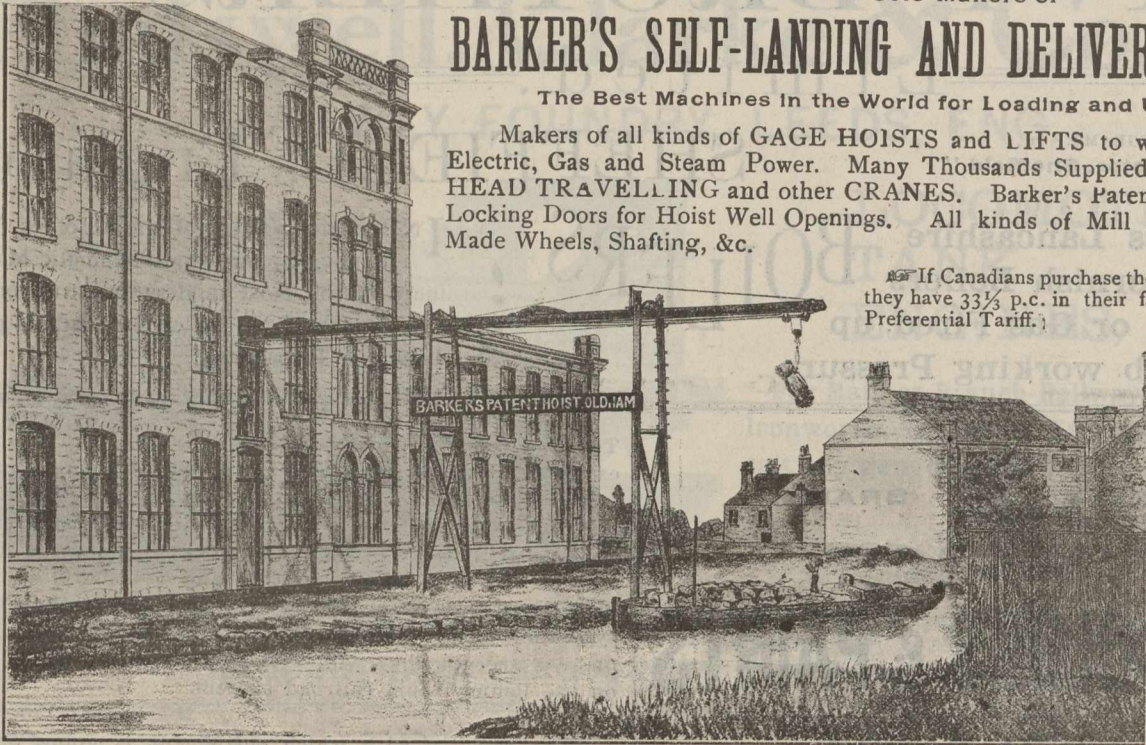
Original Inventors, Patentees and Sole Makers of

**BARKER'S SELF-LANDING AND DELIVERING HOISTS**

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

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

If Canadians purchase these Cranes in England, they have 33 1/4 p.c. in their favour under the new Preferential Tariff.



**Barker's Patent Hoist.**

70 ft. long, 30 ft. high. Winds one Bale per Minute.

**OVER 2,000 AT WORK.**

—Mr. E. A. Hardy, secretary of the Public Library Board of Lindsay, Ont., has received a letter from Andrew Carnegie's private secretary conveying the news that Mr. Carnegie had granted to Lindsay \$10,000 for a public library building, on condition that a free site be granted by the town and that \$1,000 is provided a year for maintenance.

—From Chicago it is learned that Elbert H. Gary, chairman of the board of directors of the United States Steel Corporation, has been elected chairman of the board of directors of the Allis-Chalmers Company, the largest machinery company in the world. Its capital is \$25,000,000. The announcement has caused a sensation in commercial and financial circles there, as it means that Steel Trust intends reaching out into another line of business.

—Louisville, Kentucky, advices state that oil developing companies have here formed all over the State and are making good strikes of illuminating and occasionally of very fine lubricating oil. The existence of oil has long been known in these fields, and the Standard Oil Company has been developing Knox and Floyd counties and piping out the oil for ten years. It is now going into other fields and it is believed the production of Kentucky oil will become a very important industry.

—Ottawa advices state that Mr. C. R. Devlin, Canadian Commissioner in Ireland, and Mr. W. D. Scott, Commissioner for Wolverhampton, interviewed Mr. Fisher with reference to the exhibit which the Canadian Government proposes to make at the International Exhibition to be held at Cork next summer. The Minister approved of the designs presented for the pavilion, and the general arrangements projected. The exhibition lasts from May 1st to November 1st.

**SASH WEIGHTS**



Manufactured for the Canadian Market under the New Tariff, by

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

Established 65 years. Telegrams: "SURLIME, Liverpool.

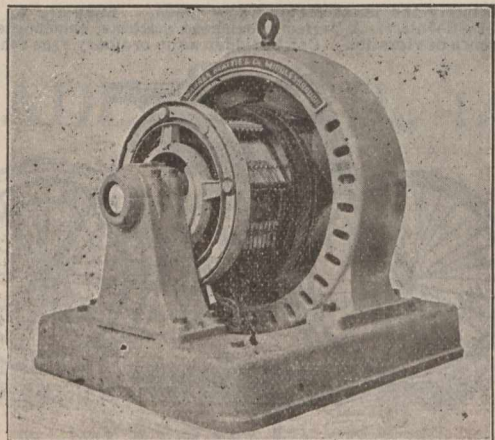
**DESSICATED COCOANUT.**

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

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

**LIVERPOOL, Eng.**

TELEGRAMS:—"Install," Middlesbrough.



300 KILOWATT DYNAMO.

**Warren, Beattie & Co.,** ELECTRIC POWER ENGINEERS.

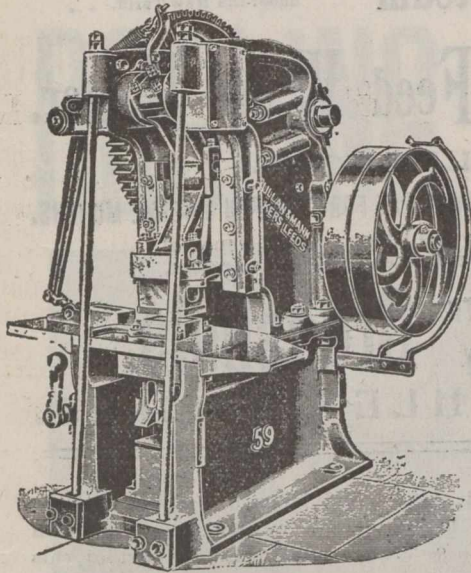
Contractors for Complete Electric Power and Lighting Installations for Mines, Shipyards, Iron and Steel Works, etc., etc.

... MIDDLESBROUGH, England.



Telegraphic Address:—"CAMBRIAN, LEEDS."

Telephone No. 1282.



# PULLAN & MANN'S

## Steam-Power Brick and Tile Press,

**IMPROVED NEW  
HEAVY DESIGN.**

Capacity 10,000 to 12,000 best facing bricks per day. Will press Bull Noses, Splays, and other Ornamental Bricks. Also Flooring Tiles, Paving Bricks, etc. Puts two slow nips on each Brick. Approx. weight, 3 tons. Only one horse power required to drive. Small Engine combined with Press if required. Safety-Guards fitted round Press not shown in illustration.

This Brick and Tile Press is a strong and massive Machine, simple in construction, having few wearing parts, and costing very little for repairs. It is self contained, requiring merely two timbers to rest upon.

The great pressure applied to each brick or tile is obtained by a powerful arrangement of toggle levers, which gives two slow nips to each brick. The pressure remains on the bricks for a considerable time, thereby squeezing out all the air and making a good, sound brick.

The motions for feeding and delivering the bricks to and from the mould, and also for lifting them out of the mould, are all self-acting and simple. The bricks can be delivered either side, and the Press can be easily regulated to press any thickness of bricks.

Toggle levers and other parts subject to great stress are made of best crucible cast steel, and all shafts run in gun-metal bearings of large wearing surfaces, and the whole is constructed of the best workmanship and material.

**PULLAN & MANN,** Cambrian Works,  
11land Road, **LEEDS, ENG.**  
Patent Improved Brick, Tile, and Sanitary Pipe Machinery, Etc.

The Canadian Northern Railroad is making extensive preparations to cope with next season's harvest, and intend to spend about \$2,000,000 in improving the rolling stock. There will be sixteen new locomotives and orders are issued for about 1,000 box cars of the largest capacity for wheat hauling. The difficulty is, it is stated, that most of the locomotive and car shops are overcrowded with orders, and many of them can take no new orders for the next two years. By next autumn, however, the company will have about eighty locomotives in use.

Quebec advices of recent date announce that Mr. Harvey Graham, representing the Nova Scotia Steel and Coal Company, had an interview with the Quebec Harbor Commissioners, the object being to obtain a site for the storage of one hundred thousand tons or more of coal annually, also wharfage accommodation for the steamer bringing the coal to Quebec. The company intend, if their request is granted, to make that port the terminus of transshipment for their coal throughout the West, and are ready to erect a rapid discharging labor-saving apparatus.

The annual convention of the North American Fish and Game Protection Association was held at Burlington, Vt., recently, a large number from the various provinces of Canada and the States of the Union being in attendance. After the election of officers and appointment of committees for the ensuing year, various resolutions to carry out the object of the association were adopted. Hon. F. R. Latchford, Minister of Public Works, Game and Fisheries for Ontario, was unanimously chosen President, and Ottawa was decided upon as the next place of meeting.

A late London cable says: There is a column letter in the Times signed J. A. Farquhar, on the possibilities of a fast Canadian line. The writer says that if Canada and

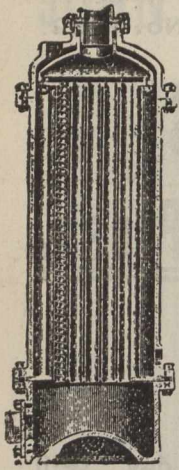
England are prepared to give liberal subsidies such a line is likely, otherwise it is very unlikely. The vessels, if the line is established, should be twenty-three-knotters at least. The papers generally publish Lord Strathcona's letter, directing attention to the vast increase in the trade of Canada, and inviting all interested in the development of inter-Imperial trade to apply to him for information required on the subject.

The Pittsburgh Reduction Company has decided to largely increase its plant at Shawinigan Falls, Que. It uses now 5,000 horse power in water for the manufacture of aluminum, but has acquired a new process for the extraction of the alumina from the boxite. Hitherto this was done elsewhere by a chemical process, but the company has decided to do this work itself and has contracted with the Shawinigan Water and Power Company for 1,300 electrical horse power in addition to the water it already uses. It will also go into the manufacture of wires and cables. The new departure will mean the addition of about 100 to the number of employees.

The Alaska, Copper River & Yukon Railway Company has been incorporated under the laws of Washington to build a railroad from Prince William's Sound in Alaska through the Copper and Tanana River country, to a point on the Yukon River near Eagle. The company proposes, in addition, to operate a steamship line from Seattle to Prince William's Sound, to build and maintain a smelter and refinery in Alaska, and to carry on general mining transactions. The corporation is capitalized at \$25,000,000, the entire amount of which, it is claimed, has been subscribed by eastern and foreign capital. The estimated cost of the railway is placed at \$10,000,000.

A peculiar difficulty confronts foreigners in their efforts to push trade in Russia. Regarding the rating of Russian firms, the U.S. Consul-General at St. Petersburg says: "One of the greatest hindrances to our business in





# The "Airedale" Exhaust Steam

Special prices to Canadians  
under the New Tariff. . .

Green's Patent.

## Pressure Feed Water Heater.

WITH SPIRAL DEFLECTORS.

THE MOST EFFICIENT HEATER ON THE MARKET.

WILL PAY FOR ITSELF IN TWELVE MONTHS.

By means of the SPIRAL DEFLECTORS, as fitted to this Heater, the efficiency of the apparatus is doubled, as compared with a similar Heater without Deflectors.

# JOHN BARRETT, Eastburn Crosshills, Foundry

Telegrams: "BARRETT," Crosshills.  
Engineering Telegraph Code.

# KEIGHLEY, England.

Russia has been the difficulty in ascertaining the financial standing of firms soliciting credit, as commercial or inquiry agencies are unknown in this country. The usual way of prosecuting such inquiries is through special attorneys, who investigate and report on each case separately, charging according to the time occupied, viz.: From 10 to 100 rubles (\$5.15 to \$51.50). Germany enjoys the bulk of Russian foreign trade, and gives long credits. The paper is handled by German banks, which are well advised as to the standing of leading business houses in Russia."

—The Cereal Sugar Company, of Peoria, Ills., through an old German vinegar maker, has, it is stated, discovered a process whereby one gallon of hydrol, a by-product in the refining of sugar, can make one gallon of excellent crude spirits and about three gallons of good vinegar. The discovery has caused much interest among the glucose and distillery people. The commercial value of hydrol is 7 cents per gallon. One gallon of crude spirits is worth \$1.32 on the market. There is a tax of \$1.10 per gallon on it, and the cost of producing is about 3 cents per gallon, leaving a profit of 19 cents per gallon as against a profit of 7 cents on the hydrol. The Cereal Sugar Company will put in a still and secure patents covering the discovery and begin the manufacture of crude spirits at once.

—The Trentwater Conservative Association was organized at Peterboro', Ont., recently at a meeting attended by a representative gathering of those interested in water powers or lumbering on the Trent Canal system and tributary waters. The object is to preserve a higher level of water in the various lakes and rivers, forming a part

of the Trent Canal system and lakes and rivers flowing into the same and to preserve a more regular, uniform flow of water in the several rivers forming a part of this system. A resolution was passed urging the Dominion Government to take over the dams at Hollow, Raven and Wren Lakes, and a deputation will go to Ottawa to support it. The officers elected were: Hon. President, Hon. George A. Cox; President, David Gilmour, Trenton; First Vice-President, J. H. Kilburn, Lakefield; Second Vice-President, Thomas Sadler, Lindsay; Secretary-Treasurer, Arthur Stevenson, Peterboro'.

—In consideration of the speedy growth of the Canadian Northwest, culminating in the harvest of 1901, the Canadian Pacific Railway has requested the Dominion Government to sanction a resolution authorizing the board of directors, with the approval of the shareholders, to raise the capital stock of that company to the extent of \$20,000,000, to be devoted to the building of new locomotives and cars, the laying of heavier rails, arrange in due course for the double tracking of certain sections, and provide other improvement as may be thought necessary to cope with the increase of traffic which has already taken place, as well as with the still greater demand that is looked for. The sums to be expended are: For new rolling stock, \$9,000,000; double-tracking, \$6,000,000; new plants for construction of rolling stock, mainly at Montreal, \$1,500,000; new elevators and improvement of terminals, \$3,000,000; miscellaneous improvements, \$500,000.

—Community of interests continue to spread under the starry flag. A Philadelphia letter states that the East Coast Milling Company, lately incorporated with a capital of \$2,000,000 preferred and \$7,000,000 common stock, has

# BROWETT LINDLEY & CO., LTD.

Patricroft, Manchester, England.

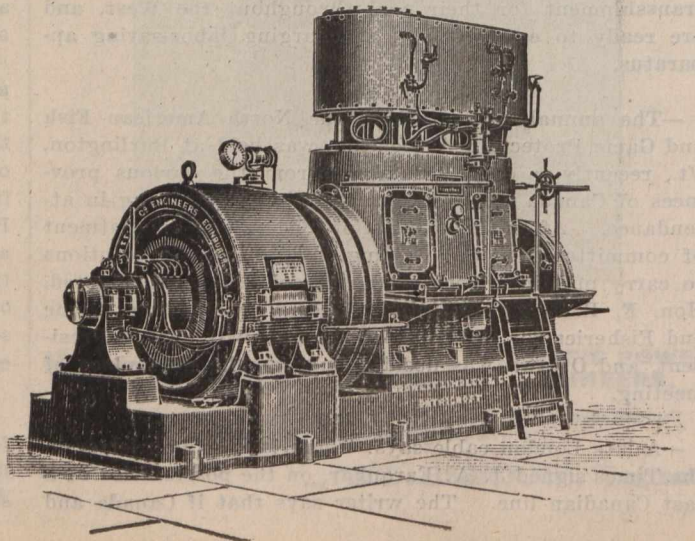
Manufacturers of High-Speed,  
Enclosed Type,

## 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.

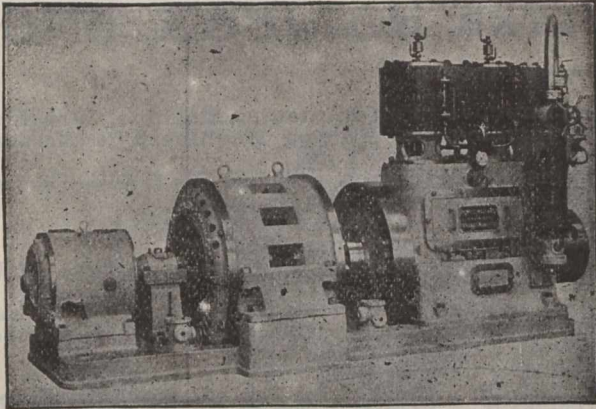
SOUND & RELIABLE BRITISH MANUFACTURE.





Telegrams: "MAGNETO," Bradford.

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Bradford, Yorkshire, England.

acquired control of the Eastern Milling and Export Company, as well as the Atlantic Flour Mills Company. The company will operate the twenty-seven mills of the Eastern Milling and Export Company, in connection with the new 5,000-barrel mill to be built on the Philadelphia water-front. The company owns piers 31 and 32, North Delaware wharves, on which it is about to erect a double-deck superstructure, in which will be located a blending plant that will be capable of turning out another 5,000 barrels of flour a day, and will have a storage capacity of 200,000 barrels of flour or other merchandise. Adjoining this will be erected a system of pneumatic steel storage tanks and elevators with a capacity of about 6,000,000 bushels of wheat. The capacity of the combined companies will be about 18,000 barrels daily.

—An increase in the capital stock of the Warton, Ont., Beet Sugar Manufacturing Company from \$150,000 to \$500,000, is officially announced, to be divided into 20,000 shares of \$25 each. The Wallaceburg, Ont., Sugar Company is empowered to increase its capital from \$300,000 to \$325,000.—The surrender of the Grip Printing and Publishing Company charter has been accepted, and a new charter has been issued incorporating a company to be known as Grip, Limited, with head office in Toronto, a capital of \$75,000.—The Pittsburg Coal Company is empowered to acquire or construct wharves at Sandwich and Amherstburg, Ont., for receiving and storing coal. The following other companies are granted charters: The Richmond Conduit and Manufacturing Co., Toronto, capital \$40,000; the Broadbent Wood Turning Co., Parry Sound, capital \$20,000; the Dufferin Casket Co., Orangeville, capital, \$50,000; the Hamilton, Berkinshaw Co., dry goods, Toronto, capital \$40,000; the Canadian Cream Cheese Co., Ottawa, capital \$5,000; the Hawkins Construction Co., contractors, etc., Toronto, capital \$20,000.

—The annual report of the Montreal Board of Trade was issued recently. The export of cheese, while showing a falling off compared with 1900, is on a better and more satisfactory basis than it was a year ago, but Canada's export butter trade continues to increase steadily. The Government returns of the trade of the country afford encouragement, the exports for 1901 aggregating \$196,487,632, being double the figures for 1891, \$98,417,296, while for the same period the imports have increased from \$119,967,638, to \$190,415,535. There is to-day to the credit of the public in the Banks of Canada no less than \$407,000,000, a much larger sum than ever before recorded, which is another evidence of the country's prosperity. The number of failures, on the other hand, shows a steady decrease. The trade of the port of Montreal shows a small

increase in the total tonnage, and in the value of imports, but a considerable decrease in the value of exports. The figures for 1901 are: Total tonnage, 1,453,048; exports, \$56,220,759; imports, \$65,632,806. For 1900 they are: Total tonnage, 1,393,886; exports, \$62,496,431; imports, \$64,071,590.

—The C.P.R. land sales and the property disposed of by the other large corporations in the west show a favorable change in the feeling toward Canada. In 1897 the Canadian Pacific Railway sold 199,481 acres of its land grant. In 1900 this had grown to 431,986 acres. Last year's transactions were double those of any previous season, the area disposed of being 830,916 acres. In the whole of 1894 only 49,000 acres were sold altogether by the company, while in November last the sales for this single month amounted to 151,922 acres. It should not be imagined, that the C.P.R. sales cover the land purchased by companies and settlers along their lines. There were sales by other owners which bring the total up to at least one million acres. The amount realized by the C.P.R. from its land sales last year was \$2,642,890. In 1891 it was \$414,945. The Canada & Northwest Land Company's sales in 1901 almost doubled the record of the previous year. Besides these, the Hudson Bay Company, the Manitoba & North-west Land Company and other concerns did a business beyond the best showing of previous years.

—A powerful British-American syndicate, represented in London by Mr. Howard Crosby Cooke, and in America by persons looking after the interests of the Gould family, according to the London Express, is planning to build a large fleet of refrigerator steamers. These boats will run, with weekly sailings, from Bristol. One line will travel between Bristol and New York, and another between Bristol and Boston. The third service will unite New Orleans and Bristol, and it is proposed by this last route to bring California two days nearer England. The railroad haul from California to New Orleans will be two days shorter than to New York. Fruit will be carried over the Texas Pacific & New Orleans Railroad, which accounts for the Gould interests in the new line of refrigerator steamers. This project is the outcome of the recent visit to the United States. The new line will work in connection with the cold storage plant now in process of erection in Bristol. Bristol docks are now being constructed and improved at a cost of over £1,000,000. The great warehouse which is being built will contain 1,000,000 cubic feet of space, capable of storing from 12,000 to 15,000 tons of general produce.



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—Another great step in the utilization of Niagara power is announced. On the American side of the falls, says a dispatch, the Niagara Falls Power Company has long had in operation eleven dynamos, each driven with its own turbine, and developing 5,000 horse power. A wheel pit parallel with the first was recently completed, and within the last year orders were given for eleven more water-wheels and generators. When these are installed the company will be able to supply 110,000 horse power in the form of electricity. Operations are now to be undertaken on the Canadian side. It is stated that contracts have just been placed with the General Electric Company for the construction of three ten thousand horse power generators for the new plant, whose ultimate capacity, it is estimated, will probably reach 200,000 horse power. The negotiations have been conducted by the Canadian Niagara Power Company, which had the original charter for

the enterprise, but whose rights have been acquired by the American Company. These dynamos will be situated like those of the Niagara Falls Power Company, at the level of the surface of the earth, while the turbines will be in a pit directly underneath. Vertical shafts over one hundred feet long will connect the water-wheels with the generators. It is asserted that these dynamos will be the largest ever built. The closest approach to them is made by those being installed in the power house of the Manhattan Elevated Railway Company of New York.

—The Toronto City Council recently passed, by a large majority, a resolution favoring the purchase of the gas works and the securing of authority from the Legislature to establish a pole line and bring electric energy from Niagara Falls. The proposed settlement with the Gas Company was set aside and a committee appointed to

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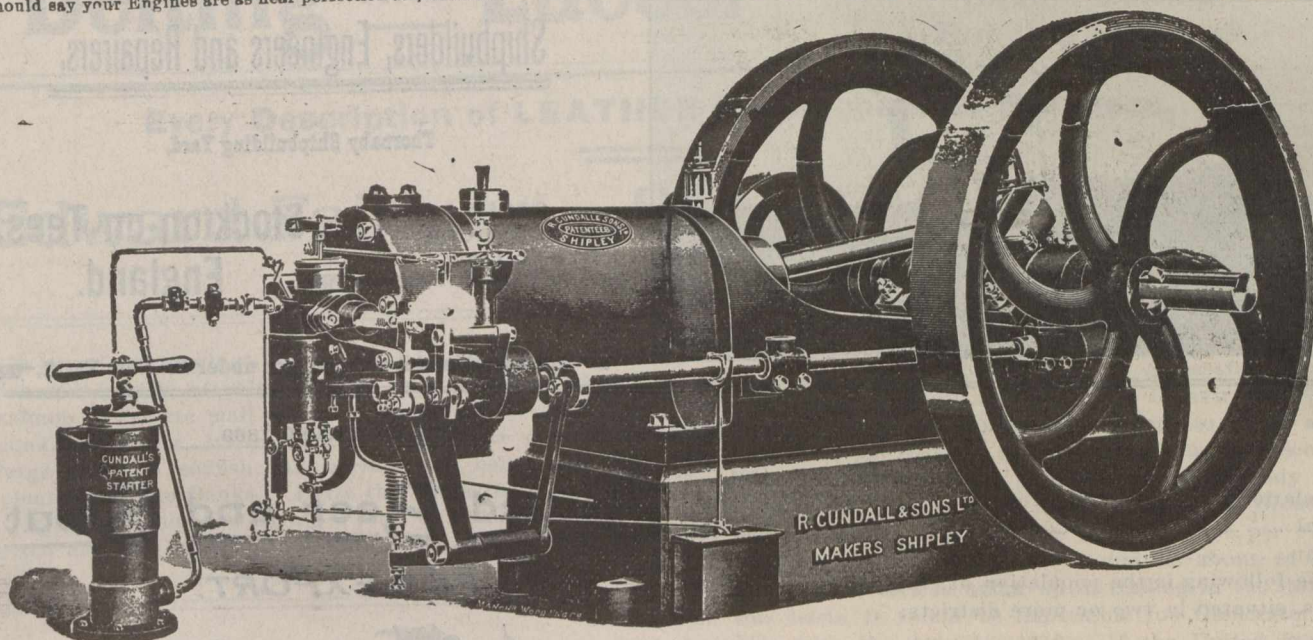
"You will be glad to know that the 2-Brake Oil Engine which I got some time ago is giving me entire satisfaction. It is running very steadily—so much so that I am able to supply my Electric light direct, without the slightest waver in the light. It is very easily started. I should say your Engines are as near perfection as possible."

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consider the best means of acquiring the plant. The Electric Light Company, according to a late letter, does not seem disturbed regarding the coming competition between steam produced electricity and that produced by water. Mr. J. J. Wright, manager of the company, said that his company had no contract for a supply of power from Niagara Falls for use in Toronto. Negotiations had been proceeding between the two companies for some five years, but his company had not yet been able to see how they could get the power from Niagara Falls cheaper than they now manufactured it. The great difficulty, he said, would be the cost of transmission. It would cost from \$1,500,000 to \$2,000,000 for a pole line, and then there was the cost of operation and distribution besides. When these charges were taken into account it amounted to more than the coal bill under existing circumstances. Then there were so many incidentals to be taken into account, such as liability to interruption and the disabilities which were unavoidable upon a line of some 80 miles in length, the distance between Niagara Falls and Toronto. It would, therefore, be absolutely necessary, in order to meet emergencies, to retain the existing steam plant.

—An Ottawa letter states that Dr. Seward Webb has about completed the purchase of the Canada Atlantic Railway. In that city this week he stated that the Canada Atlantic would aid his other railways and its purchase would mean a faster service between Ottawa and New York. The capital stock of the Canada Atlantic Railway consist of \$2,000,000 of preferred stock, \$5,200,000 of common stock, and \$4,200,000 of first mortgage 5 per cent. bonds, total \$11,400,000. The road is well equipped. The net earnings of the company last year were \$403,000. The purchase price of the Canada Atlantic is said to be \$10,000,000. That figure would pay nearly par on all the stock, both common and preferred besides taking up the bonds, so that the stockholders, principally Mr. Booth, would get good value for their interest. The Booth sys-

tem runs from Parry Sound, on the Great Lakes, to Co-teau on the Grand Trunk, thence crosses the St. Lawrence to Valleyfield, and into the States, and goes to Swanton, Vt. At Valleyfield it connects with the St. Lawrence & Adirondack system, an adjunct of the New York Central. The St. Lawrence & Adirondack goes from Valleyfield towards Montreal, which it reaches over the Canadian Pacific bridge at Lachine. But it is designed to extend the St. Lawrence & Adirondack to St. Lambert, opposite Montreal, where it will connect with the South Shore Railway, which is being built to Quebec. Dr. Webb is said to be engaged in a project to consolidate the South Shore Railway in Canada with the Quebec Southern, which runs from Swanton, Vt., to Sorel, Que. The whole result of the purchase of the Booth system by Dr. Webb and his friends will be to consolidate under the New York Central control, a railway connection between the great lakes to Quebec, via the South Shore of the St. Lawrence.

—Bulletin No. 2 has been issued by Census Commissioner Blue, giving the population of the Provinces of Manitoba and Ontario by census districts classed as rural and urban, and compared with census of 1891. In Ontario during the last decade there has been a falling off of 48,133 in the rural population, which now amounts to 1,247,190, as against 1,295,323 in 1891. On the other hand, the urban population amounts to 935,752, as against 818,998 ten years ago, or an increase of 116,754. This shows the extent to which the population in the rural districts has been drifting to the cities. In Manitoba large gains have been made in both classes of the population, but especially in the rural districts. The figures are:

Ontario.

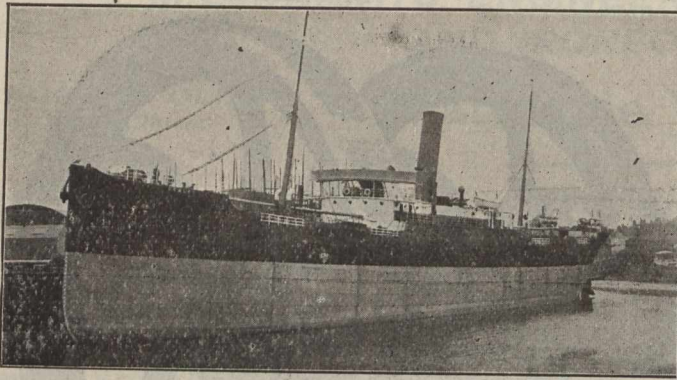
	1901.	1891.
Population . . . . .	2,182,942	2,114,321
Rural . . . . .	1,247,190	1,295,323
Urban . . . . .	937,752	818,998



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Special estimates to Canadians under the New Tariff.

Manitoba.

	1901.	1891.
Population .....	254,947	152,506
Rural .....	184,714	111,498
Urban .....	70,233	41,008

The following is the population of cities, towns, and villages, situated in two or more districts:

	1901.	1891.
Barrie .....	5,949	5,550
Eganville .....	1,107	710
Hamilton .....	52,634	48,959
London .....	37,981	31,977
North Toronto .....	1,852	.....
Ottawa .....	59,928	44,154
Tilbury .....	1,012	925
Toronto .....	208,040	181,215
Smith's Falls .....	5,155	3,866

—The distinct channels into which the fish trade is kept, admits of but little thought being given this branch of trade, outside of those personally interested. The interest taken in New York and Boston in the Canadian fishing trade is shown by the following report received this week from the former city. In most quarters a good, active interest is shown in the principal descriptions of salt fish, distributors at interior points purchasing more freely for Lenten requirements. There arrived recently on the steamer from St. John's, N.F., and Halifax, N.S.,

ESTABLISHED 1869.

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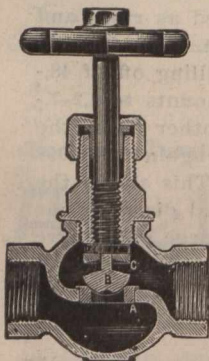
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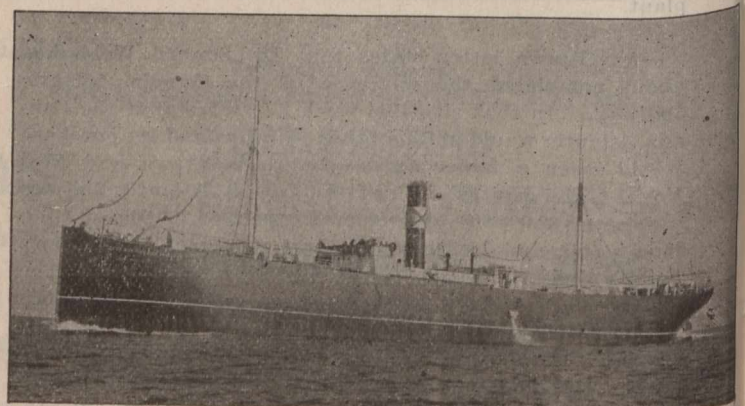
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432 barrels of herrings, 200 boxes and 1,699 drums of codfish, 296 barrels of salt mackerel and 20 tierces of salt salmon. Private mail advices from Boston, referring to conditions there, state: "The prospects are good for a large catch of codfish this spring, bait being generally plentiful on the Banks. Early this week there were forty vessels in this port having a total of 1,500,000 pounds of mixed fish, the largest percentage being codfish. The Bos-

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ton Board of Trade is agitating the subject of reciprocity with Canada. Should the members be successful, it will sign the death warrant of the fishing industry of New England. It costs \$12,000 or thereabouts to build and fit a vessel of 120 tons for active service. In Nova Scotia three such vessels could be built and fitted ready for sea with the same amount of money. Labor in Gloucester for curing fish ready for the market is 25c per cwt., and in the Provinces the labor would be about \$4 per week, most of which is taken up in trading in the stores. On this basis, it would be impossible for Gloucester to compete with the duty removed. If the United States Government would give the resident fishermen of New England a bounty of say \$50 per year it would encourage fishermen from the Provinces to come here and become citizens. About one-third of the men in our fishing vessels are non-residents, and the money they earn is taken out of the country.

—Advices received from Brussels, where the sugar conference is being held, are to the effect that both Great Britain and France have demanded that Germany and Austria not only withdraw their bounties, but suppress the "kartells," which are represented as being merely unofficial forms for providing subsidy for sugar producers. Germany and Austria have so far maintained their attitude, which expresses intoleration at what they describe as interference in purely national affairs, and while they are willing to amend their sugar bounties they utterly decline to discuss the "kartells." No "kartell" exists in France, and unless some modification of the existing conditions be arrived at France's sugar industry is likely to suffer equally with Great Britain's, in spite of the French sugar bounty, which France has expressed her willingness to withdraw in the event of the suppression of the Austrian and German "kartells" and bounties. The best informed opinion, according to a London dispatch, is that, on the failure of the Brussels conference, both Great Bri-

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tain and France will bring forward in their respective legislatures measures providing for countervailing duties upon German and Austrian sugar, such duties to cover not only the benefits derived from bounties, but also those profits accruing from the "kartell" system of exportation. The statements made by Mr. Havemeyer, the U. S. sugar king, concerning the duty of the British Government to Great Britain's colonies has created considerable comment in Great Britain. These statements have been brought before the department of the Government which is especially responsible for the safe-keeping of that branch of British industry. A prominent member of the West Indian-Sugar Committee pointed out that in spite of the vigorous action by the American Treasury with regard to Russian sugar that department of the American Government had so far not taken cognizance of the German and Austrian "kartells," which have proved an important factor in the Brussels conference, and which both the French and British delegates to the conference have declared to be more vital than the bounties.

—The treaty of cession of the Danish West India Islands from Denmark to the United States has been signed at the State Department by Secretary Hay and Constantine Brun, the Danish Minister. The treaty will be submitted to the Senate for ratification immediately. By the treaty absolute sovereignty over the islands of St. Thomas, St. John and St. Croix or St. Kitt's is transferred to the United States in consideration of the payment of a sum said to be about \$5,000,000, which is \$2,500,000 less than the amount named in the treaty negotiated by Secretary Seward more than thirty years ago. Denmark made a strong plea for a stipulation that there should be free trade between the islands and the United States, but Secretary Hay declined to accede to this for the reason that

only Congress has the right to make tariff arrangements. Denmark also wanted this Government to agree to take over the inhabitants of the island as full-fledged American citizens, but that could not be conceded, as Congress has absolute authority in that connection. It was intimated by one of the men having official cognizance of Denmark's action, that in order to satisfy the people in Denmark who are opposing the sale the Danish Government would submit the treaty to a plebiscite of the inhabitants of the islands to determine their sentiments as to the transfer, but that this would probably not delay the actual sale, as the plebiscite could be held while the treaty was under consideration, by the legislative branch

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of the United States Government. The treaty must first be approved by the Senate, and then it will be necessary to secure an appropriation of the purchase price from both the Senate and the House. If the plebiscite should show that a majority of the islands were opposed to the transfer, Denmark could end the matter by declining to exchange the ratifications.

—The official statement of the yield of grains in the Northwest Territories by threshers' returns show that in Assiniboia, Saskatchewan and Alberta, wheat threshed in 1901 amounted to 12,676,343 bushels, against 4,028,294 bushels in 1900. The acreage planted was 508,564, thus showing an average of 24.92 bushels per acre. Only in 1891, 1895 and 1901 did Manitoba exceed the Northwest average per acre of last season. Ontario in the eleven years 1891-1901 has only beaten the yield of the Northwest Territories twice—in 1891, when the average was 25.7 bushels, and in 1897, with its average of 25.2. The highest average yield in the Northwest Territories in 1901 was 34 bushels in West Saskatchewan. The highest average in Manitoba was in northwest Manitoba, with 30 bushels average yield. Saskatchewan Territory is north of 52nd degree of north latitude, and it has a population of 25,679 persons. Its crop of wheat harvested from 37,000 acres

was according to threshers' returns, 829,737 bushels, or 22½ bushels per acre. Northern Alberta, just south of the 55th degree, raised 737,344 bushels from 29,634 acres, an average of 25.55 bushels, somewhat over the average of all Manitoba. In oats the threshers' returns give a total yield in the three Territories already named of 11,113,066 bushels from 229,439 acres, an average of 48.43 bushels per acre, comparing well with the 40.3 bushels, the average of Manitoba last season (1901). North Alberta had an average from 79,642 acres of 61.42 bushels. In Manitoba the highest average reached was 48.4 bushels. In barley the three Territories yielded 736,749 bushels from 20,044 acres, or 36.75 bushels to the acre. The yield in Manitoba was 34.2 bushels to the acre, and in Ontario 26.5 bushels. Again the highest yield is in north Alberta, 43.65 bushels.

—The American Tobacco Combine's designs upon the British market, and incidentally its own position in trade in the United States, has, according to a London cable, received a surprise in the closing of a deal, which has been negotiated by George P. Butler, a well-known American tobacco man, and brother of William H. Butler, president of the Universal Tobacco Company of America. As a result of this deal, the position of the Imperial To-

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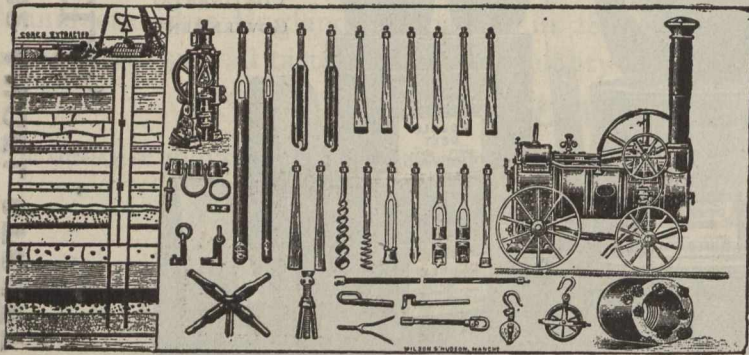


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# JOHN H. THOM,

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.

bacco Company of Great Britain and Ireland, which comprises some thirteen big firms, and which will be floated early in February, is probably strengthened. Mr. Butler, when seen about the matter, announced that he had acquired a large interest in the Henry Clay-Bock Company, and in the Havana Company, Limited. Mr. Butler, when asked what would be the effect of the new combination, replied: "It means closer relations among the Nniversal Tobacco Company of America, the Imperial Tobacco Company of England, the Henry Clay-Bock Company, the Havana Company, Limited, and the Havana Commercial Company. This combination will be opposed by the tobacco combination throughout the world. Between the Imperial Tobacco Company of England and the American companies in the deal, there will exist a most harmonious working understanding." "These companies," he added, "control the market for imported cigars in Great Bri-

tain, which is enormous, and are in a position to fear but little, if any, invasion of this market by any other combination."

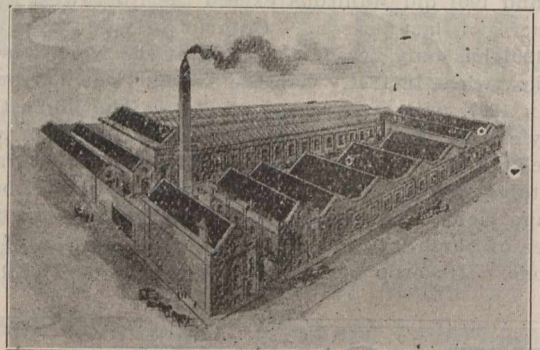
—In a recent speech at Hamilton, Dr. Montague cited Australian statistics that surprised many of his hearers. The area of the new Commonwealth, he said, was a little less than that of Canada, while the population was 3,756,000, a marvellous growth from the penal colony of sixty years ago. The shipping totalled 21,000,000 tons, the export and import trade \$393,000,000, and the intercolonial trade \$320,000,000. There were 95,000,000 sheep, drouth

Established 1861.

## .. Bootle Jute Factory Co., Limited ..

SPINNERS  
AND ...  
MANUFACTURERS.

JUTE BAGS AND BAGGING.



JUTE SACKING & SHESSIAN'S.

DUNDEE WORKS,

BOOTLE, - Liverpool, Eng.

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

## 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.

ADMIRALTY CONTRACTORS.

Tel. Address: "PUMPS," Leeds.

## THE LEEDS ENGINEERING & HYDRAULIC Co.,

Manufacturers of

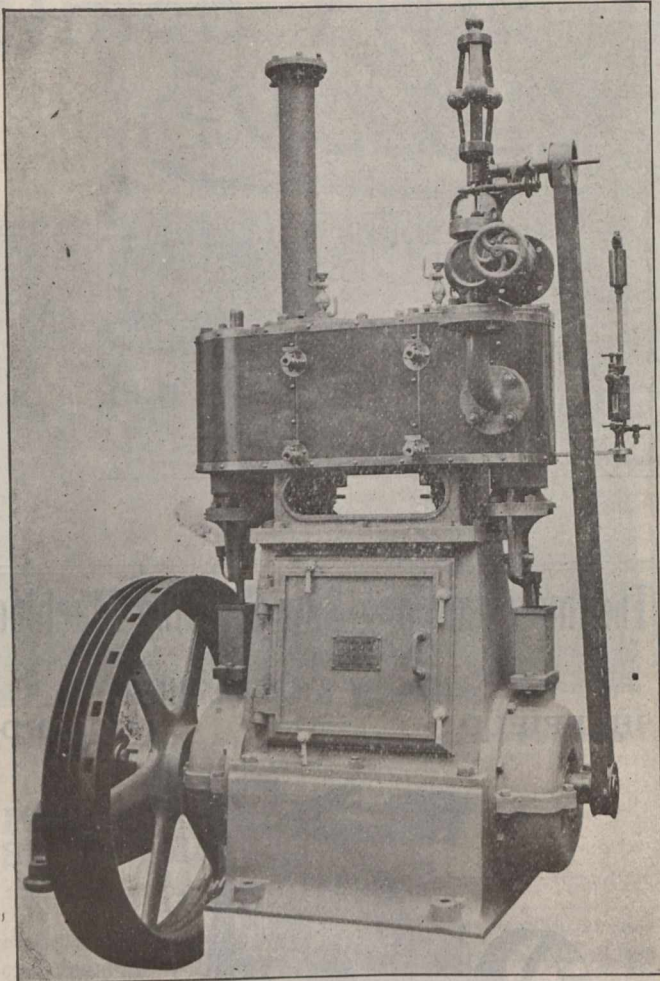
Hydraulic Machinery, Colliery Plant, Pumping Machinery,  
Cranes and Lifts.

ELECTRICALLY DRIVEN PLANT.

Providence Works, Cross Stamford St., LEEDS, Eng.

Special prices to Canadians under the new tariff.





These Engines are manufactured from 3 horse to 50 horse power under the new Canadian Preferential Tariff by \_\_\_\_\_

# BENJ<sup>r</sup> GOODFELLOW,

Limited.

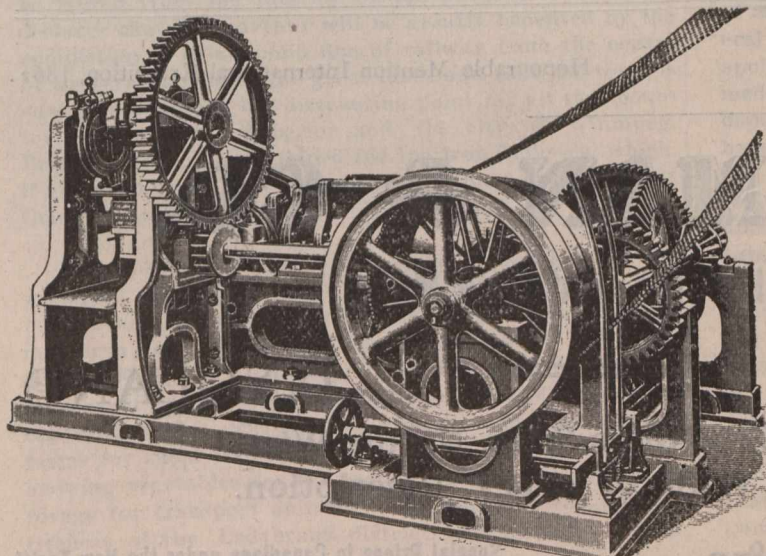
HYDE, nr. MANCHESTER,  
ENGLAND.

having cut down the flocks from 125,000,000 to this number. Cattle numbered 11,049,000. Rabbits outnumbered both of these, although they were not an unmitigated curse. At every station there were racks full of rabbits which were shot by the thousand and shipped to the coast to be frozen and sent to England. Steamers of twenty nations were to be seen in the harbors of the colony. Vast areas were being devoted to fruit-growing, and the development of the copper mines was very great. In speaking of the great works that were carried out to overcome

the drouth in the arid regions Dr. Montague mentioned one mining district where artesian wells produced only salt water, so water for a city of 40,000 was pumped up hill 360 miles, with fifteen pumping stations at a total cost of nearly \$20,000,000. He doubted if in the whole British Empire there were more striking examples of enterprise than these works in our sister colony.

—Life Pointers from the Press.—If a Friday comes on the 13th of the month, don't you mind. If you are unin-

Telegraphic Address:  
"ALEXSON, LEEDS."



Patent Combined Stiff-Plastic Brickmaking and Pressing Machine.

## Brick, Tile and General Clay Working Machinery

### Herbert Alexander & Co.

LIMITED.

Queen's Engineering Works

Water Lane,  
LEEDS, Eng.



ESTD 1865

TELEPHONE 999

# Chambers Bros

EFFINGHAM MILLS,  
SHEFFIELD,  
ENG.



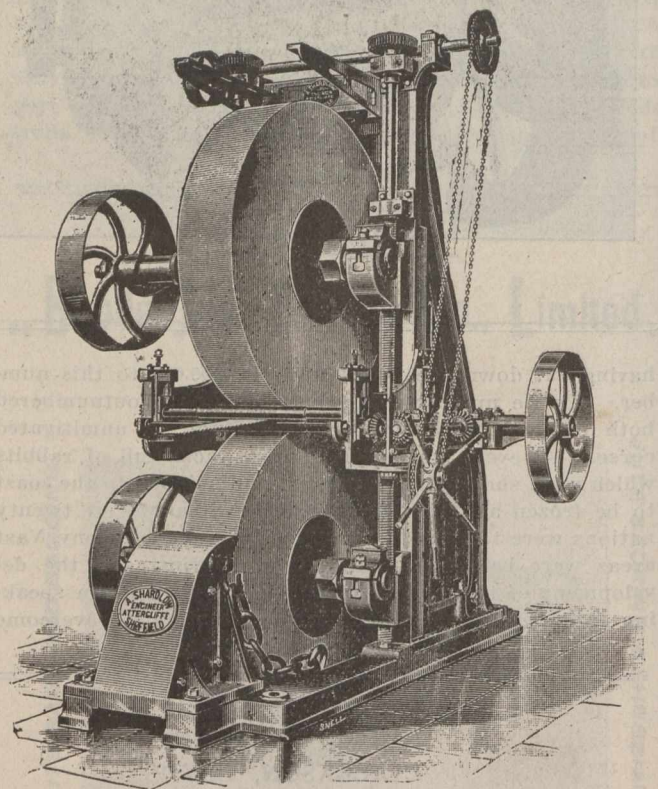
STEEL MOULDERS' COMPOSITION  
SPECIAL PAINT FOR THE SURFACE OF MOULDS.  
GROUND GANISTER  
PATENT NON-CONDUCTING CEMENT FOR STEAM PIPES & BOILERS.  
GROUND MORTAR &c.

sured, that will be a lucky day for you—if you insure.—Wireless telegraphy will be a marvellous thing. A write-less application for the uninsured will be a great blunder. Do you connect?—When the North Pole is located—if ever—what can be done with it? If your wife can locate a good life policy when you are entirely out of business, she will know what use to make of it.—Marconi says he got an "S" from England through the air. We hope he fills it out next time and that it tells you to "Sign an application." And we hope you do it, whether he sends it or not.—"Lucky" men are those who do their duty faithfully. If you are blessed with that kind of "luck," you are lucky for fair. It is your duty to insure yourself. Your wife will not be luck if you do not.—The army of the insured is now a marvellous multitude of sensible and provident men. You cannot do better than to enlist at once and go to the front for your family.—Nowadays the family man who carries no life insurance is looked at sidewise. He should look ahead and "jine."—Fairly prosperous? Good. How will the girl at home and the little ones be situated without your aid?

—Butterine makers in the U. S. have a hard task to keep their product within the profitable line. Recent Washington advices state that the friends of the measure for the rigid restriction on oleomargarine and kindred products carried their point before the House Committee on Agriculture and by a vote of 12 to 5 ordered the report of a bill which is even more restrictive than the original Grout bill, re-introduced by Representative McCleary of Minnesota. The subject has been under consideration for the last ten days, all of the various interests having been granted hearings. Before the meeting the friends

## The Improved Long Saw Grinding Machine

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



Telegrams, "SHIPMAN, SHEFFIELD."

Honourable Mention International Exhibition, 1862.

# J. SHIPMAN & CO.

Attercliffe Steel Works and Wire Mills,

SHEFFIELD, ENGLAND.

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

Tool Steel, Mining Steel, &c.

Special Prices to Canadians under the New Tariff.



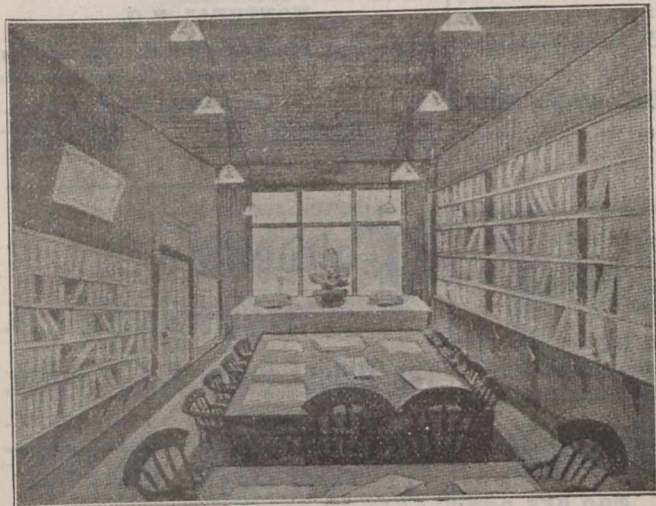
Telegraphic Address: "UNION," St. Helens.

Established 1837.

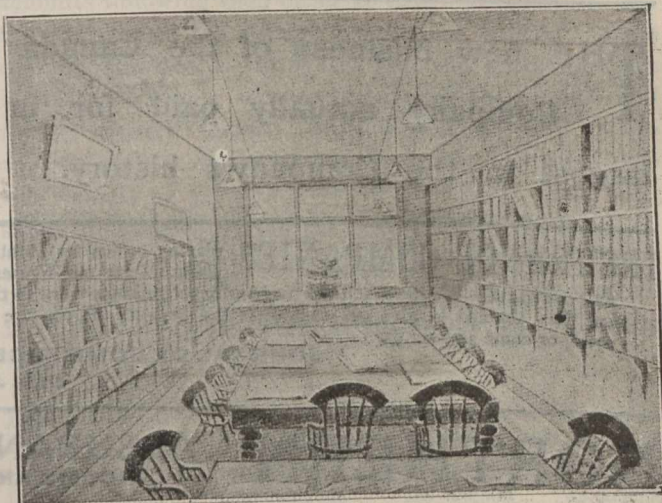
# Union Plate Glass Company,

LIMITED,

## REFRAX GLASS.



Interior of Room Lighted with Ordinary Polished Plate Glass.



Interior of Same Room Lighted with Refrax Glass.

POCKET NOOK,  
ST. HELENS,

Lancashire, England.

of rigid restriction held a conference and decided on several amendments. The original bill placed a tax of ten cents per pound on oleomargarine and butterine colored to imitate yellow butter. The word "yellow" was stricken out, thus making the restriction apply to imitations of white or any other kind of butter. Another change makes those who take uncolored butter and color it subject to all the taxes and penalties of manufacturers. When the committee met these amendments were agreed to by the foregoing vote.

—Ex-Mayor Marks, of Port Arthur, Ont., in Montreal recently, stated that a bright outlook is apparent through the opening of the Canadian Northern from Winnipeg eastward to Port Arthur, which is now an accomplished fact, it being the intention of the company to start its passenger trains next month. The Canadian Northern's new elevator, having a capacity of 1,500,000 bushels, will also be completed in about two weeks, and the outlook for business is so bright that one or two more large elevators will be constructed by the same company at Port Arthur before the next Manitoba wheat crop is ready to be moved from the interior of the country. Mr. Marks declares that Port Arthur will be greatly benefited by the completion of this second line of railway from the centre of western Canada to the great lakes and that the town is sure to become the big distributing point for all that country between Lake Superior and the city of Winnipeg. Bright hopes are entertained for the iron industry, which, if successful, will be even more profitable to the railways than wheat itself.

