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125

THE CANADIAN
JOURNAL OF COMMERCE
FINANCE AND INSURANCE REVIEW.

Vol. 55. No. 2.
NEW SERIES.

MONTREAL, FRIDAY, JULY 11, 1902.

M. S. FOLEY,
EDITOR AND PROPRIETOR

McINTYRE SON & Co.,

MONTREAL.

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

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Old Chum,
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Sweet Caporal,
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X X

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Merchant Tailors and
Woolen Buyers

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We have never shown a more extensive line of . . .

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Our Tailors' Trimming Dep't
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Canadians can purchase these furnaces under the new Canadian Tariff, 33 1/2 p. c. cheaper than any other Country.

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Est. 1863. TRADE MARK. No. 1895.



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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
Reserved Fund. - 8,000,000.00
Undivided Profits. - 165,856.09

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

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Seigneurs St. Branch.
Point St. Charles Branch.
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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, Young, st. br. Greenwood, B.C.
Goderich, Wallaceburg, Nelson, B. C.
Hamilton, Montreal, Que. New Denver, B.C.
Kingston, Quebec, New Westmins-
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London, Moncton, N.B. Vancouver, B. C.
Ottawa, St. John, N.B. Vernon, "
Amherst, N.S. Victoria, "

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Alex. Lang, Man.

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Chicago—Bank of Montreal, J. W. de C. O'Grady,
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The Union Bank of London.
The London and Westminster Bank.
The National Provincial Bank of England.
Liverpool—The Bank of Liverpool, Ltd.
Scotland—The British Linen Company Bank, and
Branches.

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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 Angle-Californian Bank.

Montreal, 30th April, 1902.

THE BANK OF TORONTO.

INCORPORATED 1855.

HEAD OFFICE: TORONTO, CANADA.

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

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DUNCAN COULSON, General Manager.
Joseph Henderson, Assistant General Manager

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

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New York—National Bank of Commerce.
Chicago—First National Bank.
Careful attention given to the collection
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THE BANK OF BRITISH NORTH AMERICA.

Established in 1836.

Incorporated by Royal Charter in 1840.
Paid up Capital - \$1,000,000 stg.
Reserve Fund - 365,000 stg.

London Office, - 5 Gracechurch St., E.C.

COURT OF DIRECTORS:

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John James Cater, Frederic Lubbock,
Richard H. Glyn, George D. Whatman,
Ed. Arthur Hoare, Henry R. Farrer,
M. G. C. Glyn.

Secretary A. G. Wallis.

Head Office in Canada, St. James street,
Montreal

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J. ELMSLY, Inspector.

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Hamilton, St. John, N.B., Victoria,
Toronto, Fredericton, Vancouver,
Kingston, Yukon District, Rossland,
Midland, Dawson City, Easle.
Ottawa, Winnipeg, Man.
Montreal, Que., Brandon,

DRAFTS ON SOUTH AFRICA MAY BE OB-
TAINED AT THE BANK'S BRANCHES.

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Welsh, Agents.

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Foreign Agents—Liverpool—Bank of Liverpool.

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

and branches. Australia—Union Bank of Australia.
New Zealand—Union Bank of Australia. India,

China and Japan—Mercantile Bank of India, Lim-
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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

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S. H. Ewing, Vice-President.
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H. Markland Molson, Lt.-Col. F. C. Henshaw.

JAMES ELLIOT, General Manager.

A. D. Durnford, Chief Inspector and Superintendent
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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, "
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.
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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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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-
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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-
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of the world. Also "Bank Money Orders" payable
at all banking points in the Dominion.

The Chartered Banks.

THE ROYAL BANK OF CANADA.

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

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Wiley Smith, Esq., H. G. Bauld, Esq.,
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Bathurst, N.B. Ottawa, Ont.
Bridgewater, N.B. Picton, N.S.
Caraquet, N.B. Port Hawkesbury, N.S.
Charlottetown, P.E.I. Rexton, N.B.
Dalhousie, N.B. Rossland, B.C.
Dorchester, N.B. Sackville, N.B.
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Guysboro, N.S. St. John's, Nfld.
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Nanaimo, B.C. Woodstock, N.B.
Nelson, B.C.

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Republic, Washington.

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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, Nevada National Bank. Portland, Ore.,
First National Bank. Seattle, Washington Na-
tional Bank. Spokane, Exchange National Bank.

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, - 800,000
Capital Paid-up, - 418,000
Reserve, - 150,000

BOARD OF DIRECTORS:

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Reuben S. Hamlin, Esq., Vice-President.
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Port Perry, Ont., Tavistock, Ont.
Port Perry, Ont., Tavistock Ont., Sunderland, 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 Authorized - \$1,500,000.00
Capital Paid-up - 1,399,800.00
Rest - 425,000.00
Profit and Loss Account - 84,411.44

HEAD OFFICE: TORONTO.

DIRECTORS:

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Donald Mackay, Esq., Vice-President.
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CHARLES MCGILL, General Manager.