—The military farms which were established in the protected centres of the Orange River Colony twelve months ago, says a dispatch from South Africa, are now making a new departure. The farms average 2,500 morgen (1,500 acres). They were intended solely for grazing purposes for tired horses and jaded oxen, and for feeding captured stock. They are now being used also as dairy farms for supplying milk and butter to the hospitals, for growing vegetables for the troops, and for the raising of forage for transport animals. To illustrate the productiveness of the Ladybrand district, it may be stated

that 180 bags of oats, sown, yielded 90,000 bundles, each of eight pounds. This product, if sold at the lowest local market prices, would realize fourpence per bundle. If retailed in Bloemfontein, it would fetch from 18d to 2s. The actual cost of the labor of plowing, sowing and cutting would not exceed £120.

—Mr. H. E. Allen, curator of the insolvent estate of W. R. Lefebvre, Waterloo, Que., has, we are informed, prepared the first and final dividend sheet which is open to objection till the 5th February. The real estate realized \$1,204 over and above the sheriff's costs, and of this amount \$444 was paid to Mr. J. B. Morin, and \$448, to Mr. Israel Menard, hypothecary creditors. The balance went towards the expenses of liquidation. Privileged claims to the extent of \$653 were paid in full. Ordinary creditors, with claims aggregating \$14,000, are to receive \$426, or a dividend of three cents in the dollar.

—Aid is ought from the Ontario Legislature for the construction of the Canada Western Railway, which seeks a charter from Fort Frances northwesterly through Rat Portage to the Keewatin boundary, a distance of upwards of 200 miles. The promoters of the railway include several American capitalists residing in St. Paul and Minneapolis, besides local men in western Ontario. The immediate interest of the Americans is to reach a copper deposit in Keewatin, which explorers, on their behalf, have, it is reported, recently discovered.

—The official announcement of the Ontario Provincial auction sales of pure bred live stock, to be held at Ottawa on February 12, and at Guelph on February 26th, has been issued. The terms and conditions will be similar to those at last year's sales. The railway companies are offering reduced passenger and freight rates, and a large attendance is looked for at both places.

—The Manufacturers' Life Insurance Company, Toronto, announce re Manufacturers' and Temperance and General Life Assurance Company, incorporated May, 1901, that an order-in-council, changing the name of the amalgamated companies as above, has been granted.




**THE STANDARD ASSURANCE CO. ESTABLISHED 1825.**  
**OF EDINBURGH.**  
**HEAD OFFICE FOR CANADA, - MONTREAL.**  
 Invested Funds, \$48,400,000  
 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.**

**T**HE new business of the Canada Life Assurance Company actually paid for in 1901 was the largest in the Company's history.

**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.,**  
 111 St. James Street, MONTREAL.

**NORTHERN ASSURANCE CO'Y.**  
**INCOME AND FUND (1892)**



Capital and Accumulated Funds, :- \$38,355,000  
 Annual Revenue from Fire Premiums..... }  
 Annual Revenue from Life Premiums..... } ..... 5,715,000  
 Annual Revenue from Interest upon Invested Funds..... }  
 Deposited with Dominion Government for the security of Canadian policy-holders ..... 200,000  
 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**  
**OF LONDON, ENG.**  
 Established in 1788. Canadian Branch Established in 1864.  
**No. 164 St. James St.**  
**MONTREAL, P. Q.**  
**PATERSON & SON,**  
 Agents for the Dominion  
 City Agents:  
 E. A. Whitehead & Co. English Dept.  
 G. A. Raymond & Co. French Dept.  
 S. Mondou.

**Caledonian...**  
**INSURANCE CO.**  
 The Oldest Scottish Fire Office.  
 Canadian Head Office, MONTREAL.  
**R. WILSON-SMITH**  
 FINANCIAL AGENT.  
 Government, Municipal and Railway securities bought and sold. First class securities suitable for Trust Funds always on hand. Trust Estates managed.  
 STANDARD LIFE CHAMBERS,  
 151 ST. JAMES STREET, MONTREAL.

**THE Trust & Loan Company of Canada**  
 (Incorporated A. D. 1845 by Royal Charter.)  
 Capital Subscribed - \$7,500,000.00  
 Paid Up Capital - 1,581,666.00  
 Cash Reserve Fund - 870,375.00  
 Negotiate Loans on City Property and improved Farms at low rates and on very desirable terms.  
 Address, THE COMMISSIONER,  
**THE TRUST AND LOAN COMPANY OF CANADA,**  
 26 St. James St., MONTREAL, QUE.

**THE CANADIAN Journal of Commerce.**

MONTREAL, FRIDAY, JANUARY 31ST, 1902.

**THE DECEMBER BANK STATEMENT.**

The December Bank statement marks the first stage of the reaction after the activities created by the harvest. This year the circulation rose to the unprecedented figure of \$57,954,779 and the decrease in December was unusually large, the amount of the fall from the maximum in October being \$3,581,991. The decline in note issues in December in several previous years, was as follows, compared with last year:

Circulation	November.	December.	Decrease.
1901	\$57,741,566	\$54,372,788	\$3,368,778
1900	51,947,269	50,758,246	1,189,023
1899	47,839,506	45,999,753	1,839,753

**THE MANCHESTER FIRE ASSURANCE COMPANY.**  
 Established 1824. CAPITAL, - - \$10,000,000  
 Head Office, MANCHESTER, ENG. Canadian Branch Head Office, - TORONTO.  
 R. P. TEMPLETON, Assistant-Manager. JAS. BOOMER, Manager.  
 C. R. G. JOHNSON, Resident Agent, MONTREAL.  
 1723 Notre Dame St.

**IMPERIAL LIFE ASS'CE CO'Y OF CANADA.**  
 UNEXCELLED SECURITY.  
 1. CAPITAL—One Million Dollars.  
 2. GOVERNMENT DEPOSIT.—The Government Deposit of The Imperial life is Larger than that of any other Canadian Life Insurance Company  
 3. RESERVES.—The Imperial Life holds relatively the strongest reserves of any Canadian Life Insurance Company.  
 4. ASSETS.—For every \$100 of liabilities to Policy-holders The Imperial Life holds \$180 of securely invested assets.  
**E. S. MILLER, Provincial Manager,**  
 Office: Bank of Toronto Bldg. Montreal, Que.

**FIRE. LIFE. MARINE.**  
**G. ROSS ROBERTSON & SONS,**  
**General Insurance Agents and Brokers**  
 ESTABLISHED 1865.  
 \* 11 HOSPITAL STREET, \*  
**MONTREAL.**  
 Telephone Main 1277. P. O. Box 2081.

1898	42,350,948	40,258,381	2,092,567
1897	40,143,878	37,995,123	2,148,755
1896	35,262,599	33,095,784	2,166,815
1895	34,362,746	32,565,179	1,797,567
1894	33,076,868	32,375,620	701,248



# Mutual Reserve Fund Life Association

FREDERICK A. BURNHAM, PRESIDENT.

EIGHTY-ONE THOUSAND POLICY-HOLDERS.

Total Assets, \$12,264,838.21.

## THE TWENTIETH ANNUAL STATEMENT

Shows that the 1900 Business Brought

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

...AND...

**An Increase in Insurance in Force.**

**Net Surplus, - \$1,187,617.68.**

Total Death Claims Paid since Organization, over  
**FORTY-EIGHT MILLION DOLLARS.**

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

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

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

# UNION ASSURANCE SOCIETY OF LONDON.

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

Capital and Accumulated Funds exceed, - - **\$16,000,00**

**ONE OF THE OLDEST AND STRONGEST OF FIRE OFFICES.**

CANADA BRANCH:

Cor. St. James and McGill Streets, - **MONTREAL.**

T. L. MORRISEY, Manager

1893 .....	35,120,561	34,418,936	701,625
1892 .....	37,124,505	36,194,023	930,482
1891 .....	37,430,690	35,634,129	1,796,561
1873 .....	26,926,890	25,719,542	1,207,348

It will be noted that the falling off in amount of circulation in December is somewhat erratic, having no regular proportion to the amount of notes in the hands of the public. Thus, in 1873, when the circulation was only \$26,926,890 in November, the decrease in December was 4.48 per cent., in 1900 when the circulation was \$51,947,269, the decline in December was only 2.29 per cent., and last month, the falling off in December was 5.80 per cent. Clearly, when the decline in December was 4.48 per cent. on a circulation of 27 millions, and was 5.80 per cent. on a total of 57½ millions, there can be no relation established between the extent of the total circulation in December and its usual decrease in that month. What is striking in the above table is the contrast between the note issues of 1873 and 1901, the increase having been \$28,653,246, or over 100 per cent. in 28 years, and, \$16,377,665, or 43 per cent. in the last 5 years. The increase in circulation between the 1st January and 1st December, 1901, was \$9,347,482.

The changes in December in amount of discounts in the same term of years as above, were as below:

Discounts.	November.	December.	Increase or Decrease.
1901 .....	\$288,820,260	\$289,158,657	Inc. \$338,397
1900 .....	276,464,126	275,646,892	Dec. 817,234
1899 .....	263,597,683	266,678,601	Inc. 3,080,918
1898 .....	229,261,061	229,900,030	Inc. 638,969
1897 .....	205,723,909	205,931,017	Inc. 207,108
1896 .....	212,906,674	210,522,074	Dec. 2,384,600

1895 .....	202,090,122	202,088,259	Dec. 1,863
1894 .....	195,823,973	195,836,141	Inc. 12,168
1893 .....	201,996,246	200,397,498	Dec. 598,748
1892 .....	197,105,799	198,532,160	Inc. 1,426,361
1891 .....	187,847,645	186,590,602	Dec. 1,257,043
1873 .....	116,039,240	115,866,840	Dec. 172,400

Here again the movement in December is shown to be quite erratic, increases and decreases of widely varying amounts following each other at irregular intervals. In the above table the current loans made outside Canada are not indicated, as up to last year the banks were not required to give a separate return of their home and foreign current loans. If, however, we add to the amount of Canadian loans in December the loans outside Canada we get a total of \$321,319,223. This item shows an increase during the year of \$27,186,302.

The deposits made the largest proportionate increase of any portion of the bank business in the term of years from 1891 to 1901, as apparent from the following table:

Deposits.	On demand.	P'ble after notice.	Inc. or dec. in year.
December.			
1901 .....	\$102,309,034	\$233,431,229	\$37,831,000
1900 .....	109,436,035	188,479,500	24,600,000
1899 .....	99,463,898	173,769,968	24,800,000
1898 .....	90,747,210	157,824,875	26,500,000
1897 .....	81,881,687	140,120,460	25,400,000
1896 .....	70,529,211	126,101,012	9,500,000
1895 .....	67,452,397	119,667,176	5,040,000
1894 .....	.....	*182,080,669	11,601,400
1893 .....	.....	*170,479,224	258,800
1892 .....	.....	*170,220,452	17,413,000
1891 .....	.....	*152,807,542	.....
1873 .....	29,227,480	23,361,800	.....

\*Includes both classes of deposits.

The increase in Canadian deposits since 1873 has been in deposits on demand, \$73,081,554, and in those payable after notice, \$210,069,429, making the aggregate increase of deposits since 1873, \$283,150,983.

Since the revival of trade set in during 1897, the deposits have increased \$139,131,000, the average yearly increase being \$27,826,000, which was exceeded last year by ten millions of dollars. In the same five years the discounts have increased to extent of \$83,227,640, an average yearly increase of \$16,645,520, the increase last year being \$13,511,765, or three millions below the annual average since 1897.

We append our usual comparative statement and the complete returns for December will be found on a later page:—

### THE BANK STATEMENTS.

	Dec., 1901.	Nov., 1901.	Dec., 1900.	Dec., 1891.
Capital authorized .....	76,326,666	76,326,666	82,608,664	75,758,666
Capital subscribed .....	68,596,166	68,331,766	68,473,385	62,674,952
Capital paid-up .....	67,591,311	67,568,607	67,087,111	61,299,305
Reserve fund .....	37,364,708	37,074,774	34,501,349	23,266,827
<b>LIABILITIES.</b>				
Notes in circulation .....	54,372,788	57,741,566	50,758,246	35,634,129
Due Dominion Government .....	4,864,646	3,501,573	4,549,906	3,238,857
Due Provincial Govts. ....	2,822,088	2,855,166	2,918,097	2,644,732
Deposits on demand .....	102,309,034	98,754,437	109,436,035	62,649,358
Deposits after notice .....	233,431,229	232,188,847	188,479,500	90,158,184
Deposits outside Canada .....	31,355,262	33,711,370	20,442,385	.....
Loans on bks in Canada, sec. ....	737,473	803,848	1,642,187	42,129
Depts on demand in Can. bks. ....	4,155,273	3,495,223	2,823,710	2,830,933
Due agencies in U.K. ....	3,754,773	4,588,367	4,190,638	1,416,382
Due agencies abroad .....	1,052,699	868,104	526,104	216,374
Other liabilities .....	10,236,648	12,316,259	6,383,600	487,391
Total liabilities .....	449,091,985	450,824,830	392,150,481	199,453,832



## ASSETS.

Specie . . . . .	11,571,337	11,376,510	11,773,386	5,769,313
Dominion Notes . . . . .	21,405,397	21,322,577	19,785,173	10,113,040
Deposits securing circulation . . . . .	2,568,918	2,568,918	2,387,973	
Notes & cheques on other bks. . . . .	16,993,896	13,923,716	16,401,559	9,119,736
Loans to other bks in Can. sec. . . . .	737,473	803,848	1,607,186	
Dept.s on demand in Can. bks . . . . .	5,823,200	4,767,435	4,402,855	3,589,881
Due from bks, &c., in U.K. . . . .	6,883,729	7,530,952	5,249,232	6,337,591
Due from foreign bks, etc. . . . .	11,456,756	14,010,462	11,677,099	18,464,364
Dom. and Prov. Govt. secs . . . . .	9,768,701	10,426,428	12,451,142	3,061,722
Can. municipal & other pub sec . . . . .	14,528,036	14,304,026	12,290,984	6,438,105
(Not Dominion.)				
Railway and other secs. . . . .	31,994,130	33,061,712	25,507,842	
Call loans in Canada . . . . .	37,651,941	37,552,474	33,981,478	14,401,695
Call loans outside Canada . . . . .	45,263,961	50,963,477	27,234,789	
Current loans in Canada . . . . .	289,153,657	288,820,260	275,646,892	186,590,602
Current loans outside Canada . . . . .	32,160,566	28,534,885	20,079,290	
Loans to Govt. of Canada . . . . .				
Loans to Provincial Govts. . . . .	3,793,626	3,223,091	3,137,924	611,420
Overdue debts. . . . .	2,105,705	1,999,591	1,924,422	2,656,588
R. E. besides bk premises . . . . .	886,497	877,365	1,145,701	1,144,391
Mortgages on real estate . . . . .	730,250	717,475	568,733	785,713
Bank premises . . . . .	6,753,172	6,727,384	6,496,104	4,463,619
Other assets . . . . .	9,841,652	12,849,548	7,792,097	1,537,649
Total assets . . . . .	562,077,793	566,367,315	501,542,015	280,754,661
Loans to directors & their firms . . . . .	10,820,718	10,561,503	12,188,943	6,077,636
Average specie for month . . . . .	11,672,573	16,753,196	11,700,040	5,765,734
Av. Dominion notes for mo. . . . .	21,017,261	20,855,982	19,390,585	9,924,799
Grtst circulation during mo. . . . .	58,650,297	60,397,097	54,460,813	37,985,806

### THE STRUGGLE IN THE PHILIPPINES — A PARALLEL TO THE SOUTH AFRICAN WAR.

The Fortnightly Review for this month contains two articles relating to the war in South Africa. One by Canon Malcolm MacColl is in two sections. The first discusses the relations between Great Britain and Russia in regard to India which may be summarized as a protest against suspicion being entertained that Russia has any designs upon the Indian Empire. A side issue to this is a statement of the condition of Syria and Asia Minor, in regard to which Canon MacColl remarks:

"Russia is eyeing with hostile vigilance the development of Germany's schemes in Asiatic Turkey." So that, the Canon, while indignant with those who consider Russia to be an aggressive power, with an eye upon Constantinople, is as suspicious of Germany's policy in the Asiatic Turkey as some are of Russia's intentions in respect to European Turkey and India. It is evident that he considers it quite wicked to distrust Russia, but quite innocent to suspect Germany. Those who are doubtful of Russia he dubs "Russophobists," who might with equal justice call him a "Germanophobist." But Canon MacColl has time and time again shown that in politics and religion he judges of the morality, the righteousness of causes and of men according to their agreement or otherwise with his personal views. It is proved by Lord Roberts' experience in Afghanistan that Russia was intriguing at Cabul against England. With all deference to Canon MacColl we place more reliance upon the observation of Lord Roberts when on the spot, than upon the judgment of one who has no evidence of Russia's innocence in regard to India than some amiable remarks by the Czar, who belongs to a family and to a race that have repeatedly masked their aggressive intentions and movements by denying their existence, or their motive being unfriendly.

The Canon when he turns to the war in South Africa is in his element in objecting to the policy forced upon the Government of his country by the conspiracy of the Boers to drive England out of South Africa. He pleads for the Boers being given their independence, but thinks they ought to pay for it by a war indemnity of £100,000,000 or £500,000,000. Is it rational to suppose that the Kruger party would have made peace on such terms? The Boers have never made any propositions of peace terms, but all along have swaggered that they would at length dictate terms to England. We fear Canon MacColl has not a practical order of mind. His strong sympathies with all "national" movements blind him to this historic truth, that some nationalities are a menace to others, and to the peace of the world, and that, as they cannot all exist some must be suppressed in the general interests of nationalities themselves, as also of civilization and liberty.

The second article has the caption at the head of this article. It is a highly ingenious effort to draw a parallel between the American situation and operations in the Philippines and the situation and operations of England in South Africa. It is true there have been parallels in both of these features, such as, the utter failure of both armies for a length of time to subdue their enemies; the over-sanguine estimate as to the time and forces required to achieve victory; the refusal of both Filipinos and Boers "to accept nothing short of independence"; the possession by each of their enemy's capital; the extraordinary mobility of each foe; the rank treachery shown by those who surrendered; the refusal of both Boers and Filipinos to accept an amnesty and freedom on surrendering; and the conclusion come to by both Americans and British that their troops were fighting a band of marauders and brigands"; a further parallel is, the breakdown of highly trained officers and men in a struggle to conquer daring bands of loosely organized, undisciplined bodies of natives who know every inch of the ground, who have a base of supplies in every settlement, and also who are brave to rashness.

But such parallels give a most unfair picture of the respective difficulties of the British and American troops. In the Philippines the native soldiers cannot get further away from the sea than 70 miles; and the seat of war extends over hundreds of islands, there are 2,000 in the Philippine group. One island, Mindanes, never was conquered by the Spaniards, though they sought for generations to bring it under subjection. The article before us says:

"The lines of division, which we in South Africa have been compelled to create artificially by means of chains of blockhouses, so as to split up the Boer territories into a number of manageable areas, are supplied in the case of the Philippines by the sea."

This seeming advantage of the American troops creates, however, a most perplexing difficulty. The Filipinos have no difficulty in passing from island to island, as the whole American navy could not blockade such a coast as is presented by 2,000 islands. The movement of American troops is impeded by swamps, forests, unbridged streams, through and over which it is most difficult to convey munitions of war and supplies of food. The difficulties met with by British troops in moving through the mountains and arid plains of South Africa have been terribly trying to men and animals, but we doubt whether they have been as obstructive as those met with by American troops in the boggy rice fields and the dense woods of the Philippines, where the heat



is perpetually most enervating to the men of a different clime.

With the question as to the justice of the American seizure of the Philippines we do not propose to deal. A great nation like the United States—whose chief ruler, at the initiation of the Philippine war was the noble-minded statesman, the late President McKinley—is entitled to have its actions as a nation treated by a neighbour with magnanimous consideration. It is incomparably better for the progress of civilization for the Filipinos to be brought under the elevating influences of the United States than to be kept in civil and intellectual bondage by Spain. When history comes to narrate the story of the war in South Africa and the Philippines, at a distance of time sufficiently long to put matters in the right perspective, and when results will be in evidence, we have every confidence in the verdict in each case being that to both Boers and Filipinos, their war with a civilized power led to their advance in freedom, their development in wealth, and their increased enjoyment of material blessings.

It would be interesting to have a parallel drawn between the policy of England in South Africa and that of France in Madagascar and of Holland in Aachen. France suppressed the independence of the islanders of Madagascar, destroyed their self government, and brought them under the military rule of French officials. Holland for eighteen years has been struggling to suppress the rebels in her colony, Aachen, by force of arms. Many thousands of Dutch soldiers have been sacrificed in that effort, still the colonists will not surrender. France and Holland would do well to pluck the beam out of their own eyes, before being so critical of the mote in the eye of Great Britain. France, too, when slandering the British for their treatment of the Boers in concentration camps might call to mind her treatment of the Algerians some years ago. The memory would teach her to be more considerate and more truthful.

#### BEFOULING OUR OWN NEST.

The modern craze for publishing the most trivial items of news in the daily papers has led to the introduction into their columns of paragraphs which are not only offensive to good taste and violations of the sacredness of private life, but distinctly injurious to the city's interests and well being. Chronicling "small beer" is a humiliating feature in modern journalism, but, if the "beer" is fresh and sweet there is little harm done beyond pandering to a depraved taste for wash-tub gossip. If, however, the news items are of such a nature as to be a reproach to the city, such as are disposed to give outsiders a prejudice against the city, to alarm visitors as to the insanitary conditions of the city, the dissemination of such news, or what is alleged to be news, is calculated to have most mischievous effects.

We have noted for some time past that every report of a smallpox case in this city, authenticated or not, is made as prominent a news item as an event of national interest. The reportorial love of working up a sensation leads to all such reports being exaggerated, some indeed invented, or based on the vaguest of rumours. Thus, Case A, for instance, is inserted in one daily; this causes it to be talked about, then some enterprising reporter hears it being discussed, so straightway he writes it up as a new case, and we have a single case thus du-

plicated and triplicated, and raised to higher powers, until there is a rumour of an epidemic started which has no basis whatever beyond a single, isolated case!

The old story of the "Three black crows" is being continually illustrated in the columns of certain daily papers. As a plan for sending and keeping visitors away from the city the publication of items referring to cases of contagious disease, is a great success. How far the hotels and storekeepers appreciate such efforts to damage their business it is needless to say. There is another evil result from this pernicious practice: it is well known that, to depress the vitality is to invite disease. If there is contagion in the air it will select victims among the timid, the nervous, the apprehensive. For such persons to be regaled by newspapers' stories of contagious disease cases is to put them in peril of sickness.

Why, then, is this done? It is done to help a few young reporters to fill up their space—"simply that and nothing more." In American cities such items are seldom or never published in the newspapers. The American people are too self-respectful to tolerate the defilement of their own nest. It is a scandal that Montrealers tolerate such reflections upon their city.

A comparison of fatalities from smallpox in Montreal with those of large cities on the other side of the international boundary line is quite favourable to this city. The number of deaths from the fell disease in one of the large Atlantic cities to the south for the week ended the 18th January, 1902, was 16, whereas in Montreal there was but one, a child of two years old. But the Montreal case was announced generally by our enterprising contemporaries, and was the talk of the town for days after. It was deemed worthy of press despatches. The 16 cases in our rather southerly neighbour were ignored and unknown beyond the immediate precincts of the local hospital.

A few years ago it was customary for statistics on this head to be exchanged between the Boards of Health in New York and Montreal, but an epidemic put a period to the information from the former city. Endeavours were made to obtain a continuation of the information through the British consul; but this was also rendered vain. Application was next made by our city functionaries to the British ambassador at Washington, but as the epidemic had by this time practically run its course, the direct information was resumed. Comment is needless.

#### OUR CROP-MOVING FACILITIES.

The decision of the Canadian Pacific Railway to enlarge its carrying capacity by double-tracking the main line from Winnipeg to Fort William, increasing its car and locomotive equipment on a large scale, building new elevators, and constructing new terminal accommodations, does not come one moment too soon. Last season only about one-half of the grain offered to the railroad for transportation could be carried before the close of navigation. And when the last boat left the upper lake ports the elevators at all the shipping points were all full to the brim with grain. It must be remembered that the last crop of Manitoba totalled 50,502,000 bushels of wheat, 27,796,588 bushels of oats, 6,536,155 bushels of barley, besides a large yield of flax, potatoes, roots, dairy products and live stock. The Territories added to this 12,676,343 bushels of wheat



actually threshed. Thus, the wheat yield alone was nearly sixty-four million bushels. No wonder the cry for cars went up from all over the wheat belt. It was simply beyond the power of the road to haul it over a single track in the limited time available before the close of navigation.

Next year the completion of the Canadian Northern from Winnipeg to Port Arthur will add considerably to the carrying capacity of the North-West. But this will be only a partial relief in view of the fact that the wheat acreage in the Territories is certain to be largely increased during the coming season. Thus, the projected double tracking of the Canadian Pacific main line is a matter of vital necessity. Besides this, it appears to be thoroughly warranted by the present as well as the prospective earnings of the road. From the beginning of the current fiscal year on the first of last July to the second week of January the gross earnings of the road amounted to \$21,034,817, as against \$17,197,042 in the corresponding period of the preceding year. And the net earnings show that the cost of doing the large business has not been exceptionally heavy.

But in order to meet the expenditure necessary to a work of such magnitude an issue of \$20,000,000 worth of new common stock has been decided upon. When it will be placed upon the market will not be known until the issue has been approved of by the shareholders. But, as the existing stock is \$65,000,000, if the whole of the new stock were to be put upon the market at once, four shares of new would be open to subscription by every holder of 13 shares of old stock. Of course, this is hardly likely, as, in the existing state of the market, if the stock were issued at par, the rights would be worth only about \$3 per share. It is, therefore, believed probably that the issue will be delayed until there is greater activity in the market and the shares can be quoted around 120, which would be a price difficult to attain in face of an impending new issue. But the preferred stock which pays 4 per cent., can be increased until it equals half the common stock, which means that it can be expanded from \$31,000,000 to \$42,000,000, and not only are the traffic earnings of the company increasing but its holdings of land in the North-West are daily growing in value. Thus the directorate are by no means hampered for resources.

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#### ANTHRACITE COAL.

During the last fiscal year Canada imported from the United States 1,919,841 tons, and from Great Britain 13,442 tons, of anthracite coal, valued at \$7,923,950. And we can thus see what an important factor the fluctuations in the anthracite market mean to us. Last year the conditions of the coal barons were exceptionally harsh and unyielding. The prices fixed in the circular issued on April 1st were rigidly maintained. Dealers were no longer permitted to purchase at one month's prices and stipulate for delivery the next. And the result was that the various producing companies realized from 40 to 50 cents per ton more than in the preceding year.

This greater profit rose largely from the concentration of control among the mining and carrying companies. But there were other equally potent influences working in the same direction. The miner's strike at the close of 1900 left stocks everywhere de-

pleted. And the unusual cold in February, March and April of last year increased the ordinary domestic consumption. Thus the extra amount mined was not more than sufficient to meet the increased demand. The shipments to market increased over eight million tons, being 53,568,601 tons for 1901, against 45,107,486 tons in 1900. Yet prices were rigidly maintained at top figures, and not the slightest concession was made, even to the trade.

As to the prospects for prices this year, we must remember that on January 1st, 1901, the stock of anthracite was practically nil, while on the first of January last it was 415,757 tons, as against 350,965 tons at same date in 1900. This would look as if prices would be more favorable to consumers during the coming year. But we must not forget that the concentration of control, the absorption of the Pennsylvania Coal Co. by the Erie, and the acquisition of the Central by the Reading, have largely reduced competition, and thus rendered the maintenance of prices much more facile.

If the United States are our largest suppliers of anthracite coal they are also our largest customers for soft coal. During the last fiscal year of the 1,952,437 tons we exported, 1,667,498 tons went to the United States, and 135,233 tons to Britain. Thus, we exported coal to the value of \$5,438,903 and purchased it to the extent of \$7,923,950. This leaves a balance of \$2,485,047 against us which will probably continue to exist until we commence to burn Canadian coal for domestic purposes, or anthracite is discovered in Canada in sufficient quantities to render it of commercial importance.

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#### BRITISH VS. U. S. LOCOMOTIVES.

The discussion as to the respective merits of British and United States locomotives is dealt with in a recent number of the Economist of London:

"It will be remembered that about six months ago a question was raised in Parliament with regard to the action of the Indian Government in placing certain contracts for locomotives for the Burmah railways with American firms. In a correspondence arising from that discussion, Lord George Hamilton, in a letter addressed to Sir Alfred Hickman, stated that although the earlier reports as to the American engines were unfavourable, yet when their working was better understood, and alterations were made to suit the local fuel, a marked improvement was noticed, so much so, that one company wished to obtain more engines of a similar description. In reply, Sir Alfred Hickman quoted the latest obtainable report, that for the first half of 1900, which certainly did not bear out Lord George Hamilton's statement, and asked that if there were any later reports they should be made public. Up till now, that request has not been complied with, but in a recent issue of the Board of Trade Journal there are published certain "particulars relating to the use of engines on the Burmah railways collated from a report on the subject by Mr. C. E. Cardew, locomotive and carriage superintendent, a copy of which has been received at the Board of Trade through the India Office." The summary of the report, as it appears in the Journal is appended. Unfortunately, the date of the report is not given, and it is impossible to say, therefore, whether it is the one to which Lord George Hamilton referred or one drawn up subsequently. But, in any case, it is sufficiently deci-



sive as to the superiority of the British over the American engines that we think Lord George Hamilton should have been at pains to give it much greater publicity than is afforded by its insertion in the pages of the Board of Trade Journal. He cannot but be aware that his remarks as to the working of the American engines have been widely construed as implying an inferiority on the part of British manufacturers, and he ought to feel that the duty rests upon him of doing everything possible to dispel so injurious a misapprehension.

The summary referred to reads:

The 20 engines referred to in the report are ones supplied by the Baldwin Locomotive Works of Philadelphia in 1899. The type is that known in America, as "Mogul," that is six-coupled with a leading two-wheel bisel truck. . . . In boiler pressure, diameter of cylinder, stroke of piston, diameter and number of coupled wheels they are identical with the company's Class F engines. The two classes of engine, therefore, have exactly the same tractive force, take the same load, and work the same classes of trains. . . .

Taken all round the engines may be described as good engines, well up to their work, but they were sent out with many defects in their construction which at first gave a very great deal of trouble. . . . The boilers do not steam at all too freely, and were it not for their large dimensions would not furnish steam fast enough. . . . Their coal consumption has been extravagant. . . . The defects which characterise these engines may be divided into three classes, viz.: 1. Unsuitable or bad design of details. 2. Bad workmanship. 3. Bad material.

As to defects in design, speaking generally, it may be said that the Baldwin Locomotive Works, endeavouring to adopt certain British designs for details which have been developed by practice on the Indian metre-gauge railways, made a mess of the job. In some cases they did not adopt the designs in their entirety, and in other cases overlooked that fact that they would not well work in with other of their American details. The adopted details are ones which work well enough in their proper environment, but not being suitably adapted to their new environment, have been the cause of much trouble. Besides this there is a good deal about these engines to suggest the inference that the Baldwin Locomotive Works have had no particularly large experience in the design and construction of engines for the metre-gauge. The engines are, in many ways, merely a small scale reproduction of ones suitable for the 4 feet 8½ inches standard gauge. The fact has apparently been overlooked that in reducing the size of the engine, the size of the engineman and fireman remain the same as on the standard gauge.

As to bad workmanship, Mr. Cardew writes: "There is a great deal of bad workmanship characterising these engines. The parts which on two engines should exactly duplicate each other, so far differ that they cannot be exchanged without some adjustment to make this possible. The accuracy with which interchangeable parts have been made in these engines is nothing like so exact as what we are accustomed in engines of British manufacture. I confess that we were all very much astonished at this, as for years we have been told that in duplicate work the Americans were far ahead of anyone else. These engines at all events do not support that idea. Parts which in a British engine are manufactured entirely by machinery and barely touched by files or other hand-tools show clear signs of having received a good

deal of very rough adjustment and manipulation from workmen not too handy with their tools."

In two items of purely American design, where no hybridisation has been indulged in, the design is very bad, namely, the valve gear and the exhaust pipe. . . . Upon these depend the extravagance or economy in fuel consumption.

The report then gives some technical details relating to the bad design of the valve gear, stating that it is the most fruitful source of the excessive fuel-consumption characterising these engines. The fuel-consumption, however, is almost certainly still further affected by the fact of the exhaust steam from the two cylinders being discharged up the chimney by two independent nozzles, one for each cylinder. This is an obsolete design, even in America.

As to bad material, it is stated in the report that as a whole the material used in the construction of these engines is of a very high quality, and likely to give much satisfaction in the way it will stand wear and tear. . . . But yet in certain parts of the engine the makers have used material which can only be described as distinctly bad. The coupler-buffers, which according to the specification were to be made of hammered iron, were all of malleable cast-iron, or of a very low grade of cast-steel, which does not at all deserve to be called steel. Some other parts of the engines also broke down due solely to bad metal.

As to fuel consumption, having now rectified most of the bad work about these engines they are giving very little trouble in upkeep, but their fuel consumption is decidedly high. To cure that and other faults will need further alterations in design. A special trial of these engines was made last year to ascertain their consumption of wood fuel. Five of these engines were put to work for 30 days on a set of trains in the same link with British engines of the class above described, of identically the same power and working dimensions. All the conditions were alike in fuel, water, weather, and loads. The enginemen and firemen which worked both classes of engines were equally accustomed to both. The trial was in every way trustworthy and absolutely fair, of which the results may be summarised thus for the five Class F and five Class G engines working mixed trains between Yamethin-Mandalay with wood fuel only:

Class of Engine.	No. of Working Days	Train-Miles run.	Total Quantity of wood consumed.		Consumption per train mile	Percentage of excess of Class G over F.
			Tons.	Lbs		
F . . . . .	30	18,396	894.93	108.97	...	
G . . . . .	30	17,057	1,044.53	137.17	25.88	

The fireboxes of both classes of engine are equally fitted to burn wood, both having their fire bar spaced alike (¾ in. spaces), but the fierce blast of the class G, due to the double exhaust nozzle with such contracted area (mentioned in paragraph 8), tore the fire to pieces badly, even when using the largest of three sizes of nozzles supplied by the makers.

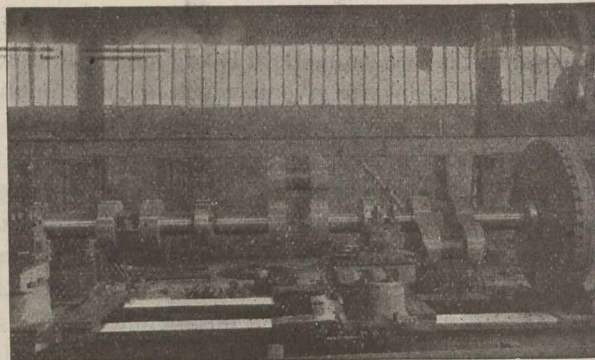
As to cost and comparative value of engines—With regard to the cost, &c., of the two kinds of engines, Mr. Cardew in the report states as follows: "These Baldwin engines cost £1,750 with freight and insurance, delivered in Rangoon within six months from order, while



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the best offer for British engines (Class F) was £2,000 each f.o.b. at Glasgow, with delivery in 18 months, so that the American engine (reckoning freight and insurance from Glasgow as about £105 per engine), was £355 cheaper, and was supplied a year sooner. I, however, do not consider that any general argument should be built on this small advantage of cheapness and quick delivery, as in the next order of engines the American ones were both dearer and for later delivery than British engines, the order going to a British builder for £2,165 per engine f.o.b., with delivery in nine months. As regards the particular case of these Baldwin engines, however, there can be no possible shadow of doubt that their purchase was not only the very best investment for the Burma Railways Company, but it was the only possible arrangement whereby we succeeded in obtaining sufficient engine power to carry on the immensely increased traffic of the company. Had we waited the extra twelve months to obtain British built engines the state in which we would have been for want of engine power would have been simply disastrous. There can be no possible question that the purchase of these 20 engines saved to this company an immense loss of revenue. By the time their faults are eliminated and their coal consumption brought down to the same scale as British engines there will be few complaints against them, and I look forward to their doing the company many years of thoroughly good service."

## TO BE SUCCESSFUL.

With possession of the ability necessary to properly govern the purchase and sale of merchandise no retailer should fail, providing he had sufficient capital on beginning to pay in full for his first purchases, furnishings, fixtures, etc. Few begin business with this amount of capital, and few begin with the necessary ability to cope with the many obstacles to be subsequently encountered; and as a result, but few make a success of the retail trade. One man may be a capable buyer, shrewd and calculating, a good judge of values in dry goods, clothing, millinery, carpets, and boots and shoes, in which articles there are mysterious values and much to be learned and remembered. Another man may be lacking in these yet be an expert salesman, polite and at-

tentive to all without any pretence at overdoing. He may win trade by the possession of these qualities which bargains at his store would otherwise fail to attract, yet this man may be incapable of judgment in giving credit to the extent of losing more on bad customers than his ability as a salesman attracts among those who pay cash or are thoroughly reliable.

Another may guard himself against such losses, possess most of the above-mentioned attributes yet permit of mistakes being constantly made in giving wrong goods, weight, measure, or change. Errors may appear each month on his accounts, these all telling against his trade to an extent which causes him not only to lose on many transactions, but to lose many of his best customers. Another dealer may incline to the belief that every article he buys at wholesale he must sell at a profit, in this manner permitting of much old, depreciated, shop-worn, old-style, or unsaleable goods being constantly seen in his store, this being added to instead of decreasing until his best customers, those who pay cash and want the best and latest, are taught to look upon his store as possessing only the sort of goods which are constantly being sacrificed in the "bargain basements" or "Friday special cut-price sale tables" of the large departmental establishments.

Still another dealer may keep himself on the right side of all the above-mentioned yet be induced to place much of his capital in outside ventures, too often resulting disastrously and compelling him to finally compromise with his creditors for purchases where his business ability and native shrewdness were recognized to his after advantage, and where his steady success had gained for him a name among the wholesale houses and local banks, of which many a larger dealer might be proud,

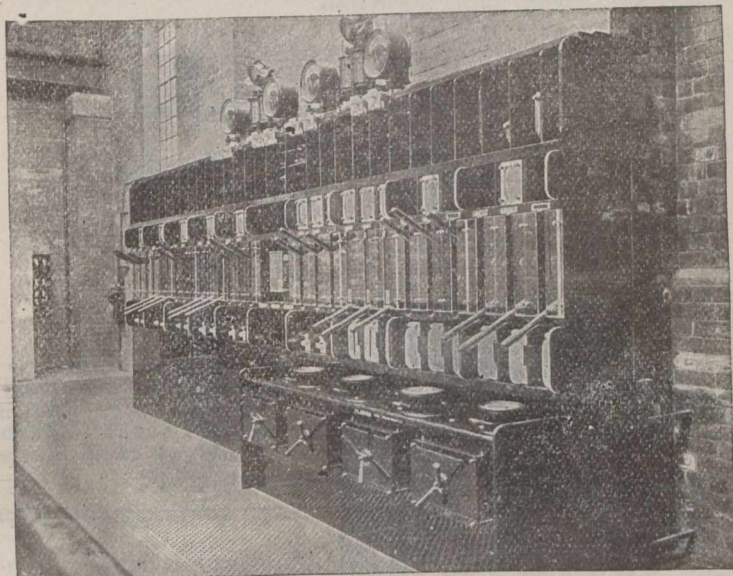
But who possesses the ability and shrewdness to successfully cope with all such obstacles; and find himself at the same time equal to the best in purchasing, selling, keeping stock fresh and new, accounts correct and mind free from the danger attending outside ventures? Are they to be found always among those who have been successful in the retail trade? No. Success has attended many possessed of but a few of these. Were the retail trade to be confined solely to the number among the retailers of to-day who could be shown to possess all of the above redeemable business features, there would be many splendid chances for new business openings be-



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cause about 70 per cent. of the total would be forced to retire.

Ample capital at the beginning has been the means of making many successful who did not possess as many of the other redeeming traits as shown by competitors who were forced to retire for lack of sufficient capital. The dealer who chooses his location with care, who can avoid credit losses and can guard against the persuasive traveller selling him more goods than he actually needs or can conveniently pay for when the bill becomes due, who keeps his expenses consistent with his sales and avoids outside investments, need have no fear of a custodian ever being given temporary possession of his stock while his creditors are discussing the best means of getting the largest percentage which his estate will yield.

ANOTHER BEFOULING INSTANCE.

Elsewhere we deal at some length with a practice, indulged in by a certain element among the daily press of Canada, of enlarging on occurrences of minor importance, apparently regardless of possible injurious results. The following letter from the Vancouver, B.C., Board of Trade explains itself:—

Vancouver, 17th Jan., 1902.

The Editor Canadian Journal of Commerce, Montreal:

Dear Sir,—The attention of this Board having been called to a paragraph in your issue of 3rd inst., page 43, regarding the effects of the storm on Christmas, I beg to state with regret that through the vapourings of some unknown penny-a-liner which appeared in a Toronto daily paper and has, apparently, been reproduced in a

telegram sent to the Central News Agency and so been reproduced in some thirty or more leading British papers, a very great injustice, and what may be a far-reaching injury, has been done to the interests of this Province unless the same be contradicted. In special reference to your article, I would say that I am to-day informed from one of the most responsible sources in Stevetson, B.C., that that town was not even flooded. The dykes broken were old hand-made dykes and the damage has already been in great part repaired. The only casualty to the "Japanese Colony" was that a small cabin in which seven men lived was floated off its base, but the occupants were quickly rescued and not one death has been reported from any cannery on the Coast. Not a single cannery has been destroyed and the enclosed letter rather overstates the extent of the damage than otherwise. Our Board confidently appeals to your sense of justice to give these facts prominence in your important Journal. I may state, further, that I shall at any time be pleased to afford you accurate information on any matter which you may desire to enquire about, regarding this locality.

Yours truly,

W. SKENE, Secretary.

Vancouver, 11th Jan., 1902.

Editor ..... Toronto:

Dear Sir,—Calling your attention to the enclosed cutting from the Vancouver World, of January 7th, being an extract from your paper, we beg to say that the paragraph in question is so utterly devoid of any essence of truth, the repetition of such nonsense is so detrimental to the interests of this Province, that we must request that you will have the fairness to give this letter full prominence in your paper, and we further trust that you will take such means for deriving your information from this Coast, as will prevent a recurrence. The total dam-



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age to all the canneries on this Coast, according to the collective information to hand, will not exceed a sum of \$10,000 (ten thousand dollars) and beyond the breaking of the dykes on Lulu and Sea Islands, which has caused temporary flooding at high water, there has been no serious damage, no lives have been lost at the canneries and there is no B.C. railway which was affected by the flood, there being in fact no line in the actual district.

Very truly yours,

(Signed),

F. F. BURNS,  
President Vancouver Board of Trade.  
WM. SKENE,  
Secretary Vancouver Board of Trade.  
W. FARRELL,  
President Fraser River Cannery Assn.  
W. D. BURDIS,  
Secretary Fraser River Cannery Assn.

Reference to the paragraph in question was made in our issue of the 24th instant.

### THE BICYCLE TRADE.

When the bicycle business was at its height some six years ago, there were even then found among jobbers and manufacturers a few who questioned the permanency of the rapidly revolving pneumatic tires. This feeling, however, did not become sufficiently widespread to prevent many staking their all in plants and stock, only to find

before another summer had passed that the leading makers of tubing and tires had "caught up" with the rushing demand and forthwith began turning out "scorchers" at a rate which soon brought prices down to a close figure. Numerous failures among the smaller manufacturers followed; and their stocks being purchased by leading departmental stores, soon resulted in bicycles being freely offered at \$10 to \$19.

This had but one result. Every boy and girl in the land could now go wheeling, and they did. But, because everyone who wanted—or thought he wanted—a wheel, got one, the novelty died away. Slowly yet surely it collapsed before the multitude comprising, not those who could readily afford \$60 to \$75, but the vaster army who could arrange to save \$15 to \$25 on their season's wearing apparel.

What every person possesses is no longer a novelty and while yet we see, even in the winter months, a bicycle being used for personal convenience, and while the returning summer will see many wheels out, and a considerable number being sold from dealers 'up-to-date' stores, the "craze" to go on wheels will not be what it was some years ago.

A meeting of some of the shareholders of the Canada Cycle & Motor Co., resident in the City of Toronto, was held on the 27th inst. About 1,000 shares were represented. The following resolutions were adopted:

"That an advisory board be formed for the purpose of considering what action should be taken on behalf of the shareholders of this company against the directors, and to act as a consulting and advising committee from time to time in connection with solicitors and counsel, and generally to do all things necessary to be done for securing to the shareholders of this company the largest pos-



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TELEGRAPHIC ADDRESS :

A. I. and

Globe and Saunder Bank Iron Works,

A. B. C.

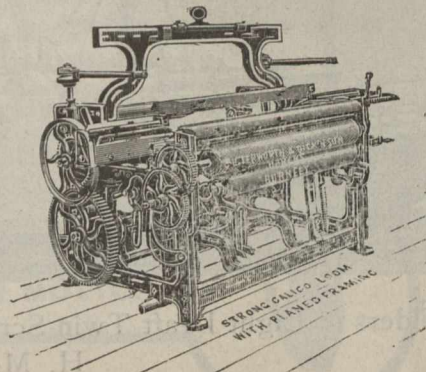
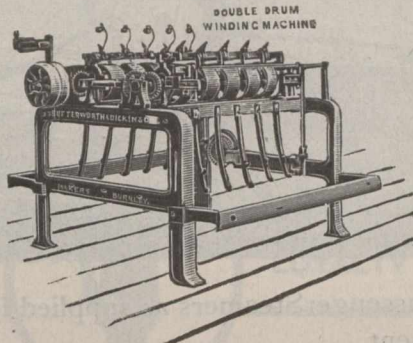
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Codes.

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sible relief against the directors; and also communicate with all the shareholders with a view to secure their cooperation and assistance in the prosecution of whatever course they may undertake, and that the members of this board be Messrs. R. Thompson, G. W. Bedels, W. H. Mulkins, W. Lamport and — Gray, with power to add to their numbers."

"Resolved, that the shareholders of the Canada Cycle Motor Company resident in the City of Toronto in meeting assembled this 27th day of January, 1902, place ourselves on record as follows:—

"(1) That we express our intense dissatisfaction with the last annual statement presented by the directors of this company to its shareholders, bristling as it does with admitted errors on the part and lack of business sagacity in the part of those whose reputation in the community led many to expect different results.

"(2) That we express our dissatisfaction and heartily disapprove of the policy of the directors in paying dividends of \$175,000, when but \$2,035.28 had been earned, and cannot accept the statement made that the directors were not in a position to know what business was being done (considering also the fact that the last dividend of \$87,500 was paid in July, and the year's business of the company ended August 31st), for it was their duty as directors to find out what money was in hand before declaring and paying the dividend.

"(3) That we express our disapproval of their policy of paying dividends because it induces many to purchase stocks as a dividend-paying investment, and it leads also to the conviction that the purpose of paying dividends such as the above mentioned is to induce purchasers of it and cause the stock to have an inflated value.

"(4) That we express our entire disapproval of the policy of the directors of this company in withholding from its shareholders a full and complete statement of the details as to expenditures and receipts of the said company.

"(5) That we believe it in the interests of the shareholders of this company and the public generally that the Government of this Province should appoint a commission to investigate into the affairs of this company from its inception and make public the result of such investigation.

"(6) That we bind ourselves to united action in endeavoring to make the directors of this company restore to its treasury the sum of \$175,000 paid out in dividends last year, and to such further action as the advisory board appointed at this meeting shall see fit to undertake."

### BRITISH COLUMBIA MINERALS.

The estimated amount of mineral products of British Columbia for 1901, and value thereof, as compiled by Wm. F. Robertson, Provincial Mineralogist, show an increase of 25 per cent. on gross value of output over the year previous.

The estimate is based upon the actual returns of a number of the mines, and for those mines from which returns have not as yet been received the output is based upon their approximate known tonnage for 1901, together with the assays of the ores from the same mines for the previous year. In calculating the values of the products the average price for the year in the New York metal market has been used as a basis. For silver 95 per cent., and for lead 90 per cent. of such market price has been taken. The estimate for 1901 is: Gold, placer, 43,204 oz., \$892,500; gold, lode, 227,696 oz., \$4,704,200; silver, 4,685,718 oz., \$2,624,002; copper, 30,736,798 lbs., \$4,951,698; lead, 50,529,260 lbs.; \$1,970,641; coal, 1,529,210 tons, \$4,587,630; coke, 134,760 tons, \$673,800; other materials, \$309,030; total, \$20,713,501.

The tonnage of ore mined from the lode mines in 1901 is about 871,832 tons, an increase of 317,036 over 1900, or a little over 57 per cent. The production of mineral by districts and divisions as compared with 1900, is as follows:—

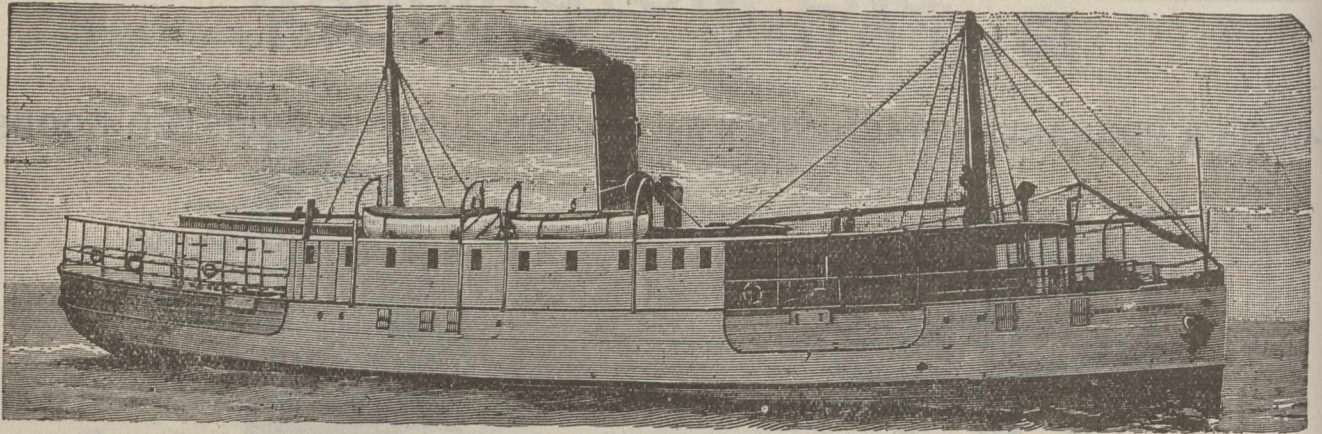
	1900.	1901.
Cariboo District . . . . .	\$684,527	\$470,000
Cariboo and Quesnel . . . . .	672,000	450,000
Omineca . . . . .	12,527	20,000
Cassiar . . . . .	467,479	320,000
East Kootenay . . . . .	86,962	26,536
West Kootenay . . . . .	6,020,783	7,362,189
Trail Creek . . . . .	2,739,300	3,855,556
Nelson . . . . .	787,082	1,110,226
Ainsworth and Slocan . . . . .	2,413,373	2,240,615
Other parts . . . . .	81,028	155,792
Lillooet . . . . .	88,493	56,900
Yale . . . . .	1,422,465	4,751,458
Grand Forks and Kettle River . . . . .	1,358,383	4,695,469
Other divisions . . . . .	64,082	55,989
Coast districts . . . . .	4,805,153	4,902,665

—Grand Trunk Railway System—Earnings 15th to 21st January, 1902, \$525,360; 1901, \$506,457; increase, \$18,903.



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Builders of Light Draft Twin-Screw Steel River Passenger Steamers as supplied for  
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STEAM LAUNCHES UNDER CONSTRUCTION FOR SALE. STEEL STEAM BARGES. TWIN & SINGLE SCREW  
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### THE POPULAR THIRST.

Referring to our article in last week's issue, relative to the annual consumption of liquors in several countries, we publish herewith the figures pertaining to Canada's consumption of liquors for a period of years, as many of our readers will wish to know how the Dominion is faring in this matter:

Statement showing quantity of spirits, subject to excise duty, taken for consumption during the years ended June 30, 1898, 1899, 1900, and the duty accrued thereon:

	1898.	Duty.
Gallons . . . . .	1,878,345	\$3,563,575.92
Imported do. . . . .	94,681	28,404.39
	1899.	Duty.
Gallons . . . . .	2,410,170	\$4,566,147.06
Imported do. . . . .	137,825	41,347.41
	1900	Duty.
Gallons . . . . .	2,524,069	\$4,778,352.20
Imported do . . . . .	134,969	40,490.72

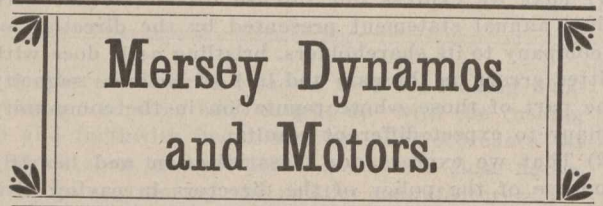
### FIRE LOSSES.

Granby, Que., Jan. 26.—Gillean Horse Collar factory burned. Loss heavy; insurance, \$22,500.—Charlottetown, P.E.I., Jan. 24.—McLean Mfg Co.'s plant burned. Loss

heavy; partial insurance. Fire originated in tailor room.—Bloomsburg, Ont., 24.—Store, blacksmith shop and post office in connection burned, with contents. Buildings were occupied by J. Rusling. Public library also destroyed. Fully insured.—Ottawa, 25.—The Hotel Cecil, owned by ex-Mayor Davidson, completely destroyed. Sup-

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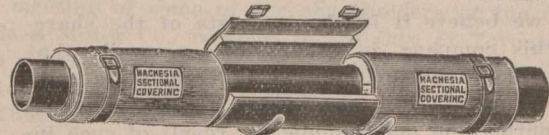
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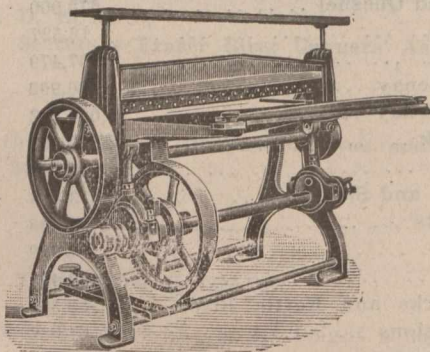
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posed cause, defective insulation of electric light. The total loss on building and contents, as estimated by the proprietor, is \$60,000. The insurance on building and contents is \$34,000, as follows: On the building—The Sun, \$5,000; the Queen, \$5,000; the National, \$7,000; London and Lancashire, \$5,000; total, \$22,000. Contents—North America, \$3,500; Union, \$2,500; two other companies, \$6,000; total, \$12,000.—Halifax, 26.—The Bourinot residence at Sydney, the birthplace and early home of Sir John Bourinot, destroyed. \$1,000 insurance on building, in Norwich Union, and \$800 on furniture in Royal.—Halifax, N.S., 27.—Mrs. William Barnhill's residence at Fairville, destroyed. The building was valued at \$5,000, with \$3,000 insurance, half each in the Union and Liverpool, London and Globe.—Rat Portage, Ont., 27.—The Hilliard House, the Queen's Hotel and Gardner's and Wilson's general stores, destroyed. The Hilliard House was one of the best known summer resort hotels in the West. The losses and insurances are: Hilliard House, worth \$25,000; insured probably for about \$15,000; H. C. Percival, the new lessee, is a heavy loser. His stock, worth \$5,000, is insured for about \$3,000. Gardner's block, insured for \$3,500. Queen's Hotel, valued at \$6,000, leased to W. Brady, owned by W. Clougher, of Winnipeg, insured for \$2,500 on stock, \$2,000 on furniture; lessee's losses, about \$3,000. Wilson carried no insurance, but most of stock was saved. Ferrier's grocery damaged by water and smoke. Origin of fire a mystery, but supposed to have started in the Hilliard House. The total loss will amount to about \$60,000.

#### DAIRY PRODUCE.

A private London circular date 17th instant, treating of the dairy produce situation, says: Butter.—The demand for Australian and New Zealand butter continues good, and prices are virtually unchanged on the week. Choicest makes 104s to 106s, with special brands at 107s and finest 98s to 102s. The shipments from Australia continue to decline, and the Rome, which twelve months ago brought 17,902 boxes, sailed this week with 3,703. From this it appears doubtful if any more shipments will be made this season. The arrivals from Australia last February were 108,746 boxes, this February they will be 40,627 boxes, or 1,700 tons less. The Rimutaka has left New Zealand with 7,000 boxes less than the previous ship. The Copenhagen Committee has reduced the Official Quotation by 4 kroner, and the top price is now 92 kroner against 103 kroner last year at this time. About a month ago Danish butter was selling at 118s, and Australasian

at 106s. Danish has fallen steadily since then, and now stands at 108s, while Australasian remains where it was at 106s. The attempt of the Danes to injure Australasian shippers has failed, and they stand discomfited with enormous losses to themselves amid the ridicule of British importers. Never for years has the position of Danish butter in British markets stood on a more insecure footing. Both in London and the North of England, New Zealand and Australasian butter is selling at only 2s per cwt. below Danish and in some cases even equal prices prevail. It is very doubtful whether Danish will not even fall below Australasian. Such is the result of the attempt to injure their Australasian opponents. Along with the collapse in Danish butter there has arisen a general feeling in the North of England, that considerable quantities of butter coming from Denmark are not of Danish manufacture. If this feeling should grow, it will be a grand opportunity for Colonial butter, by its long recognised trustworthiness, to secure a still firmer hold on the markets.

Cheese.—The demand for Canadian cheese in London continues good, and prices have advanced another shilling per cwt. Choicest brands are selling at 51s and 52s, the greater portion at 51s, but there is a good business at 52s. New Zealand's have not made more than 50s. One year ago choicest Canadian cheese fetched 54s to 55s and finest 52s to 53s.

#### LEGAL RECORD.

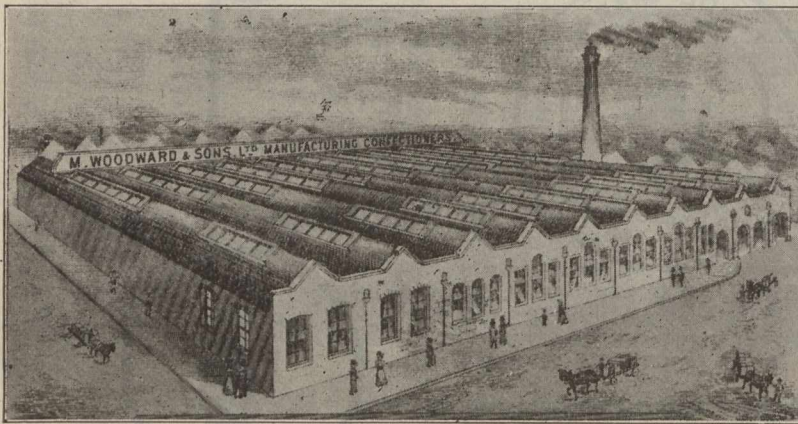
The following is a record of transactions and cases in our Canadian courts of law, comprising Writs Issued and Judgments Rendered for sums of \$300 and upwards (Montreal, from \$175 and upwards), and Chattel Mortgages and Bills of Sale (for sums of \$550 and upwards), as taken from the public records. 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, &c.

#### WRITS ISSUED—ONTARIO.

Barton Tp.—K. Baiton, trustee, vs Bessie East et al, \$409; Belleville—Bank of B.N.A. vs Wm. and Mary L. Johnston, \$1,474; Brussels—Isabella McNabb vs C. Zillias, \$1,000 damages; Charlottenburg Tp.—D. R. McDonald vs Jno. McMartin and Farquier Bros., \$22,297; East Toronto—S. Graves vs R. A. & A. J. Hunter, \$1,277; Goderich Tp.—J. Brindley vs J. K. Brindley, \$2,000; Hay Tp.—



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H. Heycock vs Saml. and E. Rannie, exrs., \$936; Hempworth—W. Baily vs E. G. Cross, \$1,000 damages; North Bay—J. R. Metcalfe vs Wm. and Jessie Hudson, \$307; Orangeville—W. Baily vs McGuire & McKitrick, \$1,000 damages; Ottawa—S. J. Major vs Hercule & J. A. Pinaud, \$664; D. J. Driscoll vs E. Tasse et al, \$400; Peel Tp.—J. McEwing et al vs Geo. Tucker, \$500; Petrolia—W. Baily vs Kedwell et al, \$1,000 damages; Port Colborne—W. Baily vs G. J. Bell, \$1,000 damages; Stratford—W. Baily vs W. O'Beirne, \$1,000 damages; Toronto—W. H. O. Horne vs Electrical Cab Co., \$4,611; Berlin—L. Weber vs Berlin Rubber Co., \$27,719, settled; Blanshard—Trusts & Guarantee Co. vs Herbert Hogg, \$900; Burlington—A. S. Levy vs A. B. Coleman, \$10,402; Consecon—D. D. & W. R. Bowerman vs J. J. and M. J. Ward, \$1,525; Hamilton—T. Brown vs A. T. Ford, \$3,000 damages; Osnabruck Tp.—Altha A. Paupst vs Jno. Lang, \$2,000 damages; Ottawa—Annie L. McCullough vs Hugh Alexander, \$2,500 damages; Picton—A. H. Bennett vs Holy City Co. et al, \$316; Strathroy—G. Payne vs Jane and Richard Moyle, \$5,000 damages; Toronto—Bank of Hamilton vs A. K. McIntosh, \$8,712; Mary Fox vs Elizth. Stock, et al, \$2,950; Can. Gen. Elec. Co. vs E. A. Wallace, \$1,321; Warton—G. P. Magann vs W. D. Crumb, \$349.

**WRITS ISSUED—MANITOBA & N.W.T.**

Dauphin—P. J. Beauchamp, \$317; Letellier—J. W. McCrea, \$339.

**WRITS ISSUED—BRITISH COLUMBIA.**

New Westminster—John Laberry, \$3,192; Victoria—Morris Marks, \$822; Alberni—Frank Bros., \$1069; New Westminster—John Laberry, \$3,196.

**JUDGMENTS RENDERED—ONTARIO.**

Cobourg—Port Hope Brelw. & Malting Co. agt E. A. McGolrick, \$311; Lancaster Tp.—Margt. Rayside exr agt Alex. Leclair et al exrs, \$563; London—J. Coote agt Eliz. A. Hodgins, \$3,922; Ottawa—C. Larose agt Estate of Mary Kelly, \$2,329; Merchants' Bank agt Grand Calumet Mining Co., et al, \$459; J. Robinson agt W. H. Roughshedge, \$610; Toronto—Redfern, Ltd., agt L. La Trobe-Bateman, \$579; Warkworth—Midland Loan & Sav. Co. agt J. H. & Clara J. Douglas and Wm. and Martha L. Bensley, \$9,181; .....—Eliza J. Chapman agt Chas. Bradd, \$650; Bridgeburg—Randall & Roos agt M. Alonzo, \$352; Listowel—J. Bickner, sr., agt Saml. Bickner, \$686; Melbourne—Copp Bros. Co. agt L. H. Towers, \$349; New Hamburg—Theresa Kuntz agt H. M. Heinrich, et al, \$720; Toronto—E. R. C.

Clarkson agt Hy. and G. Hunter, \$340; E. Hanson et al agt Robt. H. Sproule, \$6,833; A. A. Allan & Co. agt R. Wolfe, \$592; Yarmouth—G. H. Haight agt L. Johnson, \$317

**JUDGMENTS RENDERED—QUEBEC.**

Aylmer—Metropolitan Loan & Sav. Co. agt A. Cook, et al, \$1,738; Montreal—Capital Brew. Co. agt M. J. Lyons et al, \$693; D. C. Brosseau agt Eug. Bourdon, \$413; J. Francoeur agt A. A. Corbeil, \$1,544; Phillips Elec. Works agt F. A. Farrell, \$386; W. J. Henderson agt Jos. Lesperance, \$1,064; Pte. Claire—T. Denis agt Thos. Denis et al, \$645; Westmount—T. McLean agt John Hood, \$528

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

Regina—R. J. Mullin, \$661; Dauphin—P. Beauchamp, \$359.

**JUDGMENTS RENDERED—BRITISH COLUMBIA.**

New Westminster—John Laberry et al, \$403 and \$17,003; Rossland—P. A. Silverstone, \$712; Terra Nova—Robertson & Rolston, \$1,042; Vancouver—Wm. McCulloch, \$387; Victoria—Thos. and Alf. Earle, \$109,570; Greenwood—Western Copper Co., \$1,096 and \$8,146.

**JUDGMENTS RENDERED—NEW BRUNSWICK.**

Sackville—R. L. Douglas, \$389.

**JUDGMENTS RENDERED—NOVA SCOTIA.**

Halifax—Martin O'Sullivan, \$1,056; Jeddore—John Haskell, \$450; Sydney—Donald & Goldsmith, \$587.

**EXECUTIONS—QUEBEC.**

Montreal—Eliza Bowes agt F. Couvrette, et al, \$181; W. H. Brady agt W. B. Baikie, \$283; C. de B. d'Ooudoumont agt T. F. Mace, \$560; S. P. Myers et al agt H. Reader, \$216

**CHATTEL MORTGAGES—ONTARIO.**

Ancaster Tp.—John Filman to W. H. Hughes, \$679; Barton Tp.—Rose and A. D. Smith to E. J. Stewart, \$981; Hamilton—Jos. Golden and wife to J. Gompf, \$3,000; Thos. Kirk to J. Gompf, \$3,500; G. J. Smith to Sarah Greenley, \$1,150; Iroquois—Saml. Frayne to A. I. Ross, \$623; Medonte Tp.—John Ball to Sawyer and Massey, \$642; Ottawa—H. Alexander to Dawes & Co., \$8,245; Annie L.



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Johnson Brook Patent Piston Works,  
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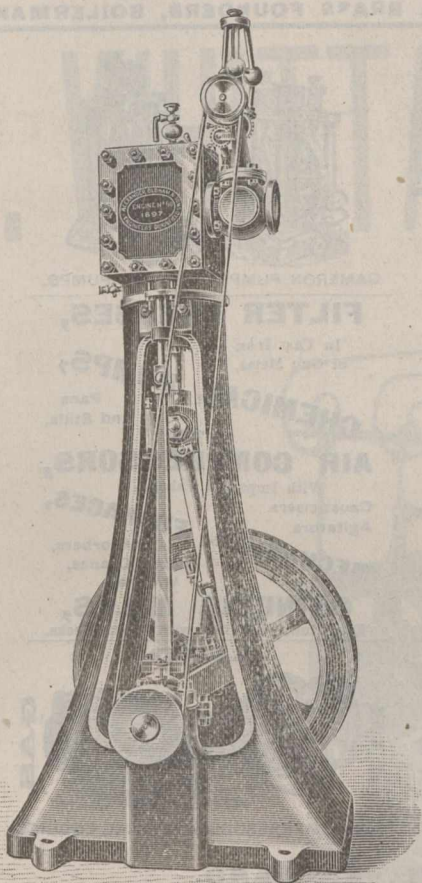


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McCullough to H. Alexander, \$650; Toronto—Jas. M. Adamson and wife to J. A. Rowand, \$750; J. R. Gibson to T. B. Taylor, \$3,571; J. R. Gibson to Dominion Brewery Co., \$3,571; Belleville—Belleville Sun Printing Co. to R. S. Bell, \$2,022; Berlin—Mrs. Anna Bergman to E. Erb, \$1,018; Cobourg—G. Greer and W. J. Heachmer to F. J. Haynes, \$1,250; Cornwall—Smith & Co. to R. A. Pringle, \$648; I. E. Tallon & Co. to C. P. Deroche, \$1,200; Grand Valley—Alex. Cotton to Hamilton & Co., \$2,000; Guelph—John Coons to W. E. Buckingham, \$1,282; Newmarket—W. E. Lehman to R. Kirton, \$900; Norwich—J. J. Bannon to Kerry, Watson & Co., \$665; Ottawa—Thos. Fleming to W. J. Kennedy, et al., \$3,300; Sorrington Tp. — Miss Catherine Barrett to B. M. Britton, \$657; Toronto—B. F. Kendall to J. W. Fenwick, \$800; Moses Levinsky and Jos. Shapira to E. Andrews, \$1,000; W. H. Niddrie to E. Burns, \$825; John O'Connor to O'Keefe Brew. Co., \$5,000; H. E. Simpson to C. B. Simpson, \$3,180; Danl. Stone and wife to Elizth. Kiely et al exrs, \$1,325; Vaughan Tp.—G. J. Cook to W. Cook, \$800; Wellesley—P. H. Hasenpflug to Randall & Roos, \$1,050.

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

Winnipeg—J. N. Irwin, \$1,600; Wolseley—V. H. P. Wetmore, \$2,000.

### CHATTEL MORTGAGES—BRITISH COLUMBIA.

Vancouver—B. C. Shingle Mfg. Co., Ltd., \$4,000; Chilliwack—F. Cawley, \$1,013; Ladysmith—T. L. Grahame, \$4,800.

### BILLS OF SALE—ONTARIO.

Brighton Tp.—J. F. Smith to H. F. Way, \$700; Ottawa—M. & Thos. Butler to T. Fleming, \$4,000; Owen Sound—

H. G. Tucker to C. S. Cameron, \$1,300; Winchester—R. D. Fulton et al to L. E. Ellis, \$1,800; Cobourg—J. F. Haynes to G. Greer et al, \$2,161; Cornwall—J. A. Cameron, assignee, to Mrs. M. Smith, \$648; Frankford—W. Branscombe to A. Branscombe, \$700; Ottawa—F. X. Valade to Evans & Sons, \$1,600; Raleigh Tp.—Milton Bocus to S. Bocus, \$1,500.

### BILLS OF SALE—BRITISH COLUMBIA.

Harison—Fulbrook & Innes, \$13,000.

### BILLS OF SALE—NEW BRUNSWICK.

Shediac—Mrs. O. Poirier, \$3,454.

### BILLS OF SALE—NOVA SCOTIA.

Halifax—F. A. Marr, \$1,170; Antspsport—Newcombe Bros. & Co., \$3,800; St. Peter's—Angus McAskill, \$1,877.

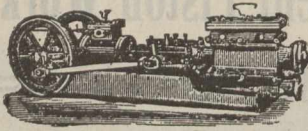
—Incorporation is to be sought, we are told, for the Hamilton Suburban Railway, with power to construct and operate a system of electric railways along the following routes: From Hamilton to Toronto, passing through the Township of East Flamboro', in the County of Wentworth, the Townships of Nelson and Trafalgar, the Village of Burlington, and the Town of Oakville in the County of Halton, the Township of Toronto in the County of Peel, and the Township of Etobicoke in the County of York. From Hamilton to Waterloo, passing through the Townships of West Flamboro', East Flamboro', and Beverley in the County of Wentworth, Dumfries, Waterloo, and the towns of Galt, Preston, and Berlin in the County of Waterloo. From Galt to some point in or near the City of Guelph, passing through the Townships of Dumfries, Wa-



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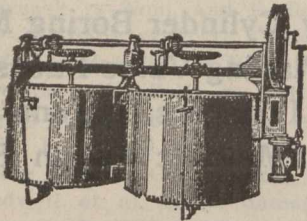
**STEEL SOAP FRAMES**  
The Best  
in the Market.

**CRUTCHING MACHINES**

New Bar-Cutting and  
Tabletting  
Machines

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

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

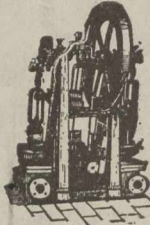


CRUTCHING MACHINES.

**SOAP  
COMPLETE PLANTS**

**CHEMICAL**

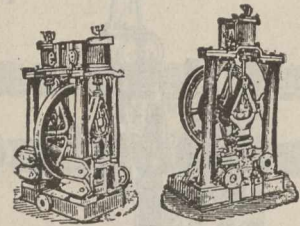
All on Newest Design.



VERTICAL FRAME PUMPS FOR LIQUORS.

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

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



CAMERON PUMPS. PILLAR PUMPS.

**FILTER PRESSES,**

In Cast Iron  
or Gun Metal.

**CHEMICAL PUMPS,**  
Pans  
and Stills.

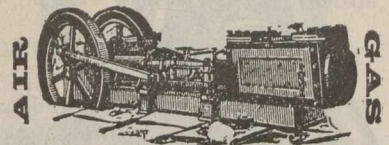
NOTED  
**AIR COMPRESSORS,**  
With Improved Valves.

Causticisers.  
Agitators.

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

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

**ACID**



AIR COMPRESSORS & BLOWING ENGINES.

ST. HELENS JUNCTION, LANCASHIRE, ENGLAND.

# Chemical Plant

PRICES AND PARTICULARS ON APPLICATION.

Special Prices to Canadians under the new Tariff

terloo, and the Township of Guelph in the County of Wellington; and the towns of Preston and Hespeler; and from Hamilton to Guelph, passing through the Townships of West Flamboro', East Flamboro', Puslinch, and Guelph.

—The Mississippi Valley Lumberman in its annual review of the lumber industry, places the total cut of northern white pine for 1901 at 5,396,253,000 feet. The "west of Chicago" district is credited with a cut of 4,214,401,000 feet; the "Chicago and east of Chicago" district with 1,518,852,000. The west district includes Wisconsin, Minnesota and along the Mississippi. Chicago and "east of Chicago" includes Michigan, both peninsulas. The total cut for 1900 was 5,837,862,000. White pine production has been steadily decreasing for several years on account of the rapid decrease in the cut "east of Chicago." Mills in the district above Minneapolis manufactured in 1901 a total of 508,318,000 feet of lumber as compared with 429,920,000 feet in 1900. The Duluth district cut 867,300,000 feet in 1901 as against 735,892,000 in 1900. The cut on the Mississippi below Minneapolis last year was 449,515,000, as against 581,979,000 in 1900.

—St. Thomas, the largest of the Danish West Indies Islands, which the United States is about closing a bargain for, is formed by a chain of high hills running east and west. It is thirteen miles long, measures three miles at its greatest width and contains an area of seventeen square miles. The sea surrounding this island, is filled with small islets, called keys, which belong to it. About two miles to the northeast lies the island of St. John, and some forty miles to the south is the third island, 'St. Croix, or as it is perhaps more generally known Santa Cruz. The port of St. Thomas is a good one, and it is stated that 200 vessels can anchor there with safety. The

islands are considered of great strategic importance. The initial efforts to secure them were begun by the United States during President Grant's first administration.

—Members of the New York Produce Exchange, through whom it was estimated that 75 per cent. of the \$8,000,000 of American food products shipped annually to Cuba are sent, are much concerned at the delay in granting concessions to Cuba in the form of decreased duties on sugar and tobacco. Their advices from Cuba indicate a serious situation. They believe that should the United States refuse to grant a reduction of duty on the imports of the two great staples the result will be ruin to the planter, bankruptcy to the merchant, and great distress to the laboring masses of Cuba, followed by serious industrial disturbances and disorder. Financial and economic disaster to Cuba will correspondingly injure trade and materially reduce exports of flour, corn, lard, bacon, pork, beans, peas, canned goods and other commodities.

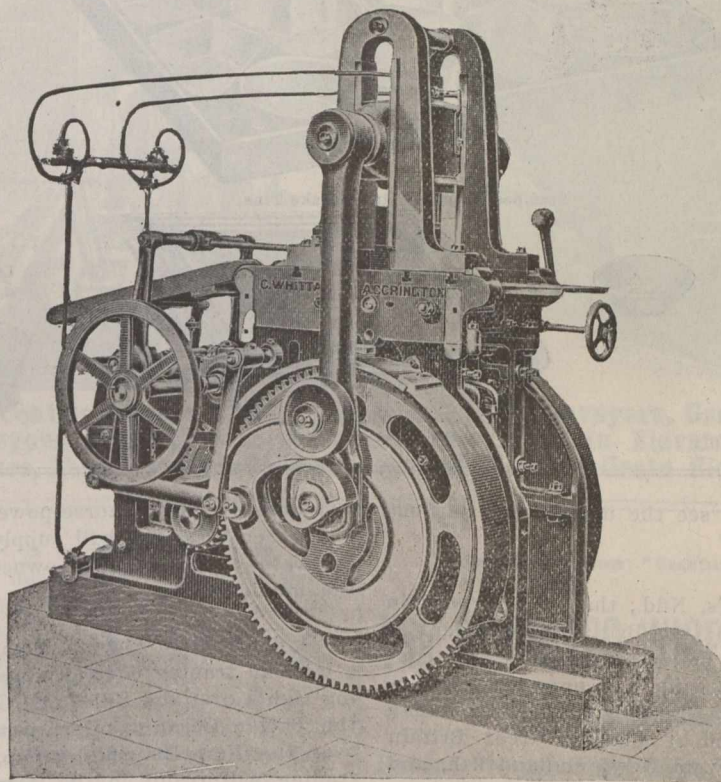
—It is understood that the National Window Glass Jobbers' Association, which comprises nearly all the leading houses in the United States, will shortly announce an advance of 2½ cents in prices. It is, moreover, intimated by authorities in the trade that these prices will be increased from time to time until the price of glass conforms nearer to its cost of manufacture. In other words, it is pointed out that the demoralization of the U. S. market, which has been the result of competition between manufacturers, will be replaced by a steady improvement in the situation. According to trade reports, the independents, who were not represented at the meeting held recently, have practically buried their grievances, and will shortly fall into line with the National Window Glass Jobbers' Association and advance prices.



# ..Clay-working Machinery..

Manufactured by

# C. WHITTAKER & CO., LTD.



Dowry Street  
Iron Works,

ACCRINGTON Lancashire, England.

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

—London advices state that the shareholders of the Shell Transport and Trading Co., whose capital was £2,000,000, had a meeting and decided to increase it to £3,000,000 by issuing 100,000 preference shares at £10 each. This is the company, which, according to recent reports, the Standard Oil Company was to purchase with a view of getting control of the Borneo and Far Eastern Oil interests of that concern. Sir Marcus Samuel, chairman of the Shell Company, was quoted about a month ago as saying that the Standard Oil Co. had been anxious for a number of years to buy the company, but that previous to that time the terms offered had not been satisfactory. The report then was that the Standard Oil Co. had offered £8,000,000 for the Shell Company.

—The creditors of J. G. McIlwraith & Co., dry goods merchants, Hamilton, met recently in that city. The chief creditors are the Bank of Hamilton and Montreal and Toronto wholesale houses. The statement showed: Liabilities—Ordinary claims, \$39,760; preferential claims, \$2,830; total, \$42,590. Assets—Stocks, \$30,370; real estate and book accounts, \$1,300; total, \$31,670. The bank's claim is for \$21,038, and is secured by the stock, book debts and life insurance. The following were appointed inspectors: Messrs. Hamilton Cassels, Fraser Macdonald, A. Bradshaw of Toronto; H. S. Stevens, Hamilton, and J. Spence, of Montreal. The inspectors are to satisfy them-

selves as to the bank's claim, and to dispose of the estate on Feb. 5.

—Authorities in the leather trade in the U.S. report that the conditions now prevailing in the industry are more prosperous than for a long period. At the same time they declare that there are no indications pointing to any slackening in the demand for leather products. In this connection it is reported that the American Hide & Leather Co. is showing net earnings of about \$150,000 per month. This is at the rate of \$1,800,000 net per annum. Fixed charges and sinking fund call for \$650,000 per annum, and 7 per cent. on the \$13,000,000 of preferred stock calls for \$910,000 per annum. All the tanneries of the company, it is understood, are in full operation and the point is made by parties in interest that its leather is being sold as fast as tanned.

—The secretary of the Montreal Board of Trade recently received a letter from the Hon. J. I. Tarte having reference to the French River improvement. In it he states that he is sending two transportation maps to the board and adds: "I hope and trust that your important body will give its attention to the tables of distances that have been compiled by my officers under my direction. I would especially beg of them to consider the immense advantage that would result in the improvement of the French River. Let them look at the map and compare the dis-



# WALKER & HOLROYD,

GENERAL STAMPERS, PIERCERS,

AND SHEET METAL WORKERS.

PIONEER WORKS, THORNBURY, BRADFORD Yorksh re, Eng.



tances, and they will easily see the magnificent national advantages that we possess."

—We learn from St. John's, Nfld., that it is argued in some official quarters that if the British Government is prepared to withdraw from the international sugar conference at Brussels, and to provide a bounty on West Indian sugar, in order to assist Great Britain's West Indian colonies, which are inhabited by blacks, Great Britain should also provide a bounty on Newfoundland fish, and thereby assist this colony, which is wholly inhabited by whites. It is held by certain officials that this action should be taken by the British Government as a return for the renewal by Newfoundland of the French *modus vivendi*.

—The death of Mr. Henry S. Howland, which occurred at his home in Toronto on the 28th instant, will be learned with regret by his hosts of friends in this city as well as throughout the Dominion. Mr. Howland was president of the Imperial Bank, was a younger brother of Sir William Howland, and uncle of Mayor Howland. He was born in Paulings, New York State, in 1824, of an old Quaker family, and came to Canada as a lad of 16 with his father. The family is descended from John Howland, who came to America in 1620 with the Pilgrim Fathers. Mr. Howland was the head of a large hardware house and was deeply interested in railway stocks.

—The Town of Orillia, Ont., says a recent letter, has been given a test light by power from Ragged Rapids, on the Severn River, nineteen miles distant. The town's electric transmission plant is almost completed, and in the trial test worked satisfactorily. Two years ago the contract for the installation of the plant was given to the Electrical Maintenance & Construction Company of Toronto. The cost will be about \$125,000. The town will

be supplied with 750 horse power from two turbine wheels and generators, and will supply light and power at very low rates. The plant is owned and will be operated by the municipality.

—A dispatch to London from Sydney, N.S.W., says that a German trading company has obtained important trading rights over the Ellice and Gilbert groups of islands in the Pacific Ocean similar to those exercised by France over the New Hebrides group, on the ground that its trading will result in the Germanization of the islands. The Federal Government, concludes the correspondent, has been urged to send a protest to Mr. Chamberlain, the Colonial Secretary, in the matter.

—Cleveland advices state that the entire properties of the Everett-Moore syndicate will doubtless be sold. This was admitted by Chairman N. R. Newcomb of the Bankers' Committee, who said that negotiations are on foot for the disposal of both the telephone and the railway properties, and admitted that the cause for holding back negotiations for the sale of single systems is that the committee anticipates the sale of the properties in two lumps.

—The Canadian canal at Sault Ste. Marie was open for navigation for 246 days last season, as compared with 238 days in the season of 1900. The number of vessels which passed through the canal in the period from April to December, was 4,204, an increase of 1,123 over the previous season. The vessel tonnage amounted to 2,449,748 tons or 255,000 tons more than in 1900. The freight tonnage aggregated 2,820 tons, being an increase of 784,717 tons.

—An article on the food products of Canada by Professor Robertson has been printed for circulation abroad,

## 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.

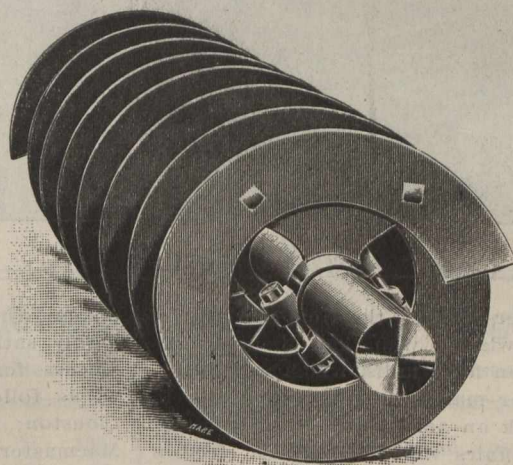
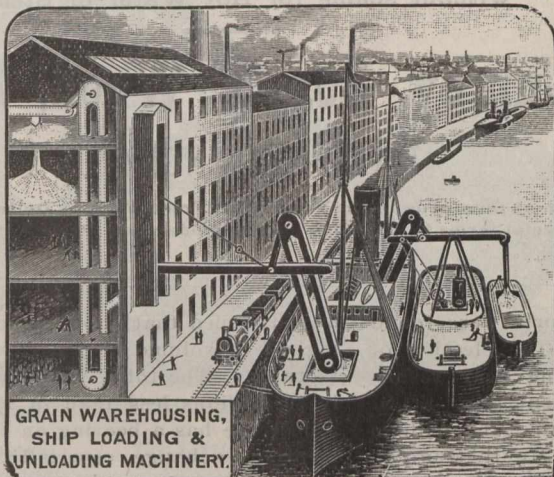


Contractors to H. M. GOVERNMENT.

Telegrams: "CONVEYOR, ACCRINGTON."

# CONVEYOR and ELEVATOR CO.

LOWER BRIDGE WORKS,  
ACCRINGTON, Lancashire, Eng.



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.

and added to the pamphlet is a list of exporters from every part of Canada. It includes the names of firms who handle bacon, hams, etc., butter and cheese, cattle and sheep, eggs and poultry, fruits, grain feeds, and hay, flour, oatmeal, etc., hides, leather, and wool, horses, lumber and agricultural machinery.

—Construction on the Cape to Cairo Railway has already begun northward from Buluwayo towards the Zambezi River—a distance of about 300 miles. A bridge, consisting of one span of 600 feet and situated 400 feet above water, is intended to carry the railway over the gorge, a short distance below the Victoria Falls. Sir Douglas Fox and partners, the London engineers, have drawn up the plans for the structure.

—A company calling itself the Coast Yukon Railway will seek authority to construct a line from Kitimert Inlet, to Douglas Channel, to a point on the Ottawa River, thence by the most feasible route to Dawson.—The Tilsonburg, Lake Erie & Pacific Railway Company will apply for an act declaring all its charter powers to be in force, notwithstanding the non-completion of the railway within seven years.

Telegraphic Address: "STANDARD WIRE, SOWERBY BRIDGE."

## The STANDARD WIRE COMPANY, Limited,

MANUFACTURERS OF

Patent Plough Steel Rope Wire,  
Patent Mild Plough Steel Rope Wire,  
Patent Steel Rope Wire,  
Galvanised Hawser Wire to Lloyds' Tests,  
Galvanised Cable Wire, Bright and Annealed Wire,  
Bright and Annealed Core Wire,  
Galvanised Mild Steel Rigging Wire,  
Soft Steel Screw Wire, Tinned Mattress Wire.

SOWERBY BRIDGE,  
ENGLAND

ALSO AT  
DARLINGTON.

### GUARDIAN ASSURANCE CO. FIRE.

Credit is due Montreal's fire brigade for the efficient handling, on Tuesday night last, of what would have otherwise proved a match for the conflagration which swept some blocks of the business centre a year ago. The fire was confined to the Guardian Fire and Life Assurance Co.'s narrow building in which it originated, although the men's furnishings stock of Mr. R. J. Tooke, adjoining, suffered considerably through smoke. These firms were burned out: J. Cradock Simpson Real Estate & Agency Co.; the Dominion Burglar Guarantee Co.; the Advance Messenger Service; the Guardian Fire and Life Assurance Co.; the Citizens' Insurance Co.; Arthur F.

Hogle, advocate; Foster, Martin & Archibald, advocates; Davidson & Ritchie, advocates; John Hyde, chartered accountant; McGoun & England, advocates and barristers; Hutcheson & Wood, architects; Toronto Pharmacal Co.; D. H. Burroughs, advocate; Canadian Goldfields Syndicate. Loss on building' is estimated at \$40,000. The insurance on the building is divided among the following companies: Atlas, \$7,500; Guardian, \$10,000; Imperial, 7,500; Royal, \$15,000; total, \$40,000. R. J. Tooke is insured for \$42,000 in the following companies: Alliance, \$5,000; Commercial Union, \$5,000; Guardian, \$6,000; Hartford, \$5,000; London Assurance, \$5,000; North British and Mercantile, \$8,000; Royal, \$5,000; Western, \$3,000; total, \$42,000.

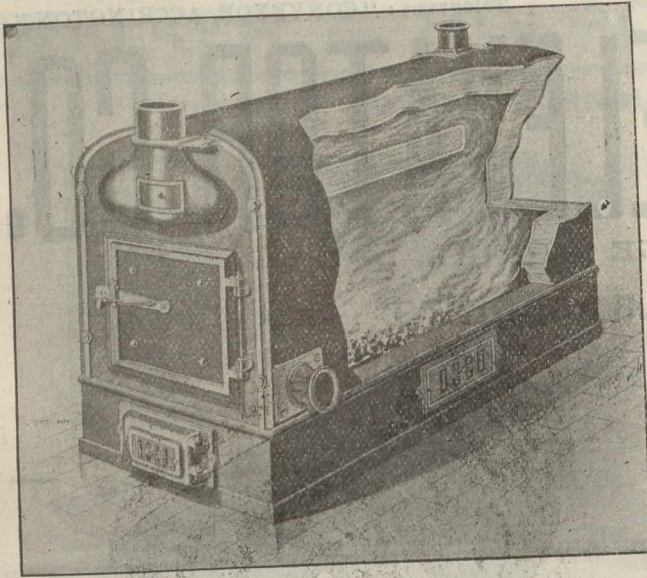
The Dominion Burglary Alarm carries \$6,000, divided between the Western and Aetna.

### THE LATE MR H. S. HOWLAND.

One of the best known and most widely respected citizens of Toronto passed away by the death this week of Mr. Henry S. Howland. On Saturday last he was inspecting his milling properties at Kleinburg, Ont., where he was stricken with apoplexy, which ended fatally on the 28th inst. Mr. Howland is a descendant of John Howland, a Quaker, who came out with the Pilgrim Fathers, in 1620. In 1840, in his 16th year, he came to Canada to join



Telegrams :—"Lumby, Halifax, Eng."



# BOILERS

FOR ALL PURPOSES.

All Wrought WELDED without rivets, and without seams for Hot Water or Steam.

**Lumby, Son & Wood, Ltd.,**  
HALIFAX, ENGLAND.

Finest Catalogue in the Trade Post Free. Prompt Deliveries.  
Special terms to Canadian buyers under new Preferential Tariff

his elder brother, the Hon. Sir William P. Howland, who had bought the Lambton flour mills, which were operated for many years by the deceased. He took an active part in local municipal affairs which led to his election as Warden of the County of York. He did much in promoting the railway system of Ontario, being president of the Toronto & Nipissing, and Toronto, Grey & Bruce, and Toronto & Ottawa railways. He was the first vice-president of the Bank of Commerce, a position he vacated to become president of the Imperial Bank. He was also president of the Imperial Trust Co. As a business man Mr. Howland was distinguished by great soundness of judgment, prudence, and conservative methods. In politics he was long a power until he adopted protectionist principles which caused a break in his party connections. He was uncle to the Mayor of Toronto. He leaves four sons, Peleg, Henry, William, and Thompson, also two married daughters. All Toronto will mourn the loss of so honourable a citizen.

—The wholesale millinery stock of J. M. Hamilton & Sons, Toronto, was damaged by fire to the extent of some \$30,000 on the evening of the 29th instant. Damage to building about \$1,000. The insurance includes: Atlas, \$7,000; Royal, \$2,000; Commercial Union, \$2,000; Guardian, \$1,000; Western and Hartford are also interested.

—The old established wholesale fruit firm of Vipond & McBride, Montreal, has filed consent to assign. The business was established in 1870, the firm being prominent importers for many years and have enjoyed a large trade. Mr. James McBride, one of the firm, was a special partner for \$20,000 in the firm of Tester & Co., which assigned in February, '98. It is supposed he lost a large portion of this amount. Regret is freely expressed for the firm's present trouble, and it is hoped an arrangement will be made whereby the business may be continued. A statement is being prepared.

—At the annual meeting of the Montreal Rolling Mills Co. on the 30th

instant, the usual reports were found highly satisfactory. The election of officers for the ensuing year resulted as follows: President, Mr. E. S. Clouston; vice-president, Mr. William Macmaster; directors, Mr. H. Montagu Allan, the Hon. G. A. Drummond, the Hon. Robert Mackay, Mr. J. S. McLennan and Mr. James Ross.

—Fire destroyed the bedstead and spring factory of George Gale & Sons, at Waterville, Que., on the 30th instant. The total loss is estimated at nearly \$60,000. The loss is partly covered by insurance, in the Stanstead and Sherbrooke Mutual, Queen's, and North British.

## FINANCIAL.

Montreal, Thursday E'vg.

30th Jany., 1902.

The financial event of the week is the announcement that the Canadian Pacific proposes to raise \$20,000,000 more capital. The line is extending its connections and operations so as to require further resources. That there is a good prospect of the new capital earning dividends equal to those made in late years is shown by the shares maintaining their price under above announcement. The earnings of last year were 25 per cent. larger than for the corresponding period in 1900. The sales of Pacific yesterday were quite heavy at 112 to 113¾, at which prices 2,915 shares were sold. Another big event is the purchase of the Canada Atlantic line by Dr. Webb and other capitalists. The New York Central is believed to be the real buyer, in association with the St. Lawrence & Adirondack. The purchase money is stated to be \$10,000,000. The equipment of the line is to be developed, grain elevators will be built at Depot Harbor, Sorel, and Quebec, and the line worked in connection with large steamers to run between Chicago, Duluth and Depot Harbor. Heavy expenditures are contemplated that will be of advantage to Canada. An American Pacific Cable will probably be constructed at a cost of \$10,000,000, as a vote in its favour has passed the authorities at Washington. A report

is just issued that shows a heavy falling off in volume of American manufactures. The total in 1901 was nearly 50 millions less than in 1900. Such a decrease has a bearing on the movement of exchange, especially as while these exports have been falling off all through last year, the imports were increasing. The desire of American banks to reduce their holdings of bonds, as circulation had been much lowered against which bonds were held, has affected the price of U. S. bonds. It is a curious phase of currency that, the redemption of note issues, after the harvest expansion, should affect the value of the nation's securities. Consols are ranging between 93¾ and 94. The bank rate is down to 3½ per cent. South Africa securities are rising under signs of some movement being afoot looking to peace being established. Mr. Chamberlain's speech containing a rattling defence of the Government's policy, a caustic criticism of the pro-Boer party, and polite snub of Germany, has proved a decided tonic to England and narcotic to her enemies whose snarls it silenced. Such a speech is worth millions to the country, as it raised its credit to the country, and weakened its enemies. The local stock market is buoyant. Montreal St., has sold at 264½ to 265; Dominion Steel, 28 to 28¼; preferred, 86½ to 87; Montreal Cotton, 126; Dominion Cotton, 40; Toronto St., 116 to 117¾; Dominion Coal, 63¾; Twin City, 111¼; Hochelaga Bank, 142; Merchants, 145½; Montreal, 258; Commerce, 152; Toronto, 230; Dominion, 240¾; Hamilton, 225¼; Paris, exchange in London, 25f. 13c.; Berlin, 20m. 44pf. Local foreign exchange, 60's, 9¼ to 9¾; demand, 9¾ to 9¾. Call loans, 5 per cent.; general rates unchanged.

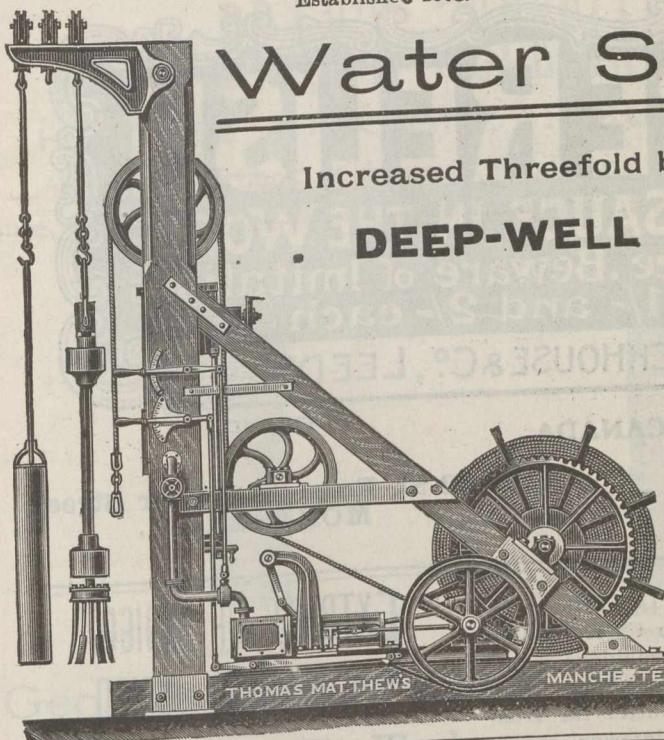
The following is a comparative table of stocks for week ending Jan. 30th, supplied by Chas. Meredith & Co., Stock Brokers, Montreal:

Banks.	Shares.	Average same date 1901
	sold. Highst. Lowst.	1901
Montreal . . . . .	40 259 257	257½
Molsons . . . . .	113 209 207	190
Merchants . . . . .	38 145 145	150
Commerce . . . . .	22 152 150	147



Established 1870.

Telegraphic address: "ARTESIAN, Manchester.



# Water Supplies,

Increased Threefold by THOMAS MATTHEWS' PATENT

## DEEP-WELL AND BORE-HOLE PUMP.

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

**Thomas Matthews,**

Hydraulic Engineer,

Pendleton, Manchester, England.

Special terms to Canadians under the New Preferential Tariff.

Hochelaga . . . . .	127	142½	141	.....	Merch. Cotton . . . . .	70	75	74	130
Miscellaneous.					Payne . . . . .	19000	30	29	54
Can. Pac. Ry.. . . .	7796	114¼	112	88½	Virtue . . . . .	5500	22	20	30
Montreal St. . . . .	1251	265¼	263¾	266½	North Star . . . . .	6000	24	23	85
Mont. Power Co. . . .	885	93¼	92	.....	Dom. Coal, com.6112	65	61¼	35	
Toronto St. . . . .	1615	117½	115	110	Do. pref. . . . .	105	118	117½	108½
Twin City . . . . .	1749	112	108½	70	Interc'l. Coal,com	25	50	50	.....
Halifax St. . . . .	308	103¼	102	94	Dom. I. & S.,com	2856	29¾	26¾	.....
Winnipeg Ry. . . . .	100	125	125	.....	Do. pref. . . . .	5292	89	85¼	.....
Rich. & Ont. . . . .	465	111	110¼	109½	Windsor Hotel . . . .	25	80	80	.....
Com. Cable . . . . .	150	164¾	164¼	166½	Bonds.				
Mont. Tel. . . . .	51	173	173	173	Intercol. Coal. . . . .	4000	94	94	.....
Bell Tel. . . . .	26	169	166	172	Can. Col. Cotton	3000	101½	101½	98½
Mont. Cotton. . . . .	125	126	122½	137½	Laur. Pulp. . . . .	2000	103	103	.....
Dom. Cotton . . . . .	635	45	40	91½	Dom. I. & S. . . . .	232000	85½	83½	.....

break up roads or cause any lull in wear or demand for the heavy goods made to sell only in cold weather. With retailers thus favored the wholesale trade is borne along without pushing on the part of those directly concerned. Values have shown but little change during the week. Turpentine advanced 2c gallon, following an advance of 5c per gallon the week previous. Finest grades of creamery butter are scarce and wanted while lower qualities are in excess of requirements. Cheese is unchanged as to price. Hardware shows no change in values with good orders coming to hand for future delivery. Leather is moving fairly well. Wool is slow, but firm here in keeping with the advance in London.

**BUTTER.**

There is a scarcity of finest creamery with a good business passing for this quality at 21c to 22c. But for all grades under finest the market is overstocked and ruling very dull. Demand for these is slow and unsatisfactory, offering at 19c to 20c. In dairy butter receipts show considerable increase and stocks are accumulating as the demand is light. As a result the market is weak and unsettled, prices showing a wide range. Western is quoted at 14c to 17c; Townships, 17c to 20c, and fresh rolls, 16½c to 17c.

**CHEESE.**

The market is somewhat dull and heavy under large offerings, while sales are reported light. Finest West-

## El Padre Needles

10 cents.

# Varsity,

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		
Jan. 30, 1902	\$15,216,442	\$2,027,900
Corresponding		
week, 1901	12,813,220	1,635,498
" 1900	12,007,712	1,647,422
" 1899	14,994,542	1,889,181

**BRAZILIAN EXCHANGE.**

For week ending Jan. 28, 1902.

Jan. 22	12	1-32d
23	12	
24	11¾d	
25	11	13-16d
27	11	11-16d
28	11	19-32d

**MONTREAL WHOLESALE MARKETS.**

Thursday, Jan. 30, 1902.  
Trade is regular as becomes a winter devoid of changes sufficient to

Telegrams:—"PUMPHREY, Glasgow."  
**W. & M. PUMPHREY,** Bridal & Banquet Sugars.  
**SUGAR MILLERS,**  
Crownpoint Road, - Glasgow, Scotland.  
And at Thornaby-on-Tees, London & Manchester England.

Icing and Caster

# SUGARS

as they Should be!

Special Prices to Canadians under the New Tariff.



# YORKSHIRE RELISH

**THE MOST DELICIOUS SAUCE IN THE WORLD**  
 The only Cheap & Good Sauce. Beware of Imitations  
 Sold in Bottles 6<sup>d</sup>, 1/- and 2/- each.

Proprietors, GOODALL, BACKHOUSE & CO., LEEDS.

AGENT FOR CANADA

ENGLAND.

**CHAS. GYDE,** -

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

ern is quoted at 10c to 10¼c; Eastern, 9¼c to 10c. Shipments of cheese and butter from Portland and St. John, N.B., for week ending January 25th, were:

	Cheese.	Butter.
Liverpool . . . . .	1,739	1,010
Bristol . . . . .	23,538	50
Manchester . . . . .	1,839	220
Total . . . . .	27,116	1,280

Total since close of navigation . . . . .301,518 27,408  
 A London cable of recent date says: The revised official figures published of British dairy imports show that Canada continues easily first in cheese, sending in 1901 three times as much as the United States, which has second place. Canada received £3,697,780 and

the United States £1,274,061. The Times recalls how the United States lost trade by the unscrupulous methods of makers of filled cheese, who removed the natural butter fat from the milk and inserted inferior, cheaper fat. Canadians acquired a grip of the trade which they were not likely to relinquish. Denmark is easily first in butter, supplying 43 per cent. of British imports; Australia second, Siberia third, Canadian and American supplies are erratic, though Canada received £1,008,002, against the United States £689,164.

**CHEMICALS, OILS, ETC.**

An advance in turpentine to 66c and 67c was the only feature of the week in these lines. Light stocks and a report of a considerable reduction in the producing countries are the causes

## EXTRACT OF INDIGO. REDUCED INDIGO.

**J. W. EASTBURN,**

Raglan Chemical Works:  
**HALIFAX, ENGLAND.**

Special prices to Canadians under the new Canadian Tariff.

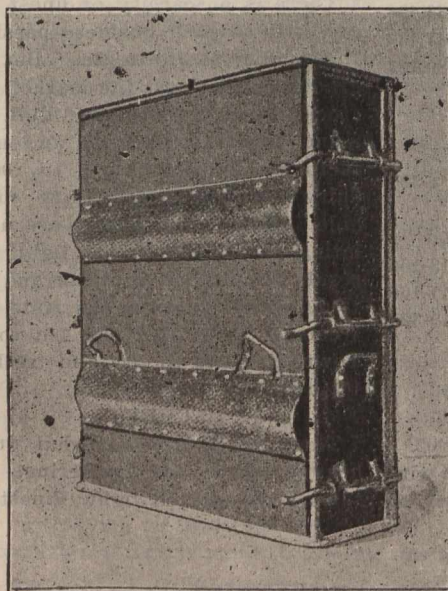
which led to the advance. Linseed oils are steady.

**DRESSED POULTRY.**

Receipts are light and the market rules firm. Demand is quick for turkeys at 11c to 12c lb.; chickens, 10c to 12c lb.; ducks, 10c; geese, 7c to 8c lb.;

## 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

Cable Address : EILLS, Liverpool.

## EILLS & COMPANY,

LIVERPOOL, Eng.

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

Confectionery, 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



# BRAY'S "SPECIAL" GAS BURNERS.

Highest Efficiency: Suitable for all Pressures

For inside fittings as shown in woodcuts. High Pressure, 15-10ths to 25-10ths. Low Pressure, 5 10ths to 15-10ths or 18-10ths, which please specify when ordering.



UNION JET.  
Sizes, 2 to 8.



BATSWING.  
Sizes, 2 to 8.



SLIT UNION.  
Sizes, 2 to 8.

Geo. Bray & Co., Gas Burner Manufacturers,  
Bagby Works, Leeds, England.

fowls, 8c to 9c lb. Rabbits are plentiful and offering at 12c to 15c pair.

**DRY GOODS.**

There has been no change in values of cotton goods. But the undertone is very firm and conditions point to an advance rather than to a decline. Mercerised sateens are strong and the demand is active for lines intended to retail at between 25 and 35 cents per yard. In woollens the enquiry is also active, especially for serges in the low and medium grades. Retailers have evidently not carried over stocks of any consequence from last year and the wholesale trade seem confident that they will have to buy tolerably heavily inside of next month if they wish to keep their stocks full and up to date. The sorting trade, more es-

pecially, is looking for novelties and these bid fair to be a feature in this year's trade. Money is coming in fairly well and failures are few and unimportant.

**EGGS.**

The high prices ruling checks consumption, the demand during the past week being unusually light. New laid are arriving more liberally and sell at 25c to 27c; best held stock is worth 21c to 22c and limed 19c to 20c.

**FLOUR AND FEED.**

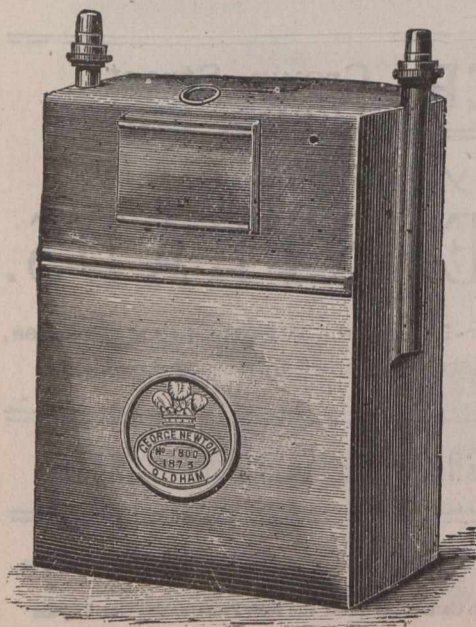
Flour is easier, the active demand of the last quarter of the old year having seemingly placed liberal supplies throughout. Prices are unchanged. Feed of all kinds keep in active demand. To such an extent is this seen throughout the east that

a leading milling company of Montreal transferred this week orders for over 300 tons of bran and shorts to their Winnipeg branch. Oatmeal is steady. Baled hay is in less demand but prices are unchanged. We quote: No. 1, \$10 to \$10.50; No. 2, \$9 to \$9.75; clover mixed, \$8 to \$8.50; and clover, \$7 to \$7.50 per ton, in car lots.

**GREEN FRUITS, ETC.**

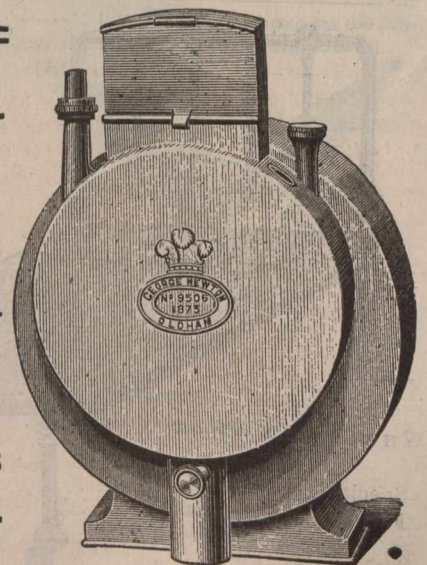
Severe cold weather has further interfered with an already quiet period. Prices are nominally unchanged, except for 360 size lemons which show a decline of 25c to 40c per box. The presence of California celery and cauliflower keep the commission houses with something to blend with the monotony of midwinter oranges and lemons for which trade is but limited at

## 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.

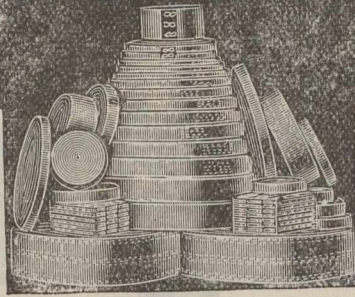
OAK-TANNED LEATHER BELTING.

Single and Double.

**LEATHER BELTING**

SINGLE AND DOUBLE  
LEATHER BELTING

SPECIALTY  
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. LACES—White, Brown  
(or Oiled,) Helvetia, Horny and Rop.

Special Rates to Canadians under the New Tariff.

**ROBIN HOOD HAGGIE & SON LIMITED.**

NEWCASTLE-ON-TYNE AND LONDON

SOLE MAKERS OF THE FAMED **ROBIN HOOD BRAND**

**MANILLA ROPE,**

MOST RELIABLE FOR **LIFTING & SPECIAL WORK.**

**BLOCKS & TACKLE FALLS**  
SUPPLIED COMPLETELY FITTED  
READY FOR USE

TELEGRAMS. 'HAGGIE' NEWCASTLE ON TYNE.  
'HAGGIE' LONDON.

Flexible **STEEL WIRE ROPES** FOR CRANES  
Steel Wire **CORDS** for Suspending ARC LAMPS.

to-day's auction sale of lemons landing ex Picqua the offerings consisted of 14,550 boxes. The results showed a decline of from 10c to 15c per box on 360s, but on 300s the feeling was steady on about the same basis as at the previous sale. The cargo was in good condition. Offerings of 360s were larger than on the other size.

**GREEN HIDES.**

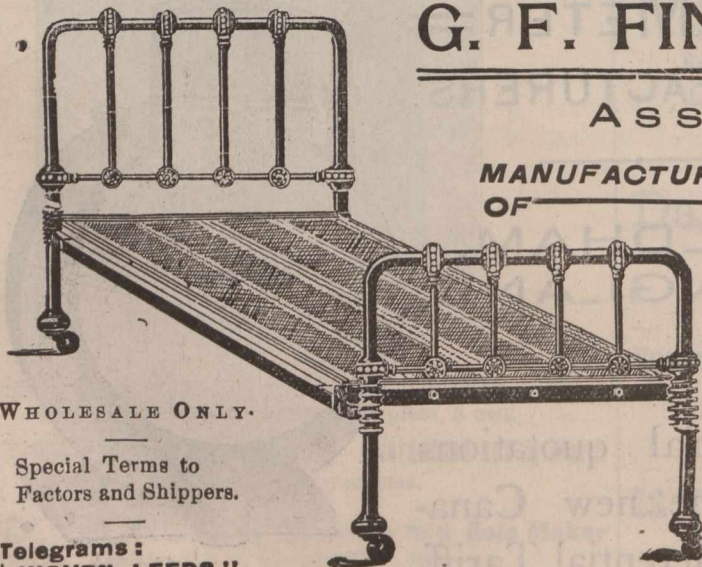
The local market is devoid of interest. Receipts are steady at the changed prices noted last week. The New York market was reported dull at a decline. Prices were: 12½c for native steers, 11¾c for butt brands and 11½c for side brands. Country hides continued dull. The Chicago market for native steer hides was lower, it being rumored that one firm sold about 4,000 native steers at 12¾c. Branded hides held steady and were quoted at 13½c for heavy Texas, 12¼c for butt brands and 12c for Colorados. Country hides were reported holding steadier with prices on the basis of 8c for No. 1 buffs.

**GROCERIES.**

Sugars recovered 10c late last week and have since remained steady on the basis of 4c for granulated. London cable advices reported a firm market for raw beet sugar, with prices 1½d higher, at 6s 9¼d for January and 6s 9¼d for February. Cane was firm but quiet. The New York market was firm in price. Refiners continued in the market as buyers on the basis of 3 11-16c for centrifugals 96 degrees

this season. The local quotations are: — Apples, brls., \$3.50 to \$5.50; California Val. oranges, \$3.25 to \$3.60; do. navel oranges, \$3.25 to \$3.50; Jamaica oranges, \$4.75 brl.; do. in boxes, \$3.25; Florida oranges, \$3.75 per box; Jamaica grape fruit, \$3.25 per box; lemons, 360s, \$2.50; do. 300s, \$2.50 to \$2.75; chests of lemons, \$5.50; bananas, eight-hands, \$1.00 to \$1.35; No. 1 do., \$1.75 to \$2.25; extras, \$2.50; new figs, mats, 3½c per lb.; do. boxes, 8c to 12c per lb.; new dates, 4¼c to 4¾c per lb.; nuts, Pecans, extra large, 17c; sweet potatoes, brl., \$5 to \$5.50; small crates of Spanish onions, \$1.10; Cape Cod cranberries, \$9 to \$10.50; Ma-

laga grapes, per keg, \$5.50 to \$7.00; pines, 15c to 25c each; extra pines, 45c do.; Columbia pears, \$3.00 per box; Catawba grapes, 25c per basket; Cal. celery, 7 to 12 doz. crate, \$4.75; Florida tomatoes, \$5.00 per crate; do. fangerines, \$3.25; California tangerines, \$3.00; Cal. cauliflowers, \$3.25 to \$3.50 per crate. A New York report of the 29th says: The 100 cases of Valencia oranges offered at auction to-day sold at a range of from \$4.62½ for large cases of 714s to \$3.75 for 420s, regular size. Large cases left no loss to shippers but the regular cases did. These are the first Valencia oranges seen in this market for nearly a year. At



**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.

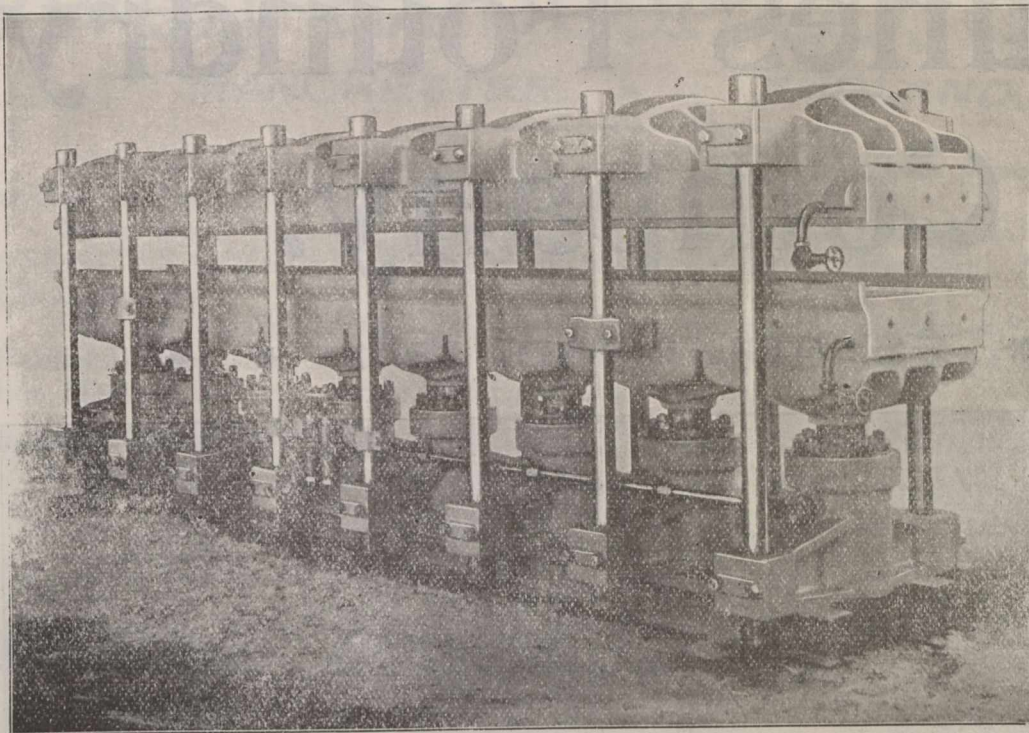
WHOLESALE ONLY.

Special Terms to Factors and Shippers.

Telegrams: 'WOVEN, LEEDS.'



# IDDON BROTHERS



**INDIA  
RUBBER  
ENGINEERS.**

Brookfield Iron  
Works,  
**LEYLAND,**  
nr. Preston,  
**ENGLAND.**

**Engineers and  
Rubber Machinists,**

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

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

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

test, but no business resulted, as the purchases made by them the past few days have apparently cleaned the market of all offerings. The close was firm, with buyers at 3 11-16c, 3 3-16c and 2 15-16c. Regarding the International Sugar Conference at Brussels, it is stated that the representatives of Great Britain and France demanded that Germany and Austria should not only withdraw their bounties but should suppress their kartells, in which case France would discontinue its export bounty. A leading U. S. broker gives it as his opinion that while the withdrawal of government bounties would doubtless be agreed

to by Germany and Austria the suppression of the kartells is almost certain to be refused, and the opinion is now held that the conference will end in a disagreement. Should this happen the British Government is expected to introduce a measure in Parliament providing for the imposition of a countervailing duty upon German and Austrian sugars, the law being framed so as to cover not only the official bounties on exportation, but also the indirect bounties arising from the operations of the kartells. It is only, he states, by taking steps of this kind that the British Government can avert the annihilation of the sugar in-

dustry in its West India possessions and in Mauritius. Mr. Licht this week made his third increase in the estimates of the beet crop, which he now places at 6,800,000 tons. The statistical position on the Continent is consequently becoming more and more unfavorable, and, unfortunately for the future of prices, there is no indication that the low prices will compel some reduction. The Cuban tariff question continues the main topic of discussion in the U.S., and in Cuba. Judging from present appearances it is likely that Cuban sugars will be benefited to the extent of a reduction of 33 1-3 per cent. upon the Dingley

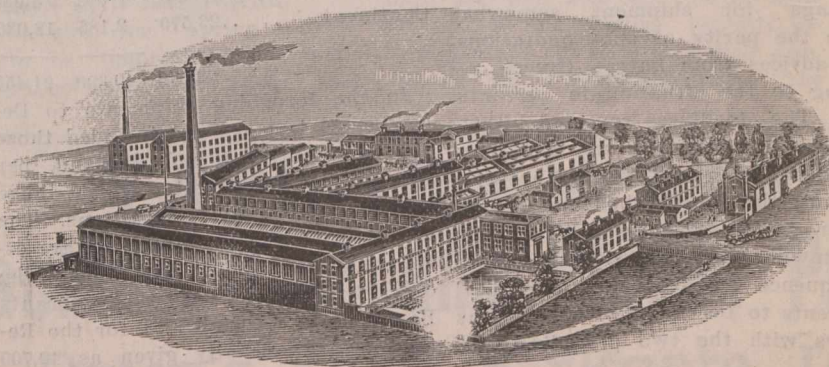
Telegraphic Address:  
"HASTE, BRAMLEY, LEEDS."

## Haste & Brown,

Hough End Tannery,

**BRAMLEY, LEEDS, - Eng.**

—Tanners, Curriers,—  
Enamellers & Japanners.



**Russet Lining Bellies and Shoulders, of Light Substance, Soft, Bright and Dry Finish.**

**ENAMELLERS and JAPANNERS of the finest goods in ENAMELLED and JAPANNED LEATHERS in SHOULDERS and HIDES, SEALSKINS and CALF SKINS in Black and Colours.**

NOTE.—The "Eagle" Perfection Brand is the motto for the High-class Standard of Selection and Quality in these Goods.

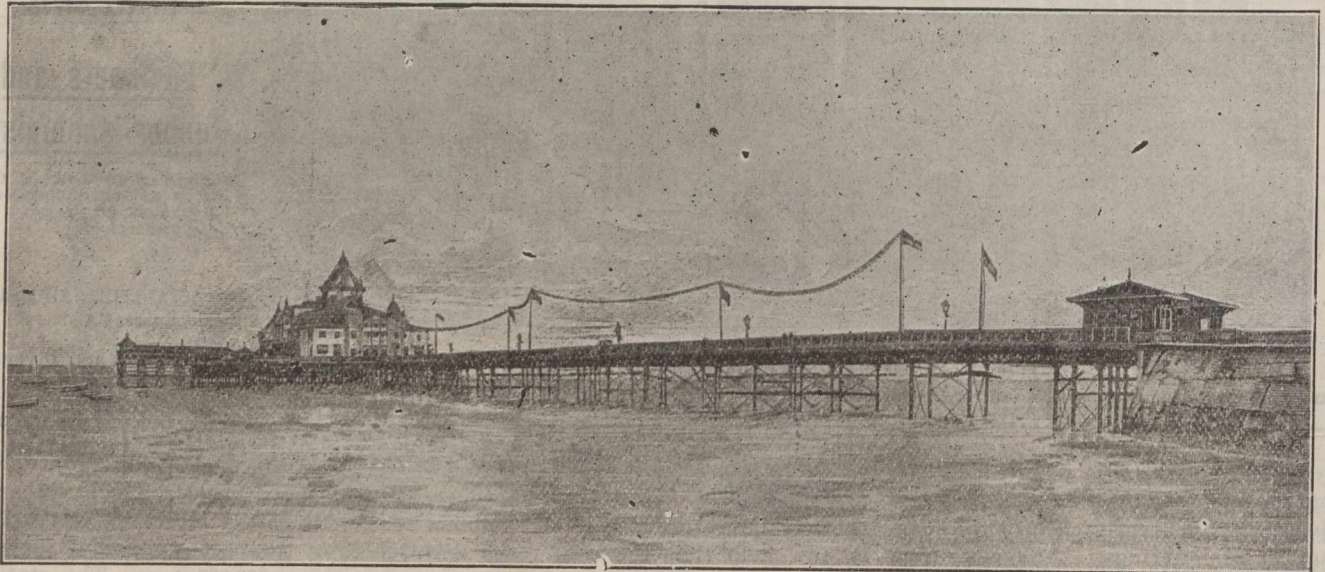


Enamelled Shoulders. Enamelled Sealskins. Enamelled and Japanned Hides. East India Kips, Offal, etc., Waxed or Russet Kip Butts. Levant Kip Shoulders and Bellies, Levant Imitation Seal Grains. Split and Russet Shoulders for Enamelling. Japanned Shoulders (in black and colors). Japanned Seal Splits. Japanned Hide Splits. Waxed Kip and Calf Butts, Rough Kip Butts for Laces or Waxing purposes. Large assortments always on hand. Stained Hide and Kip Bellies, etc. to any shade and requirement.



# Widnes Foundry Company.

◆ ◆ ESTABLISHED 1841. ◆ ◆



Morecambe Pier (East View),

ERECTED, 1898, BY

## THE WIDNES FOUNDRY CO.

WIDNES,

Lancashire, - - England.

tariff rates. In the local market canned apples have been again advanced 10c on gallon size, bringing the price to \$2.65. 3 lb. size are firm at \$1. Currants are worth 4<sup>7</sup>/<sub>8</sub>c in brls. Valencia raisins are quoted at 5<sup>1</sup>/<sub>4</sub>c to 5<sup>1</sup>/<sub>2</sub>c, with selects at 6<sup>1</sup>/<sub>2</sub>c and 4 cr. layers at 7c. For California seeded raisins, 2<sup>1</sup>/<sub>2</sub> lb. pkgs., Dragon brand is worth \$1; Easter brand, \$1.20, and Griffin & Skelly's, \$1.25. Evaporated apples are worth 9<sup>1</sup>/<sub>2</sub>c to 10<sup>1</sup>/<sub>2</sub>c. Mail advices from Liverpool on salmon state: "The combine has announced its prices at about 1s 6d to 2s per case above the parity of the present prices in the country. The combine is very strong financially and commercially, and is likely to hold its own, especially as spot stocks here are small. Lon-

don cable advices reported that at the auction sale of cocoa prices for Grenada were 2s per cwt. lower; other grades unchanged. A cable from the other side reports the market on Jordan almonds almost cleaned up, with offerings for shipment somewhat above the parity of spot quotations. Mail advices from Patras, Greece, referring to the situation in currants, state: The steadiness reported hitherto has been maintained and the markets close at full prices, notwithstanding the limited business doing. Holders in the provinces are very firm and unwilling to sell; the arrivals in consequence are limited. The total shipments to December 31 compare as follows with the two preceding seasons:

To—	Tons.		
	1901.	1900.	1899.
England .. .. .	51,268	31,294	53,325
U.S. and Canada .	14,900	4,145	14,820
Australia.. . . .	3,400	2,835	4,147
France.. . . .	441	31	1,085
Continent.. . . .	23,570	2,185	18,080
	93,579	40,390	91,457

In the foregoing shipments to December 31 last are not included those for the Continent and England, per several steamers lately, which have taken together over 4,300 tons. The stocks in Greece on January 1 are estimated to be about 26,000 tons. The currants deposited with the "Currants Bank" up to December 31 for the Retention are officially given as 12,700 tons.



# 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.

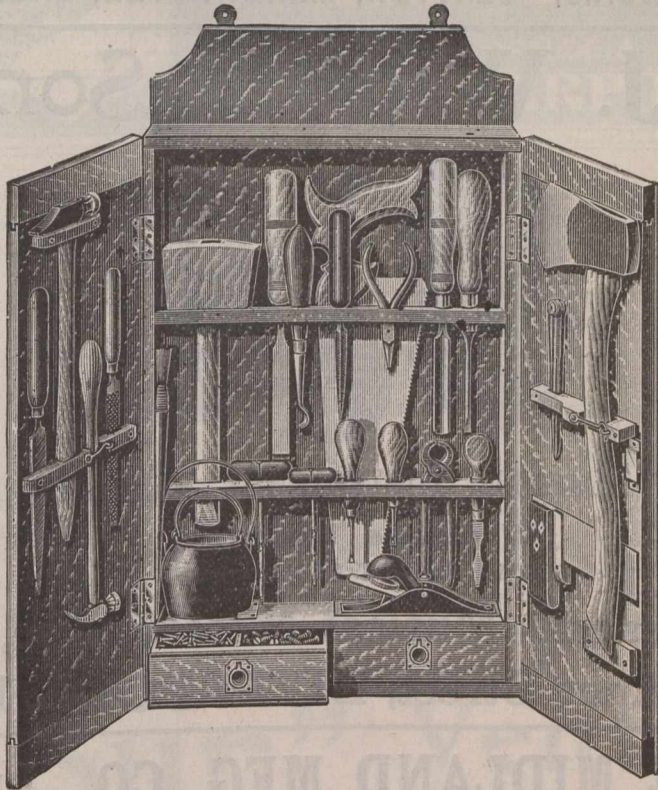
Solid and Insertion Sheets, Valves, Buffers, Washers for Steam and Water Joints, Rubber Belting, Hose of all kinds, Solid Rubber Tubings, Packings, of every description, Matting, Roller Covering, Fruit Jar Rings, &c., &c.

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.

## James Needham

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



CITY OAKWORKS,

BROWN ST.  
And SHOREHAM ST.,

SHEFFIELD,  
ENGLAND.

### IRON AND HARDWARE.

The demand for spring delivery seems to be improving, and, while there are no changes in prices, most

lines are well sold up. Wire nails are firm at the decline recently established and cut nails hold their own. In the States developments in the

### Wholesale Grocery Stock for Sale.

VICTORIA, BRITISH COLUMBIA.

Tenders will be received by the undersigned at a rate on the dollar, up to 12 noon on the 31st January next, for the purchase en bloc, or in lots, of the Stock in Trade of Thomas Earle, Wholesale Grocer, Victoria, B. C.

The Stock is well assorted and up to date. Full particulars may be had on application to the Assignee.

The highest or any tender not necessarily accepted.

Anyone contemplating going into a similar business in Victoria could acquire a suitable building, erected in 1900, and recently occupied by Thomas Earle.

ARTHUR ROBERTSON,  
6 Bastion Square, Victoria, B.C.  
Assignee,

iron and steel trade at present are not of great importance and are along the lines followed for some time past. While the continued scarcity of pig iron on the spot makes it practical for those who have any to demand and get their own prices for it, there is said to be little probability that a further general advance in prices will result from the present condition of supply and demand. Concerning this phase of the situation the Philadelphia correspondent of the Metal Exchange says there is a considerable divergence of opinion, but that the majority consider that further advances would be unwise. He says that such advances would tend not only to a large increase in production, but also do something to encourage imports. "Of course," he adds, "the market could take a great deal of iron

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



**INVESTMENTS.**

Opportunities for safe investments in Canada, at 4 to 5 per cent. Correspondence invited.

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

**THE ROYAL BANK OF CANADA.**

DIVIDEND No. 64.

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 SATURDAY, the 1st day of February next. The Transfer Books will be closed from the 17th January to the 31st January, both days inclusive. The Annual General Meeting of Shareholders will be held at the Banking House, in this City, on WEDNESDAY, the 12th day of February next. The Chair will be taken at 11 o'clock a.m.

By order of the Board,

E. L. PEASE,  
General Manager.

Halifax, N.S., 26th December, 1901.

THE MOST NUTRITIOUS.

**EPPS'S COCOA**

Prepared from the finest selected Cocoa, and distinguished everywhere for Delicacy of Flavour, Superior Quality, and highly Nutritive Properties. Sold in quarter-pound tins, labelled JAMES EPPS & Co., Ltd., Homœopathic Chemists, London, England.

**EPPS'S COCOA**

BREAKFAST-SUPPER

during the next six or eight weeks, but with a return to normal conditions as regards coke and transportation, it is highly improbable that the present stringency will continue."

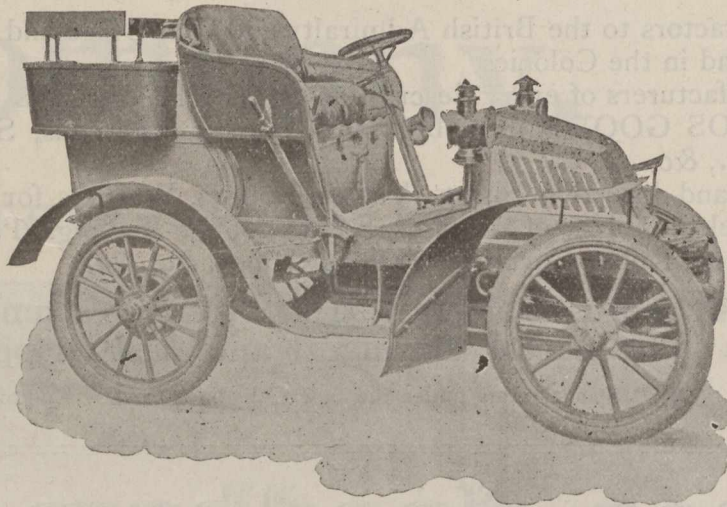
LEATHER AND SHOES.

A fair trade is reported in leather, dongolas taking the lead. There is no accumulation of stocks and prices are holding steady. Quebec reports good trade and prospects bright. The "taking" samples being displayed by dealers in the finest United States makes of shoes is having a beneficial effect on Canadian manufacturers who are of late leaving nothing "untuned" that may aid them in matching the products of the shoe from across the line.

PROVISIONS.

The firmness in fresh killed hogs, which was noticeable throughout the week, has eased off a trifle, but prices have not been reduced. Quotations run from 8½c to 8¾c, according to size and grade. In cured meats barrel pork has been advanced 50c, as noted in subjoined quotations. Hams and bacon are steady, the former being quoted at a slight reduction. Quotations are: Selected heavy Canadian short cut mess pork, \$22.50 to \$23.00; heavy Canadian short cut mess pork, \$21.50 to \$22.00; Canada short cut back

**Marshall's**  
**'Belsize' Car**



Two Cylinders.  
12 h.p.  
14½ cwt.

No Chains.  
No Belts.

Unrivalled Hill  
Climber.

Send for par-  
ticulars.

**Marshall & Co.**

Belsize Works. CLAYTON, MANCHESTER, ENGLAND.

**R. J. Ward & Sons,**

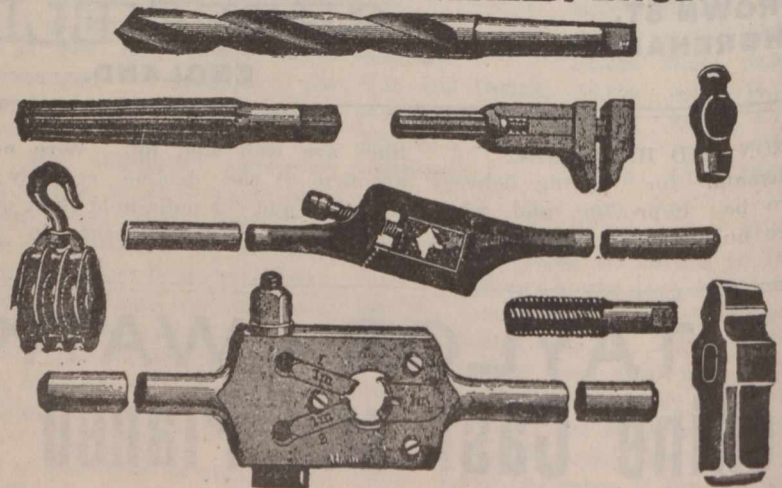


Military Musical Instrument Manufacturers.

Wholesale Importers  
and Exporters of—

General Musical Merchandise,  
10 St. Anne Street, LIVERPOOL, Eng.

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



SPECIAL NOTE.—Buyers have 33½ per cent in their favour by purchasing from The Makers and Inventors in England under the new Canadian Preferential 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



pork, \$21.50 to \$22.00; heavy Canada mess pork, long cut, \$21.50; heavy Canada short cut clear pork, \$21.50 to \$22.00; light Canada short cut clear pork, \$21.00; pure Canadian lard, in 20 lb. pails, 11¼c; compound refined lard, in wood pails, 20 lbs., 9c; Boar's Head brand, in 20 lb. wood pails, \$1.97½ to \$2.05; Globbs, \$1.72½ to \$1.80; 20 lb., in tin pails, ¼c per lb. less; hams, 12½c to 14c; and bacon, 15c per lb. Liverpool, Jan. 29.—Hams, short cut, steady, 48s 6d. Lard, American refined, in pails, easy, 46s 9d. Prime western, in tierces, quiet, 46s 6d. Bacon, clear bellies, quiet, 49s 6d. Shoulders, square, dull, 37s. Chicago, Jan.

2.—Provisions closed 12½c to 27½c higher. Futures: Mess pork, January, \$15.70; May, \$15.95; July, \$16.05. Lard, January, \$9.32½; May, \$9.45; July, \$9.55. Short ribs, \$8.27½; May, \$8.47½; July, \$8.57½. Cash quotations: Mess pork, \$15.75 to \$15.80; lard, \$9.20 to \$9.32½; short ribs, sides, \$8.20 to \$8.35; dry salted shoulders, 7½c to 7¼c; short clear sides, \$8.60 to \$8.70.

**WOOL.**

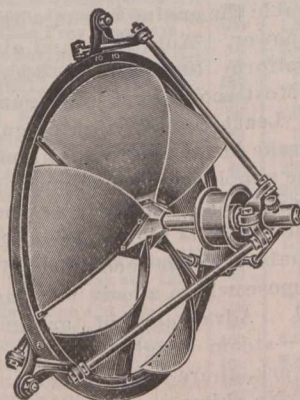
For local trade even the decided advances shown at the London auctions did not force it into activity. Some wool is being sold but at the old figures. In fact, importers claim they are "mighty glad" to find purchasers

at the figures obtaining prior to the present advances abroad. The London auctions, which will close on the 5th February, have shown keen bidding thus far with advances of 10 to 15 per cent. in crossbreds and of from 5 to 7½ per cent. in fine wools. A cable of the 29th says: The offerings at the wool auction sales were again large to-day, numbering 14,268 bales; competition was strong at high rates. America bought medium crossbreds freely, and paid extreme rates for some fine merinos. Scoureds were in active demand for France and Germany. The withdrawals amounted to 3,516 bales.

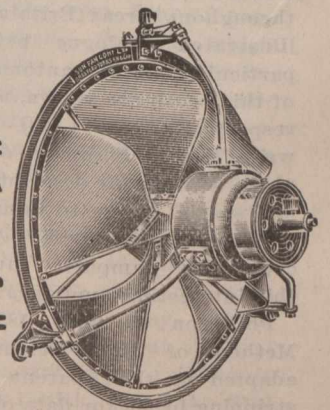
# "Sun" Ventilating Fans

Highest Efficiency, Strength  
and Lightness

MADE ENTIRELY OF WROUGHT  
OR MALLEABLE IRON.



Belt Driven.



Electrically Driven.

For Ventilating, Drying and  
All Cooling Purposes . . .

**"Sun" Fan Co. Ltd.,**

GENERAL BUYING  
AGENTS WANTED.

Special prices to Canadians  
under the New Tariff.

40a Thornton Road, BRADFORD, ENG.



JUST LIKE MOTHER USED TO MAKE!

Williams's

— HOME-MADE —

**TREACLE TOFFEE**

The Toffee par excellence.

WRITE FOR SAMPLES AND PRICES TO

**WILLIAMS & Co..**

Steam Confectionery Works,

Special prices for this Toffee, to Canadians under the new Preferential Tariff, 33 $\frac{1}{3}$  per cent. in favour of these goods, F.O.B. at Liverpool.

96 Wood Street,  
LIVERPOOL, Eng.

PHILIPSON & CO.

Manufacturers of the Patent Combination Flat Stripping Brush (for revolving flat card engines) with 1897 improvements. This is the most efficient method of keeping card wire clean. Thousands working in all parts of the textile world and giving the highest satisfaction. Works: Bolton, England. Wherever improvement in manufacture or in any of the complicated parts leading thereto is known the world is not slow in recognition. This has been abundantly proven in the case of the patent combination flat stripping brush, manufactured by the above firm, and now so generally used throughout Great Britain. From an illustrated catalogue before us full particulars of the automatic working of this brush are shown, and we would respectfully request all interested to write Messrs Philipson & Co., at the above address for descriptive pamphlet and special terms to Canadians under new preferential tariff. A page of the company's pamphlet thus describes this interesting appliance:

Philipson & Co.'s 1898 Improved Method of Slow Driving, specially adapted to their patent combination stripping brush for flats of carding engines.—It is very important for economical working that these brushes should revolve very slowly. We recommend the speed to be kept under or as near ten revolutions as possible, and, by the present driving method it

is impossible to do this unless they are driven from a pulley on doffer shaft (which is done in many cases). But this is considered by many carders to be inconvenient, as the band from doffer to brush is in the way when stripping cylinder and doffer. In applying the above arrangement, which is driven from the cam shaft in the ordinary way but by open band instead of crossed, it will be seen the speed of brush is reduced seven times by gearing, and instead of having a cross band which is used in nearly all makes of cards, we have by this means an open band, which is much better. The whole arrangement is very substantial and neat, and is giving the greatest possible satisfaction where it is in operation. On another page of this Journal will be found the advertisement of this progressive company, who desire to extend their trade in the Dominion, guaranteeing satisfaction and proving economy in what they advertise.

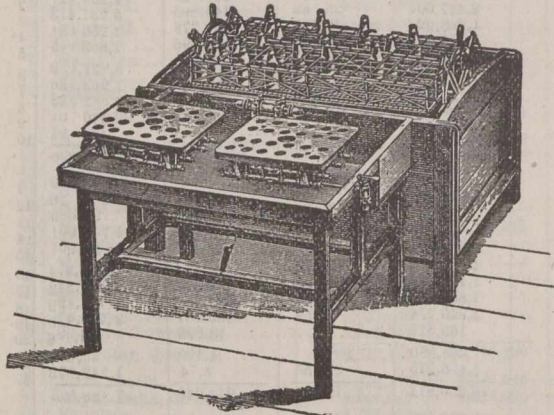
JOHN ROBSON.

As maker of "The Nonpareil" Shipley Gas Engine, so well known throughout European countries, the name of John Robson has become identified with the highest achievement in this notable branch of productive power. The maker is desirous of acquainting the Canadian trade with the unique advantages possessed by "The Nonpareil" gas engine, feeling confident that when

such is known wider fields will display his ingenuity and cause this popular engine to achieve spreading popularity here as it has in Great Britain. Users of such power in Canada are requested to write to Mr. Robson, at Shipley, Yorkshire, England, for illustrated pamphlets and price list, with special terms to Canadians under the new preferential tariff. — Advantages of "The Nonpareil" Shipley Gas Engine: Extremely simple of construction. Few working parts. All bushes made of phosphor bronze. All working parts made of steel or best iron. The engine rests on its own bed and requires no special foundation. The improvements are such that free passages to all parts enable the engine to run without loss of power. Automatic and absolutely uniform lubrication. Easy starting. Most economical in oil consumption. Least consumption of gas and most brake horse power given out. The extreme simplicity of construction of "The Nonpareil" Shipley Gas Engine, together with its high-class workmanship, enables us to recommend it for any purpose where steady running is required. Advantages of gas engines over steam engines: Always ready for work, there being no steam to get up. No chimney, consequently no smoke nuisance. No attendance except for oiling. Great economy. No coal, ashes or dust. Practically no water required. There being no boiler, there is no risk of explosion. No flues to be cleaned. The cheapest and



# Bottle Washing Machinery



OUR NEW PATTERN "KINGSTON."

No. 2

22-dozen Half-pint Beers.

Fitted with Revolving Rinsers as shewn,

£27

with Bottle Sinker.

OVER 1,000 'KINGSTONS' are now in use.

Original Inventor and Patentee.

Machines from £10 to £40.

## D. G. BINNINGTON, Kingston Machine Works, HULL, ENGLAND.

Special estimates to Canadians under the New Tariff.

### STOCKS AND BONDS.

NAME.	Par Val's.	Capital Subscribed.	Capital paid-up.	Rest.	Div. last 6 Ms	Dates of Dividends.	Per Cent. Price Jan. 9. (Bid)	Cash value per S.
British North Am.....	243	4,366,666	4,366,666	1,703,333	3	Apl. Oct	128	311 04
Can. Bank of Commerce	50	8,000,000	8,000,000	2,000,000	3 1/2	June Dec	147	78 50
Commercial, Windsor..	40	500,000	350,000	60,000	3	.....	105	42 00
Dominion.....	50	2,500,000	2,500,000	2,500,000	2 1/2	May	244	422 10
Eastern Townships.....	50	2,000,000	1,742,535	1,050,000	3 1/2	Jan July	150	75 00
Halifax Banking Co.....	20	600,000	600,000	500,000	3 1/2	Feb. Aug	158	79 00
Hamilton.....	50	2,000,000	1,995,750	1,500,000	5	June Dec	205	205 00
Hochelaga.....	100	1,500,000	1,500,000	750,000	3 1/2	June Dec	152	152 00
Imperial.....	100	2,500,000	2,500,000	1,850,000	5	June Dec	220	229 00
Merchants' Can.....	100	6,000,000	6,000,000	2,600,000	3 1/2	June Dec	150	150 00
Moisons.....	50	2,500,000	2,500,000	2,150,000	4	Oct April	209	104 50
Montreal.....	200	12,000,000	12,000,000	7,000,000	5	June Dec	258	516 00
Nationale.....	30	1,200,000	1,200,000	275,000	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	2,532,240	4 1/2	Feb. Aug	232	232 00
Ontario.....	100	1,500,000	1,390,080	350,000	2 1/2	June Dec	123 1/2	123 50
Ottawa.....	100	1,994,800	2,000,000	1,765,000	4 & 1	June Dec	206	206 00
People's of N. B.....	150	180,000	180,000	165,000	4	June Dec	250	375 00
Provincial.....	25	873,487	781,248	.....	3	June Dec	155	155 00
Quebec.....	100	2,500,000	2,500,000	700,000	3	June Dec	122	422 00
Royal.....	100	2,000,000	2,000,000	1,700,000	3 1/2	Feb. Aug	175	17 00
St. Stephen's.....	100	200,000	200,000	45,000	2 1/2	April Oct	.....	.....
Standard.....	50	1,000,000	1,000,000	750,000	5	April Oct	233	116 50
Toronto.....	100	2,400,000	2,400,000	2,240,000	5	June Dec	229	229 00
Traders.....	100	1,350,100	1,344,420	250,000	3	June Dec	112 1/2	112 25
Union (Halifax).....	50	800,000	800,000	505,000	3 1/2	Mch Sept	150	75 00
Union of Canada.....	100	2,000,000	2,000,000	550,000	3	June Dec	.....	.....
Western.....	100	500,000	401,239	134,000	3 1/2	Apl Oct	.....	.....
Agri. Sav. and Loan Co.....	50	630,200	630,200	192,000	3	Jan July	.....	.....
Bell Telephone Co.....	100	5,000,000	5,000,000	800,000	4 1/2	Jan *	167	167 00
Brit. Can. Loan & Inv. Co.....	100	1,937,900	398,481	120,000	2 1/2	Jan July	.....	.....
Brit. Mortg. Loan Co.....	100	450,000	389,214	130,000	3	Jan July	128	128 00
Can. Colored Cot. Mills Co.....	100	2,700,000	2,700,000	.....	.....	Jan *	52 1/2	52 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. Corpn.....	10	5,951,350	5,951,350	1,490,057	3	Jan July	115	57 50
Can. Sav. & Loan Co.....	50 & 7 1/2	750,000	750,000	250,000	3 1/2	Jan July	114	57 00
Central Can. Loan & Sav. Co.....	100	2,500,000	1,250,000	450,000	1 1/2	Jan July	136	136 00
Dominion Sav. and Inv. Co.....	50	1,000,000	934,200	30,000	2	July Dec	72	36 00
Dominion Telegraph Co.....	50	1,000,000	1,000,000	.....	1 1/2	Jan *	124	62 00
Dominion Cotton Mills Co.....	100	3,333,600	3,333,600	.....	6	Mar *	45	45 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	3 1/2	Jan July	135	135 00
Huron & Erie Loan & Sav. Co.....	50	3,000,000	1,400,000	390,000	4 1/2	Jan July	179	89 00
Imperial Loan and Inv. Co.....	100	732,724	730,647	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	877,287	87,500	3	Jan July	68	34 00
London Loan Co.....	50	679,700	678,550	160,000	3	Jan July	110	50 00
Manitoba & North-W. Ln Co.....	100	1,500,000	375,000	50,000	.....	Jan July	55	55 00
Montreal Telegraph Co.....	40	2,000,000	2,000,000	.....	2	Jan July	171 1/2	68 00
Montreal Gas Co.....	40	3,000,000	2,998,640	.....	5	April Oct	241	96 50
Montreal Street Ry. Co.....	50	5,000,000	4,500,000	560,318	2 1/2	Feb. *	272	136 00
Montreal Cotton Co.....	100	1,400,000	1,400,000	600,000	4	Mch. *	112	112 00
Merchants Cot. Co.....	100	1,250,000	1,250,000	.....	4	Feb Aug	95	95 00
Montreal Loan and Mortg.....	25	500,000	500,000	380,000	3 1/2 & 1	Mch Sep	137 1/2	34 37
Ont. Indus. Loan and Inv.....	100	466,800	314,386	150,000	3	Jan July	.....	.....
Ont. Loan and Deb. Co.....	50	2,000,000	1,200,000	535,000	3	Jan July	121 1/2	60 75
People's Loan and Dep. Co.....	50	600,000	600,000	.....	2	Jan July	24	12 00
Real Est. Loan Co.....	40	373,720	373,720	50,000	2	Jan July	70	35 00
Richellen and Ont. Nav. Co.....	100	2,085,000	2,088,000	162,355	3	May Nov	111	111 00
The Royal Electric Co.....	100	2,250,000	2,250,000	320,155	.....	Jan. *	240 1/2	240 50
Toronto Electric Light Co.....	100	2,000,000	2,000,000	.....	.....	Jan. *	136	136 00
Toronto Mortgage Co.....	50	1,445,860	724,540	250,000	2 1/2	.....	78 1/2	76 50
Toronto Street Railway.....	100	6,000,000	6,000,000	.....	.....	Jan. * July	108	108 00
Windsor Hotel.....	.....	.....	.....	.....	.....	.....	112 1/2	112 50

\* Paying quarterly dividends.

most economical gas engine in the market. Sole Maker: John Robson, Shipley, Yorkshire, Eng.

### THE LANCASHIRE WATCH CO., LTD.

It would almost appear needless to refer to the prominence attained by this firm, known the world over as the largest manufacturers of English watches in Great Britain. However, there are new concerns opening up every day, and new dealers it is necessary to acquaint with such facts as these. The Lancashire Watch Company, Limited, of Prescott, Lancashire, England, are desirous of enlarging their field of operations in Canada, where they have already a good list of customers.

The Canadian field is growing fast. Enterprise will win here to a much greater extent than in older countries where business has settled down to a regular pace beyond which it is difficult to make it move. The enterprise which is best recognised as playing a conspicuous part in the dealings of a prominent manufacturing firm is that form of enterprise which is seen pushing its way in the open field of progressive journalism, through which source the business portion of the inhabitants of Canada is brought directly and constantly in touch with manufacturers, who, not content to wait for trade, hang out their sign prominently in the most conspicuous place where all can see and read it. This is the enterprise displayed by the Lancashire Watch Company; the enterprise that meets customers half way, and in which it is readily seen that the firm which is prominent in advertising is the best to deal with; from the first fact that those who are pressing their business ahead are the most likely to make their goods sell themselves when once fairly introduced. The Lancashire Watch Co.'s productions are pronounced satisfactory wherever carried.

From this Company's catalogue,



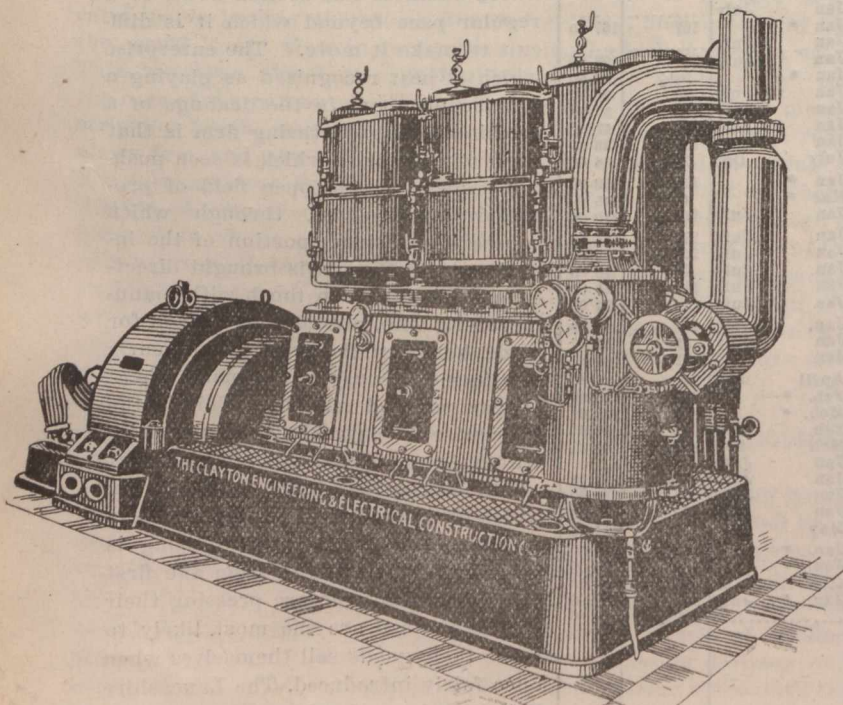
LIABILITIES.		Capital	Capital	Capital	Reserve	Dividend	Notes	Bal due to	Balance	Deposits by
Bank Statement to Govt.		Authorized.	Subscribed.	Paid up.	Fund.	Rate p. c.	Circulation	Dom. Gov. aft' ded' ct. advance for credits, &c.	due to Provincial Govts.	the public, payable on demand in Canada.
Month ending Dec. 31, 1901.						p. annum.				
1	Toronto	\$3,000,000	\$2,444,800	\$2,421,770	\$2,421,770	10	\$2,240,443	\$ 27,661	\$ 134, 62	\$ 4,102,226
2	Commerce	8,000,000	8,000,000	8,000,000	2,000,000	7	6,476,814	58,645	260,195	14,280,417
3	Dominion	3,000,000	2,500,000	2,500,000	2,500,000	10	2,347,004	25,766	346,546	5,531,473
4	Ontario	1,500,000	1,396,300	1,393,000	350,000	5	1,288,922	19,115	229,778	2,256,551
5	Standard	2,000,000	1,000,000	1,000,000	750,000	10	923,016	18,180	140,696	2,803,945
6	Imperial	2,500,000	2,500,000	2,500,000	1,800,000	10	2,232,811	20,232	366,489	5,421,069
7	Traders	1,000,000	1,350,100	1,346,970	250,000	6	1,235,630	.....	+3,263	1,963,356
8	Hamilton	2,000,000	2,000,000	2,000,000	1,500,000	10	1,377,730	20,805	254,769	3,862,533
9	Ottawa	2,000,000	2,000,000	2,000,000	1,765,000	9	1,790,436	56,638	7,695	2,340,701
10	Western	1,000,000	500,000	418,239	1,400,000	7	309,140	.....	.....	434,421
	<b>Total, Ontario</b>	<b>27,000,000</b>	<b>23,691,200</b>	<b>23,579,979</b>	<b>13,520,700</b>	.....	<b>20,891,946</b>	<b>697,342</b>	<b>1,908,842</b>	<b>43,162,270</b>
11	Montreal	12,000,000	12,000,000	12,000,000	7,000,000	10	7,704,118	2,851,871	1,132	22,045,569
12	British North America	4,866,666	4,866,666	4,866,666	1,703,333	6	2,432,724	7,770	5,791	5,209,226
13	Provincial Bk. of Can.	1,000,000	873,470	811,154	Nil.	3	774,450	17,075	116,005	1,905,583
14	Hocnelaga	2,000,000	1,500,000	1,500,000	750,000	7	1,419,809	20,231	2,502	1,700,001
15	Molsons	2,000,000	2,500,000	2,500,000	2,150,000	8	2,319,111	25,562	21,796	4,625,907
16	Merchants	6,000,000	6,000,000	6,000,000	2,600,000	7	4,675,979	237,163	907	5,766,874
17	Nationale	1,200,000	1,200,000	1,200,000	275,000	6	1,179,363	15,905	64,805	1,322,342
18	Quebec	3,000,000	2,500,000	2,500,000	700,000	6	1,889,326	17,021	105,508	3,131,499
19	Union	2,000,000	2,000,000	2,000,000	550,000	6	1,940,778	5,352	485,187	2,263,475
20	St. Jean	1,000,000	500,200	262,299	10,000	6	169,817	.....	13,693	34,236
21	St. Hyacinthe	1,000,000	504,600	325,570	75,000	6	268,580	.....	4,120	85,675
22	Eastern Townships	2,000,000	2,000,000	1,744,340	1,050,000	7	1,426,915	21,155	5,74	1,242,673
	<b>Total, Quebec</b>	<b>38,566,666</b>	<b>36,444,953</b>	<b>35,716,929</b>	<b>16,863,333</b>	.....	<b>26,200,871</b>	<b>3,219,604</b>	<b>913,246</b>	<b>47,188,593</b>
23	Nova Scotia	2,000,000	2,000,000	2,000,000	2,800,000	9	1,922,599	566,677	.....	4,354,476
24	Royal Bank of Canada	3,000,000	2,000,000	2,000,000	1,700,000	7	1,847,152	241,417	.....	2,909,734
25	People's	800,000	700,000	700,000	260,000	6	674,698	12,101	.....	58,644
26	Union	1,500,000	900,000	900,000	505,605	7	817,995	10,265	.....	625,033
27	Halifax B. Co.	1,000,000	600,000	600,000	500,000	7	564,220	11,827	.....	752,837
28	Yarmouth	300,000	300,000	300,000	40,000	5	78,489	12,725	.....	67,405
29	Exchange	280,000	280,000	264,390	40,000	5	72,728	.....	.....	56,969
30	Commercial, Windsor	500,000	500,000	350,000	60,000	6	302,462	7,060	.....	434,607
	<b>Total, Nova Scotia</b>	<b>9,380,000</b>	<b>7,280,000</b>	<b>7,114,390</b>	<b>5,905,605</b>	.....	<b>6,230,343</b>	<b>862,072</b>	.....	<b>9,759,505</b>
31	New Brunswick	500,000	500,000	500,000	700,000	12	457,788	48,279	.....	803,711
32	People's	180,000	180,000	180,000	105,000	8	162,517	17,012	.....	106,598
33	St. Stephen's	200,000	200,000	200,000	45,000	5	112,772	2,337	.....	106,849
	<b>Total, N. B.</b>	<b>880,000</b>	<b>880,000</b>	<b>880,000</b>	<b>900,000</b>	.....	<b>733,077</b>	<b>85,628</b>	.....	<b>1,017,158</b>
34	Summerside, P.E.I.	.....	.....	.....	.....	.....	.....	.....	.....	.....
35	Merchants, P.E.I.	500,000	300,013	300,013	175,000	8	266,551	.....	.....	547,502
	<b>Grand Total</b>	<b>76,328,666</b>	<b>68,596,166</b>	<b>67,591,311</b>	<b>37,364,708</b>	.....	<b>54,872,788</b>	<b>4,864,646</b>	<b>2,822,088</b>	<b>102,303,034</b>

which is before us, we take the following:—In drawing up the following catalogue we have endeavoured to put prominently before our clients the fact that our watch movements retain all the characteristics of the English watch, which stands foremost for durability, finish, and accurate timekeeping. In these highly essential qualities we claim that our movements are unrivalled, and in addition to the excellent quality in their respective grades, it will be seen that we have not attempted to educate the public up to taking a size or style they do not

want, in order to suit the exigencies of machine production. On the contrary we offer the trade any size or style they have hitherto had, and we feel sure from our experience up to the present that this concession to the public taste is greatly appreciated. This object has been attained by systematizing the requirements of our numerous customers, and so designing the watches as to make it possible to economically manufacture by machinery all the different sizes in various styles and qualities. With respect to price it will be seen that we offer a consistent all

round price, and have not adopted the policy of excessively low prices for one grade, while to make up the deficiency others are correspondingly high. Any customer, therefore, no matter what his requirements, may rest assured that in ordering from our list he is getting the best possible value for his money, and is sharing with all our clients the benefits of our possessing the most approved machinery, and the largest and best organised factory in Europe. Its management is conducted by men with long experience of the watch trade, and its employees work

## The CLAYTON ENGINEERING & ELECTRICAL CONSTRUCTION COMPANY, Limited.



HEAD OFFICE AND ENGINE WORKS :  
Newton H'vde, near Manchester, Eng.

ELECTRICAL WORKS :  
Clayton, near Manchester, Eng.

Telegraphic Address : " DYNAMO, HYDE."  
Telephone : No. 62, HYDE.

DIRECT-COUPLED.....

High-Speed Plants

for

Traction or Lighting.



BANKS. Liabilities—Continued.	Dep by public pay. after no tice on fix d day in Can	Dep sits elsewhere than in Canada.	Loans from Banks in Can secu'd	Depo. mad- by and 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 .....	\$ 9,549,883			\$ 420,364		\$ 5,004		\$ 16,742,524	1
2 Commerce .....	30,282,108	\$7,269,418		341,368		458,474	\$ 71,386	60,149,280	2
3 Dominion .....	13,913,206				\$ 313,913			22,477,769	3
4 Ontario .....	6,134,517					606,069		10,038,885	4
5 Standard .....	6,837,257							11,329,666	5
6 Imperial .....	11,050,900			5,523				19,547,016	6
7 Traders .....	6,441,840			29,052		2,109		10,008,707	7
8 Hamilton .....	8,812,943			13,872				15,371,614	8
9 Ottawa .....	7,778,238			201,808				12,617,685	9
10 Western .....	1,936,417			309			490	2,730,378	10
Total, Ontario .....	102,737,309	7,269,418		1,012,096	2,200,813	465,587	73,812	181,053,464	
11 Montreal .....	41,358,136	18,061,568		641,218				92,653,634	11
12 British North America .....	7,934,115	2,086,911		227,028	85	97,042	9,790,039	27,821,081	12
13 Provincial Bk. of Can. ....	798,661		757,473				25,584	2,555,595	13
14 D'Hochelaga .....	5,171,057			1,099	743	33,166	78,416	8,518,028	14
15 Molsons .....	10,850,330			226,360		59,726		18,131,783	15
16 Merchants .....	14,471,153	31,811		1,004,011	777,009	23,788	8,192	26,566,792	16
17 Nationale .....	3,459,191			17,718	108,982			6,172,914	17
18 Quebec .....	8,812,943			203,464	114,093			9,273,156	18
19 Union .....	5,062,325			21,398		12,706		9,311,224	19
20 St. Jean .....	266,461						3,681	487,998	20
21 St. Hyacinthe .....	1,027,446						16,000	1,385,825	21
22 Eastern Townships .....	5,308,353						12,675	8,036,414	22
Total, Quebec .....	99,519,465	20,170,290	737,473	2,342,296	1,003,912	242,428	9,918,587	211,453,790	
23 Nova Scotia .....	10,899,483	2,347,645		472,378		183,345	90,000	20,886,406	23
24 Royal Bank of Canada .....	8,644,032	1,567,909		41,452	108,798	159,273	70,035	16,584,835	24
25 People's .....	1,796,967			4,901	68,149		4,104	3,119,566	25
26 Union .....	3,046,899			35,370	110,982		16,526	4,663,024	26
27 Halifax B. Co. ....	2,830,602			209,446	270,169			4,682,294	27
28 Yarmouth .....	427,594							586,015	28
29 Exchange .....	226,201						736	356,636	29
30 Commercial, Windsor .....	512,580			4,458			64	1,261,273	30
Total, Nova Scotia .....	28,384,388	3,915,554		768,045	553,048	342,618	224,656	51,090,249	
31 New Brunswick .....	2,032,061			12,749				3,354,589	31
32 People's .....	245,435			20,037				551,850	32
33 St. Stephen's .....	188,419					2,066	171	428,615	33
Total, New Brunswick .....	2,463,915			32,836		2,066	171	4,334,854	
34 Merchants, P. E. I. ....	326,152						19,422	1,159,628	34
Grand total .....	238,431,229	31,355,262	737,473	4,155,273	3,754,773	1,052,699	10,286,645	449,091,985	

Eastern Townships Bank bonus of one per cent. equal in all to a dividend of 8 per cent. per annum.  
Molsons Bank bonus of one per cent. equal in all to a dividend of 9 per cent. per annum.

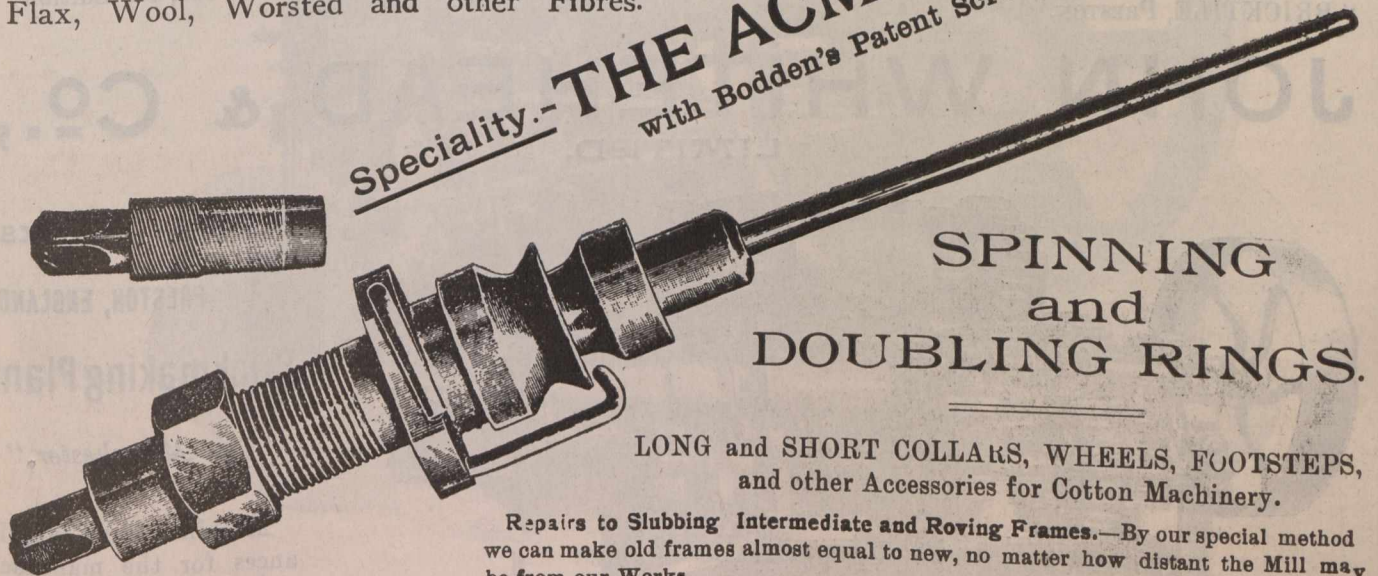
# WILLIAM BODDEN & SON, Limited.

## 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 method  
we can make old frames almost equal to new, no matter how distant the Mill may  
be from our Works.

## Hargreaves Works, - - Oldham, England.

SPECIAL PRICES TO CANADIANS UNDER THE NEW TARIFF.



BANKS.	ASSETS.	Specie.	Domini'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 Securitie's	Prov'l or Pub.Sec's not Can.	Railway & other bds deb & stocks	Call Loans on Bonds and Stocks in Can.	Call and short ins. not in Canada.
1	Toronto	\$672,571	\$1,068,974	\$ 95,000	\$ 714,447	.....	11,662	40,633	\$ 699,950	\$ 235,360	\$ 37,555	\$2,960,731	2,145,640	1,100,000
2	Commerce	952,472	2,014,823	300,000	2,555,161	.....	352,107	1,397,580	1,368,520	1,386,322	287,937	6 8 7 094	5,701,357	1,252,000
3	Dominion	370,700	1,381,211	100,000	1,030,498	.....	509,054	.....	600,307	97,376	715,928	2,203,769	2,333,536	.....
4	Ontario	106,404	406,228	70,000	540,116	.....	153,844	70,001	131,275	50,000	226,466	770,945	589,755	.....
5	Standard	198,934	477,714	50,000	441,780	.....	291,224	.....	66,637	373,666	1,861,926	252,866	1,416,343	420,000
6	Imperial	612,606	1,631,150	105,000	846,098	.....	277,103	418,345	1,412,080	535,856	1,179,607	950,331	2,412,352	.....
7	Traders	158,946	506,181	60,000	272,964	.....	247,409	.....	34,322	529,112	4,938	834,198	2,476,588	.....
8	Hamilton	252,567	854,577	100,000	480,879	.....	196,750	.....	82,327	130,420	1,617,239	214,659	1,700,635	.....
9	Ottawa	348,178	741,532	95,000	412,850	.....	388,697	.....	22,088	464,252	787,844	752,377	744,463	.....
10	Western	26,373	24,153	19,817	49,228	.....	686,696	27,145	31,977	157,658	460,406	196,363	.....	.....
	Total Ont.	4,199,754	9,106,548	994,817	7,344,021	.....	3,114,747	1,953,704	4,679,556	3,961,022	7,179,846	16,003,793	19,520,669	2,772,000
11	Montreal	2,494,991	3,255,443	340,000	2,051,792	.....	19,181	3,172,768	3,290,023	619,233	961,514	4,763,075	.....	30,400,123
12	B. N. A.	830,570	1,423,788	130,078	652,455	.....	10,840	210,698	314,271	537,132	1,625,050	309,303	3,460,819	3,133,675
13	Provincial	8,811	23,104	30,867	17,373	.....	18,448	.....	2,864	18,105	219,962	260,250	762,713	.....
14	D Hochelaga	146,101	412,625	70,000	721,768	.....	54,272	11,342	219,064	680,358	438,839	3,400	94,548	.....
15	Molsons	32,747	826,697	120,000	974,073	.....	265,369	406,722	632,251	323,770	832,384	1,204,156	1 4 4,155	.....
16	Merchants	484,856	808,732	190,000	1,427,693	441,451	10,614	.....	134,693	35,000	1,355,116	760,751	4,490,357	3,546,673
17	Nationale	74,725	144,639	60,000	369,043	.....	76,466	.....	111,043	201,060	233,267	600,560	2,056,412	100,000
18	Quebec	267,684	459,377	90,230	555,890	296,022	7,112	.....	40,177	.....	40,069	48,666	.....	.....
19	Union	203,885	546,746	81,000	320,079	.....	53,685	7,962	.....	.....	.....	.....	.....	.....
20	St. Jean	8,824	14,386	3,725	14,471	.....	58,394	.....	1,862	.....	.....	.....	.....	.....
21	St. Hyacinthe	23,508	23,785	15,327	24,112	.....	27,207	.....	70,553	.....	.....	.....	15,000	.....
22	E. Townships	120,997	147,248	72,047	125,566	.....	776,467	3,321	359,065	180,073	259,507	105,262	865,667	.....
	Total Que.	5,037,699	8,086,570	1,203,274	7,264,321	737,473	1,547,055	3,815,678	5,191,107	3,931,842	5,361,423	10,922,657	14,436,545	88,180,471
23	Nova Scotia	1,055,165	1,591,831	92,972	1,204,626	.....	227	1,011,481	737,923	293,340	1,004,071	2,359,923	2,074,438	2,670,127
24	Royal of Can	803,062	1,172,546	96,000	593,541	.....	113,372	.....	175,549	399,652	526,013	2,161,549	953,544	1,341,353
25	People's Bk.	59,807	147,454	35,000	107,057	.....	61,000	.....	114,358	.....	.....	.....	135,166	.....
26	Union	82,454	449,133	45,000	162,440	.....	484,191	.....	65,404	640,337	.....	300,000	.....	.....
27	Halifax B. Co.	68,907	536,686	30,000	163,777	.....	24,768	.....	39,923	345,983	350,998	43,000	247,762	.....
28	Yarmouth	26,984	21,809	4,3 7	5,842	.....	45,576	7,944	20,198	39,400	.....	450	.....	.....
29	Exchange	4,152	6,700	3,901	1,636	.....	25,051	.....	54,618	.....	20,000	66,900	.....	.....
30	Com'l W' deor	3,626	38,445	11,807	26,154	.....	114,982	13,943	19,165	.....	.....	.....	31,336	.....
	Total N. S.	2,162,157	3,954,604	318,937	2,265,073	.....	869,167	1,033,368	1,131,845	1,833,570	1,910,077	4,931,822	3,442,246	4,011,490
31	N. Brunswick	138,061	211,031	27,538	70,867	.....	79,844	49,079	358,148	6,120	81,090	133,558	252,481	300,000
32	People's	4,670	10,044	7,500	11,066	.....	59,466	9,412	69,781	36,147	4,600	2,300	.....	.....
33	St. Stephen's	11,724	12,260	7,182	10,629	.....	48,616	159	18,610	.....	.....	.....	.....	.....
	Total N. B.	154,455	233,335	42,220	92,562	.....	187,926	58,650	436,539	42,267	85,690	135,858	252,481	300,000
34	Sum's, P. E. I.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
35	Mcht., P. E. I.	17,272	24,340	9,620	27,919	.....	104,305	22,329	17,709	.....	.....	.....	.....	.....
	Gr. Total	11,571,337	21,405,397	2,568,918	16,993,896	737,473	5,823,200	6,883,729	11,456,756	9,768,701	14,528,036	31,994,130	37,651,941	45,263,961

under a perfect system of departmental control. A book descriptive of the factory post free on application.—Description of standard watch movements.—Ordinary quality movements are made of the hardest materials, the steel parts being fire hardened—including hair-spring, jewelled in 7 actions (ruby holes), compensation balances, over-sprung, sunk seconds enamel dial, and carefully timed. Excellent quality movements, in addition to the above, have two pairs extra jewels (4th and scape), pivots, arbors and faces of pin-

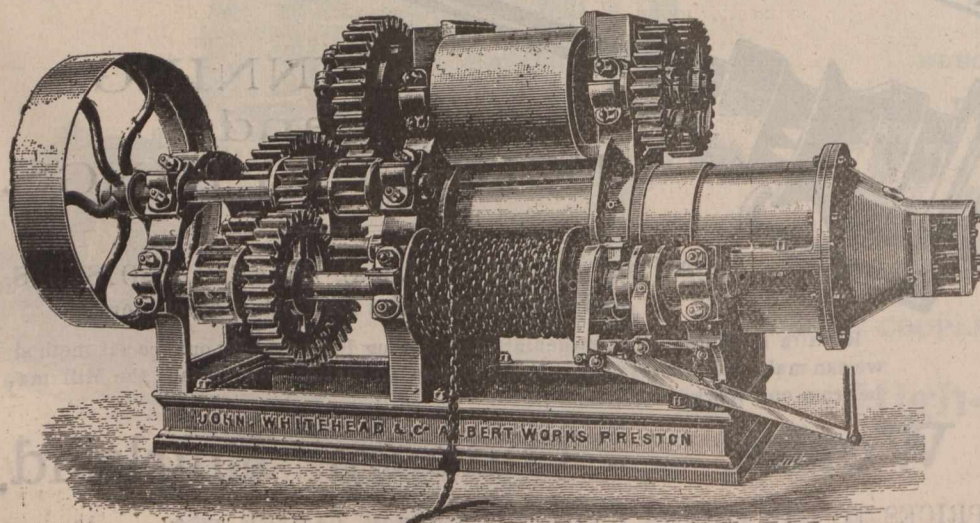
ions glossed, glossed pallets and levers, highly finished compensation balance, Breguet sprung, and timed in four positions. All full-plate keyward movements are fitted with gold composition spade hands, all three-quarter plates, both key and keyless, and all full-plate keyless, with steel spades. The parts of each movement are carefully inspected to prevent the possibility of defective work, while the complete movements are scrupulously examined in each stage of erection. All our movements are made on the inter-

changeable principle, and any part can be replaced. Guarantee forms are supplied to customers on application. Price of extras—Double sunk dial, 1s; naming dial, 6d; naming bar, 6d; naming movement, 1s; extra jewellery, per pair, (rubies), 2s 6d; do. (garnets), 1s 9d; silver dials, 6d; non-magnetic movements, 10s. Send for illustrated catalogue and price list to The Lancashire Watch Co., Limited, Prescott, Lancashire, Eng. London offices, 56 to 60 Holborn Viaduct, E.C., Birmingham offices, 62 Albion street.

Telegraphic Address:  
"BRICKTILE, 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.



BANKS	Current Loans In Canada.	Current Loans elsewhere than Can.	Lo'n's Gov't of Can.	Loans Prov. Gov'ts	Overdue Debts.	R. E. be- sides Bk. premises.	Mortg's on R. E. sold by Bank.	Bank Premises.	Other Assets.	Total Assets.	Liabilt's of Direc- tors & their firms.	Average specie for month	Average of Dom. Notes dur. month	Greatest amt'Notes in circ'n dur' m'th
1 Toronto . . . . .	\$11,865,796	.....	.....	1551,893	\$15,617	.....	.....	\$200,000	.....	\$21,864,972	\$278,500	\$678,000	\$1,252,000	\$2,394,560
2 Commerce . . . . .	33,664,000	8,785,441	.....	.....	230,969	172,514	190,678	1,000,000	578,328	70,579,000	262,810	1,249,000	1,722,000	7,378,000
3 Dominion . . . . .	17,378,228	.....	.....	.....	51,070	44,060	13,371	435,133	11,278	27,977,525	445,000	855,000	988,000	2,472,000
4 Ontario . . . . .	8,642,585	.....	.....	.....	5,620	30,000	4,500	125,000	.....	11,922,554	68,824	99,400	419,000	1,350,000
5 Standard . . . . .	7,170,668	.....	.....	.....	13,984	.....	10,323	100,000	4,286	13,152,458	305,061	198,921	474,342	944,266
6 Imperial . . . . .	13,438,232	.....	.....	.....	43,280	46,075	77,362	398,458	4,895	24,393,338	276,396	603,190	1,441,235	2,485,176
7 Traders . . . . .	6,323,109	.....	.....	.....	4,004	6,982	.....	150,215	18,040	11,877,183	156,707	157,000	518,108	1,346,705
8 Hamilton . . . . .	12,892,478	.....	.....	.....	55,814	8,991	33,615	369,363	91,539	19,081,860	287,178	244,940	671,400	1,965,000
9 Ottawa . . . . .	11,241,541	.....	.....	.....	131,143	7,087	11,574	103,834	.....	16,533,127	138,519	347,758	819,566	1,978,221
10 Western . . . . .	1,543,404	29,100	.....	.....	13,347	15,091	27,060	12,107	16,088	3,340,247	400	25,970	23,956	302,415
Total Ont. . . . .	124,365,442	8,814,351	.....	1551,893	692,991	330,800	363,483	2,941,110	724,454	220,523,044	2,169,425	4,456,519	8,329,606	22,711,183
11 Montreal . . . . .	49,381,236	9,765,869	.....	1,452,055	371,417	33,045	25,000	600,000	109,329	113,106,149	3,712,000	2,514,508	3,911,204	8,363,068
12 B. N. A. . . . .	9,760,705	4,760,372	.....	274,620	142,862	24,616	24,493	561,845	8,895,804	36,182,114	.....	8,838,889	1,468,619	2,894,209
13 Provincial . . . . .	1,675,282	.....	.....	.....	14,018	9,614	12,508	180,000	132,125	3,514,916	.....	5,204	23,095	806,091
14 D'Hochelega . . . . .	6,914,844	.....	.....	.....	53,875	53,341	26,772	81,898	97,594	10,432,010	251,205	149,508	490,000	1,438,123
15 Moisons . . . . .	15,115,282	.....	.....	.....	10,079	81,946	45,697	300,000	13,861	23,102,156	329,479	369,479	788,818	2,490,401
16 Merchants . . . . .	12,691,715	3,074,751	.....	.....	429,531	22,393	64,005	752,645	149,577	3,329,305	243,473	478,396	1,130,383	5,129,401
17 Nationale . . . . .	6,319,002	.....	.....	.....	48,545	7,945	8,650	18,769	36,897	7,459,899	604,340	94,000	207,000	1,189,768
18 Quebec . . . . .	7,315,760	47,701	.....	.....	50,704	80,848	27,853	220,534	45,806	12,757,877	452,411	207,999	435,603	2,129,046
19 Union . . . . .	10,066,090	.....	.....	.....	18,263	94,468	8,583	307,217	3,100	12,479,351	877,800	190,972	580,278	1,950,843
20 St. Jean . . . . .	620,000	.....	.....	.....	25,823	.....	8,573	14,170	10,705	783,944	20,725	8,100	14,400	171,932
21 St. Hyacinthe . . . . .	1,043,631	.....	.....	.....	14,304	11,044	900	19,181	58,877	1,847,434	50,887	22,703	25,282	273,085
22 E. Townships . . . . .	7,688,635	.....	.....	.....	60,437	29,873	51,737	205,022	29,991	11,008,921	252,455	120,705	143,626	1,544,786
Total Que. . . . .	129,283,844	17,648,693	.....	1,726,683	1,368,888	404,194	314,624	3,331,331	9,083,656	268,984,106	6,798,783	5,124,963	9,218,221	28,346,332
23 Nova Scotia . . . . .	7,007,127	4,276,605	.....	145,690	8,039	.....	.....	90,883	.....	25,744,535	239,899	1,082,442	1,334,340	1,957,865
24 Royal of Can . . . . .	10,157,925	759,439	.....	96,970	11,332	1,707	3,080	60,000	10,000	19,436,717	257,404	576,610	928,254	1,936,000
25 People's Bk. . . . .	3,353,405	.....	.....	.....	25,412	15,615	51,863	62,211	2,094	4,188,573	343,891	58,729	116,285	696,838
26 Union . . . . .	3,918,415	.....	.....	4,780	0,864	.....	.....	52,000	.....	6,231,525	443,231	80,444	423,202	871,750
27 Halifax B. Co . . . . .	3,914,194	.....	.....	.....	5,932	7,923	.....	2,440	10,000	5,782,294	12,046	69,266	382,644	580,875
28 Yarmouth . . . . .	762,121	.....	.....	.....	2,909	8,793	.....	8,000	.....	954,388	37,632	26,322	21,191	81,629
29 Exchange . . . . .	473,231	.....	.....	.....	753	.....	.....	23,357	.....	680,303	24,306	4,375	75,447	200,000
30 Com'l W'dsor . . . . .	1,302,065	.....	.....	.....	38,471	7,998	2,200	57,208	1,349	1,695,154	81,688	30,325	36,289	822,302
Total N. S. . . . .	31,977,488	5,036,044	.....	286,445	99,832	42,095	57,143	356,099	23,443	64,734,039	1,487,100	1,929,113	3,249,084	6,522,231
31 N. Brunswick . . . . .	1,956,406	661,298	.....	228,075	8,762	.....	.....	30,000	4,172	4,596,538	118,778	140,850	186,561	475,747
32 People's . . . . .	692,706	.....	.....	.....	10,617	.....	.....	8,500	55	916,867	140,901	4,347	9,402	164,615
33 St. Stephen's . . . . .	497,262	.....	.....	.....	14,523	49,072	.....	12,000	.....	691,841	64,577	11,255	11,780	122,072
Total N. B. . . . .	3,146,374	661,298	.....	228,075	33,702	49,072	.....	50,500	4,227	6,195,246	323,256	156,452	207,833	762,434
34 Mcht., P. E. I. . . . .	1,379,609	.....	.....	730	10,242	335	.....	21,132	5,882	.....	93,154	7,506	12,567	288,117
Gr. Total . . . . .	259,158,657	32,160,566	.....	3,793,626	2,105,705	886,497	730,250	6,753,172	9,841,652	582,077,793	10,820,718	11,672,573	21,017,261	58,650,297

Return of Canadian Bank of Commerce. Amount under heading "Other assets not included under foregoing heads," contains bullion purchased at Dawson City.  
 Return of Bank of British North America. Amount under heading "Other assets not included under foregoing heads" contains bullion purchased at Dawson City. The figures for the Atlin and Dawson City branches are taken from the last returns received, viz.: Atlin 24th September and Dawson City 14th September.

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

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

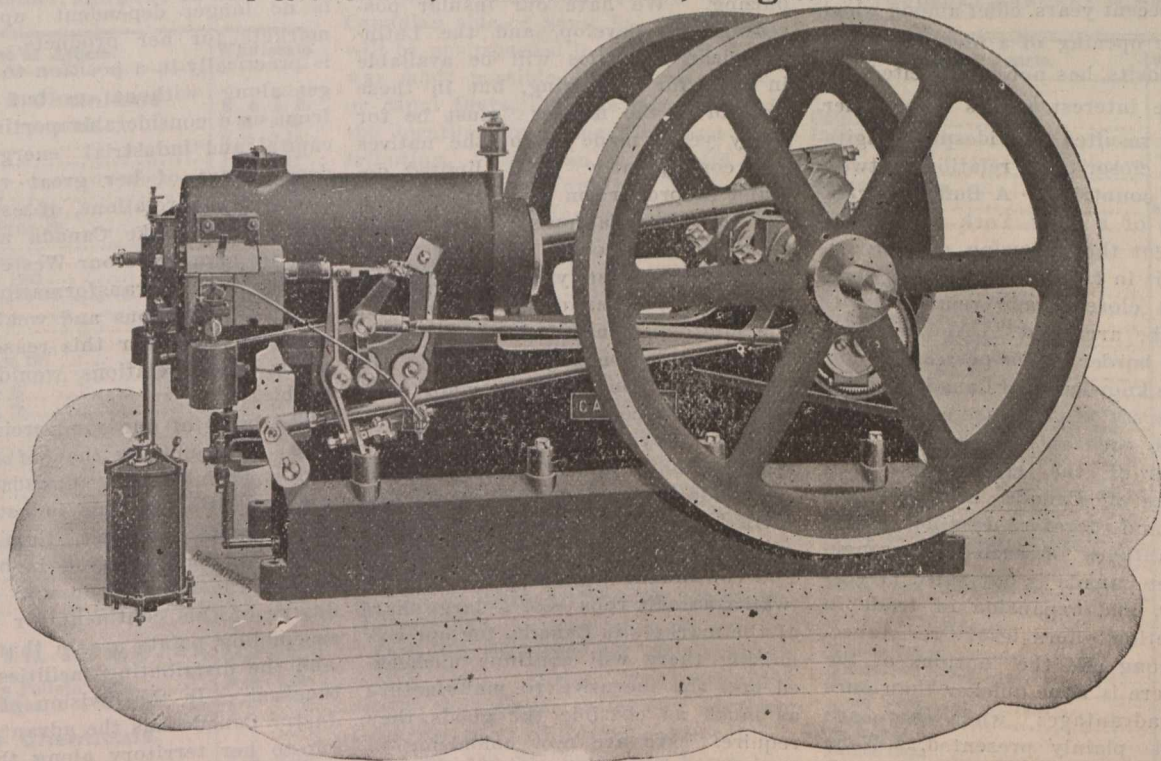


Photo of 20 B. H. P. Oil Engine.

Makers of:

- Gardner Oil Engines—Petroleum.
- Gardner Gas Engines—Town or Producer Gas.
- Gardner Spirit Engines—Gasoline, Benzoline.
- Gardner Alcohol Engines—Methylated Spirit.
- Gardner Launch Engines—Oil, Spirit or Alcohol.

LONDON OFFICES AND SHOWROOMS,

- Engines from 1/2 B. H. P.
- Horizontal and Vertical.
- Tube Ignition with Ignition Valves.
- Electric Ignition.

More than 2000 Engines Sold and Working Successfully in all Parts of the World.  
 200 Engines Always in Progress.

87 QUEEN VICTORIA STREET, E. C.



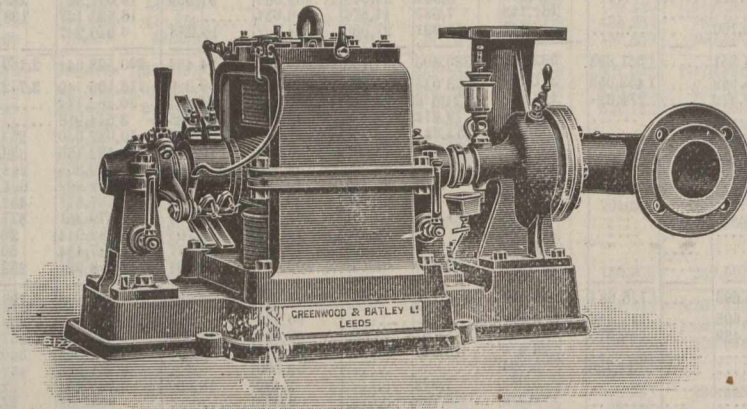
Machines in use, 2402

HP. 71,786.

Made from 1½ to 300 HP.

# The De Laval Patent Steam Turbines, Turbine Dynamamos. Turbine Pumps & Fans.

Agents for Australasia:  
JAMES BARTRAM & SON, Melbourne.



No. 6771. ELECTRIC MOTOR PUMP. TYPE A. M. P. 2.

Agents for Egypt:  
ALLAN, ALDERSON & CO., Alexandria and Cairo

Sole Licensees for Great Britain and all Colonies and Dependencies, China, Japan and Egypt:

THE ENGLISH DE LAVAL STEAM TURBINE CO., Ltd., Leeds, Eng.

SOLE SELLING AGENTS:

## Greenwood & Batley, Ltd., ALBION WORKS, LEEDS, Eng.

To whom all Communications should be Addressed.

### RECIPROACITY.

The industrial progress of Canada during recent years, chief among which was the opening of a few of its mineral deposits, has not only excited considerable interest across the border, but has resulted in widespread agitation for closer trade relations between the two countries. A Buffalo correspondent of a New York commercial paper sent the following recently:—Sir,—Is it in the interest of this country that closer trade relations with Canada be arranged? New England and the border cities possessing considerable knowledge of Canada and her resources say yes, and are endeavoring to hasten such an arrangement. The remainder of the country has little knowledge of Canada and her resources, and therefore does not realize the advantages of such an arrangement; yet Canada is our third largest customer, and expansion of trade in her direction offers least resistance. Now, among all the nations of the world there is none quicker than ours to seize advantages when they are fully and plainly presented. Were the advantages of closer trade relations with Canada fully and plainly presented to the whole country the demand for such an arrangement would quickly become general. The more important advantages are as follows:

For colonizing territory Canada is of

extraordinary advantage to us. The commercial greatness of a nation depends largely upon her success at colonizing. We have our insular possessions to develop, and the Latin-American republics will be available in time for colonizing, but in these territories the masses must be for many years made up of the natives and consequently yield limited demand in proportion to their numbers for our manufactures. The Canadians now, although less than six million in number, yield a greater demand for our manufactures than do the multo-millions of the other territories. Our colonizing of Canada has set in with considerable vigor, and promises to continue even more vigorously. By arranging closer trade relations now we will greatly expand our trade into Canada, for with a low tariff between the countries our manufacturers will have the advantage. The continuance of the present tariff wall assuredly robs us of a large share of the markets in Canada, for our colonizing there will continue unchecked and the incentive to manufacture as much as possible the goods they require. We are now colonizing in Canada at a much greater rate than elsewhere; the territory and resources of that country are as valuable as are those of any country now available to any nation colonizing, and the geographical conditions are particularly good and cannot be

equalled. At the present time Canada is rapidly increasing her commercial and industrial strength and is no longer dependent upon our markets for her products. Canada is practically in a position to not only get along without us but to draw from us a considerable portion of our capital and industrial energy in the development of her great resources. Closer trade relations, if established now, would make Canada as profitable to us as were our Western States during their transformation from prairie to populous and wealthy communities. Even for this reason alone closer trade relations would be advisable.

The basis of our commercial greatness is undoubtedly that of the iron and steel industry. Canada is taking a position in this industry that may become stronger than is ours. The great lakes region is bound to attract the inland iron and steel industry of this continent for the best assembling points are in that region, and the distributing facilities are also the best. In the division of the industry Canada has the advantage, owing to her territory along the great lakes being more convenient for developing cheap power by water power canals. This advantage will be emphasized by the construction of a ship and power canal from Lake St. Clair to Lake Erie, and a similar canal from Lake Huron to Lake Erie.



# JOHN HALLIDAY & SON

Wholesale and Export Manufacturers  
Of Strong and Medium



Men's,  
Women's  
and  
Children's

## BOOTS

In Sewn, Screwed,  
Wood-Pegged,  
or Rivetted.

WARRANTED  
ALL  
LEATHER.

*BRAMLEY, LEEDS,*  
*ENGLAND.*

**MONTREAL WHOLESALE PRICES CURRENT.**  
THURSDAY, JANUARY 30, 1902.

Name of Article.	Wholesale	
	\$ c.	\$ c.
<b>Drugs &amp; Chemicals</b>		
Acid Carbollic Cryst medi.....	0 35	0 40
Aloes, Cape.....	0 16	0 18
Alum.....	1 40	1 75
Borax, xtis.....	0 05	0 07
Brom. Potass.....	0 70	0 80
Camphor. Ref Rings.....	0 00	0 30
"    Ref oz. ck.....	0 80	0 85
Citric Acid.....	0 40	0 45
Citrate Magnesia lb.....	0 25	0 45
Cocaine Hyd. (oz).....	6 50	7 00
Copperas, per 100 lbs.....	0 75	0 80
Cream Tartar.....	0 20	0 25
Epsom Salts.....	1 25	1 75
Glycerine.....	0 16	0 20
Gum Arabic per lb.....	0 20	0 40
"    Trag.....	0 50	1 00
Insect Powder lb.....	0 25	0 40
do per keg, lb.....	0 22	0 30
Menthol, lb.....	5 00	5 50
Morphia.....	1 65	1 75
Oil Peppermint lb.....	2 75	2 50
Oil Lemon.....	1 25	1 50
Opium.....	4 00	4 25
Oxalic Acid.....	0 07	0 10
Phosphorus.....	0 50	0 75
Potash Bichromate.....	0 08	0 10
Potash Iodide.....	3 00	3 40
Quinine.....	0 35	0 45
Strychnine.....	0 65	0 80
Tartaric Acid.....	0 30	0 35
<b>Licorice.—</b>		
Stick, 4, 6, 8, 12, & 16 to lb., 5 lb. boxes.....	2 00	0 00
Acme Licorice Pellets, cans.....	2 00	0 00
Licorice Lozenges, 1 5 lb. cans.....	1 50	0 00
<b>Heavy Chemicals.</b>		
Bleaching Powder.....	2 00	3 00
Blue Vitriol.....	5 00	7 00
Brimstone.....	2 00	2 50
Caustic Soda 60.....	2 25	2 50
"    70.....	2 50	2 75
Soda Ash.....	1 25	1 50
Soda Bicarb.....	1 75	2 25
Sal. Soda.....	0 75	0 85
"    Concentrated.....	1 50	2 00
<b>Dyestuffs.</b>		
Archil. con.....	0 27	0 29
Cutch.....	0 02	0 09
Ex. Logwood.....	0 09	0 12

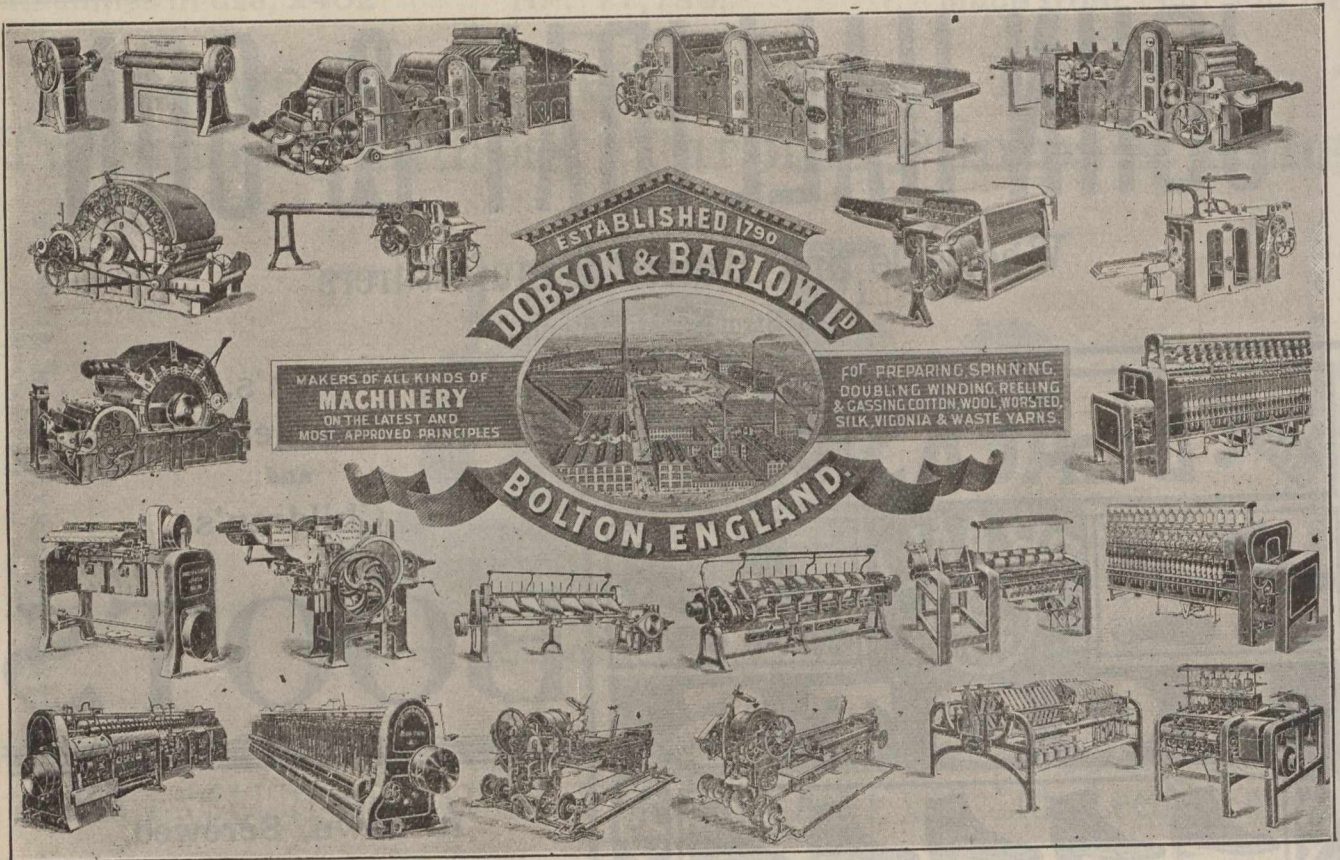
Philadelphia energy and capital is creating an industrial centre on the Canadian side of Sault Ste. Marie that will be unsurpassed in the world. This was made possible by the water power canal there, and the excellence of the location for assembling and distributing. American capital and energy will plant another industrial centre on the peninsula between Lake Huron and Lake Erie. An additional inducement to American capital and energy to share in the development of the iron and steel industry in Canada is the generous bounty given by the government. If we arrange closer trade relations with Canada we will share largely in the benefits from the development of the iron and steel industry there by selling more of our manufacturers. If we maintain the present high tariff against Canada we will continue to educate her to manufacture as much as possible the goods she requires.

Canada's resources for cheap water power and cheap transportation along the great waterway extend from the head of Lake Superior to a point on the St. Lawrence River below the city of Quebec. By prohibiting the export of raw material (and a precedent has been established) Canada can draw from this country unlimited capital and energy to share in the profits of industrial development. If we maintain our high tariff against her she is most likely to pro-

**MONTREAL WHOLESALE PRICES CURRENT**  
THURSDAY, JANUARY 30, 1902.

Name of Article.	Wholesale.	
	\$ c.	\$ c.
Chip Logwood.....	1 75	2 50
Indigo (Bengal).....	1 50	1 75
Indigo Madras.....	0 70	1 00
Gambler.....	0 07	0 08
Madder.....	0 09	0 12
Sumac.....	60 00	65 00
Tin Crystals.....	0 23	0 30
<b>Fish.</b>		
Bloaters, per box.....	1 00	1 25
Labrador Herrings, N.F.....	0 00	0 00
Herrings, Nova Scotia.....	0 00	5 30
Mackerel No. 2, brls.....	0 00	12 50
"    "    1/4 barrel.....	8 00	6 50
Green Cod, No. 1.....	0 00	6 00
Green " large.....	0 00	7 00
No. 2.....	0 00	5 00
Large dry Gaspe per qntl.....	5 00	5 25
Salmon, brls Lab.....	11 50	14 00
Salmon, (half brls).....	0 00	7 00
"    Brit. Col brls.....	11 50	12 00
Boneless Fish.....	0 04	0 00
"    Cod.....	0 05	0 06
Skinless Cod, case.....	0 00	4 75
N. S. Salt Herrings, in half-barrels	0 00	3 00
Salt Lake Trout, half-brls.....	0 00	0 02
Salt Whitefish.....	0 00	0 00
Loch Fyne Herrings, keg.....	1 10	1 15
<b>Flour.</b>		
Winter Wheat patents.....	4 00	4 10
Manitoba patents.....	0 00	4 30
Straight roller.....	3 65	3 80
do bags.....	1 75	1 85
Strong Bakers.....	0 00	4 00
Superfine.....	0 00	0 00
Rolled Oats.....	5 40	5 50
Corn meal, bag.....	1 50	1 55
Bran bulk.....	30 00	20 50
Shorts.....	22 00	23 50
Mouille.....	24 00	27 00
<b>Farm Products.</b>		
BUTTER; Choicest Cr.....	0 21	0 22
Winter makes do.....	0 19	0 20
Township Dairy.....	0 17	0 20
2nd Grade.....	0 00	0 00
Western ".....	0 14	0 17
Good to choice.....	0 13	0 15
Fresh Rolls.....	0 16	0 17





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

MONTREAL WHOLESALE PRICES CURRENT THURSDAY, JANUARY 30, 1902.

Name of Article.	Wholesale	
	\$ c.	\$ c.
<b>Farm Products.—Con.</b>		
<b>CHEESE:</b>		
Finest, Oct.....	0 10	0 10 1/2
Eastern, do.....	0 09 1/2	0 10
Quebec.....	0 00	0 00
<b>Eggs:</b>		
New shipped.....	0 25	0 27
Sel. fall.....	0 21	0 22
Straight fall.....	0 20	0 25
Limed.....	0 19	0 20
Cold storage.....	0 20	0 22
Hops: N. Y. State, per bbl.	0 11	0 12
Pacific Coast, ".....	0 14	0 14 1/2
Canadian, ".....	0 12 1/2	0 19
German, ".....	0 28	0 35
English, ".....	0 30	0 30
British Columbia, ".....	0 18	0 26
<b>HOG PRODUCTS:</b>		
Bacon, smoked, per bbl.	0 14	0 15
Hams, city cured, ".....	0 13 1/2	0 14 1/2
Pork Cas. s.c. per bbl.	21 50	22 00
do mess.....	21 00	22 50
Dressed Hogs, light.....	8 50	8 75
do heavy.....	8 25	8 40
Lard, per bbl Can pure.....	0 11 1/2	0 11 1/2
do Com. Refined.....	0 07 1/2	0 08
<b>SUNDRIES:</b>		
Potatoes, per bag of 90 lbs.....	0 89	0 95
Honey, White Clov., Comb.....	0 10	0 11 1/2
do Extracted.....	0 06 1/2	0 08 1/2
Beeswax.....	0 25	0 30
Beans: prime.....	1 30	1 40
do. Best hand-picked.....	0 00	1 45
<b>Groceries.</b>		
<b>Canned Goods:</b>		
Lobsters, 1/2 to 1 lb.....	1 75	3 25
Sardines, 1/2.....	7 00	17 00
Canadian Sardines.....	3 75	4 00
Mackerel.....	1 00	1 10
Salmon, 4 doz. case.....	3 60	5 00
Clams, 1-lb tins, per.....	0 90	1 00
Oysters.....	1 15	1 40
Tomatoes, 3s. per doz.....	0 87 1/2	0 95
Peaches, 2-lb.....	1 85	1 80
do 3-lb.....	2 25	2 50
Pears, 2-lb. tins, per doz.....	1 50	1 60
Strawberries, Pres'd 2s.....	0 00	1 65
Raspberries 2s.....	1 45	1 60
Pineapples, 3-lb tin, p. doz.....	2 30	2 40
Gooseberries Pres. 2s.....	0 00	1 50
Gr'n Gages, 2-lb. tins, p. d.....	1 30	1 50
Blue Plums, 2 lbs.....	1 00	1 10
Corn, 2 lb. tins.....	0 80	0 85
Peas, 2-lb tins.....	0 82 1/2	0 90
String Beans.....	0 80	0 85
<b>Sugars: Factory.</b>		
Ex Granulated, brls.....	0 00	4 00
Acadia gran'd.....	0 00	3 95
Ex Ground, in brls.....	0 00	4 75
do in bxs.....	0 00	4 95
Powdered, in brls.....	0 00	4 50
do boxes.....	0 00	4 65
Paris Lump, in brls.....	0 00	4 75
do half brls.....	0 00	4 85
do 100-lb bxs.....	0 00	4 75
do 50-lb bxs.....	0 00	4 85
Branded Yellows.....	3 45	3 80

test herself against too unfavorable a balance of trade by prohibiting the export of such raw material as we require, and compel its manufacture there. An instance of this kind can be found in the lumber business. Canada is not in a position to increase her tariff, as such a policy would interfere with the development of the great stretch of wheat lands in her western territory. In our trade with Canada the balance in our favor is nearly \$75,000,000. Everything we buy from her, excepting gold, is affected by high tariff. Half of that which she buys from us, and she is our third best customer, is on the free list and the other half goes in under a tariff not more than half as high as ours. During the past year Canadians have shown a new determination to maintain but a semblance of friendly neighborship and to direct their trade policy upon a distinctly independent basis as far as we are concerned. We must bear in mind that Canada is in a position to be independent of us. Radical changes have taken place since the reciprocity treaty was abrogated in 1895. Then Canada bought her manufactured goods in Great Britain and sold her farm and agricultural products to us. Now she buys her manufactured goods from us and sells her farm and agricultural products to Great Britain. If she wants closer trade relations now with us it is only because she considers the balance of trade against her too unfavorable and believes she is entitled to fairer trade treatment by freer admission of her natural products to our markets. She buys from us immense quantities of corn, cotton and tobacco.

The cotton belt is becoming a manufacturing section of great promise

MONTREAL WHOLESALE PRICES CURRENT THURSDAY, JANUARY 30, 1902.

Name of Article.	Wholesale	
	\$ c.	\$ c.
<b>Molasses (Barbados).....</b>	0 28	0 29
do brls. & 1/2s.....	0 31 1/2	0 32 1/2
Evaporated Apples.....	0 09 1/2	0 10 1/2
<b>Raisins:</b>		
Sultanas.....	0 09	0 12
Loose Musc. Malaga.....	0 08 1/2	0 10
Layers, London.....	0 00	1 50
Con. Cluster.....	0 00	2 00
Extra Dessert.....	0 00	2 75
Royal Bucking'm.....	0 00	3 25
Valencia.....	0 05	0 06
do Selected.....	0 06	0 06 1/2
do Layers.....	0 06 1/2	0 07
<b>Currants, Provincials.....</b>	0 00	0 05
Filliatras.....	0 00	0 06 1/2
Patras.....	0 00	0 07
Vostizzas.....	0 00	0 07
Prunes, Cal.....	0 07	0 09 1/2
do French.....	0 04	0 05
Figs in bags.....	0 03 1/2	0 00
do new layers.....	0 08	0 13 1/2
Baking Soda, 112 lb. keg.....	0 00	1 70
<b>Spices:</b>		
Cassia..... mats	0 12	0 15
Mace..... chests	0 90	1 20
Cloves.....	0 15	0 16
Nutmegs.....	0 35	1 00
Jamaica ginger, bl.....	0 08	0 15
do unbl.....	0 07	0 14
African.....	0 08	0 10
Pimento.....	0 10	0 12
Pepper, Black.....	0 17	0 19
do White.....	0 25	0 27
Mustard, 4 lb jar, Eng.....	0 72	0 85
do 1 lb.....	0 23	0 25 1/2
<b>Rice, C. C.....</b>	0 00	3 00
do standard B.....	0 00	3 10
do Patna..... 100 lb.	4 12 1/2	4 62 1/2
do Burmah.....	4 00	4 10 1/2
do Crystal Japan.....	5 00	5 10
do Carolina..... 100 lb.	6 60	7 60
Pot Barley, bag 1/2 lbs.....	0 00	2 20
Pearl..... per lb.....	0 03	0 05
Tapioca, Pearl.....	0 00	0 04 1/2
do Flake.....	0 00	0 05
Gelatine, 1 qt pk.....	1 10	0 00
do 1 1/2 qt pk.....	1 75	0 00
<b>Vinegar: less 10 p.c. dis.</b>		
Imp Trip.....	0 33	0 00
Cote D'or.....	0 28	0 00
Crystal Pickling.....	0 23	0 00
W. W. XXX.....	0 25	0 00
W. W. XX.....	0 20	0 00
W. W. X.....	0 17	0 00
Pure Malt.....	0 45	0 00
Cider X.....	0 17	0 00
do XXX.....	0 27	0 00
<b>Hardware.</b>		
Antimony.....	0 09 1/2	0 10
7/16. Block, L & F, 7/8 D.....	0 00	0 30
do Straits.....	0 00	0 00
do Strip.....	0 00	0 31
Copper: Ingot.....	0 00	0 00
CUT NAIL SHEET PILE.....		
Base Price, per Keg, car lots.....	2 27 1/2	0 00
Less quantity.....	2 35	0 00
Extras—Over and above 30d, 40d, 50d, 60d and 70d Nails.....		



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(Cuts will be inserted as soon as made.)

MONTREAL WHOLESALE PRICES CURRENT. THURSDAY, JANUARY 30, 1902.

Name of Article.	Wholesale.
<b>Hardware.—Con.</b>	
Cut and Fence Nails—	\$ c \$ c
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—	
20 to 30d per 100 lbs.	0 55 0 00
10 to 16d " " " "	0 60 0 00
8 and 9d " " " "	0 65 0 00
6 and 7d " " " "	0 70 0 00
4 to 5d " " " "	0 95 0 00
3d " " " "	1 20 0 00
Finishing nails—	
3 inch and longer per 100 lbs.	0 60 0 00
2 1/2 and 2 3/4 inch " " " "	0 65 0 00
2 and 2 1/2 " " " "	0 70 0 00
1 1/2 and 1 3/4 " " " "	0 95 0 00
1 1/4 " " " "	1 20 0 00
1 " " " "	1 50 0 00
Slatting nails—	
1 1/2 and 1 3/4 inch per 100 lbs.	0 95 0 00
1 1/4 " " " "	1 20 0 00
1 " " " "	1 50 0 00
Common barrel nails—	
1 1/2 inch per 100 lbs.	1 00 0 00
1 " " " "	1 00 0 00
3/4 " " " "	1 25 0 00
1/2 " " " "	1 50 0 00
Clinch nails—	
3 inch and longer per 100 lbs.	0 60 0 00
2 1/2 and 2 3/4 inch " " " "	0 65 0 00
2 and 2 1/2 inch " " " "	0 70 0 00
1 1/2 and 1 3/4 " " " "	0 95 0 00
1 1/4 " " " "	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
2 1/2 and 2 3/4 inch " " " "	1 50 0 00
2 and 2 1/2 " " " "	1 65 0 00
1 1/2 and 1 3/4 " " " "	1 85 0 00
1 1/4 and 1 1/2 " " " "	2 50 0 00
1 " " " "	3 00 0 00
1 " " " "	0 11 1/2 0 00
Coil Chain—No. 6	0 10 0 00
" " " " " " " "	0 09 1/2 0 00
" " " " " " " "	0 09 0 00
" " " " " " " "	0 07 1/2 0 00
1/2 inch " " " "	4 35 0 00
5-16 " " " "	4 25 0 00
3/8 " " " "	4 00 0 500
7-16 " " " "	

with cotton as a specialty. The corn belt holds to itself great value in that product. The wheat and timber belt, always the most valuable, is now to become also the greatest manufacturing section by the iron and steel industries going to the great lakes' region. Canada shares with us possession of this last and most valuable belt, and is certainly doing her share in developing its resources. We hold in common the great inland waterway through this belt, a waterway that is the power to reduce transportation rates to the lowest possible charges. A community of interest policy would undoubtedly be mutually advantageous. Under the present situation our high tariff not only restricts expansion of trade northwards, but increases ill-feeling in Canada towards us and is causing us to lose the benefit of our active colonizing in Canada.

GREAT CANALS OF THE WORLD.

Ship canals connecting great bodies of water and of sufficient dimensions to accommodate the great modern vessels plying upon such waters are of comparatively recent production and few in number. The one great example of works of this character which has been a sufficient length of time in existence and operation to supply satisfactory data as to the cost of maintenance and operation and practical value to the commerce of the world, according to the U. S. Bureau of Statistics, is the Suez Canal, and for this

MONTREAL WHOLESALE PRICES CURRENT. THURSDAY, JANUARY 30, 1902.

Name of Article.	Wholesale.
Coil Chain—No. 4	3 85 0 00
9-16 " " " "	3 75 0 00
3/4 " " " "	3 65 0 00
1/2 " " " "	3 75 0 00
3/8 " " " "	3 60 0 00
1 in " " " "	3 60 0 00
Galvanized Staples—	
100 lb. box, 1 1/4 to 1 1/2	3 50 0 00
Bright, 1 1/4 to 1 1/2	3 25 0 00
Galvanized Iron:	
Queen's Head, } gauge 28	4 50 4 75
or equal, } gauge 28	
Comet do 28 gauge	4 25 4 60
Iron Horse Shoes:	
No. 2 and larger	0 00 3 50
No. 1 and smaller	0 00 3 75
Bar Iron, per 100 lbs.	1 90 1 95
Car lots	0 00 0 00
Norway, base	0 00 4 25
Am. Sh. St'l, 6 ft. x 2 1/2 ft., 18	0 00 2 70
" " " " " " " "	0 00 2 95
" " " " " " " "	0 00 3 10
" " " " " " " "	0 00 3 10
" " " " " " " "	0 00 3 20
" " " " " " " "	0 00 3 45
Boiler plates, iron, 1/4 in.	0 00 2 10
" " " " " " " "	0 00 2 10
Hoop Iron, base for 2 in. and larger	0 00 2 90
Band Canadian, 1 to 6 in. 30c; over base of ordinary iron, smaller size Extras.	
Canada Plates:	
Full Polish	3 75
Ord. 52 sheets	2 75
" 60 do	2 80
" 75 do	2 85
Black Iron pipe, 1/2 in. x 1 in.	3 72
3/4 in. " " " "	3 87
1 in. " " " "	3 20
1 1/2 in. " " " "	4 80
2 in. " " " "	6 50
per 100 ft. nett.	
Steel, cast p. lb., Blk Diam'd	0 08 base
" Spring, 100 lbs.	2 75 0 00
" Tire, " " " "	2 90 base
" Sleigh shoe, 100 lbs.	2 10 base
" Toe Calk, " " " "	2 66
" Machinery, " " " "	2 75 base
" Harrow Tooth, " " " "	2 50
Tin Plates:	
IC Coke, 14 x 20	4 50
IC Charcoal, 14 x 20	4 75
IX Charcoal	5 75
IXY " " " "	6 75



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per square inch.

Musgrave's Patent  
**SUPERHEATERS.**

**MONTREAL WHOLESALE PRICES CURRENT.**  
THURSDAY, JANUARY 30, 1902.

Name of Article.	Wholesale.
<b>Terne Plate 10, 20x25</b> .....	8 00 8 25
<b>Russ. Sheet Iron</b> .....	0 10 0 00
<b>Lion &amp; Crown tin'd sh'ts</b> .....	
<b>22 and 24 gauge case lots</b> .....	0 30 7 50
<b>26 gauge</b> .....	0 00 7 75
<b>Lead: Pig, per 100 lbs;</b> .....	3 25 3 35
<b>Sheet</b> .....	0 00 0 04
<b>Shot, 100 lb., less 1 1/4 p.c.</b> .....	0 00 6 50
<b>Lead Pipe, per 100 lbs.</b> .....	7 00 0 00
	less 30 p.c.
<b>Zinc:</b>	
<b>Spelter, per 100 lbs</b> .....	0 00 4 75
<b>Sheet, Zinc</b> .....	5 75 6 00
<b>Black Sheet Iron.</b>	
Per 100 lbs.	
<b>8 to 16 gauge</b> .....	2 65 0 00
<b>18 to 20 do</b> .....	2 50 0 00
<b>22 to 24 do</b> .....	2 65 0 00
<b>26 do</b> .....	2 80 0 00
<b>28 do</b> .....	2 85 0 00
<b>Wire:</b>	
<b>Plain galv'd, No. 5</b> .....	3 95 0 00
<b>do do No. 6, 7, 8</b> .....	3 45 0 00
<b>do do No. 9</b> .....	2 80 0 00
<b>do do No. 10</b> .....	3 55 0 00
<b>do do No. 11</b> .....	3 65 0 00
<b>do do No. 12</b> .....	2 95 0 00
<b>do do No. 13</b> .....	3 05 0 00
<b>do do No. 14</b> .....	4 05 0 00
<b>do do No. 15</b> .....	4 55 0 00
<b>do do No. 16</b> .....	4 80 0 00
<b>Barbed Wire—</b>	
<b>Spring Wire per 100, 1.00</b>	3 00 f o.b.
<b>net extra.</b>	Montreal.
<b>Iron and Steel Wire pl'n</b>	
<b>1/8 to 9</b> .....	2 80 base.
<b>Rope.</b>	
<b>Sisal, base</b> .....	0 00
<b>" 7-16 and up</b> .....	0 12
<b>" 3/4</b> .....	0 12
<b>" 5-16</b> .....	0 12
<b>" 1/2</b> .....	0 13
<b>" 3-16</b> .....	0 12
<b>Manilla, 7-16 &amp; lgr.</b>	0 15
<b>" 3/4</b> .....	0 16
<b>" 5-16</b> .....	0 16
<b>" 1/2</b> .....	0 16
<b>" 3-16</b> .....	0 17
<b>Lath yarn</b> .....	0 11
<b>Wire Nails.</b>	
<b>Base Price carload</b> .....	2 50
<b>Less than</b> .....	2 55
<b>2d extra</b> .....	1 00
<b>2d f</b> .....	1 00
<b>3d</b> .....	0 65
<b>4d and 5d</b> .....	0 40
<b>6d and 7d</b> .....	0 30
<b>8d and 9d</b> .....	0 15
<b>10d and 12d</b> .....	0 10
<b>16d and 20d</b> .....	0 05
<b>30d to 60d</b> .....	Base
<b>Building Paper.</b>	
<b>Tarred felt, per 100 lbs.</b> .....	1 70 0 00
<b>2 ply, Ready R't'g., roll</b> .....	0 80 0 00
<b>" " " " " "</b> .....	1 05 0 00

the available statistics begin with the year 1870, while its new and enlarged dimensions only date from the year 1896. For the Sault Ste. Marie Canal, connecting Lake Superior with Lake Huron, statistics date from 1855, though for the canal, in its present form, they cover only about four years. Statistics of the Welland Canal date from 1867, but for the canal in its present enlarged form cover only two years of operation. The other great ship canals of the world are of much more recent construction and data regarding their operation therefore cover a comparatively brief term, and in some cases are scarcely at present available in detail.

The artificial waterways which may properly be termed ship canals are nine in number, viz.:

1. The Suez Canal, begun in 1859 and completed in 1869.
2. The Cronstadt and St. Petersburg Canal, begun in 1877, and completed in 1890.
3. The Corinth Canal, begun in 1884 and completed in 1893.
4. The Manchester Ship Canal, completed in 1894.
5. The Kaiser Wilhelm Canal, connecting the Baltic and North Seas, completed in 1895.
6. The Elbe and Trave Canal, connecting the North Sea and Baltic, opened in 1900.
7. The Welland Canal, connecting Lake Erie with Lake Ontario.
8. and 9. The two canals, United States and Canadian, respectively, connecting Lake Superior with Lake Huron.

The description which is given of each of these great waterways shows that the length of the Suez Canal is about 90 miles, the cost \$100,000,000, the present depth 31 feet, width at bottom 108 feet and at the surface 420 feet, and that the number of vessels passing through it has grown from 486

**MONTREAL WHOLESALE PRICES CURRENT.**  
THURSDAY, JANUARY 30, 1902.

Name of Article	Wholesale.
<b>Hides and Tallow.</b>	
<b>Montreal Green Hides</b>	
" No. 1.....	0 07 0 00
" No. 2.....	0 06 0 00
" No. 3.....	0 05 0 00
<b>Tanners pay \$1 extra for sorted</b>	
<b>cured &amp; inspect'd Sheepskins</b> .....	0 00 0 00
<b>Clips</b> .....	0 00 0 00
<b>Lambskins each</b> .....	0 00 0 65
<b>Calfskins, No. 1</b> .....	0 00 0 09
" No. 2.....	0 00 0 07
<b>Horsehides</b> .....	1 50 2 00
<b>Leather</b>	
<b>No. 1 B. A. Soles</b> .....	0 27 0 28
<b>No. 2 B. A. Sole</b> .....	0 25 0 26
<b>No. 3 B. A. Spanish Sole</b> .....	0 24 0 25
<b>Slaughter, No. 1</b> .....	0 28 0 29
<b>Light medium &amp; heavy</b> .....	0 28 0 29
" No. 2.....	0 26 0 27
<b>Harness</b> .....	0 26 0 32
<b>Upper, heavy</b> .....	0 34 0 36
<b>Upper, light</b> .....	0 35 0 37
<b>Grained Upper</b> .....	0 34 0 35
<b>Scotch Grain</b> .....	0 35 0 38
<b>Kip Skins, French</b> .....	0 60 0 65
<b>English</b> .....	0 45 0 55
<b>Canada Kip</b> .....	0 50 0 60
<b>Hemlock Calf</b> .....	0 50 0 70
" Light.....	0 50 0 60
<b>French Calf</b> .....	0 85 1 10
<b>Splits, light and medium</b> .....	0 22 0 25
" heavy.....	0 17 0 20
" small.....	0 18 0 20
<b>Leather Board, Canada</b> .....	0 06 0 10
<b>Enameled Cow, per ft</b> .....	0 16 0 12
<b>Pebble Grain</b> .....	0 12 0 14
<b>Glove Grain</b> .....	0 12 0 13
<b>B. Calf</b> .....	0 15 0 20
<b>Brush (Cow) Kid</b> .....	0 11 0 13
<b>Buff</b> .....	0 13 0 16
<b>Russets, light</b> .....	0 35 0 40
" heavy.....	0 25 0 30
" No. 2.....	0 35 0 40
" Saddlers' doz.....	7 50 9 00
<b>Int. French Calf</b> .....	0 65 0 75
<b>English Oak lb</b> .....	0 30 0 35
<b>Dongola, extra</b> .....	0 38 0 42
" No. 1.....	0 20 0 22
" ordinary.....	0 14 0 16
<b>Colored Pebbles</b> .....	0 13 0 16
" Calf.....	0 16 0 22
<b>Oils</b>	
<b>Cod Oil</b> .....	0 35 0 40
<b>S. R. Pale Seal</b> .....	0 50 0 55
<b>Straw Seal</b> .....	0 40 0 50
<b>Cod Liver Oil, Nfd. Norw</b>	
" Process.....	0 85 1 00
" Norwegian.....	0 95 1 10
<b>Castor Oil</b> .....	0 09 0 10
<b>Castor Oil brls</b> .....	0 09 0 09
<b>Lard Oil, Extra</b> .....	0 75 0 85
" " " " " ".....	0 65 0 75
<b>Linseed, raw, nett</b> .....	0 74 0 75
" boiled, nett.....	0 77 0 78
<b>Olive, pure</b> .....	1 05 1 15
<b>Extra, qt., per case</b> .....	0 00 3 70
<b>Turpentine, nett</b> .....	0 66 0 67
<b>Petroleum:</b>	
<b>Benzine</b> .....	0 20 0 30
<b>Gasoline</b> .....	0 19 0 20
<b>Silver Star</b> .....	0 14 0 15



# John Mackintosh, Ltd.,

"THE TOFFEE MILLS."

HALIFAX, ENGLAND.

## Mackintosh's Extra TOFFEE Cream

HAS THE LARGES SALE IN THE WORLD.

Special price to Canadians under the New Tariff . . . . . Agents wanted through Canada, apply at once to the Makers

JOHN MACKINTOSH, LTD.,

HALIFAX, ENGLAND



ISN'T IT DELICIOUS?  
It's Mackintosh's Extra Cream Toffee"

"The Toffee Mills."

MONTREAL WHOLESALE PRICE CURRENT THURSDAY, JANUARY 30, 1902.

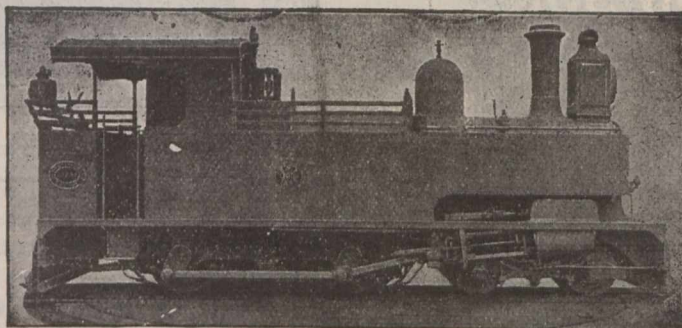
Name of Article.	Wholesale.	
	\$ c.	3 c.
Imperial Acme.....	0 16	0 17
American W. W.....	0 18	0 19
Astral.....	0 19	0 20
<b>Glass.</b>		
United inches, 00 to 25.....	0 00	2 10
do 26 to 40.....	0 00	2 20
do 41 to 50.....	0 00	4 70
do 51 to 60.....	0 00	4 95
<b>Paints, &amp;c.</b>		
Lead pure 50 to 100 lb. ags.....	0 00	5 87½
do No. 1.....	0 00	5 50
do No. 2.....	0 00	5 12½
do No. 3.....	0 06	4 75
do No. 4.....	0 00	4 62½
White Lead dry.....	5 50	5 50
Red Lead.....	1 75	2 00
Venetian Red Eng'h.....	1 50	3 25
Yel. Ochre, French.....	0 45	0 50
Whiting, ordinary.....	0 60	0 70
do Gilders.....	0 85	1 00
do Paris, do.....	2 25	2 35
English Cement, cask.....	1 70	1 95
Belgian do.....	2 30	2 50
German do.....	2 25	2 50
American do.....	16 00	23 00
Fire Bricks per 1000.....	1 50	1 75
Fire Clay.....	2 75	4 50
Rosin.....		
<b>Glue:-</b>		
Domestic Broken Sheet.....	0 13	0 15
French Casks.....	0 11½	0 13
do brls.....	0 00	0 14
American White, brls.....	0 16	0 20
Coopers' Glue.....	0 20	0 25
Golden Ochre.....	0 04	0 04
Brunswick Green.....	0 12	0 16
French Imperial Green.....	0 90	0 95
Genuine Quicksilver.....	0 65	0 70
No. 1 Furnit'e Varn'h, pr. gl.....	0 75	1 00
do do.....	0 60	0 75
Brown Japan.....	0 60	0 75
Black Japan.....	2 00	2 25
Orange Shellac, No. 1.....	2 25	2 75
do do Pure.....	2 75	3 00
White do.....	0 00	2 00
Putty Bulk 100 lb. brl.....	0 18½	0 19½
Parisgreen in drum 1 lb pk.....		
<b>Wool.</b>		
Canadian Washed.....	0 12	0.
North West.....	0 13	0 10
Unwashed.....	0 08	0 00
Fullled, combing.....	0 00	0 00
do super.....	0 00	0 21
do extra.....	0 25	0 33
B. A. Scoured.....	0 16	0 16½
Natal.....	0 13	0 15
Cape, greasy.....	0 11	0 13
Chilian.....	0 16	0 20
Australian greasy.....		

THE

# Hunslet Engine Company,

LEEDS, Eng.

Telegrams: "ENGINE, LEEDS.



Locomotive Tank Engines

of all descriptions and any size, for

Ironworks, Collieries, Contractors, Docks, Manufactories, Branch Railways, &c., &c.

Specially designed for any circumstances, 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.

the total cost estimated at \$10,000,000.

The Corinth Canal, which connects the Gulf of Corinth with the Gulf of Aegina, is 4 miles in length, 26¼ feet in depth, 72 feet wide at the bottom, cost about \$5,000,000, and reduces the sailing distance about 175 miles. The average tolls charged are 18c per ton and 20c per passenger.

The Manchester Ship Canal, which connects Manchester, England, with the Mersey River and Liverpool, was opened in 1894. Its length is 35½ miles, depth 26 feet, width at bottom 120 feet and at the surface 175 feet, and cost \$75,000,000. The commerce on the canal shows a growth from 879,204 tons in 1895 to 1,429,320 tons in 1900.

The Kaiser Wilhelm Canal, which connects the Baltic and North Sea, through Germany, is 61 miles in length, 72 feet wide at the bottom, 190 feet wide at the surface, and cost about \$40,000,000. The number of vessels passing through it has increased from 19,960 in 1897 to 29,095 in 1900, of which number 16,776 were sailing vessels. The tonnage in 1897 was 1,848,458 and in 1900 4,282,094 tons. An additional canal con-

necting the same bodies of water by way of the Elbe and Trave rivers was opened in 1900. Its length is 41 miles, depth about 10 feet, width 72 feet, and cost \$6,000,000.

The great North Holland Canal, which connects Amsterdam with the sea, cut in 1845, but deepened at a later date, has now a depth of 20 feet and a width of 125 feet at the surface. The Caledonian Canal, which connects the Atlantic and North Sea through the north of Scotland, is 17 feet in depth, 50 feet in width at the bottom, 250 miles long, cost \$7,000,000, and is at its highest point 94 feet above sea level. The Canal du Midi, cut through France from Toulouse on the Garonne to Cette on the Mediterranean, a distance of 150 miles, is 6½ feet deep, 60 feet wide, and 600 feet above sea level at its highest point, and has 114 locks; total cost, \$3,500,000.

In America the canals connecting the Great Lakes are the principal ship canals, and are three in number: the Welland Canal, originally constructed in 1833 and enlarged in 1871 and 1900; the Sault Ste. Marie, or St. Mary's

in 1870 to 1,494 in 1875, 2,026 in 1880, 3,389 in 1890, and 3,441 in 1900. The tolls charged are about \$2 per net registered ton.

The Cronstadt and St. Petersburg Canal, which gives a passageway for great vessels to St. Petersburg, is 16 miles long, including the deepening of the bay channel, 20½ feet in depth, and



**"PIONEER"  
GOLDEN FLAKE  
CAVENDISH TOBACCO.**

**MADE IN LIVERPOOL, ENGLAND.**

TRADE PRICE:

1/2 lb. tins.....	\$1.20
1/4 lb. tins.....	\$1.25
1/8 lb. package.....	\$1.80
1-16 lb. package.....	\$1.80
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.

ESTABLISHED 1878.

THOMPSON'S PRINTERS  
**PEARLINE**  
REGISTERED.

**J. R. THOMPSON**

MANUFACTURER OF HIGH CLASS  
**ROLLER COMPOSITION & TYPEWASH**  
ROLLERS *cast on most reasonable terms,*  
A LARGE STOCK OF SUPERIOR  
**LYE BRUSHES** always on hand.

*Send for Price List with the opinions of  
numerous well known firms who have used  
these valuable Compositions & Typewashes  
for over 20 years continuously.*

**WORKS: - HIGH COURT LANE, LEEDS**

England.

River Canal, opened in 1855 and enlarged in 1897, and the Canadian canal at St. Mary's River, opened in 1895. The American and Canadian canals at St. Mary's Falls are practically identical in location dimensions, and are used interchangeably by vessels engaged in commerce, as convenience may dictate. The depth of the canals at the St. Mary's River is sufficient to accommodate vessels drawing 20 feet of water. The American canal was originally constructed by the State of Michigan, but subsequently taken charge of by the United States, and enlarged at a cost of \$2,150,000. The cost of the Welland Canal was about \$30,000,000, largely due to the fact that 25 locks are required in surmounting the rise of 327 feet in the distance of 27 miles.

The number of vessels passing through the canals at St. Mary's river has greatly increased during the past few years, while the number passing through the Welland Canal has materially decreased; the number passing through the St. Mary's canals being in 1873 2,517, and in 1901 20,041, of which

ESTABLISHED 1850. ESTABLISHED 1850.

**JOHN SWAILES & SONS, Ltd.**  
MAKERS OF  
All kinds of Conical and Parallel  
**PAPER TUBES,  
SPOOLS & BOBBINS,**

For Cotton, Silk, Worsted, Woolen, Linen, Flax, Hemp, Jute and Tow Spinners.  
Manufacturers: Yarn Dyers, Winders, Doublers, Thread  
Manufacturers, &c., &c.



PATENT PAPER PERFORATED & SPECIAL TUBES & SPOOLS  
FOR BEADING AND LACE MAKING.

PERFORATED TUBES ON E. JAGGER & Co.'s Patent System.  
CANNETTES, PAPER FIRMS.

Patent Conical and Parallel TUBES and SPOOLS  
FOR LACE MAKING.

**OLDEST MAKERS OF PAPER SPOOLS & BLOCKS**  
FOR LACE MAKING.

**COMPRESSED PAPER BOBBINS OF ALL KINDS**  
FOR MILL PURPOSES.

For Ring, Machine, Intermediate, and Sewing Frames, Winding, Finishing,  
and Spool Drawing Machines, &c. &c. &c.

Special WARPING BOBBINS for Exporting Yarns, Twines, &c.  
PAPER TAP SLEEVES for Brewers, &c. BRASS & WIRE SPINDLE RINGS.

Sole Makers of SWAILES' PATENT TUBING APPARATUS.  
(EITHER PERMANENT OR PORTABLE.)

Which is guaranteed to give the most perfect results in the  
most expeditious manner.

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Oldham Cop Tube Works.  
**MOORHEY, OLDHAM,**  
ENGLAND.

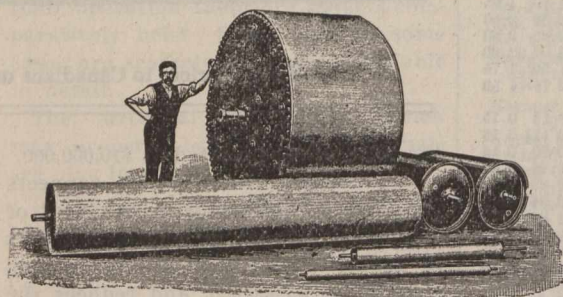
Telegraphic Address:—" DAZZLE, MANCHESTER." A.B.C., Code.  
**Donovan & Co., Ltd.,**

Successors to

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Engineers, Tin and  
Copper Smiths.

Designers of Special  
Machinery.



**Broughton Bridge Iron Works,**  
SALFORD, MANCHESTER. ENGLAND.

**D. & S. Electrical Accessories.**

**CIRCUIT BOXES**

—with—

D. & S. Patent Damper

**BRIDGE FUSES**

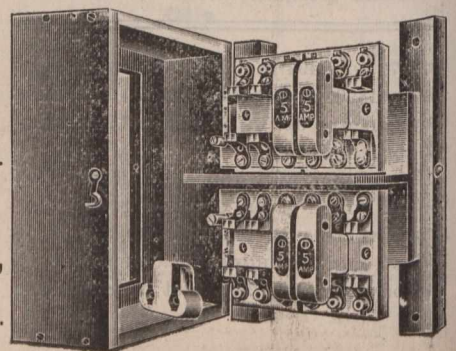
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**Dorman & Smith,**

HEAD OFFICE AND WORKS:

**Ordsal Electrical Works, SALFORD,**  
England.

ALSO: Charing Cross Road, LONDON, W. C., Eng.  
ALSO: 58 Margaret Street, SYDNEY, N.S.W.





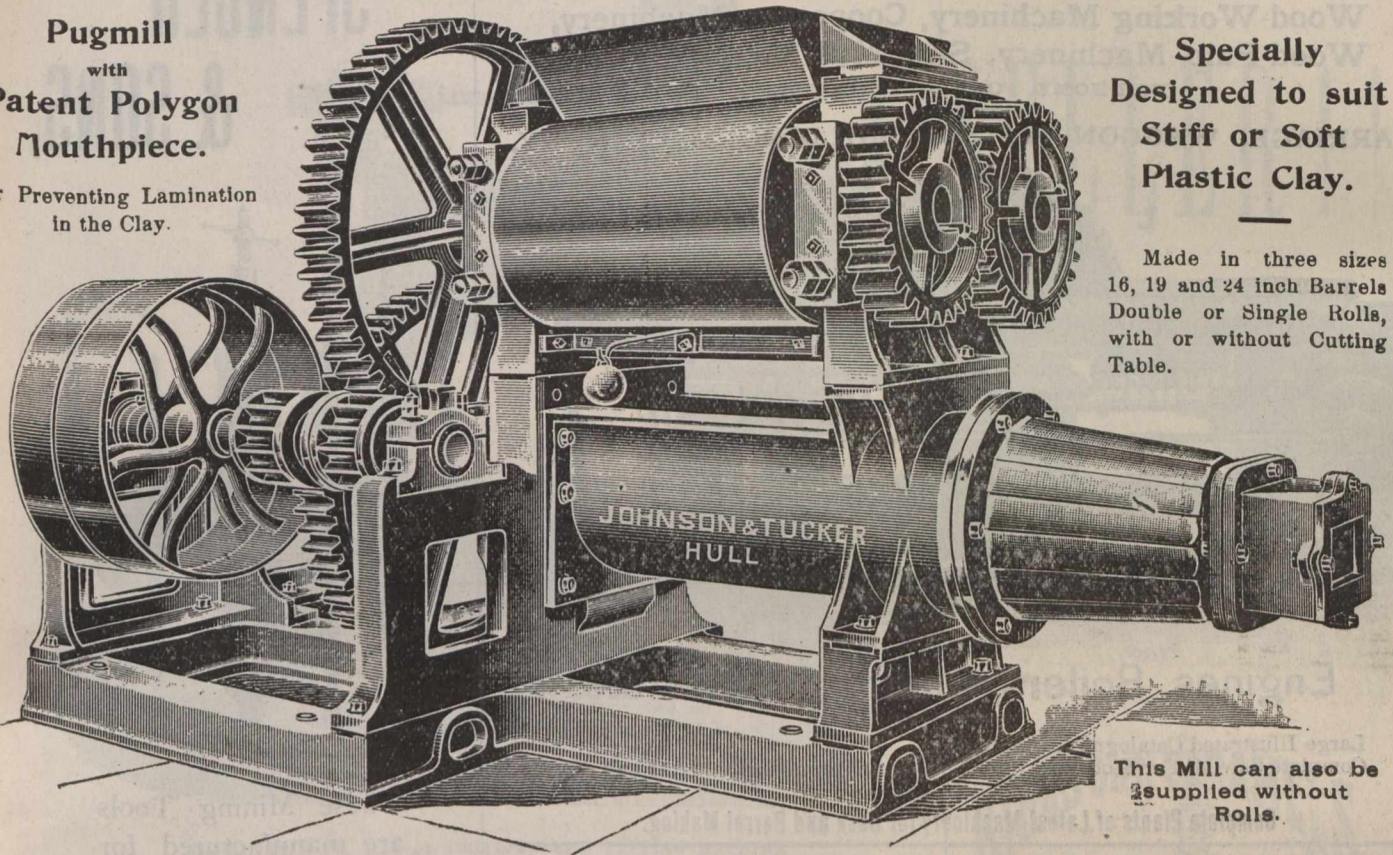
# Johnson & Tucker

Wilmington,  
Hull, England.

(Late SHEPHERD, HILL & Co.,

**Pugmill**  
with  
**Patent Polygon**  
**Mouthpiece.**

For Preventing Lamination  
in the Clay.



**Specially**  
**Designed to suit**  
**Stiff or Soft**  
**Plastic Clay.**

Made in three sizes  
16, 19 and 24 inch Barrels  
Double or Single Rolls,  
with or without Cutting  
Table.

This Mill can also be  
supplied without  
Rolls.

15,837 passed through the United States canal and 4,204 through the Canadian. The number of vessels passing through the Welland Canal has decreased from 6,425 in 1873 to 2,302 in 1890. The marked contrast between the business of the St. Mary's Falls and Welland canals is largely due to the fact that the freights originating in the Lake Superior district are chiefly discharged at Lake Erie ports, and those destined for the Lake Superior region are chiefly produced in the section contiguous to Lake Erie, the Lake Superior freights being chiefly iron, copper and grain, and the Lake Erie freights for Lake Superior, coal and manufactures. The business of the St. Mary's Falls canals by far surpasses in volume that of any other canal of the world, the freight tonnage of the American and Canadian canals combined being, in 1901, 24,626,976 registered tons, while the net tonnage of the Suez canal in 1900 was 9,378,253 tons, and that of the Kaiser Wilhelm Canal 4,282,094 tons.

**Insurance Decisions.**—Construction Favorable to Insured.—On the question of forfeiture of an insurance policy which contains provisions that are inconsistent, or which is so framed as to be fairly open to construction, the view should be adopted, if possible, which will sustain rather than forfeit the contract. *Fred. A. McMaster vs New York Life Insurance Company*, 22 Sup. Ct. Rep. (U.S.) 10.—Custom to Accept Premiums.—The habitual ac-

ceptance of premiums by an insurance company after they are due estops it from enforcing a forfeiture for default in prompt payment. *Modern Woodmen of America vs Tevis et al*, 111 Fed. Rep. (U.S.) 113.—Failure to Keep Water Supply.—The breach of a condition in an application for a fire policy requiring insured to keep barrels of water in the insured mill will not prevent a recovery for a loss occurring at a time when no one was at or near the mill, and it does not appear that failure to keep water in the barrels contributed to the loss. *Delaware Ins. Co. of Philadelphia vs Harris et al*, 74 S. W. Rep. (Tex.) 867.—Gasoline Permit.—An explosion caused by gasoline kept in a retail stove and tin store is not covered by a policy insuring the stock of goods by a written clause including the grant of a privilege to keep a limited quantity of gasoline, where the printed clauses of the policy exclude liability for explosions of any kind unless fire ensues and then cover loss or damage by fire only. *Milton C. Mitchell vs Potomac Insurance Company of Georgetown, D. C.*, 22 Sup. Ct. Rep. (U.S.) 22.—Presumption of Survivorship.—Where a husband and wife die in the same night, as the result of the escape of poisonous gas from a stove in their bedroom, there is no presumption of survivorship. *Southwell et al vs. Gray*, 72 N.Y. Supp. 342.—Reduction of Insurance Guaranty.—The incorporation into an insurance certificate issued by a benevolent association of an existing by-law, whereby members

agree to abide by all the laws then in force, or that might thereafter be enacted, does not authorize the association by a subsequent by-law to reduce the amount of insurance guaranteed by such certificate, after the member has paid premiums for years on the certificate as originally issued. *Gaut et ux., vs Supreme Council A. L. H.*, 64 S. W. Rep. (Tenn) 1070.—Total Loss Defined.—Under Ky. St. section 700, providing that fire insurance companies, in case of "total loss," shall be liable "for the full estimated value of the property insured, as the full value thereof is fixed in the face of the policy," it was proper to instruct the jury that by "total loss" is meant such injury to the insured building "as to destroy its identity and specific character as a building, or such injury or damage to all the parts and materials of said building as to render the same unsafe, or without value, as the same remained after the fire, for the purpose of reconstructing the building substantially as it existed before it was burned. *Thuringia Ins. Co. vs Mallott*, 64 S. W. Rep. (Ky.) 991.—Agency of Officers of Subordinate Lodge.—A beneficiary association cannot escape liability to a member, under a by-law making the officers of subordinate lodges agents of the members, because such subordinate lodge neglected to remit the member's dues, since the subordinate lodge was the association's agent, notwithstanding the by-laws. *Wagner vs Supreme Lodge Knights and Ladies of Honour*, 87 N. W. Rep. (Mich.) 903,



# JOHN PICKLES & SON,

Saw-Mill Engineers and Wood-Working Machinists,

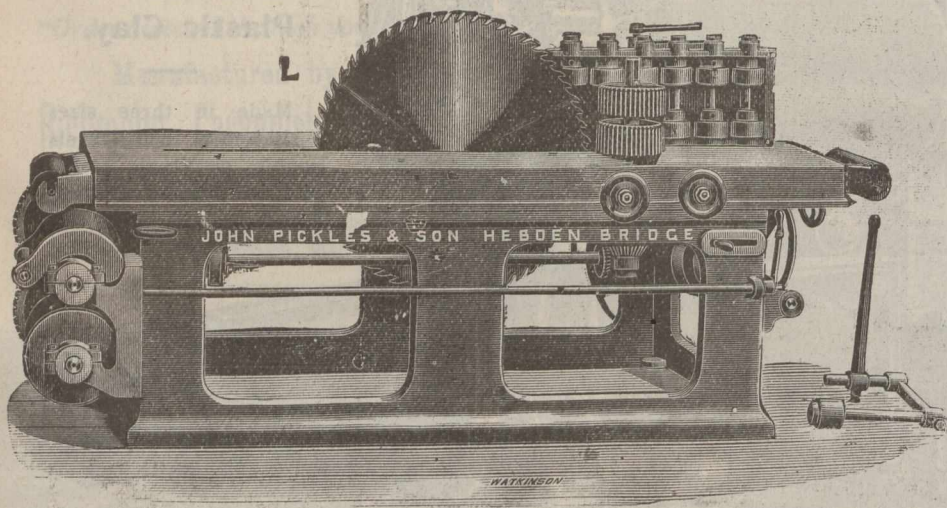
HEBDEN BRIDGE, ENGLAND.

Makers of Every Description of

Wood-Working Machinery, Cooperage Machinery, Wood-Pulp Machinery, Saw Mill Machinery . . .

FOR HOME, FOREIGN and COLONIAL REQUIREMENTS.

CARRIAGE, WAGGON and SHIPBUILDING MACHINERY.



### Engines, Boilers, Shafting, Saws, &c.

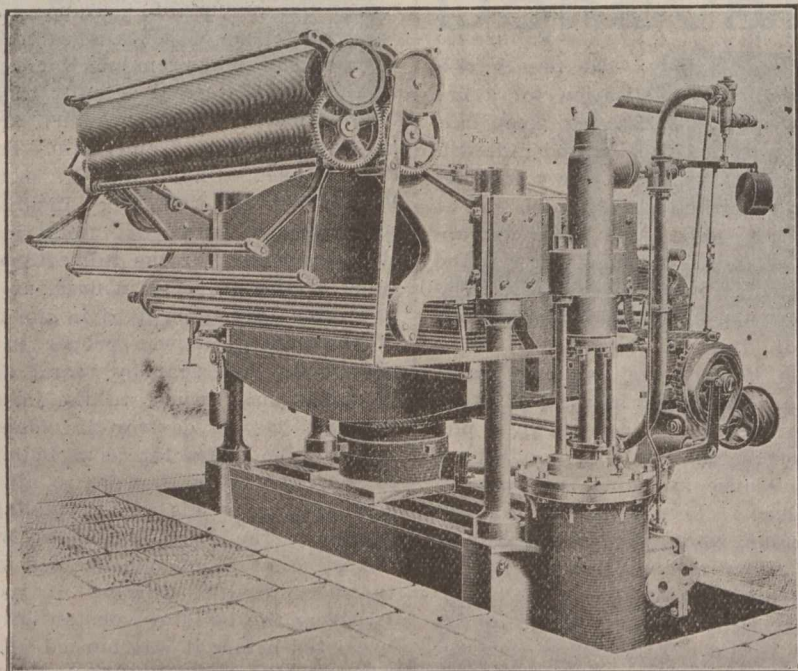
Large Illustrated Catalogue on Application.

Complete Saw Mill or Woodworking Plants quoted for and supplied to any country.

Complete Plants of Latest Machinery for Cask and Barrel Making.

By H. M. NUSSEYS & LEACHMAN'S PATENT PRIZE MEDAL  
Royal Letters Patent.

## Pressing and Tentering Machines.



MAKERS **W. B. LEACHMAN & CO..**

EXCEL WORKS,

Great Wilson Street,

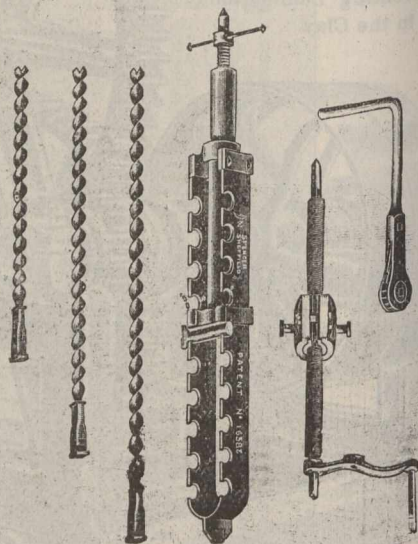
LEEDS, ENGLAND.

PEACH BASKETS TO GO.

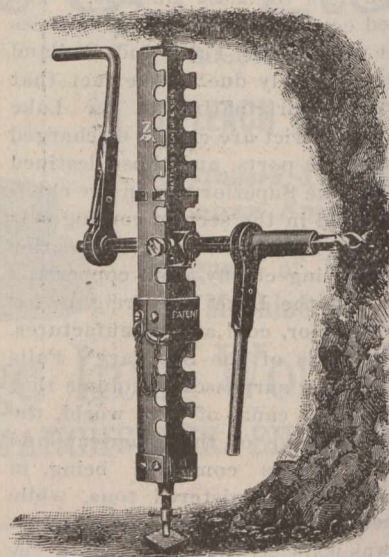
The old five-eighths peach basket used by fruit growers of the peninsula for nearly half a century, says a Ber-

lin, Maryland, letter, was practically abolished recently by the action of the Peninsular Horticultural Society. At the same time the farmers made peace with the Pennsylvania Rail-

# MATTHIAS, SPENCER & SONS,



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



Ratchet Handle charged extra. 1

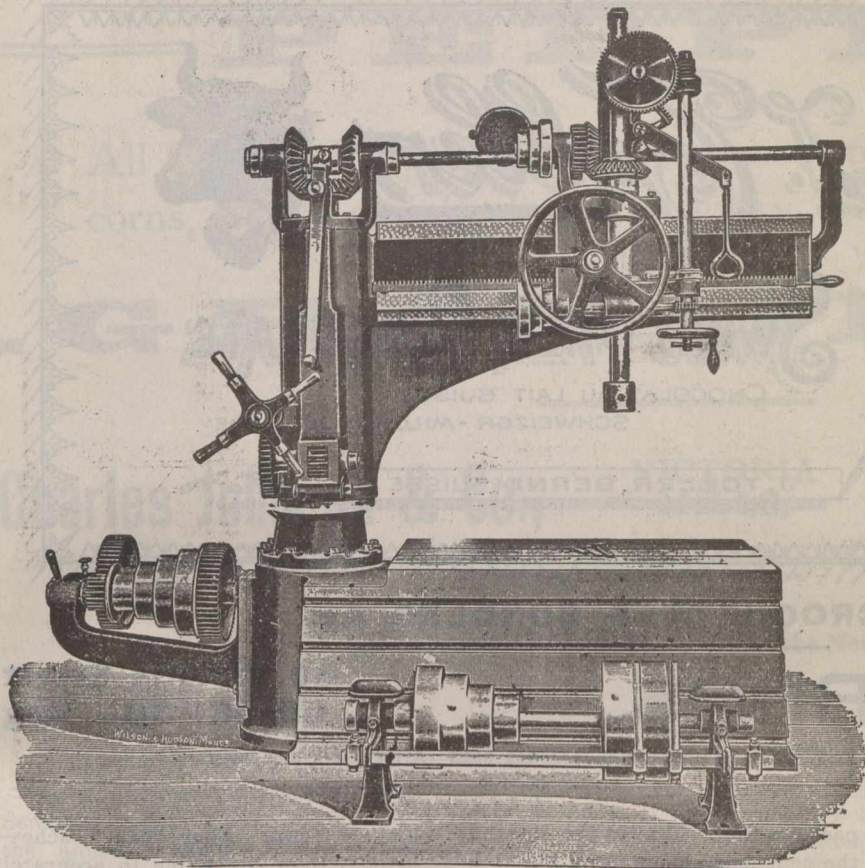
Albion  
Steel  
Works,

## SHEFFIELD, ENGLAND.



# GEORGE SWIFT,

Claremont Iron Works, HALIFAX, ENGLAND.



IMPROVED 5-FT. RADIAL DRILLING AND TAPPING MACHINE

Machine Tools of every Description. Drilling Machines — A — Speciality.

# A BIG SELLER!!!

Everyone in the Trade should stock them.



## KING'S OWN CARAMELS



STOCKS AND BONDS—INSURANCE COMPANIES—CANADIAN.—Montreal Quotations Jan. 7, 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.	250	\$50	99½
Canada Life.....	2,500	5-6mos.	400	50	....
Confederation Life.....	10,000	7½ 6mos.	100	10	....
Western Assurance.....	25,000	5-6mos.	40	20	98½
Guarantee Co. of North America.....	13,372	6	50	50	....

BRITISH AND FOREIGN.—Quotations on the London Market, Dec. 25, 1901. Market value p. p'd up sh.

Alliance Assur.....	250,000	8s. p.s.	20	2 1-5	9½	10
Atlas.....	24,000	24 p.s.	50	6	27	228
British and Foreign Marine.....	67,000	25	20	4	18½	19½
Caledonian.....	21,500	12s. p.s.	25	5	44	36 7-1
Commercial U. Fire, Life and Marine.....	50,000	27½	50	5	44	45
Guardian Fire and Life.....	200,000	9	10	5	2½	9½
Imperial Fire.....	60,000	25	20	5	27	28
Lancashire Fire.....	136,493	5	20	2	3½	3½
Lion Fire.....	100,000	3	2½	1½	5	5
London and Lancashire Fire.....	35,100	22	25	2½	17½	18
London Assurance Corporation.....	35,862	20	25	12½	51½	52½
London & Lancashire Life.....	10,000	10	10	2	8	8½
Liv. & Lon. & Globe Fire and Life.....	391,752	90	St.	2	44	45 1
Northern Fire and Life.....	30,000	*22½	100	10	72	74
North Brit. & Merc. Fire and Life.....	110,000	30s. p.s.	25	6½	36	37
Norwich Union Fire.....	11,000	*33½	100	12	102	105
Phoenix Fire.....	53,776	25	50	5	36	37
Royal Insurance Fire and Life.....	125,234	58½	20	20	48½	49½
Sun Fire.....	240,000	8s 6d p. s.	10	10	10	10½
Union.....	45,000	12 p.s.	10	4	12	14

\*Excluding periodical cash bonus.

road, and for the first time in years will work in harmony with the railroad. The abolition of the peach basket is to secure cheaper, safer shipment.

During the session Charles E. Kingston, freight agent for the Philadelphia, Wilmington & Baltimore Railroad, read a paper before the society on "Transportation and Marketing of Perishable Products," and immediate-

ly afterward the following resolution, offered by A. N. Brown, the president-elect of the society, was adopted:

Whereas, The five-eighths basket in which the peaches of this Peninsula have been chiefly marketed necessitates a specially fitted car, and imposes many difficulties upon transportation lines to furnish facilities, impedes the movement and delivery of the fruit, all of which is a severe tax



Manufactured  
Solely by  
The

## Lancashire Steam Confectionery Co.,

LIVERPOOL,  
England.

Special prices to Canadians under the new tariff.



# MILK CHOCOLATE.

**GOLD MEDAL.**—Highest Award at the GERMAN CONFECTIONERS' EXHIBITION, MANNHEIM (first time Exhibited)



Also in **CROQUETTES, BUNDLES, &c.**

## MACLURE BROS.,

60 Victoria Street  
LIVERPOOL, Eng.

Cable and Telegraphic Address:—"BUSINESS, LIVERPOOL." Codes used—A.B.C., A.I. and Western Union.

upon the producers of this Peninsula, and,

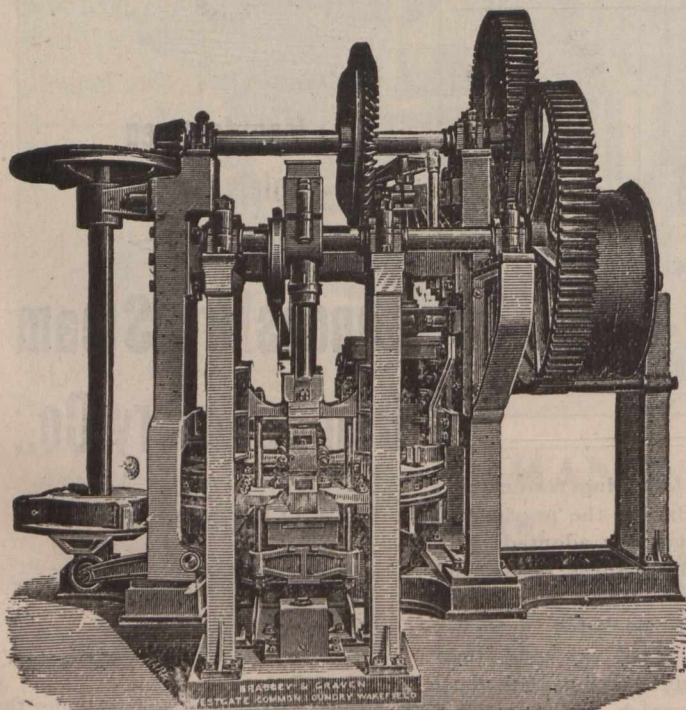
Whereas, The experience of the leading producers of this country and the demand of receivers and consumers clearly demonstrate that there are more modern and approved packages in which peaches can be marketed, meeting all the demands of the market and greatly enhancing the value of the product, beside overcoming the difficulties cited in the matter of transportation; be it

Resolved, That it is the sense of this society that peach growers upon this Peninsula should accept some cover-

ed package that will meet the demands of the consumer, bring more favorable returns to the producer and relieve him of the extra cost consequent to the shipment of peaches in open packages that require the special provisions herein indicated.

Mr. Kingston, in his address, said: "During the past season there were 627 Philadelphia, Wilmington & Baltimore ventilated cars equipped with shelving, and the cost of so equipping these cars was in excess of \$25 per car, or a total cost of nearly \$16,000. This does not include what cars might have earned had they been available

for shipments other than peaches—in fact, it is impossible to accurately figure the cost to the railroad company. Since the establishment of air brakes on freight trains and fast schedules, the uncovered top-heavy basket is about the poorest package that can be used for transportation of perishable freight, owing to its liability to upsetting, thereby damaging the fruit. A package similar to the Georgia carrier is the ideal package for shipments of peaches, as they can be easily handled and stowed, and with much less expense to both shippers and railroad company."



Craven's Patent Brick Moulding and Dressing Machines.

## BRICK MACHINERY

For Working all kinds of Clay.

The stiff or semi-plastic system of Brick-making for producing a dense plastic pressed brick ready for immediate removal to the kiln was invented by us 28 years ago, and it is most successfully working in nearly all parts of the world.

**Double the Strength of any other  
Machines in the Market.**

Brick plants for producing the best plastic-pressed facing bricks on the most economical system. Awarded Three Highest Medals at Adelaide Exhibition, and the ONLY Gold Medal for Brick Machinery at the Melbourne Exhibition. 1888-9.

**Bradley & Craven,**  
LIMITED

Westgate Common Foundry, WAKEFIELD, Eng.

Manufactured for the Canadian Market, under the new Preferential Tariff, 33 1/4 per cent. in favor of English Goods.



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.

Special Prices to Canadians under the New Tariff

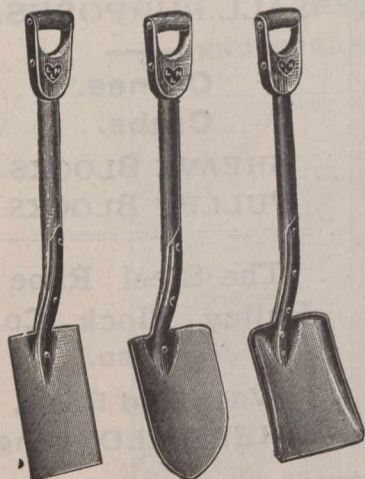
FARMERS' WIVES IN KANSAS.  
One having access to the Kansas newspapers cannot have failed to note the unusual number of marriages

which have taken place during the recent holiday season. It has been said that the office of the probate judge contains the barometer of material

conditions in every county. What we know for sure, says a Kansas paper, is that young folks usually consult pocket books in making arrangements

TELEGRAMS: "LEEDHAM," LEEDS, ENG.

(Established at Kirkstall Forge, nr. Leeds, 1779).



## LEEDHAM & HEATON, Ltd.,

Armley Road Works,

LEEDS, ENGLAND.

MANUFACTURERS OF

Spades, Shovels, Hammers, Picks, Wedges, Etc.



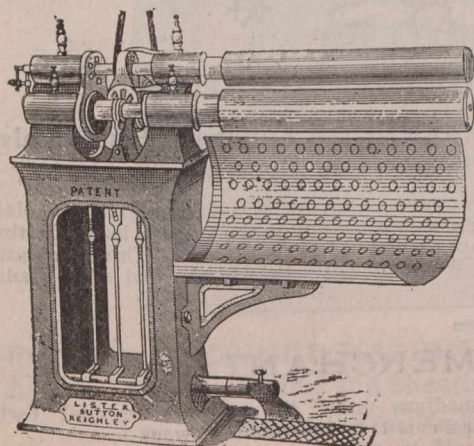
REGISTERED

List of Prices on Application, Special Terms.

High Class Modern

## LAUNDRY MACHINERY,

Hand or Steam Power.

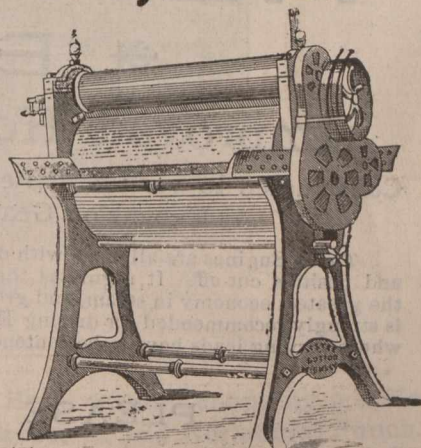


James Lister & Co.,

LAUNDRY ENGINEERS,

Lister Hill Works, SUTTON,

Near Keighley, ENG.



COLLAR AND CUFF IRONING OR POLISHING MACHINE. Made in sizes 12 to 30 inch rolls.

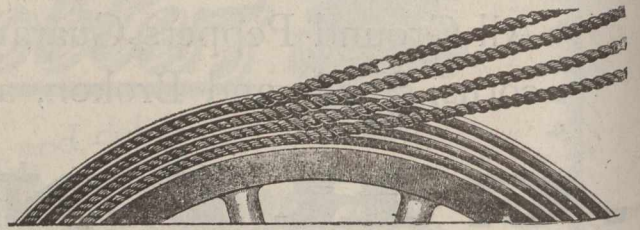
PATENT SKIRT AND BODY IRONING MACHINE. (Laundry Machinery under the New Tariff.)



# HANSON, SCOTT & CO., Ltd.,

STOCKPORT, ENGLAND.

## Cotton Driving Ropes.



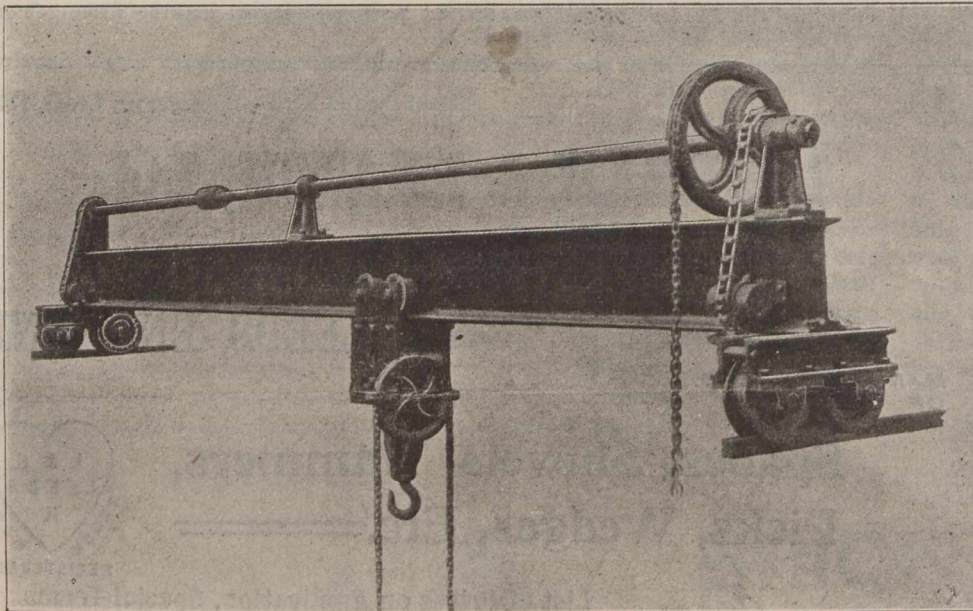
for marriage, and that in good times these matings are much more frequent.

Those who have gone a little deeper into the subject than a mere mathematical calculation must also have noticed a great difference in those friendly little notices given by the newspapers, particularly where the bride and bridegroom have come from farmer families. Twenty years ago a marriage notice of a farmer couple in Kan-

sas would, nine times out of ten, have mentioned approvingly that the bride was a master hand at butter, or that she was one of the most successful raisers of poultry in the township, or that "she possessed those habits of industry, which so peculiarly fitted her to be a farmer's wife." Now an equal proportion of such notices will recite that the bride is a fine musician, that she is a graduate of such and such an institution; that she won a prize in

elocution, or that she was noted among her associates for proficiency in some of the arts.

And the difference in these notices makes the vast gulf which has opened between the past and the present with respect to farm life, no doubt to the uneasiness of those who fear that the rugged industry once considered essential in successful agriculture has taken its departure. Yet there are those on the other side who cheerful-



## Lifting Tackle

FOR  
ALL PURPOSES.

Cranes.  
Crabs.

SHEAVE BLOCKS.  
PULLEY BLOCKS.

The Steel Rope  
Pulley-Block Co.,  
LIMITED.

Washford Road,  
SHEFFIELD, 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 under 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, Brickworks, and other trades where varying loads have to be contended with.

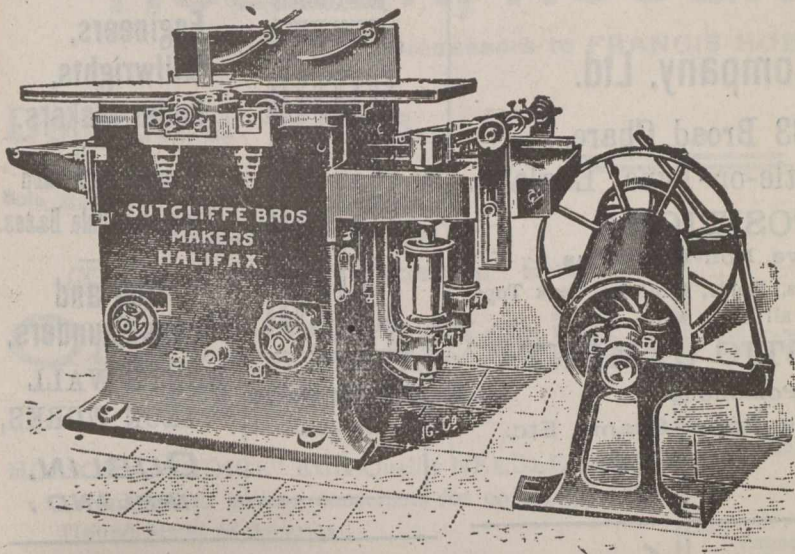
PLEASE INDENT THROUGH MERCHANTS.

Telegrams: "LEES, HOLLINWOOD."

Special estimates to Canadians under the new Preferential Tariff (Cut and description will be inserted next week.)



**SUTCLIFFE BROS., Wood Working Machine Makers, Causeway, Halifax, Yorks, Eng.,**



Combined 3-Sided and Planing out of Twist Machine.

This is the most useful machine that a Joiner or Builder can have. It will plane wood perfectly true on the top tables, or will rabbet, bevel, chamfer, or stop chamfer, or plane a perfect glue joint, and on the bottom table will plane wood, self-feeding underneath the cutters, any thickness from 1-16 in. to 8 in. on all three sides at once or separately; or will work nearly every kind of moulding, or tongue and groove boards, to the full width of the machine. It is specially adapted for **DOORS** or any other work which requires planing accurately; one face of the wood is planed true on the top tables, then placed face downwards on the bottom table, and planed on the other three sides, absolutely true and square. The rate of feed can be altered from 10, 17 to 24 feet per minute, and a cut  $\frac{3}{8}$  in. deep may be taken off without any slipping of the feed motion. The horizontal spindle is all in one piece of forged steel, and runs in long bearings of the best anti-friction metal. It is fitted with **THREE KNIVES** fixed on the twist to give a shearing cut. The upright spindles are of forged steel, and are adjustable across the width of the machine: Countershaft included with machine, and knives on all spindles ready for work. This machine will do more work per hour, and better work, than 20 good men.

Special prices to Canadians under the new Tariff.

ly accept the belief that a woman who can play the piano may be quite as much of a helpmate to the farmer as the woman who can play only on the

washboard. The fact is that modern methods, particularly modern machinery, have revolutionized the business of agriculture, and it no longer requires

the man killing, getting-up-at-three-o'clock-in-the-morning industry which formerly was the price of success. And this revolution has come as much to

ESTABLISHED 1851.

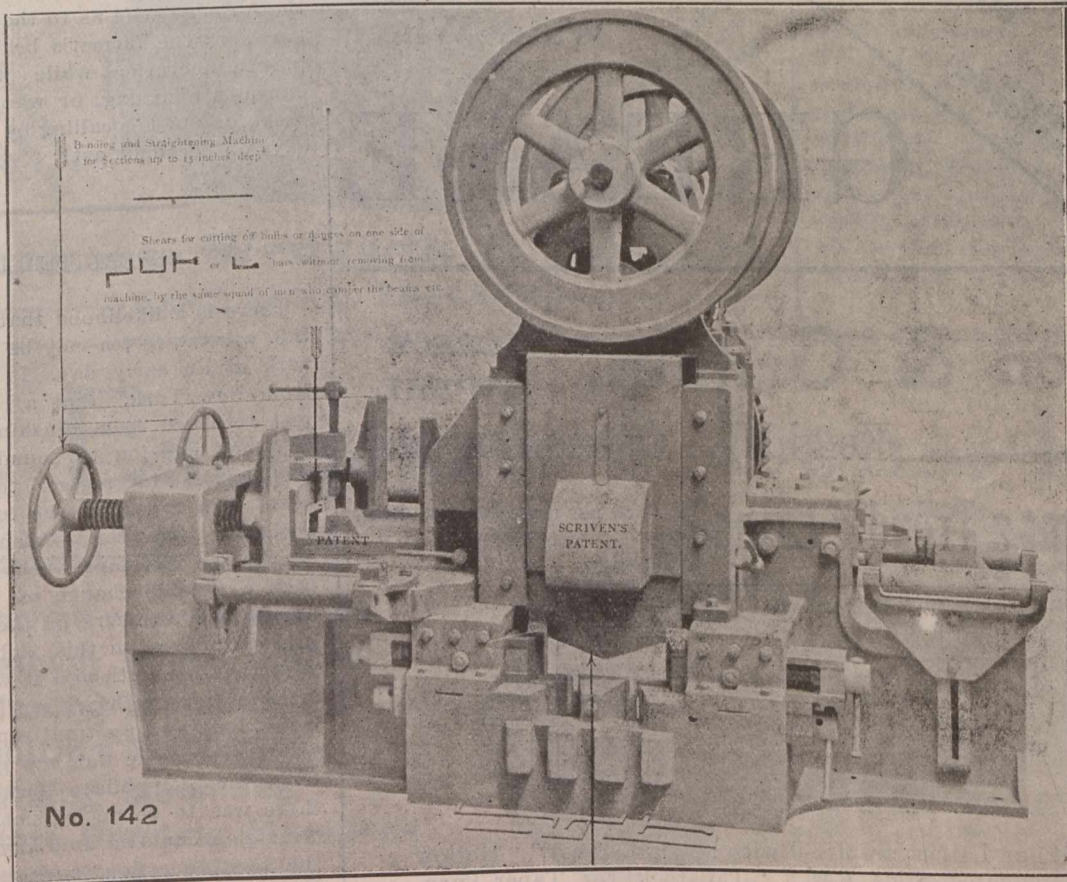
Tel. Address: "SCRIVEN, LEEDS."

**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,



# ODIC COMPOSITIONS

MANUFACTURERS:

**Odic Plastic Composition Company, Ltd.**

33 Broad Chare,

Tel. Add.: "Odic," Newcastle-on-Tyne.

Newcastle-on-Tyne, England.



## "ODIC COMPOSITION"

Non-Explosive, Non-Poisonous.

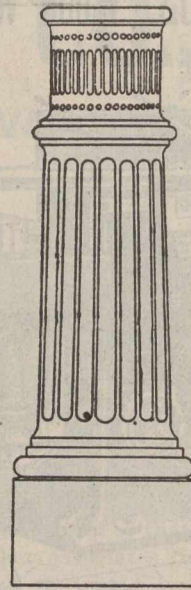
For Steel or Iron Decks, Holds, Bunkers, Tank Tops, Inside of Tanks, and all inside work.

## "ODIC" PLASTIC CEMENT

Non-Poisonous.

For Steam Joints, Boiler Seams, Etc.

AGENTS WANTED IN CANADA.



## ROSS & WALPOLE

Limited.

Engineers,  
Millwrights,  
Boiler-Makers.

Electric Light and  
Tramway Pole Bases.

Iron and  
Brass Founders,  
NORTH WALL  
IRON WORKS,  
**DUBLIN,**  
IRELAND;

# OIL Lubricating Burning

In Casks. Barrels  
or Drums.

Specially Prepared  
for Export.

**JAMES LIGHT & SON, LIMITED**  
LIADCO WORKS and 9 Rumford St.,  
**LIVERPOOL, England.**

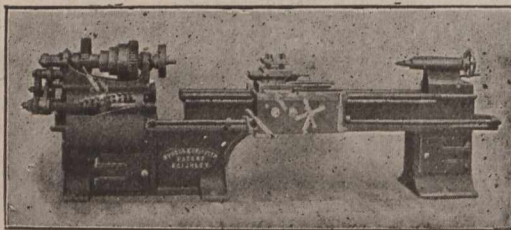
Cables to  
"LIGHTHOUSE."

Cog,  
Locomotive,  
Antifriction,  
Water-Wheel,

# GREASE

**Hudson & Griffith,** FLEECE STREET,  
Keighley, Yorks, England.

Do you want a Treadle Lathe? Ours has more Improvements than any other.



Note that all our Lathes are fitted with: "Ball Trust," "Hollow Spindle," "Graduated Slide Rest," "Tailstock for Taper-Turning," "Highest-class Workmanship," "Best Material." Our Patent Treble Gearing stands alone; three times the power with less work. Write for Illustrations and be convinced.

Special Terms to Canadians under the New Tariff.

MANTELS,  
TILES,  
MOSAICS,

TRANSOM  
and PAVEMENT  
PRISMS.

## WEBSTER BROS. & PARKES,

228 ST. JAMES ST.,

MONTREAL, Que.

the farmer's wife as to the farmer. So here's to the farmer's bride who can play a nocturne while the electric churn is churning, or who varies the monotony of her calling by writing essays on decadent art!

### MAY REPEAL TEA DUTY.

There is a likelihood that the heavy U.S. war tax in tea may be done away with at an early day. It is learned from New York, that a gentleman, just returned from Washington, who has had occasion to sound members of Congress in regard to the prospects of a repeal of the tea duty, is authority for the statement that during the last four weeks there has been a notable change of sentiment among the members of the majority in both houses on this subject. He says that a month ago it was impossible to secure a hearing of any arguments looking to a total repeal of the war taxes. The fiat had gone forth from the Republican leaders that there was to be no legislation whose discussion could in any way bring up the tariff question, and that, therefore, the tea duty must stand. There was virtually no Democratic sentiment in favor of its repeal, because, as a purely revenue duty, the tax on tea is in accord with Democra-



Established upwards of 100 Years.

New York Office and Warehouse.

# HOBSON, HOUGHTON & CO.,

Successors to FRANCIS HOBSON & SON.

Don Steel Works,

Sheffield, Eng.

Sole Manufacturers of

HOBSON'S "CHOICE"  
(XX) Extra Best & "Warranted" Best

## Cast Steels,

FOR TOOLS, &c., &c.

HOBSON'S "CHOICE" Extra Quality NEEDLE WIRE,  
as supplied to leading consumers for 90 years, in the  
United States of America.

Specialty for Machine or Hand Drilling.

## Steel Forgings And Castings.

Horse Rasps, Files, Etc

Sole Manufacturers of

"SOHO" Special Self-Hardening Steel,  
Best and Cheapest on the Market.

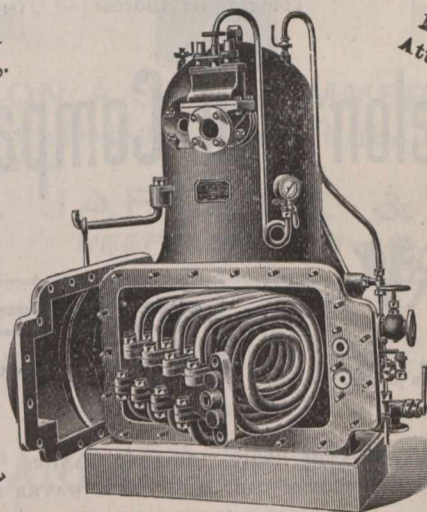
Canadians have 33 $\frac{1}{3}$  p.c. in their favour, by purchasing these  
English goods from us, under the new Canadian Preferential  
Tariff.

## Morison's Radial Evaporator

Fitted in upwards of  
2,000 STEAMSHIPS.

Minimum of Labour and  
Attention required at sea.

General-Handiness and  
Facilities for cleaning  
UNSURPASSED.



Strong in construction,  
Simple in design and  
Efficient in working.

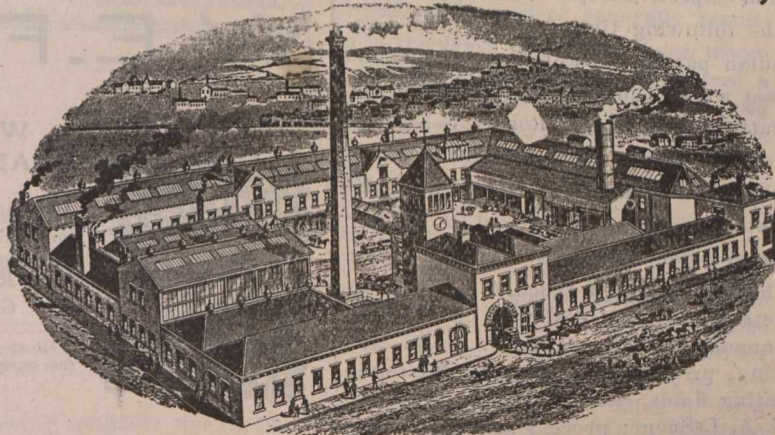
Richardsons, Westgarth & Co., Ltd.,  
HARTLEPOOL, ENGLAND

tic principles. Thus the outlook for the friends of repeal seemed hopeless enough, but now a most noticeable change has taken place. The revenue situation imperatively demands action; the sentiment of the Middle West in favor of free tea has made itself known with sufficient emphasis; the unpopularity of making concessions in favor of beer, whiskey or tobacco, which are denied to tea is generally admitted, and the petty character of the opposition to repeal, centering in a few brokers and importers in this city, has become generally understood. The mere fact that the Ways and Means Committee in view of the declared opinions of its chairman, has consented to open the question by a public hearing is highly significant, and may fairly be regarded as the prelude to a complete change of front on this question by the Republican leaders both in the House and Senate.

# A. Earnshaw & Sons, Ltd.,

MAKERS OF

Lathes up to 40 inch centres  
Railway Wheel Lathes  
Planing Machines  
Slotting Machines  
Drilling Machines  
Plate Bending Machines  
Plate Edge Planing  
Machines  
and  
Milling Machines

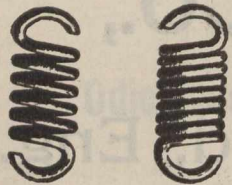


Crown Works, HALIFAX ENG.



Contractors to His Majesty's Government--War Department and Admiralty

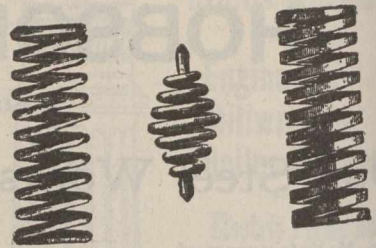
ESTABLISHED 1856.



VALVE SPRINGS.

# Joseph Steel & Sons,

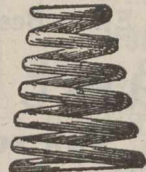
MAKERS OF



VALVE SPRINGS.



## Spiral Springs,

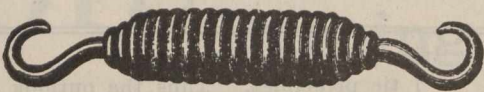


For all Classes of Machinery and Engineering Work.

Harden near BINGLEY, Yorkshire, Eng.

Special terms to Canadians under the new Preferential Tariff

Telegraphic Address, "STEEL, BINGLEY."



Telegraphic Address: "SPIRITS, DUNDEE."

Telegraphic Address: - "CAMELON," FALKIRK.

The Highest Point of Perfection

GEORGE MORTON LTD DUNDEE SCOTLAND

WHOLESALE WHISKY 24 to 31 Dock St., and MERCHANTS DISTILLERS & BLENDEES. 26 to 39 North Lindsay St.

All communications should be addressed to Head Office, Dock St.

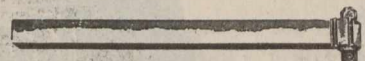
PATENT REPORTS.

Owen N. Evans, solicitor of patents and expert, Temple Building, reports the following United States and Canadian patents granted to Canadians last week: United States: Machine for cutting cork disks, Robert S. Anderson; feed distributor, William B. Campbell; drill chuck, John Lumsden; whiffletree connection, Alfred H. Shuel; paper guide for type writers, A. Swindhurst; baggage truck, C. T. Godard; detachable book cover, G. A. Roedde. Canada—Gas apparatus, J. St. L. McGinn; process and apparatus for separating fluids, rich in oxygen, from air, E. A. LeSueur; process and apparatus for treating air to obtain from it fluids rich in oxygen, E. A. LeSueur;

# The Camelon Iron Company, Ltd.,



Single branch pieces. Double branch pieces.



Square Rain-water Pipe.

HOT WATER GOODS. RAIN WATER GOODS. GRATES. RANGES. HORTICULTURAL, AGRICULTURAL & BUILDERS' CASTINGS. GAS & WATER PIPES, &c.

GENERAL IRONFOUNDERS, Camelon Iron Works, - FALKIRK, SCOTLAND.

THE CAMELON CLOSE FIRE KITCHENERS.

# W. E. Foggin & Co.,

No. 9 by 9 of 17 g.



WIRE WORKERS AND WEAVERS,

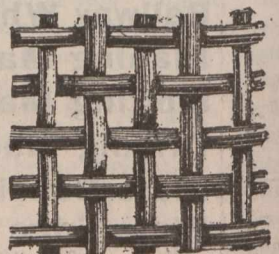
Manufacturers of all kinds of SCREENS for Mining and other purposes . . .

RIDDLES, SIEVES AND GENERAL WIRE WORK.

Illustrated Catalogues and estimates free on application.

ESTABLISHED 1830.

No. 4 by 4 of 11 g.



14 HIGH BRIDGE, Newcastle-on-Tyne, Eng.



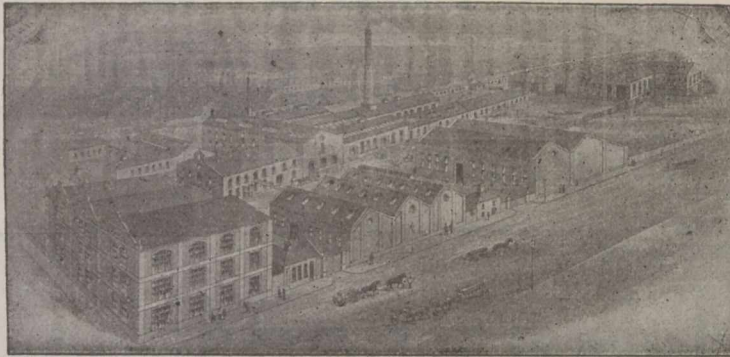
Contractors to the Lords of the Admiralty.

Telegraphic Address: "ROPES, SUNDERLAND."

# CRAVEN & SPEEDING BROTHERS,

Hemp Rope Department.

- Manila Rope, Staple Brand.
- “ “ “Red Star” “
- “ “ “Blue Star” “
- Sisal Rope.
- New Zealand Rope.
- Tarred Russian Hemp Rope
- Boltrope & Boltrope Cordage



Wire Rope Department.

- (COLLIERY SECTION.)
- Special "C" quality Extra Plough Steel Ropes.
- "D" quality Plough Steel Ropes.
- Special "A" quality Patent Improved Steel Wire Ropes.
- "B" quality Patent Improved Steel Wire Ropes.
- Wire Rope Department.
- (SHIPPING SECTION.)
- Special Flexible Steel Wire Hawsers and Ropes.
- Extra Special Flexible Steel Wire Hawsers and Ropes.
- B.B. Galvan'd Wire Rigging

AGENCIES: London, Liverpool, Birmingham, Glasgow, Cardiff, Hull.

FOREIGN AGENCIES: Hamburg, Antwerp.

HEAD OFFICE:

**Sunderland, England.**

SPECIALITY:—Manila Binder Twine "RED STAR" Brand.

## THIS LITTLE TRADE MARK



ON A SAW GUMMER

Is a guarantee that it is the best Tool on the market for Gumming Saws and Light Punching.

**A. B. JARDINE & CO.,**  
HESPELER, ONT.

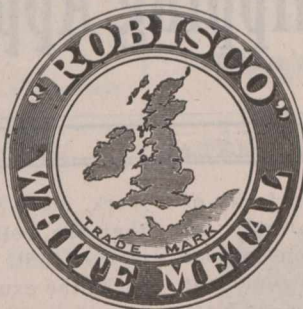
## "Robisco" White Metal,

(REGISTERED.)

THE STANDARD OF PERFECTION.

REGISTERED TRADE MARK.

FOR  
MARINE,  
RAILWAY,  
TRAMWAY,  
MINING,



ROLLING MILLS,  
DYNAMOS  
And  
GENERAL  
MACHINERY  
BEARINGS.

PRICES ON APPLICATION.

... SOLE PROPRIETORS

**Robert Bowran & Co.,** 3 St. Nicholas' Buildings, Newcastle-upon-Tyne, England.

bolt machine, John White; feeding mechanism for soap and other plastic material, J. A. Masecar, et al; feeding mechanism for soap or other plastic material, J. A. Masecar et al; solderless side seams for tin cans and other

metallic vessels, W. Thompson.

—The following complete weekly list of patents granted to Canadians is furnished by Messrs. Fetherstonhaugh & Co., patent solicitors, Canada Life

Building: Canadian: E. Peterson, signal systems; D. Madden and W. A. Thompson, bag holders; D. Madden, bag tyers and fasteners; S. Belmore, potato harvesters and planters; J. A. Hopewell, spike pullers; F. Roger, type furniture; N. N. Morgan, inhalers; R. McLaughlin, bearings for vehicle wheels; C. W. Vernon differential gear; J. W. Mann, plow attachments to cultivators; F. Forsyth, horse taming or training devices. American: W. G. Clements, saw oiler; A. E. Morse, cap; W. Stephenson, scraper for seed drills; C. Werthne, knock down wicker chairs.

### DRUGS OF GREAT COST.

Among the drugs that are worth more than their weight in gold is pseudo physistigmine. In the pharmacists' list it was quoted at \$1 a grain, or \$437.50 an ounce. The seed from which the drug is made grows in India and Brazil, as well as in parts of South Africa. This seed, tradition says, was once used by native chiefs as an ordeal. The ordeal generally resulted in the death of the man upon whom it was tried, and so was considered a great truth finder. The prepared drug is sometimes used now in the prescriptions for the treatment of heart disease.

Another drug that takes the palm for costliness is, curiously enough, the one that is perhaps the most widely known by name of them all to the general public—musk. Its retail price at the present moment is about \$50 an ounce, \$600 a pound potheary, or two and one-half times the value of pure gold, 24 karats fine. It is obtained from the musk deer, a very rare animal, and is contained in a follicle, of which there is only one in each ani-



# Head, Wrightson & Co.

LIMITED.

Stockton-on-Tees,  
England

... Pit Heapsteads ...

PULLEY  
FRAMES

AND

PULLEYS.



SHAKING  
SCREENS,

Travelling

AND

Picking Belts.

**COAL SCREENING & CLEANING PLANTS.**

TIPPLERS,  
ELEVATORS,

Coal Shipping Appliances.

mal, so that an ounce of the drug represents approximately one of these precious animals. As it is largely used for scent, the demand constantly exceeds the supply, and the price has been steadily advancing. There is no reason why it should not go to \$250 or \$500 an ounce during the next few years, as the musk deer is gradually vanishing from the earth.

#### GUM ARABIC PRODUCED BY ANTS

This gum is an exudation from certain species of acacia. For the purpose of obtaining the gum the stem is cut or perforated so that the juice may exude. M. Walter Busse, who has just been investigating the gum production of German East

Africa, tells us that in the majority of cases this necessary perforation is accomplished by ants, without whose labors, therefore, the world could not get its supply of gum arabic—at least with the present ease. M. Busse makes this pertinent statement: — “ Apart from the rare wounds inflicted accidentally by man, animals, storms, etc., all secretion of gum in this country, is provoked by ants. The ants perforate the bark of the acacia to gain admittance into the wood, where they lay their eggs in the excavations, which are sometimes of considerable extent. The acacias with soft wood generally show few wounds of this kind; the hard wood acacias are riddled with them, each perforation being marked with a globule of gum. The ant that thus produces the gum makes no use of it; it is only an obstruction to her

work, since it stops up the galleries that she hollows out. Another species of ant, however, sometimes attacks the exuded gum before it has become completely hardened, and gives it the peculiar appearance well known to collectors.

#### A PUZZLING MENU.

According to the Kansas City Journal, the following strange bill of fare figured at a New Year's dinner:

#### ENTREE.

A Fish and a Rooster's Tail.

#### SOUP.

A Divided Letter. A Rubber Sweetheart.

Pertaining to Regions Underground.

Imitation Reptile.

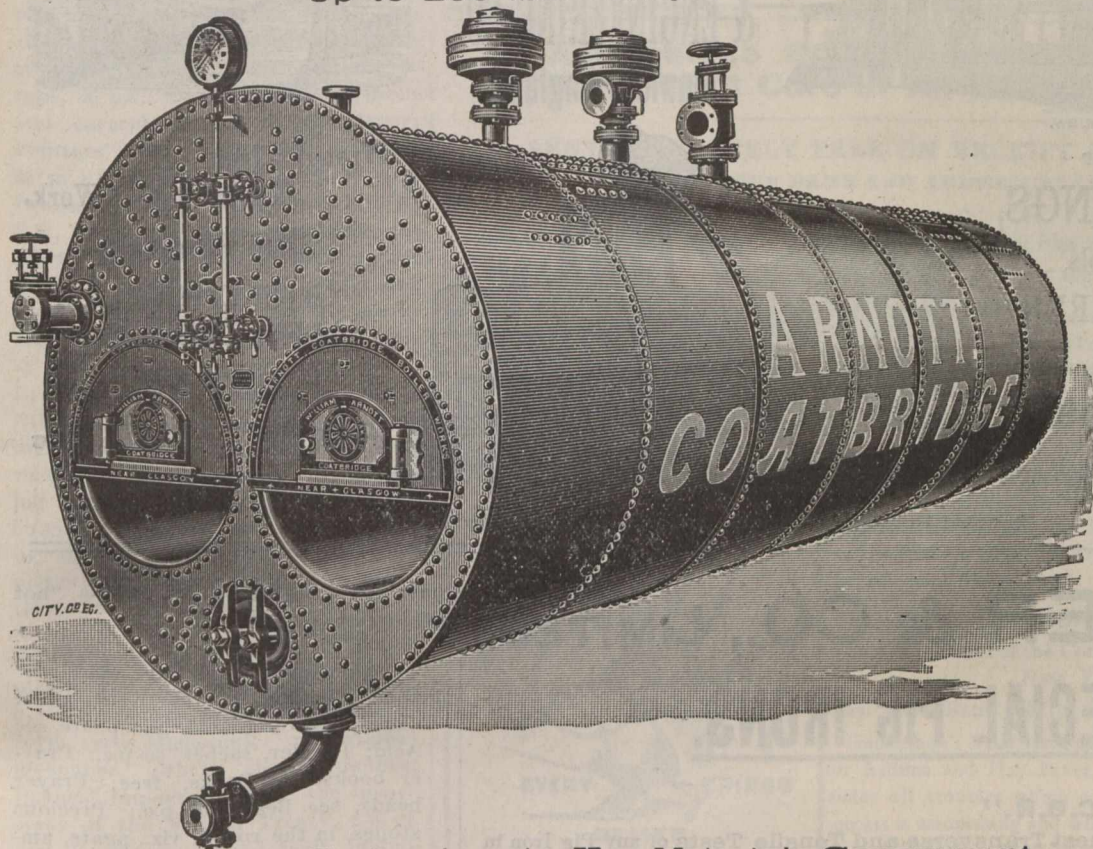


ESTABLISHED 1870.

Telegraphic Address: A.B.C. Code, "BOILERS, COATBRIDGE."

# HIGH-CLASS LANCASHIRE & CORNISH ... BOILERS

Up to 200 lbs. Daily Working Pressure.



Drilling,  
Flanging,  
Welding  
AND  
Rivetting

By most Modern Machinery.

Always a number of

High-class  
**BOILERS**

IN

STOCK

OR IN

PROGRESS.

Productive Capacity —  
Three Boilers per week.  
Crane Powers—30 Tons.

Contractors to Her Majesty's Government.

**WILLIAM ARNOTT & CO.** Coatbridge  
Boiler Works,  
COATBRIDGE, near GLASGOW, Scotland.

**FISH.**

Sheepish Expressions. A Treatment of Ore.  
The Largest Part of Sambo's Feet.  
An Express Label.

**GAME.**

An Injunction to a Lazy Working Man.  
A Darling With a Linen Coat On.  
What We All Like to Go On.  
A Sheeney's Delight. A Universal Crown.  
To Shrink From Danger.  
Portion of a Mountain Range.

**ROAST MEATS.**

A Genial English Author.  
Advice for an Aching Tooth.  
The Country of the Crescent.

Adam's Wife in Her First State.

**BOILED MEATS.**

The Usual Result of Pat's Party.  
One of Noah's Sons.

A Woman's Best Weapon.

**VEGETABLES.**

To Steal Mildly. Complete Upsets.  
What Successful Candidates Will Do This Fall.  
Two Kind of Toes Not Found on Man or Beast.

**RELISHES.**

A Gathered Army.  
Elevated Felines. Comical Performances.  
Ludicrous Situations.

**PUDDINGS.**

Exactly Perpendicular.  
The Mantle of Winter.  
What We Do Not Like to Say to Our Creditors.

**PIES.**

To Walk in an Affected Manner.  
Closely Related to the Rural Reservoir.

**FRUITS.**

The Historian's Delight. Water in Motion.  
Small Shot (Plural), Happy Lovers.

**BEVERAGES.**

The Lover's Address to His Sweetheart.

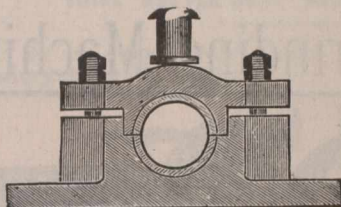
The Traveller's Haven. A Couch of Death.  
Pretended Agony.

## Patent Mica Grease

SAVES 80 TO 90 PER CENT.  
OVER COST OF OIL

Used on all kinds of Machinery and specially adapted for India and hot climates.

TRADE MARK.  
PATENT MICA GREASE



PATENT MICA PACKING  
REGISTERED.

Patent Mica-Cotton Packing.  
Patent Mica-Asbestos Packing.  
Patent Mica-Flax Packing.  
Patent Mica-India-Rubber Packing.

Will stand any degree of Heat and are Self-Lubricating. The advantages of these Packings over ordinary Packings are They do not harden in the Glands. They are more durable. They do not Score the Rods, but put a Mica Surface on them similar in appearance to Electro Plate They are 25 per cent. lighter than ordinary Packings. All kinds of other Packings, I. K. Valves, &c., in stock and made to order.

"MICA" BELTING SYRUP.

The Harbinger Patent Elastic Metallic Packing Is Absolutely the Best and Cheapest.

Sole Proprietors and Manufacturers

The Mica Lubricating Company,

(Registered.)

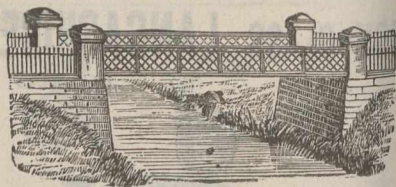
63 King Street, SOUTH SHIELDS, England,





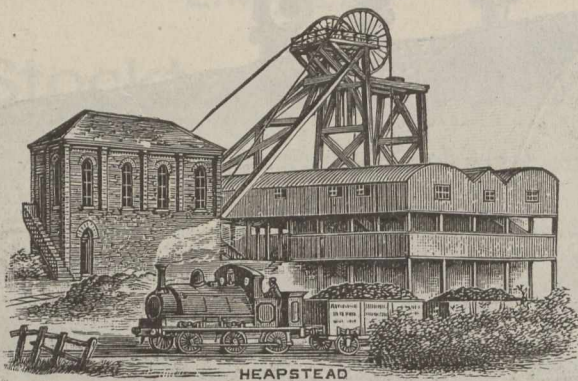
BUNGAL QW.

**THE ALNWICK FOUNDRY  
& ENGINEERING CO.,**  
Alwick, England,



Wrought Iron  
Constructional Work.  
Steel Principals  
**GIRDER..**  
**BRIDGES,**  
CAGES,  
**FENCING, &c**  
COLUMNS.

MANUFACTURERS OF  
**IRON BUILDINGS,**  
Churches, Schools,  
**HOSPITALS, BARNS,**  
**WAREHOUSES,**  
**HEAPSTEADS.**  
Huts, Hay Sheds, Farm Buildings.



HEAPSTEAD

Special Prices to Canadians under the Now Tariff.

**WARNER & CO., LIMITED,**  
Makers of... **SPECIAL PIG IRONS.**

**Brand "WARNER C.E.R."**

Gives the Highest Transverse and Tensile Tests of any Pig Iron in the market. Suitable for Steam and Hydraulic Cylinders, Ohilled Rolls, and all High Class Engineering Castings, also for Best Puddled Bars.

**Brands "H.W." "O.K." "C.P."**

For Malleable Castings The brand "C.P." is the Purest English Pig Iron for Malleable Castings in the market. These three brands are all cast in Small Pigs.

**Brand "ANGLO-SWEDISH C.P." (in slabs)**

This is one of the Purest Irons in the market, and is suitable for mixing with other Irons to improve quality of Castings. It is also suitable for Steel Making.

PIG IRON MADE TO ANY ANALYSIS.

Cargo Fleet, Middlesbrough-on-Tees, - England.

CANADIAN CUSTOMS TARIFF.

The initials N. E. S. represent and

have the meaning of the words "not elsewhere specified."

The initials N. O. P. represent and

have the meaning of the words "not otherwise provided for."

(Continued from Page 483.)

Powder, baking powder, see Yeast Cakes; Powder, acid phosphate, see Acid; Powder, sachet, 30 p.c.; Prayer books, see Books, free; Prayer beads, see Beads, 35 p.c.; Precious stones, in the rough, viz.. agate, amethyst, aqua marine, blood stone, carbuncle, cat's eyes, cameo, coral, cornelian, crystal, crysolite, crosordolite, emerald, garnet, intaglio, inlaid, or encrusted stones, onyx, opal, pearl, ruby, sardonyx, sapphire, topaz, and turquoise, free; Precious stones, diamonds, see item Diamonds, c.; Precious stones, N.E. S., polished, but not set, pierced or otherwise manufactured, or imitation thereof, 10 p.c.; Precipitate of copper, crude, free; Precious stones, set, as jewellery, 30 p.c.; Preparations for toilet, composed of vaseline or petroleum, 35 p.c.; Preparations, toilet, non-alcoholic, N. E. S., 30 p.c.; Preserves, and jellies, and jams, N.E.S., 3/4 cents per lb.; Preservalin, 20 p.c.; Presses, print-

Established 1868.

Telegraphic Address: "BRICK, Leeds."

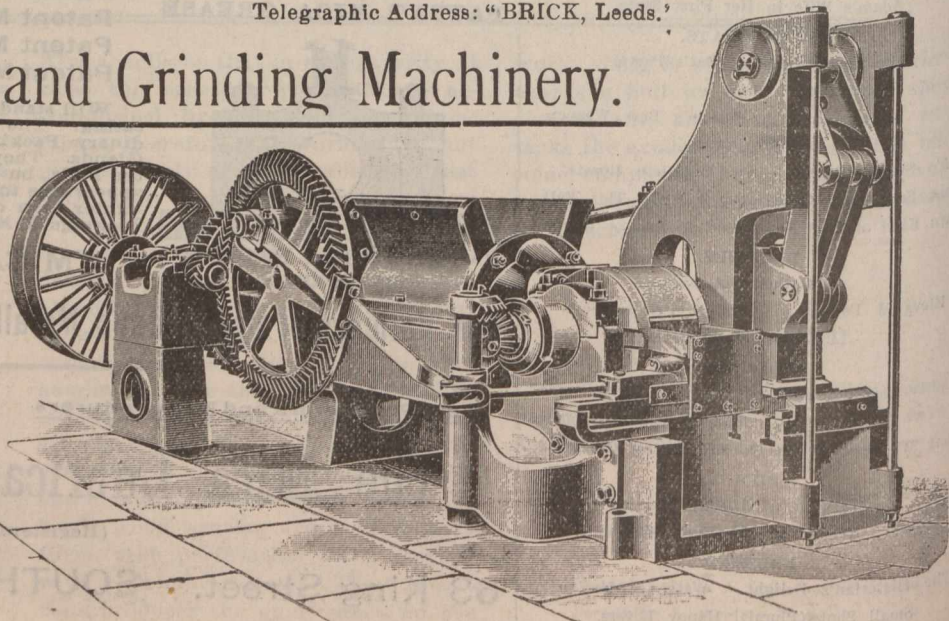
**Brick-Making and Grinding Machinery.**

Manufactured by...

**Richard Scholefield,**  
ENGINEER,

..Burley Vale Mills..

Kirkstall Road,  
LEEDS, Eng.



Patent "ECLIPSE-ALL" Stiff-Plastic, Brick-Making and Pressing Machine, (With Toggle Lever Power Press Combined.)

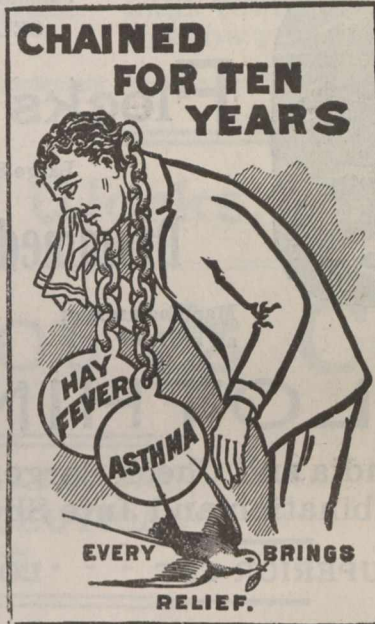


ing, lithographic presses, see Printing Presses; Presses, printing, see item Printing Presses; Presses, hay presses, see Machines; Pressed paper, in sheets, 35 p. c.; Price lists and price books, illustrated, 15 cts. per lb.; Primers and percussion caps, 30 p.c.; Primers for shot, shells and cartridges, see Hemp Paper; Printers' lead, 30 p.c.; Printers' ink, 20 p. c.; Printed billheads, 35 p.c.; Printed or dyed cotton fabrics, N. E.S., 35 p.c.; Printed wrappers, as labels, 35 p.c.; Printed matter, see item Bank Notes and advertising matter, &c., 35 p.c.; Printed music, see Music; Prints, printed cotton, 35 p.c.; Prints, blue prints, 20 p.c.; Printing presses, printing machines, lithographic presses and type-making accessories therefor, folding machines, bookbinders', bookbinding ruling, embossing and paper cutting machines, and parts thereof, 10 p.c.; Prizes, cups and other prizes won in bona fide competition, free; Products of fish from Newfoundland, free; Products of the fisheries, N.E.S., 20 p.c.; Proplastic jackets, surgical belts, 20 p. c.; Proprietary medicines, in liquid form, see Medicines; Proprietary medicines, other, see Medicines; Prunes, imported under the provisions of the French Treaty, 2-3 ct. per lb.; Prunes, dried fruit, including California or silver prunes, 1 cent per lb.; Prune wine, to pay same Spirits, N.E.S.; Prune juice, \$2.40 per gal.; Prunella, free; Pruning shears, 25 p.c.; Prussian, blue, dry color, N.E.S., 20 p.c.; Prussian binding, 35 p. c.; Prussiate of potash, red and yellow, see Potash, free; Puff boxes, dutiable according to material; Pulleys, machine pulleys, 25 p.c.; Pulleys, iron or steel, N.E.S., 30 p.c.; Pulp, mica pulp, 25 p. c.; Pulls and chains, for water closets, see Chains; Pulp, mineral, N.E.S., 20 p.c.; Pulp, wood pulp, 25 p.c.; Pulp of grasses, see Grass; Fulque, see Spirits; Pumice soap, 35 p. c.; Pumice and pumice stone, ground or unground, free; Pumice stone, composition of, 25 p. c.; Pumps, bicycle pumps, 30 p.c.; Pumps, of brass, 30 p.c.; Pumps, N. E.S., 25 p. c.; Puonies, 20 p. c.; Purses, 30 p.c.; Purses, material for, see Frames, etc; Putty, 20 p. c.; Putty, dry, for polishing granite polishing granite and glass, free; Putty palette knives, 30 p.c.; Pyrazole, a chemical, see Medicines;

# Asthma Cure Free!

**Asthmalene Brings Instant Relief and Permanent Cure in All Cases . . . .**

**SENT ABSOLUTELY FREE ON RECEIPT OF POSTAL.  
WRITE YOUR NAME AND ADDRESS PLAINLY.**



There is nothing like Asthmalene. It brings instant relief, even in the worst cases. It cures when all else fails.

The Rev. J. C. F. WELLS, of Villa Ridge, Ill., says: "Your trial bottle of Asthmalene received in good condition. I cannot tell you how thankful I feel for the good derived from it. I was a slave, chained with putrid sore throat and Asthma for ten years. I despaired of ever being cured. I saw your advertisement for the cure of this dreadful and tormenting disease, Asthma, and thought you had overspoken yourselves, but resolved to give it a trial. To my astonishment, the trial acted like a charm. Send me a full-size bottle."

**Rev. Dr. Morris Wechsler,**

Rabbi of the Cong. Bnai Israel.

NEW YORK, Jan. 3, 1901.

DRS. TAFT BROS' MEDICINE CO.,

Gentlemen: Your Asthmalene is an excellent remedy for Asthma and Hay Fever, and its composition alleviates all troubles which combine with Asthma. Its success is astonishing and wonderful.

After having it carefully analyzed, we can state that Asthmalene contains no opium, morphine, chloroform or ether.

Very truly yours,

REV. DR. MORRIS WECHSLER.

AVON SPRINGS, N. Y., Feb. 1, 1901.

DR. TAFT BROS. MEDICINE CO.

Gentlemen: I write this testimonial from a sense of duty, having tested the wonderful effect of your Asthmalene, for the cure of Asthma. My wife has been afflicted with spasmodic asthma for the past 12 years. Having exhausted my own skill as well as many others, I chanced to see your sign upon your windows on 130th street, New York, I at once obtained a bottle of Asthmalene. My wife commenced taking it about the first of November. I very soon noticed a radical improvement. After using one bottle her Asthma has disappeared and she is entirely free from all symptoms. I feel that I can consistently recommend the medicine to all who are afflicted with this distressing disease.

Yours respectfully,

O. D. PHELPS, M.D.

Feb. 5, 1901.

DR. TAFT BROS. MEDICINE CO.

Gentlemen: I was troubled with Asthma for 22 years. I have tried numerous remedies, but they have all failed. I ran across your advertisement and started with a trial bottle. I found relief at once. I have since purchased your full-size bottle, and I am ever grateful. I have family of four children, and for six years was unable to work. I am now in the best of health and am doing business every day. This testimony you can make such use of as you see fit.

Home address, 235 Rivington street.

S. RAPHAEL,

67 East 129th st., New York City.

**TRIAL BOTTLE SENT ABSOLUTELY FREE ON RECEIPT OF POSTAL.**

Do not delay. Write at once, addressing DR. TAFT BROS' MEDICINE CO., 79 East 130th St., N. Y. City.

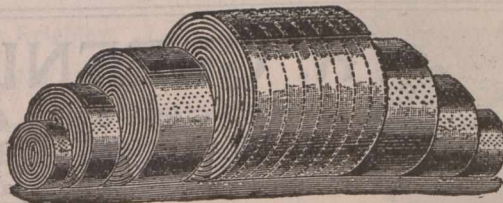
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**FLETCHER & SHAW,** GOVERNMENT & RAILWAY CONTRACTORS,  
Ryburn Leather Works,  
SOWERBY BRIDGE, ENGLAND.

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Manufacturers of every description of

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Laces, Picking Bands,  
Combing Leathers, &c.**



Telephone No.—0980, Halifax.

**Cotton, Hair  
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Special prices to Canadians under the new Canadian tariff.



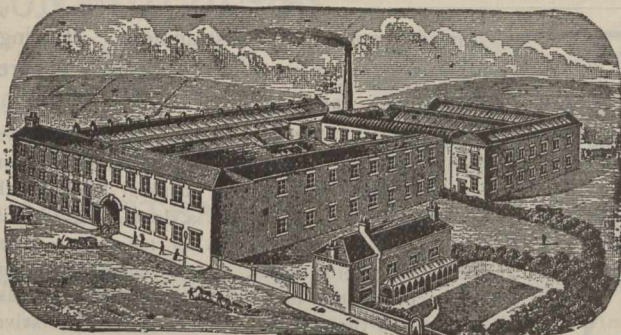
Telegraphic Address: "PURIFIER, BATLEY."

ESTABLISHED 1866

# JOHN ILLINGWORTH & SONS,

Ridings Mills, WHITELEE,  
(And at Garfield Mills).

BATLEY, ENGLAND.



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Patentees and Sole Makers of the  
CELEBRATED PURIFIED

## Flocks and Wools,

Large Stocks of all Descriptions of

## Drummed Wools & Ruggings.

Manufacturers of  
all kinds of . . .

FOR COLLAR MAKERS  
AND BROWN SADDLERS.

# HORSE CLOTHING FOR HOME AND EXPORT

Kersey, Rugging, Tiltings, India and Check Serge. Prince's Check, Linen, Hemp, Navy Canvas, Combination and Jute Sheets of every variety.

**BEST MAKE. SUPERIOR CUT. LOWEST PRICES.**

Waterproof Gig Aprons, Box Cloths, Macintoshes and Oil Cloth Loin Covers. Body Rollers, Surcingles, Knee Caps, Fetlock Boots, Speedy Cut Boots, Saddle Girths, Body Belts, Athletic Belts and Braces. Webs of every description, Collar Checks, Linings, Serges and Collar Cloths. Heads and Reins, Martingales, Breast-plates, Driving Reins, Cruppers and Stirrup Leathers made on the premises, for Home Trade and Export.

**NONE BUT THE TRADE SUPPLIED. PRICES ON APPLICATION.**

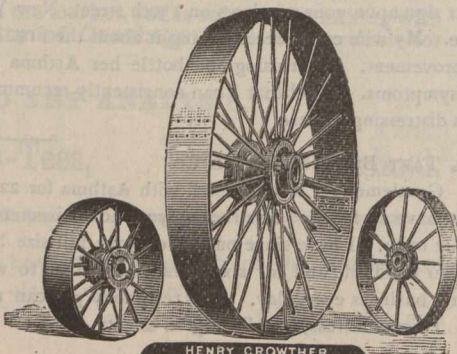
Wrot.-Iron Pulleys.

Bright Steel Shafting.

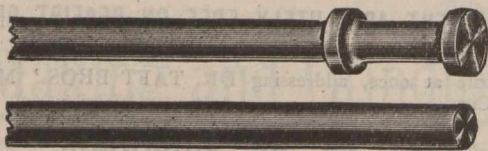
Lists sent Post Free  
on Application.

Telegrams:  
"Crowther, Cleckheaton."  
A B C Code used.

Telephone  
48.



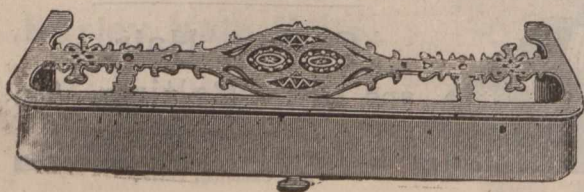
HENRY CROWTHER  
MAKER OF WROUGHT IRON PULLEYS,  
CLECKHEATON, YORKS



**HENRY CROWTHER,** Rolling Mills,  
Cleckheaton,  
YORKS, ENGLAND.

Special Terms to Canadians under the New Tariff.

Pyroxylic spirits, &c., see Spirits;  
Pyrogalic acid, 20 p.c.  
Q—Quails, for improvement of stock,  
free; Quails, other, 20 p.c.; Quartz,  
crystallized or silex, free; Quebra-  
cho, see Dyeing Articles, &c.; Quer-  
citrion, 20 p.c.; Quills, in their na-  
tural state or unplumed, free;  
Quills, other, N.E.S., 20 p.c.; Quilts,  
of cotton or linen, made up or not,  
30 p.c.; Quilts of silk, Quicksilver,  
free; Quinces, green fruits, 25 p.c.;  
Quince trees, of all kinds, 3 cents  
each; Quinine, salt of, free; Quoins,  
see Type.  
R—Racks, music, 30 p.c.; Radiators,  
30 p.c.; Rags, of cotton, linen, jute,  
hemp, and woollen, paper waste  
clippings, and waste of any kind  
except mineral waste, free; Rails,  
see Bars in Steel; Railway rugs,  
travelling, 30 p.c.; Railway cars and  
railway carriages, see Carriages;  
Railway freight rates, 20 p.c.; Rail-  
way scrapers, 30 p.c.; Raisins, dried  
fruits, 1 cent per lb.; Rakes, horse  
rakes, 20 p.c.; Rakes, other, N. E.  
S., 25 p.c.; Rakes, steel for, see  
Hammers in Steel; Rape see, Seed;



**R. GREENLEES & Co.,**

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

Works: 30 East Howard Street.

Illustrated Price Lists on Application.



# AUSTIN & DODSON, LIMITED,

Manufacturers of

## SPRING STEEL

FOR  
COACH, CARRIAGE, CART,  
WAGON and VAN SPRINGS.

Loco SPRING STEEL

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SPRING STEEL SHEETS.

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

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MANUFACTURING  
PHARMACEUTICAL  
CHEMISTS - - -

LABORATORIES, WAREHOUSES & OFFICES:

BARDSLEY VALE MILLS,  
Near Ashton-under-Lyne, Eng.

LONDON WAREHOUSE:

42 Lambs Conduit St., HOLBORN, W.C., Eng.

Rasps and files, 30 p.c.; Raspberries, N.E.S., green fruit, the weight of the package to be included in the weight for duty, 2 cents per lb.; Raspberries, wild, free, Raspberry bushes, 20 p.c.; Raspberry wines, see Wines; Raspberry oil, 20 p.c.; Rate sheets, 20 p.c.; Rattans, see Cane; Rattles, silver and other, as toys, 35 p.c.; Razors, 30 p.c.; Razor strops, made entirely of leather, 25 p.c.; Raw cotton, free; Raw hide rope, 25 p.c.; Raw hide manufactures, other, 25 p.c.; Reaping hooks, steel for, see Hammers in Steel; Receipts, printed, 35 p.c.; Red liquor, a crude acetate of aluminum, prepared from pyroligneous acid, for dyeing and calico printing, free; Red and yellow prussiate of potash, free; Red wood, see Wood; Red wood cut and red wood in chips, free; Red wood, ground, 20 p.c.; Reeds for whips, see Square Reeds; Reeds, in natural state, see Bamboo.

(To be Continued.)

# John Smith,

Crane  
Works,

Keighley, Yorks,

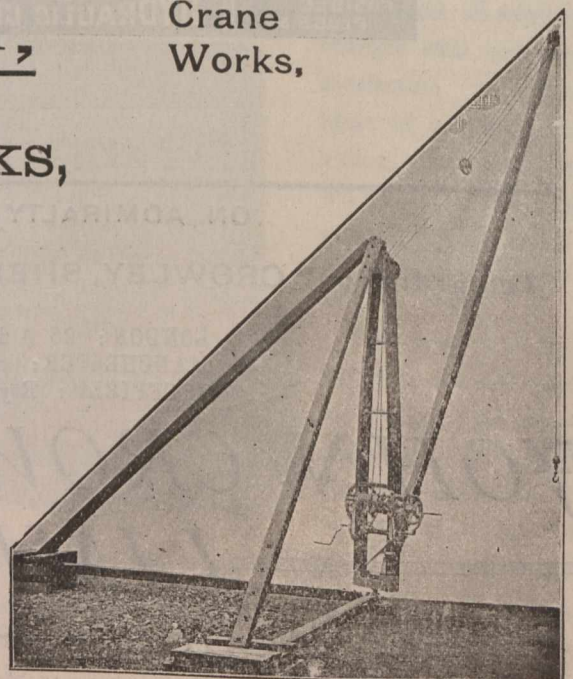
ENGLAND.

SPECIALITIES

Stone Saw Frames  
And Derrick Cranes.

Nat. Telephone, 29 Keighley.

Telegraphic Address: "CRANES, KEIGHLEY."



DERRICK CRANE.

Considerably over 3,000 Cranes & work,

Special prices to Canadians under the New Tariff.



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Sole Maker of  
JOHN HEALD'S Patented  
Doughing and Grinding  
Machine for Waterproofing.



Maker of Mixing,  
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### RIVET MAKING MACHINES

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DRAWINGS & PARTICULARS ON APPLICATION

ALSO  
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### STEEL & IRON RIVETS

TO STAND TESTS OF  
ADMIRALTY, BOARD OF  
TRADE, LLOYDS, INDIA  
OFFICE &c



**WHEEL VALVES**  
SIGHT FEED LUBRICATORS  
WATER GAUGE FITTINGS  
MARINE LUBRICATORS  
FUSIBLE PLUGS &c



**STEAM & HYDRAULIC COCKS**

**HEAVY & LIGHT CASTINGS**  
IN BRASS, GUN METAL,  
PHOSPHOR BRONZE,  
ANTI-FRICTION METALS &c.

VULCAN RIVET & BRASS WORKS  
**SHEFFIELD ENGLAND**

ON ADMIRALTY AND WAR OFFICE LISTS.

Telegrams :—" CROWLEY, SHEFFIELD."

Telephone, No 25.

LONDON : 25 Aldermury House, Watling Street, E.C.  
MANCHESTER : 69 Corporation Street,  
SHEFFIELD : Royal Insurance Buildings, Church Street.

## JOHN CROWLEY & CO., LIMITED.

Meadow Hall Iron Works,

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**WEBSTER'S BLUE-BLACK WRITING INK.**

GOLD MEDAL AWARDED 1886

Name

**DIAMINE**

Registered

Suitable for any Climate. Agents Wanted.

Sold in bottles, all sizes, and per gallon. Also Coloured Inks, Endorsing Inks, Copying Inks, Stylograph Inks, Ruling Inks, Marking Inks, Stencil Inks.

**SPECIALITY—Concentrated Dry Inks in 1 and 2 gallon tins.**

LEVANT, GRAIN, AND ALL INKS FOR LEATHER.

LIQUID GUM AND OFFICE PASTE.

Manufactured by **T. WEBSTER & CO.,**  
9 & 11 HENRY ST., LIVERPOOL ENG.

**EVERYTHING**

in the line  
of ...

**JOB PRINTING**

executed promptly  
at the office of the

**JOURNAL OF COMMERCE**  
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**John Rigby & Sons,**

**LIMITED.**

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Manufacturers  
of . . .

**WIRE OF ALL DESCRIPTIONS.**

**SPECIALTIES:—**Wire for Rivets, Springs, Jacquard and all classes of Machine Work. Tinned Mattress Wire and Weaving Wire, Brass Pinion and other sectional Wire.

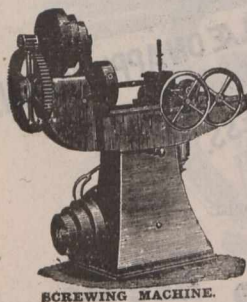
Established 1837. Telegraphic Address, "Wm. Heap, Ashton-Under-Lyne."

**WILLIAM HEAP & Co., LTD,**

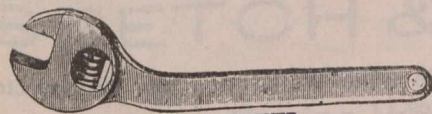
Oldham Road Engineers' Tool Works,  
**ASHTON-UNDER-LYNE, ENGLAND,**

**Engineers' and General Tool Makers.**

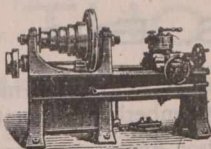
Makers of Lathes, Drilling Machines, Shaping Machines, Slotting Machines, Milling Machines, Screwing Machines, Screwing Tackle, Clyburn Spanners, &c.



SCREWING MACHINE.



CLYBURN SPANNER.



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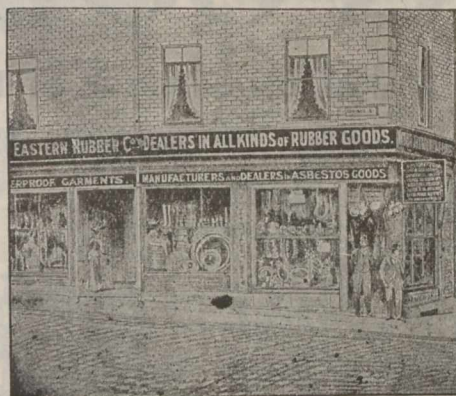
Also Roller Makers' Plant, Brass Finishers' Machines, and Bobbin and Shuttles Makers' Machinery.

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**The North Eastern Rubber Co.**

Manufacturers and Dealers in all Descriptions of



India Rubber,  
Asbestos,  
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Valves  
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47 Prudhoe Street and Cor. Borough Road,  
NORTH SHIELDS, Eng.,

and Fowler Street, South Shields, - - England.

ESTABLISHED OVER A CENTURY.

**GEORGE JOHNSON & CO.,**

Cutlery and Razor Manufacturers,

**Schwab's Razors, Full Hollow Ground.**



Never requires Regrinding, Black handles 8s. per doz. Ivory handles, 50s. per doz.

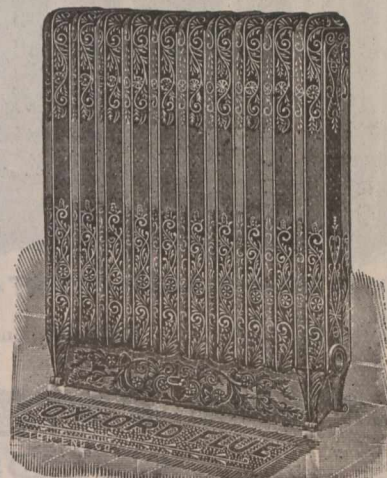
Makers of the Celebrated "Seven Stars" and "ripe and Dart" Razors, in great variety, with either Flat or Hollow-Ground Blades. Made from Highly Refined Steel.

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"CANADIAN HEATERS for CANADIAN WINTERS"

**Oxford Boilers and Radiators**

Have become the favorite system for moderate-sized buildings. They can be counted on to meet all weather changes with complete satisfaction to your ideas of comfort—providing the healthiest warmth obtainable, either hot water or steam.



We guarantee their capacity, so you can't be disappointed in results, and the Oxford Boiler's reputation for moderate coal consumption assures you a minimum coal bill every season.

If you've any plans for heating in view let us give you further information.

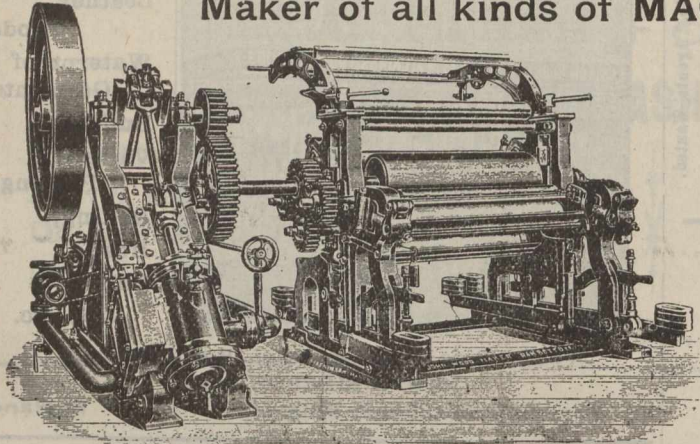
**The GURNEY-MASSEY CO., Limited, MONTREAL.**



Telephone No. 19. Telegrams :—"PRINT, RAMSBOTTOM." A.B.C. Code used, 4th Edition.

# J. WOOD, Calico Printers' Engineer.

Maker of all kinds of MACHINERY for



Bleaching, Dyeing, Printing,  
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Estimates Given for Complete  
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GARDEN ST. FOUNDRY,  
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GOLD MEDAL LYONS EXHIBITION, 1872. SILVER MEDAL BARCELONA EXHIBITION, 1888.  
TWO GOLD MEDALS TORONTO EXHIBITION, 1896. GOLD MEDAL PARIS EXHIBITION, 1900.

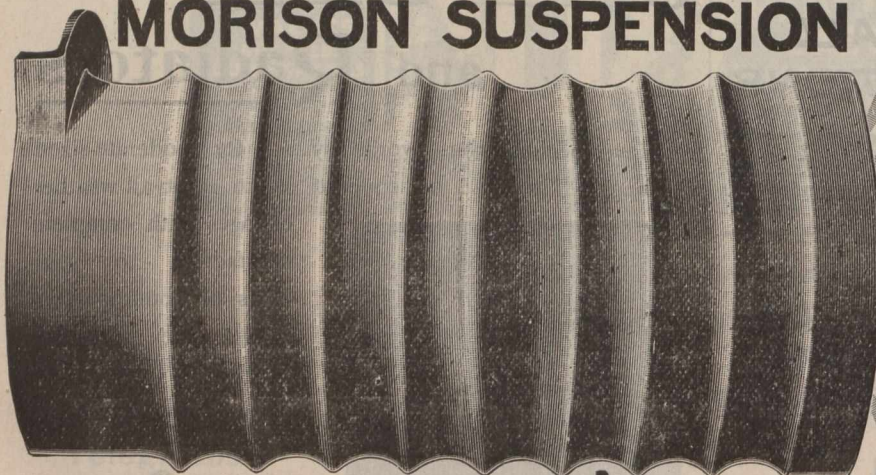
## The Lancashire Felt Co., Ltd.,

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.

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EASILY SCALED.  
GREATEST EVAPORATIVE EFFICIENCY.  
HIGHEST FACTOR OF SAFETY.  
MADE UNDER ALL SURVEYS.  
LATEST FORMULÆ ON APPLICATION.  
UNIFORM THICKNESS.

FLANGED COMPLETE BY HYDRAULIC MACHINERY AT ONE HEAT.

As supplied to the Cunard, P. & O., White Star, and all the leading steamship lines in the world.

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These Furnaces are made from special quality of Open-Hearth Acid Steel made at our Works, from the best selected brands of Swedish and Cumberland Hematites.

The United States Survey allow a Constant of 15,000 for Morison Suspension Furnaces and only 14,000 for all other corrugated types of furnace.

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

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

AREA 10 1/2 ACRES.

CAPACITY OF OUTPUT  
30,000 TONS ANNUALLY.

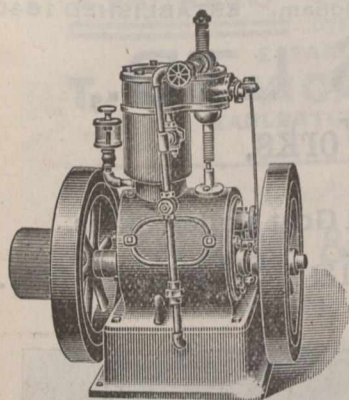
**FRANCIS MORTON & CO<sup>LTD</sup>**  
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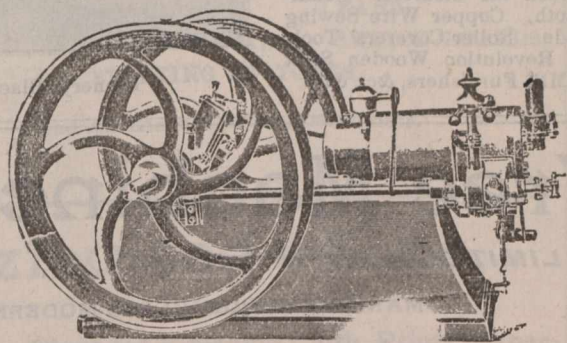
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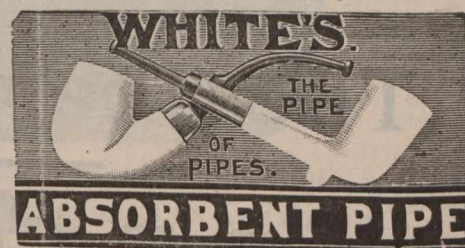


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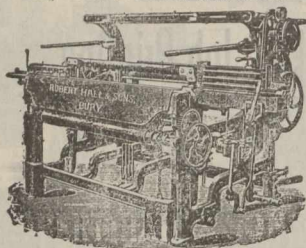
OF ALL DEALERS.



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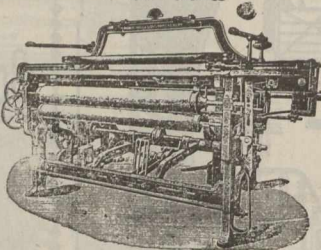
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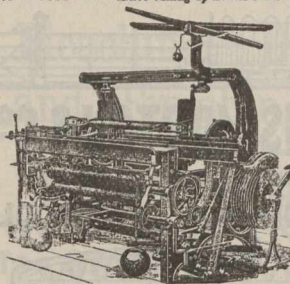
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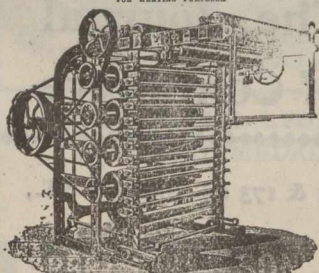
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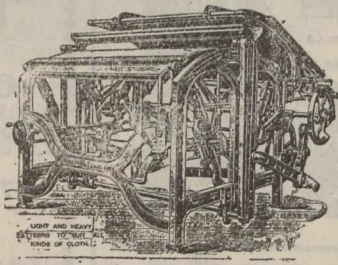
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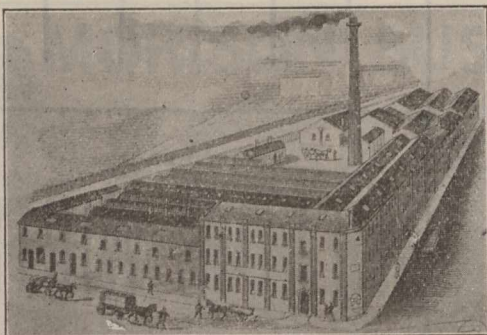
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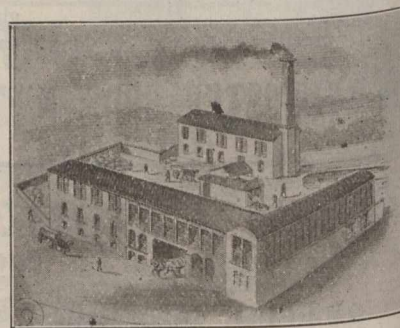
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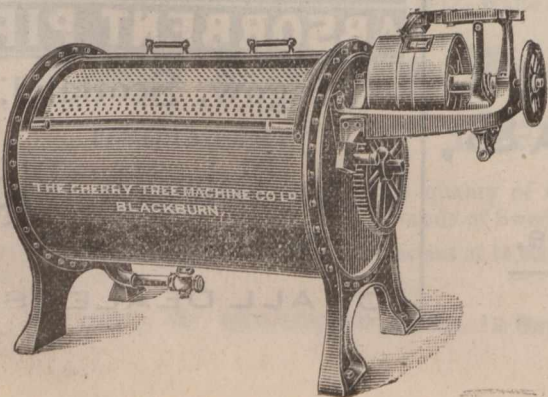
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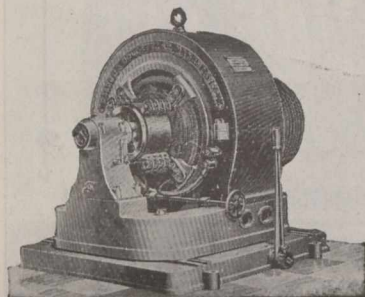
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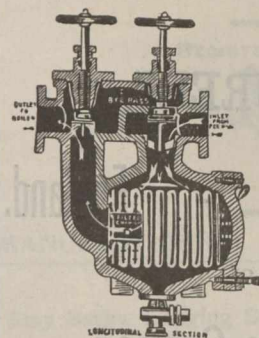
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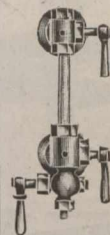
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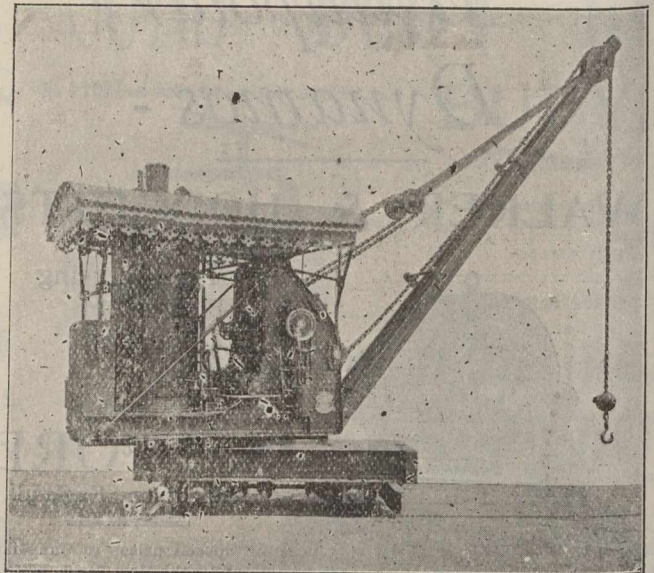
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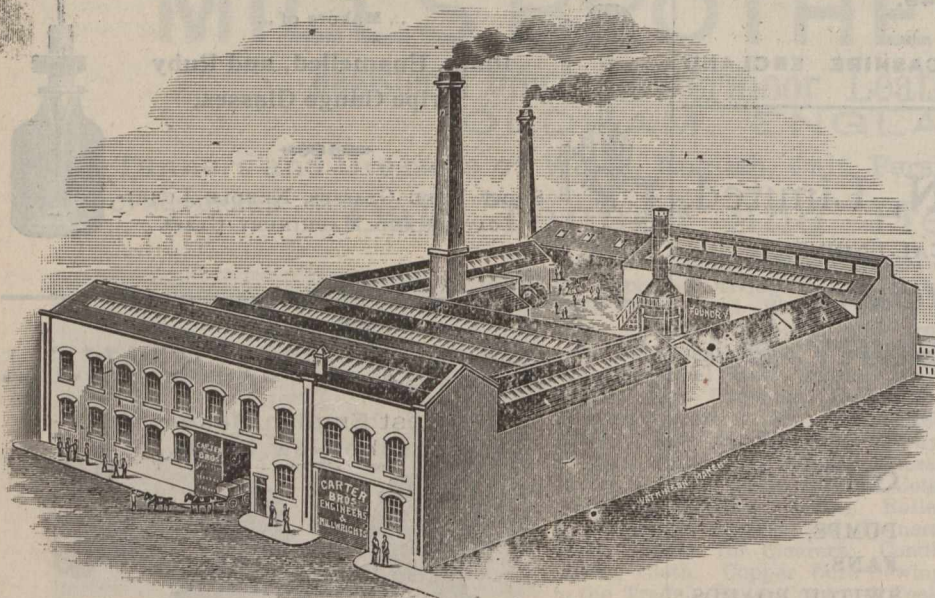
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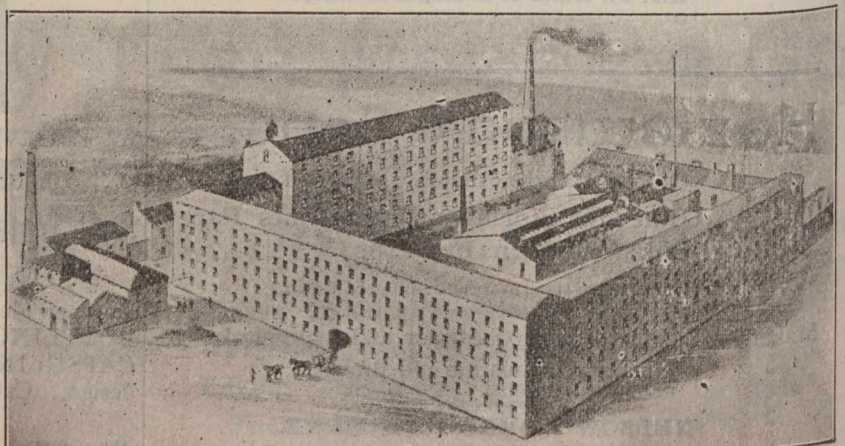
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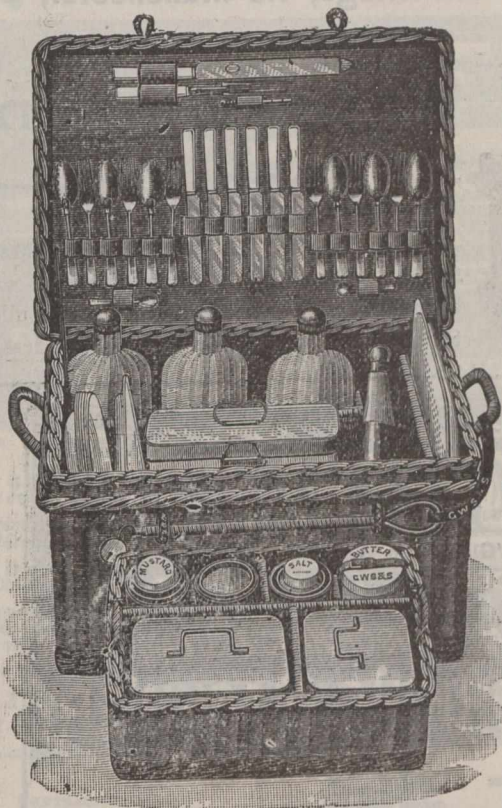


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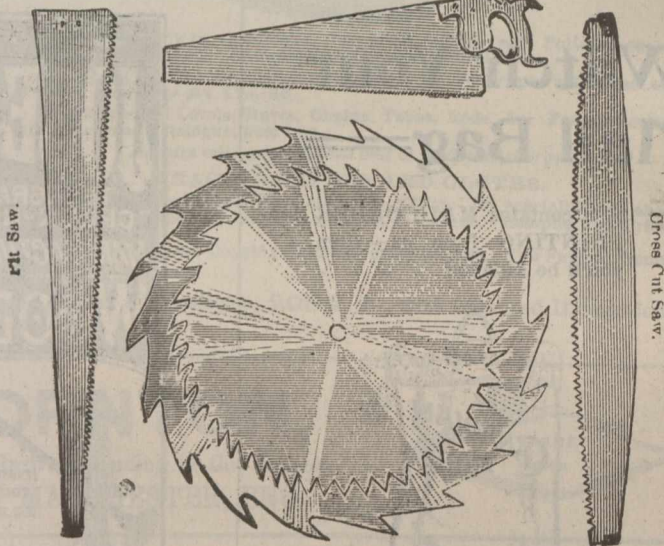
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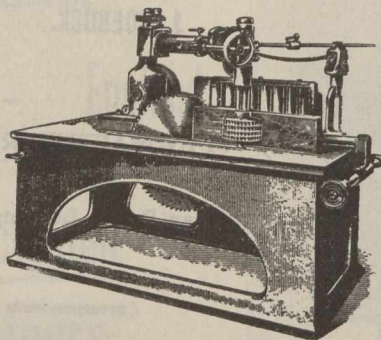
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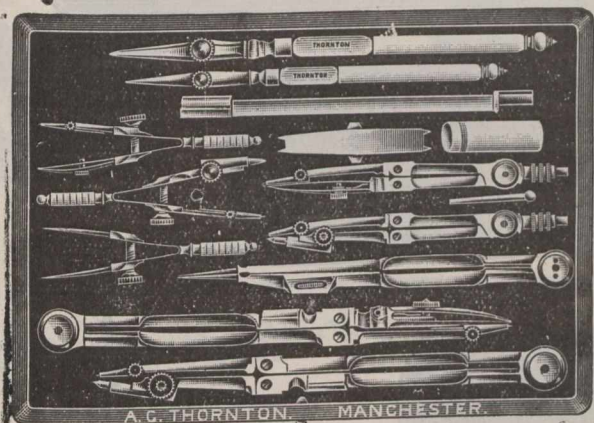
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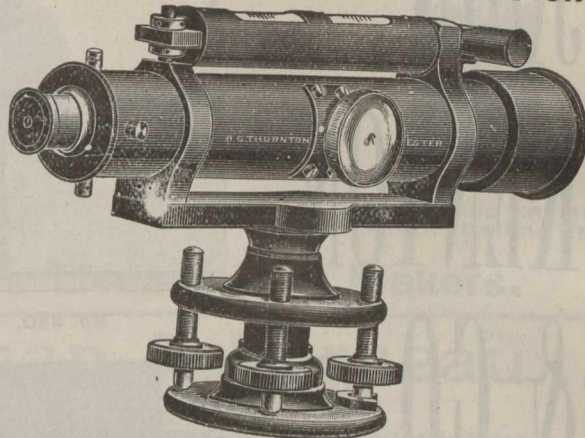
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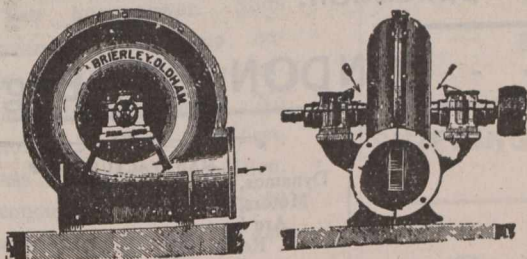
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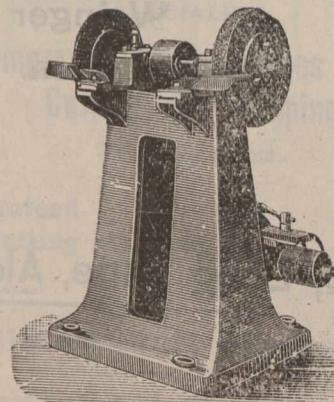
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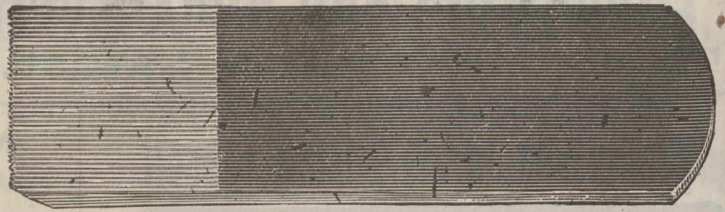
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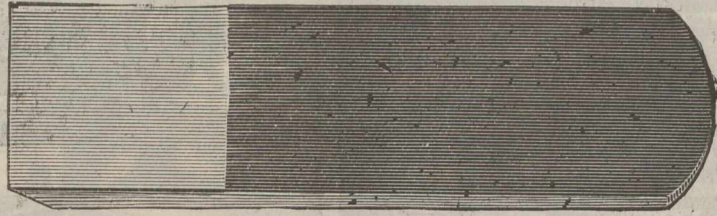


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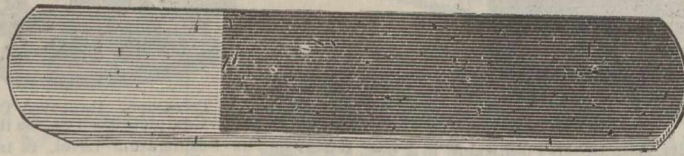
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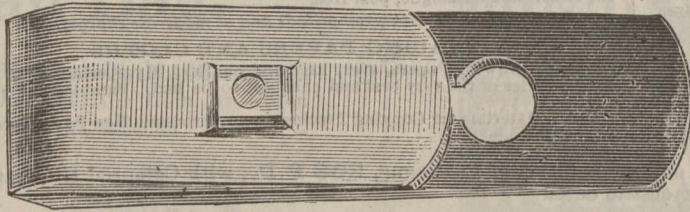


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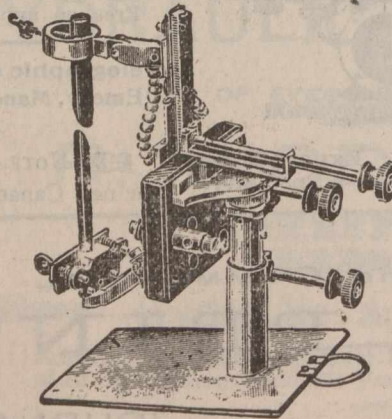
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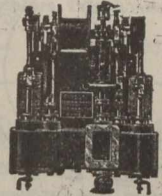
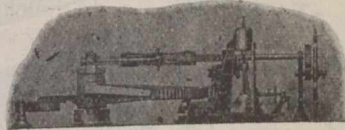
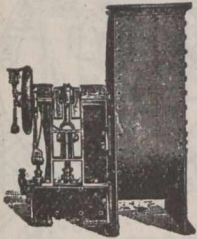
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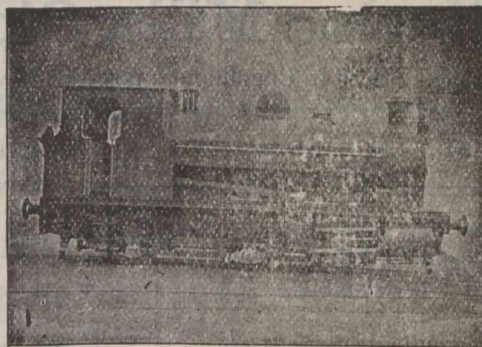
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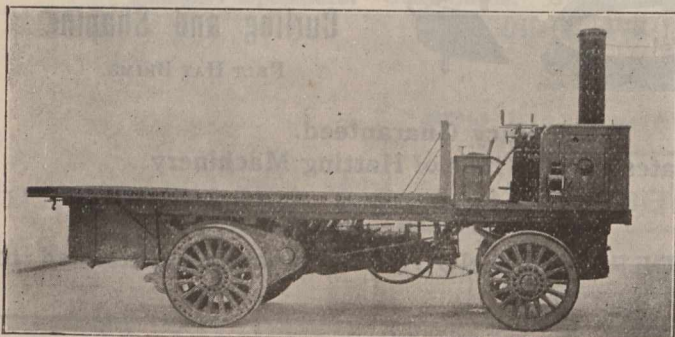
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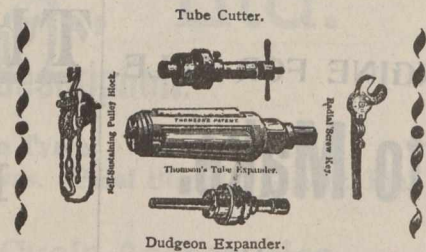
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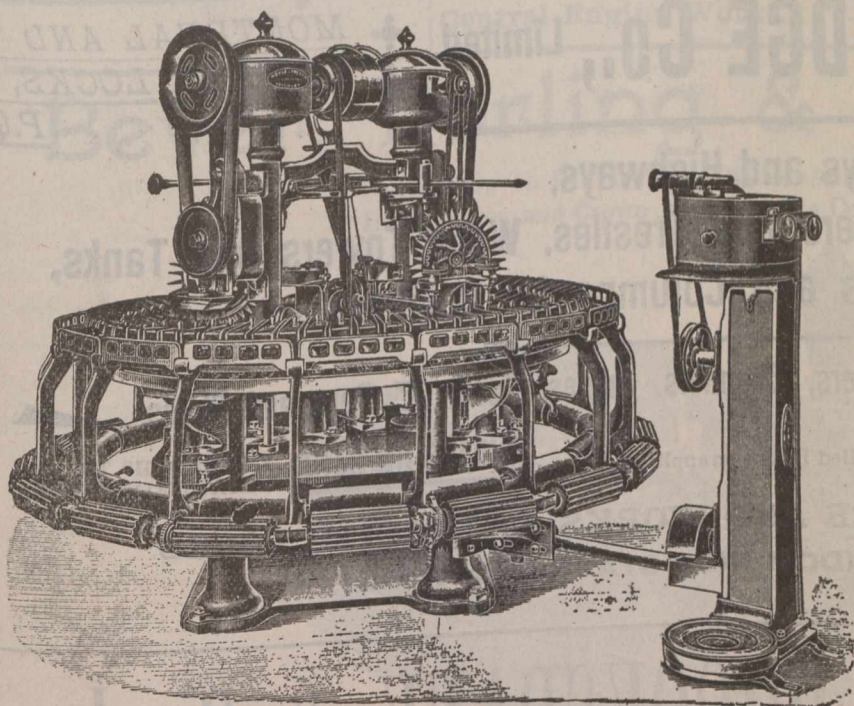
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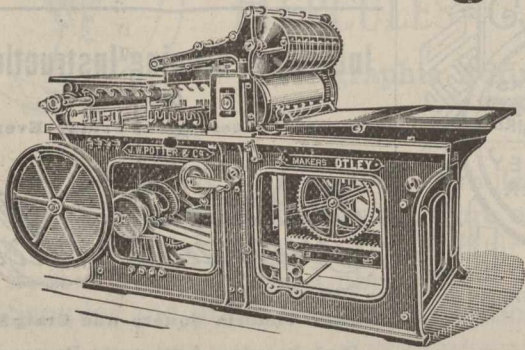
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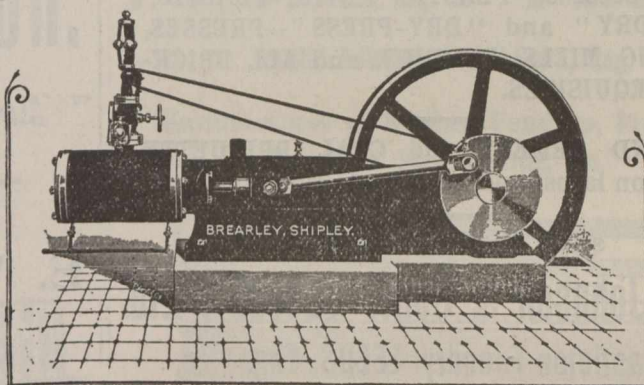
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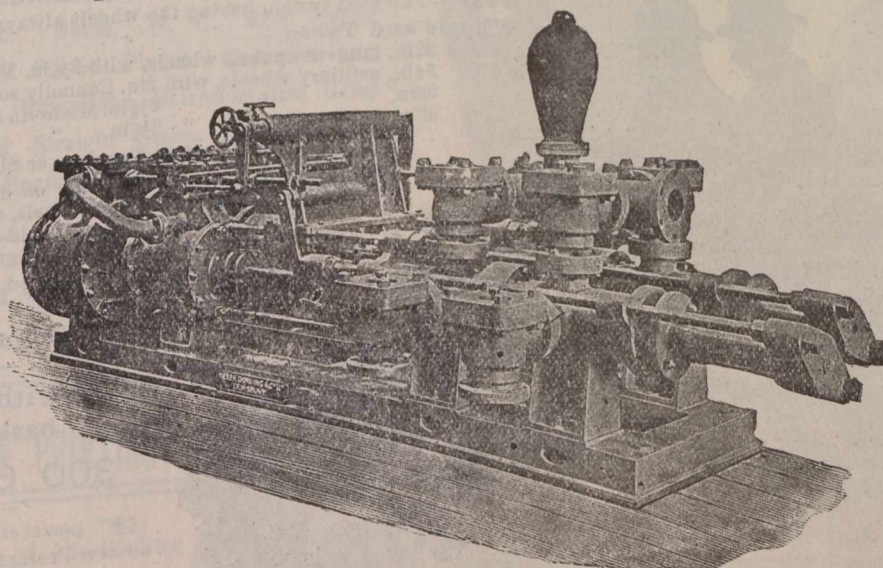
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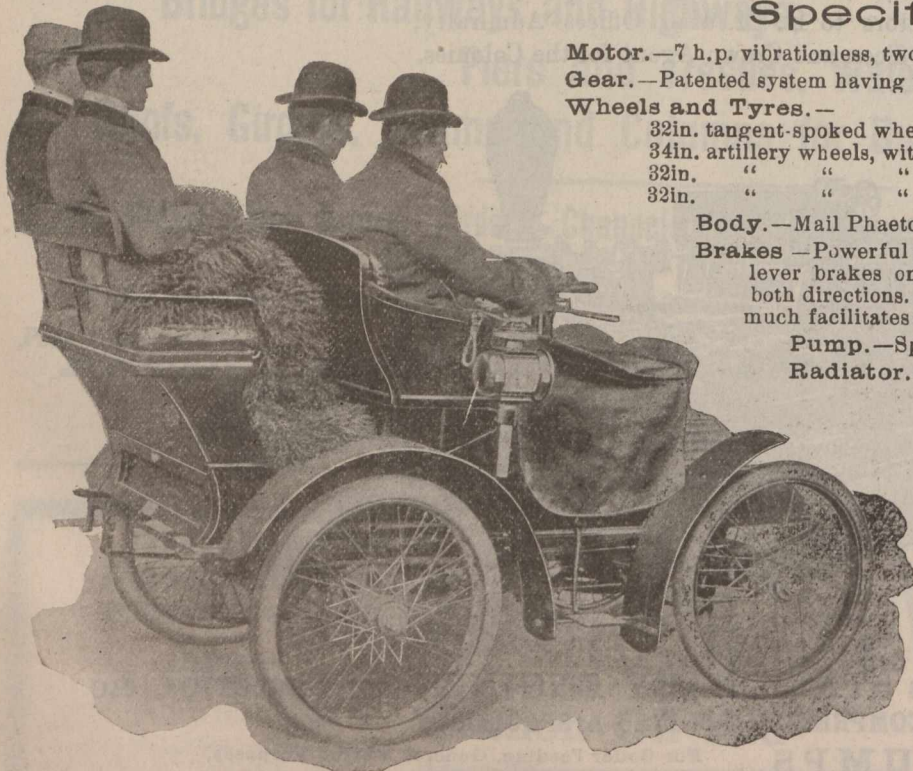


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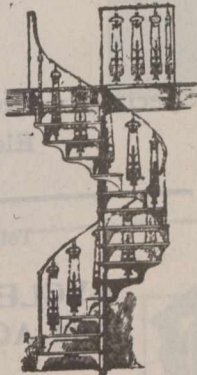
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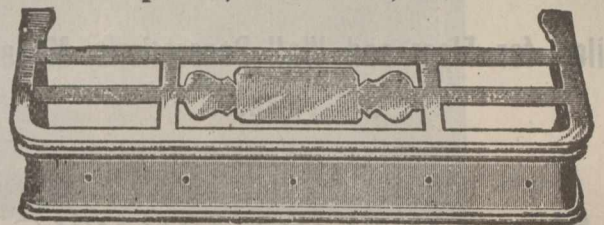
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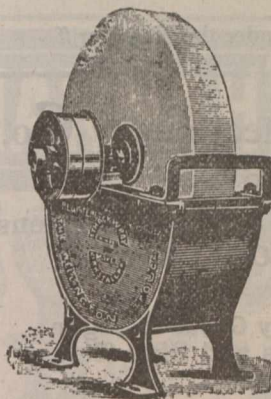
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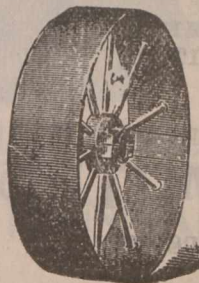


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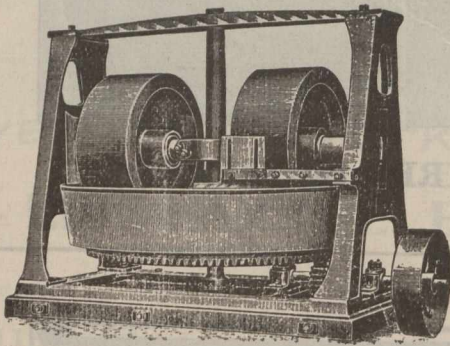
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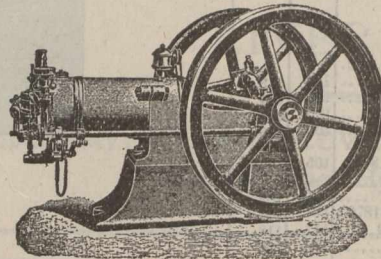
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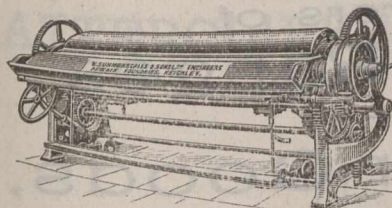


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Tudhoe Ironworks,  
Spennymoor, Durham, England.

MANUFACTURERS OF

## MILD STEEL PLATES AND SHEETS

For BOILERS, LOCOMOTIVE FRAMES, &c.

Admiralty, War Office, Board of Trade, Lloyd's, Bureau Veritas,  
British Corporation and other Tests.

Also SHIP, BRIDGE, and GIRDER PLATES.

LARGEST PLATES IN THE TRADE.

Steel Bars, Angles, Tees, Hoops, Strips, Single Round Edge Tyre  
Bars for Carriages, Vans, and Omnibuses, &c.

ALL STEEL MADE BY SIEMENS' AOID PROCESS.  
Of the Highest Quality.

IRON Bars, Angles, Tees, S.R.E. Tyre Bars, &c.

BRANDS:

STEEL, "WEARDALE STEEL," IRON BARS, "WEARDALE,"  
TUDHOE BEST SCRAP "TUDHOE CROWN and DIAMOND T."

PIG IRON.

WEARDALE, for Rollers, Cylinders, Plough Shares, and other Chilled  
Castings. HEMATITE, for Steel Making and Foundry Purposes.

Colliery Proprietors and Coke Manufacturers.

House, Steam, Manufacturing, and Gas Coals. Coke for Foundry and Blast  
Furnace use. Silica Bricks for Lining Steel Melting Furnaces  
Fire Bricks and Fire Clay.

OFFICES:

Tudhoe Ironworks, SPENNYMOOR. Mercantile Chambers, Quayside,  
NEWCASTLE-ON-TYNE. 18 Grosvenor Chambers, Deansgate, MANCHES-  
TER. George Yard, Upper Thames St., LONDON, E.C. Royal Exchange,  
MIDDLESBROUGH. Victoria Terrace, WEST HARTLEPOOL.

WAREHOUSE:

GEORGE YARD, UPPER THAMES STREET, LONDON, E.C., ENG.

Nearly 3000 Tons of Steel and Iron in Stock.

## .. The Wellington Machine Company ..

Engineers & Machinists,

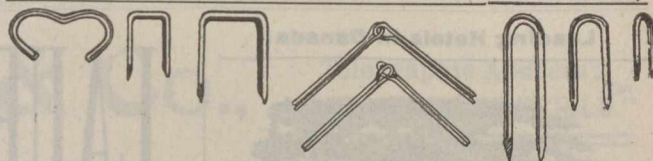
Machine Specialists for Folding Box Makers  
Bookbinders, Printers, Manufacturing Stationers  
&c., &c.

Specialities:—Wellington Box Covering and Topping Machines.  
Wellington Rotary Cutting and Grooving Machines. Wel-  
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# STAPLES, TINNED & COPPERED FLAT STAPLES. LINGOES OR LOOM WEIGHTS.

Box Hinges. Reed Ends Jacquard Wires (perfectly  
straight.) All kinds of ROLLED WIRE, (cut or in coil)

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Special terms to Canadians under new tariff.

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Manufacturers of **HORSE RUGS**

Blankets, Rugs, Horse Clothing, Collar Checks, Saddle  
Girths, Rollers Body Belts, and Webbing. Jute and  
Combination Night Sheets in all sizes.

Merchants and Shippers only Supplied.

CROWN MILLS, SAVILE TOWN, DEWSBURY, YORKSHIRE, ENGLAND.

# William Whitwell & Co., Ltd.,

Thornaby Iron Works,

Stockton-on-Tees, England.

Manufacturers of Whitwell Special  
Admiralty Cable ¼ inch and upwards.

## PIG AND MERCHANT IRON.

PIG IRON for Bessemer, Siemens, Basic and Forge Purposes.  
Brand for Pig Iron: THORNABY HEMATITE.

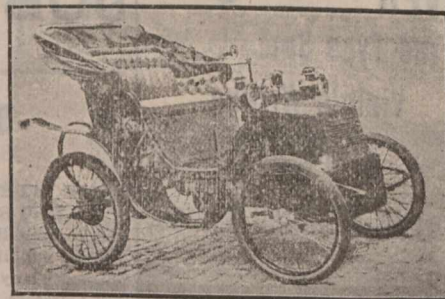
MERCHANT IRON Angles, Tees, Rounds, Squares,  
Flats, Round Edged Flats, Oc-  
'agons Ovals, Feather-Edged Convex, Square Edged Convex,  
True Half Rounds; Rails—bridge double and single headed flat  
bottomed and street; Fish Plates, Fencing Iron, Sleeper Iron,  
Bevel Edged Tyre Iron, Channel, Skylight, Bevel and Hollow  
Moulding Iron Fire and Screen Bars, Tube Strips, Sash Iron,  
Single and Double Grooved Shoe Iron.

Capacity, 2,500 tons of Pig Iron, and 750 tons of Bar Iron, per week.

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W. W. & CO. BEST, THORNABY BEST BEST, THORNABY, W. W. & CO.  
Special Terms to Canadians under the New Tariff.

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CYCLE  
MANUFACTURERS.



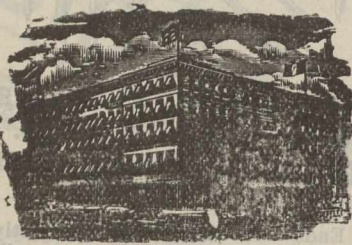
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The proprietor has found necessary owing to the increased patronage of this popular Hotel to increase its capacity by an addition of 75 rooms, elegantly furnished en suite with baths, now ready for occupation. The latest exposed sanitary plumbing has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

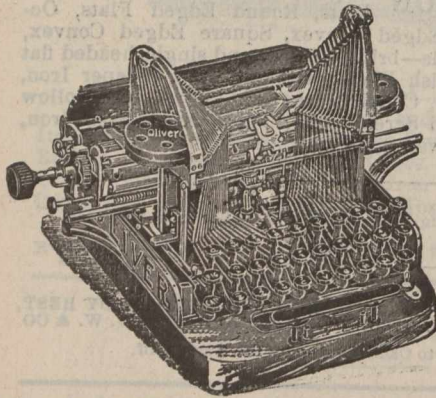
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OTTAWA.

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CANADA AND SOUTH AMERICA

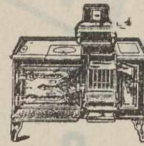
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— AND —

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Manufacturers of REFINED SUGARS of the well-known Brand . . . .

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Of the Highest Quality and Purity, made by the Latest Processes, and the Newest and Best Machinery, not Surpassed anywhere.

LUMP SUGAR, in 50 and 100 lb. boxes.

"CREAM" SUGARS, (not dried).

"CROWN" GRANULATED,

YELLOW SUGARS of all grades and Standards.

Special Brand, the finest which can be made.

SYRUPS of all grades in brls. and half brls.

EXTRA GRANULATED, very Superior Quality.

SOLE MAKERS of high class Syrup in tins, 2 lb. and 3 lb. each.

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You can get everything in the line of

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Having a full outfit of machinery and tools, including Steam Riveter, and men of long experience, it invites comparison of the quality of its work, with any shop in Canada.

ARTHUR KAVANAGH,  
Manager,

J. H. FAIRBANK,  
Proprietor.



# WILLIAM ATKINS & Co.,

Telegraphic Address :  
"RELIANCE, SHEFFIELD."

LIMITED.

RELIANCE STEEL WORKS,

ATTERCLIFFE,

Sheffield, England,

Manufacturers of all kinds of Crucible

## CAST STEEL

For Engineers, Shipbuilders, Boilermakers and other purposes.

## SPECIAL DRILL STEEL

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

## TOOL STEEL

For Turning Chilled Rolls, or any Hard Metals.

Cast Steel Sheets, Blister, Single and Double Shear Steel, Coach and Railway Spring Steel, Sewing Machine Steels,  
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Special terms to Canadians under the New Tariff.

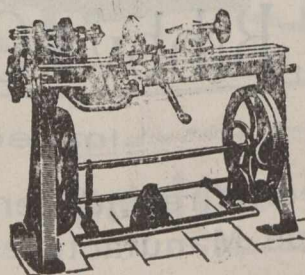
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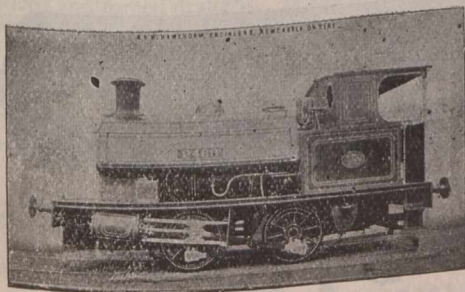
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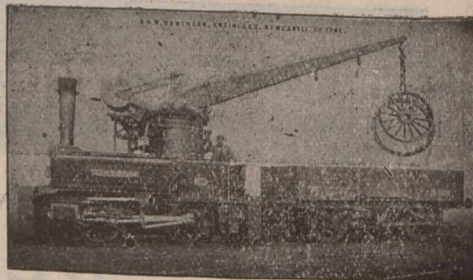
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PHOTOGRAPHS and  
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Standard Classes in Pro-  
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Special prices to Canadians under  
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**SPECIALITIES.** Combined Crane and Locomo-  
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ENQUIRIES cordially invited which will have prompt and  
careful attention.



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Patent Power Ventilating

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HEATING.COOLING.DRYING.VENTILATING.

14 Highest Awards Given to the Blackman Air Propellor.

ESTIMATES for Ventilation, Drying and Cooling given on Application. Send for Illustrated Circular.

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**JOHN KAY,**

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PATENT CONDENSER BOBBIN.



Kay's Patent Condenser Bobbins, Patent Oil Cans, Cotton Banding, &c.

Mill Requisites of every Description Supplied.

**Garnock, Bibby & Co.,**

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Steel Wire and Hemp  
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Contractors to the Admiralty and  
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DRIVING ROPES.

Special Prices to Canadians under the New  
Preferential Tariff, 33 1-3 per cent. in favor of  
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**ATKINSON BROTHERS, LTD.,**

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**MINERS DRILL STEEL**

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

... For

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



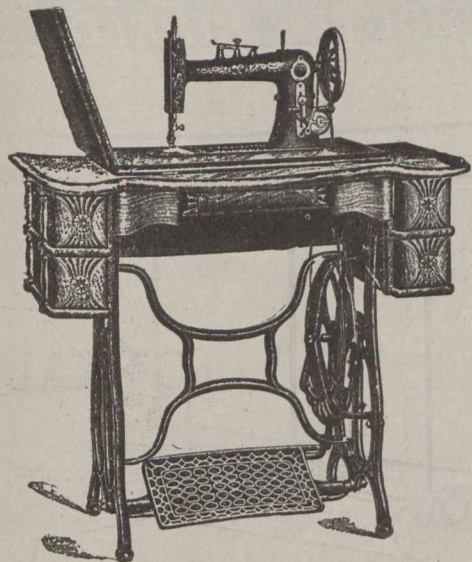
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MANUFACTURERS OF  
**CRUCIBLE CAST STEEL**  
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Special Miners Drill Steel  
Ground and Polished Steel for Shafting.

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.



We make High Grade Family  
**SEWING MACHINES**

For the Merchant's Trade

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*Contractors to the British Admiralty and India Office.*

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**Engineers & Anchor Manufacturers,**  
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YOU WANT **ANCHORS?**

USE ours, which are of great holding power and moderate cost. Used by British Admiralty, Foreign Governments and the Mercantile Marine. Complete outfits of Chains and Anchors supplied : made to Admiralty, Lloyd's or Bureau Verita. inspection.



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We have orders now in hand for over 300 tons of our Anchors for British Admiralty alone.

**Journal of Commerce Job  
Department for Printing.**

ESTABLISHED 1810

**JOHN SPENCER & SONS, L<sup>T</sup>D.,**

(Works :—At NEWBURN and OUSEBURN, NEWCASTLE-ON-TYNE),

Newburn Steel Works,

**NEWCASTLE-ON-TYNE, ENGLAND,**

Offices : { Newcastle-on-Tyne : 27 Westgate Road,  
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ON ADMIRALTY LIST.

**MANUFACTURERS OF STEEL**

By the Siemens' Cementation, and Crucible Processes.

**SHIP and BOILER PLATES up to 11 Feet Wide.**

Ingots, Slabs, Blooms, Billets, and Bars of all sizes.  
Rivet Steel. Special Mild Steel for Boiler Flues.

**STEEL FORGINGS, STEEL CASTINGS,**

Of all descriptions, to any weight, Rough or Machined.

**CRANK AXLES & SHAFTING HYDRAULIC PRESSED.**

Springs.—Laminated, Volute, Patent Improved Volute, Conical, Spiral (Original Manufacturers of Volute Springs).  
Buffers, of Wrought and Cast Iron, of all descriptions. Best Cast Steel for Tools from finest Dannemora Brands. Best Cast Steel Files. IRON FORGINGS of all kinds.

**FOSTER'S & FOWNES' Patent CRANK SHAFTS.**  
**WASTENEYS SMITH'S PATENT STOCKLESS ANCHORS,**

Special price to Canadians under the New Tariff.



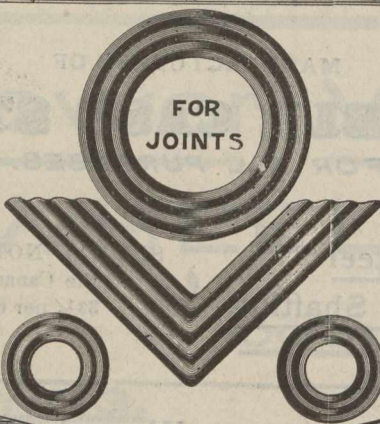
# TAYLOR'S PATENT

CONTRACTORS TO THE ADMIRALTY

THE ATTENTION OF ENGINEERS & OTHERS IS SOLICITED TO THE PRINCIPLES OF OUR **UNIQUE PACKING**, THIS PACKING CONSISTS OF METAL RINGS OBLONGS, & SQUARES, CUT FROM THIN SHEETS OF BRASS, & CORRUGATED; FOR THE PURPOSE OF BEING PLACED IN JOINTS IN THE JOINING OF METAL PIPES MAKING JOINTS STEAM & WATER-TIGHT, IN MAKING JOINT CORRUGATED THE RING IS LAID WITH CEMENT ON INNER PART OF FLANG, CLEAR OF BOLTS, IN SCREWING UP JOINT, RIDGES OF CORRUGATIONS YIELDING TO IT WILL TAKE IMPRESSIONS OF IRREGULARITIES OF SURFACES OF FLANGES, MAKING IT IMPOSSIBLE FOR HIGH PRESSURE FROM STEAM OR WATER TO ENTER JOINT.

**SOLE MAKERS NEWTON**

TYNE DOCK CORRUGATED PACKING WORKS



# METALLIC PACKING.

& SPANISH ROYAL NAVAL COMMISSION

**SOME ADVANTAGES OF THIS PACKING ARE**  
 1-CHEAPNESS, NO CUTTING OF HOLES TO MAKE COST OF RINGS BEING A TRIFLE COMPARED WITH IMPORTANCE OF HAVING A GOOD JOINT  
 2-THIS PACKING IS SUITABLE FOR HEAT PETROLEUM BOILER STAYS  
 3-BY USING RINGS TIGHT JOINT CAN BE MADE WITH GREAT CERTAINTY  
 4-WITH THIS PACKING A CLOSE NEAT JOINT CAN BE MADE.

THESE RINGS MANUFACTURED IN BRASS COPPER GUN METAL & STEEL

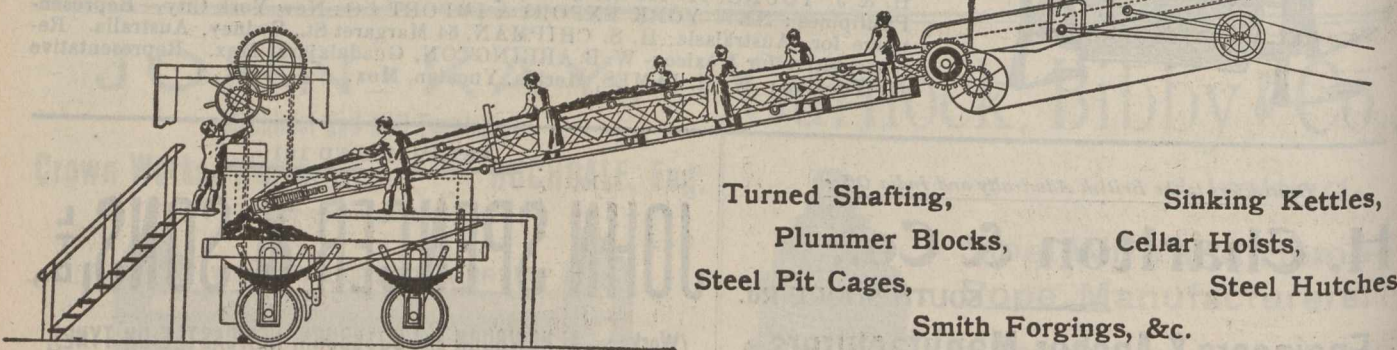
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 SOUTH SHIELDS

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 Revolving Hutch Tippers,  
 Cadzow Hand Adjustable Coal Picking Bands.



Turned Shafting, Sinking Kettles,  
 Plummer Blocks, Cellar Hoists,  
 Steel Pit Cages, Steel Hutches,  
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# L. WRIGHT & SON,

WRIGHT'S CELEBRATED NAVY BISCUITS.

*These Biscuits are made from Pure Wheaten Flour; Thoroughly Kiln Dried and specially prepared for long voyages, and are of World-Wide renown.*

Established over 100 Years.

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294 Peel Street,  
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**The Federal Life ASSURANCE COMPANY.**

HEAD OFFICE, HAMILTON, CANADA.

Capital and Assets	- - - -	\$2,149,055.92
Surplus to Policyholders	- - - -	1,025,317.85
Paid Policyholders in 1900	- - - -	170,813.58

MOST DESIRABLE POLICY CONTRACTS.

IAS. H. BEATTY, President.  
 DAVID DEXTER, Managing Director.  
 J. K. McCUTCHEON, Supt. of Agencies.  
 H. RUSSELL POPHAM, Provincial Manager.

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.

ARE you, or do you think you could be successful in the insurance business? If so,

**THE MANUFACTURERS LIFE INSURANCE COMPANY**

(Formerly The Manufacturers Life and Temperance and General Life Insurance Companies)

With Business in Force over - - - - \$27,000,000  
 And Total Security to Policy-holders of over \$4,500,000

Can make you a few rattling good propositions.

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 J. F. JUNKIN, Managing Director.  
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**JUSTICE and SATISFACTION**

is dealing with both Agents and Policy-holders—fairness coupled with invariable honesty of purpose. These are the endeavors of the management of the Union Mutual in all transactions. And Promptness is another Home Office motto—prompt answering of letters, prompt issuing of policies, prompt settlement of claims. Always a place for reliable, capable Agents.

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 ARTHUR L. BATES, Vice President.  
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**Scottish Union and National INSURANCE COMPANY,**  
 Of Edinburgh, Scotland.  
 ESTABLISHED 1854.

M. BENNETT, Jr., Gen. Manager North American Branch, Hartford, Conn	
Capital	\$30,000,000
Invested Funds	\$13,500,000
Total Assets	\$4,472,705
Deposited with Dom. Govt.	125,000
	(Market value.)

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

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

(FOUNDED 1825.)

(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.

**THE NORTH AMERICAN LIFE ASSURANCE COMPANY.**

Head Office: 112-118 King St. West, TORONTO, Ont.

The following figures taken from the last financial statement show the unexcelled financial position to which the Company has attained. It has

Assets	\$3,977,263.83
Cash Income	1,005,970.55
Net Surplus	500,192.39
Insurance in Force	25,575,142.00

L. GOLDMAN, Secretary.  
 WM. McCABE, Man. Dir.  
 Messrs. AULT and McCONKEY, Managers for Province of Quebec,  
 180 St. James St., 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 Province of Ontario.



# NEW YORK LIFE

INSURANCE COMPANY.

JOHN A. McCALL, President.

Gain in Insurance in force 1900  
\$140,000,000

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 CAN. BR., 496 1/2 Main St., Winnipeg, Man.  
N. B. BR., 120 Prince William St., St. John, N. B.  
TORONTO BRANCH, 6 King St., West, Toronto, Ont.  
HALIFAX BR., Barrington and Prince Sts.

R. HOPE ATKINSON.

AGENCY DIRECTOR,

Company's Building, MONTREAL

## J. DUNCAN DAVISON

Imperial Bdg. 107 St. James Street,  
Montreal.

### COMMISSIONER

For Following Provinces:

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

## LIVERPOOL & LONDON & GLOBE

INSURANCE COMPANY.

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

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

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

Canada Board of Directors:

A. F. GAULT, Chairman.  
WENTWORTH J. BUCHANAN, Deputy Chairman.  
SAML. FINLEY, E. S. CLOUSTON.  
HON. SIR ALEXANDRE LACOSTE, 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, '94, \$349,734.71.

GEORGE RANDALL, Esq., President; JOHN SHUH, Esq., Vice President; Frank Haight, Esq., Manager; John Killer, Esq., Inspector.

## UNCONDITIONAL POLICIES

ARE ISSUED BY THE . . .

## CONFEDERATION LIFE ASSOCIATION.

Cash Values,  
Extended Insurance,  
Paid up Policies,  
GUARANTEED.

Full information sent on application.

H. J. JOHNSTON,

Prov. Manager,

174 ST. JAMES ST.,  
MONTREAL

W. C. MACDONALD,

Actuary.

J. K. MACDONALD,

Managing Director.

Head Office, - TORONTO.

# LIFE INSURANCE ANNOUNCEMENT.

JANUARY, 1902.

The rapidly increasing business of THE ROYAL-VICTORIA LIFE INSURANCE CO. requiring larger Head Office accommodation, the Company will occupy its new offices on the second floor of the Royal Insurance Building, Place d'Armes Square, on the 1st of May next.

The new business issued in 1901, shows an increase of 33 per cent. over the previous year.

Head Office,  
MONTREAL.

DAVID BURKE, A.I.A., F.S.S.,  
General Manager.

## B. S. & W. WHITELEY

Press  
Paper  
Manufacturers,

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

## WESTERN ASSURANCE COMPANY.

FIRE AND MARINE. Incorporated 1851.

Assets, over \$2,925,000.00  
Annual Income, 2,994,000.00

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 & CHARLTON, City Agents.

## 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.

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 principal Cities and Towns of the Dominion.

HEAD OFFICE, Canadian Branch, - MONTREAL  
JAMES MCGREGOR, Manager.

## THE IMPERIAL INSURANCE COMPANY LIMITED

FIRE.

LONDON.

ESTABLISHED 1803.

SUBSCRIBED CAPITAL, . . . . . \$5,000,000  
PAID-UP CAPITAL, . . . . . 1,500,000  
TOTAL INVESTED FUNDS OVER . . . . . 8,000,000

Canadian Branch:

COMPANY'S BUILDING, PLACE D'ARMES, MONTREAL.  
R. G. KEARLEY, RESIDENT MANAGER.