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Yonge and Richmond "

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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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and Brazilian Bank. India, China and Japan—
Chartered Bank of India, Australia & China. South
Africa—Standard Bank of South Africa, Limited.
Bank of Africa, Limited. Australia & New Zea-
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of Australasia. Honolulu—First National Bank
of Hawaii, Bishop & Co.

Traders Bank of Canada

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

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W. J. SHEPPARD, Waubanshene.

Head Office, - - Toronto.
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J. A. M. ALLEY, Inspector.

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Dutton, Newcastle, St. Mary's,
Elmira, North Bay, Sturgeon Falls,
Glencoe, Orillia, Sudbury,
Grand Valley, Port Hope, Tilsonburg,
Ridgetown Windsor

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

BANQUE D'HOCHELAGA.

Capital Subscribed, - \$1,999,700
Capital Paid-up, - 1,967,000
Reserve Fund, - 950,000

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C. A. GIROUX, Asst. Manager
O. E. DORAIS, Inspector.

Head Office, Montreal.
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Quebec, P. Q., 1893 St. Catherine "
Sorel, P. Q., 1756 "
Sherbrooke, P. Q., 2217 Notre Dame "
Valleyfield, P. Q., Hochelaga "
Vankleek Hill, Ont., Three Rivers, P. Q.
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International Trust Co., National Bank of Redemp-
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National Bank, The Fourth Street National Bank,
Philadelphia, National Live Stock Bank, (Illinois)
Trust and Savings Bank, Chicago. The Clydesdale
Bank (Limited), Credit Lyonnais de Paris, Credit
Industriel & Commercial, Comptoir National d'Es-
compte de Paris, London, Eng. Credit Lyonnais,
Société Générale, Crédit Industriel & Commercial,
Comptoir National d'Escompte de Paris, Paris,
France. C. dit Lyonnais, Brussels, Belgium. Deut-
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P. v. 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.....\$2,000,000
RESERVE FUND.....1,600,000

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

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

British Correspondents: - National Provincial
Bank of England [Ltd.] London.

American Correspondents: - New York—Fourth
National Bk. and Hanover National Bk. Bos-
ton—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 2 1/2
per cent. upon the Capital Stock of this Institu-
tion, has been declared for the current quarter,
being at the rate of 10 per cent. per annum, and
that the same will be payable at the Banking
House, in this city, on and after

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

Eastern Townships Bank.

(Established 1859)
Capital Authorized.....\$200,000
Capital paid up.....\$1,955,235
Reserve Fund.....1,200,000

BOARD OF DIRECTORS:
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G. Stevens, C. H. Nathan, H. B. Brown, K.C.,
J. S. Mitchell.

HEAD OFFICE, SHEERBROOKE, Que.
Jas. MacKinnon, General Manager.
Branches: Province of Quebec.—Montreal, Water-
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Richmond, Granby, Huntingdon, Bedford, Magog,
St. Hyacinthe, Ormstown, Windsor Mills, Pro-
vince of B.C.—Grand Forks, Phoenix.

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

The BANK OF OTTAWA.

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

BOARD OF DIRECTORS:
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GEORGE HAY, Vice-President
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David MacLaren, Denis Murphy.

HEAD OFFICE, Ottawa, Ont.
Geo. BURN, Gen. Mgr.—D. M. FINNIE, Ottawa Mgr.
L. C. OWAN, Inspecting Officer.

Branches: Ontario—Alexandria, Arnprior, Avon-
more, Bracebridge, Carleton Place, Cobden,
Hawkesbury, Keewatin, Kemptville, Lanark, Mat-
tawa, Ottawa, Wellington street, Bank street, Rideau
St., Somerset street, Parry Sound, Pembroke, Rat-
Portage, Renfrew, Smith's Falls, Toronto, Vank-
leek Hill, Winchester. Quebec.—Granby, Hull, La
chute, Montreal, Shawinigan Falls, Manitoba—
Dauphin, Portage la Prairie, Winnipeg.

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Bank of Montreal, National Bank of Commerce,
Merchants National Bank, Boston; National Bank
of the Republic, Colonial National Bank, Massa-
chusetts National Bank, Chicago; Bank of Mont-
real, 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.

BANK OF NOVA SCOTIA

INCORPORATED 1882.
Capital Paid-up.....\$2,000,000.00
Reserve Fund.....2,800,000.00

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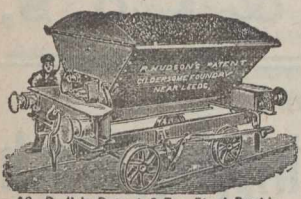
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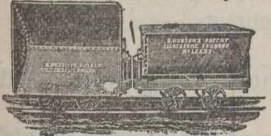
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59—R. H.'s Patent 6-Ton Steel Double Side Tip Wagon, to work with ordinary Rly Wagons



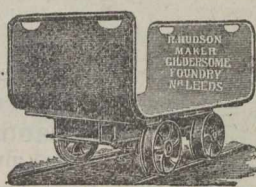
62—R. H.'s Patent Steel Goods Wagon, with Side Doors



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



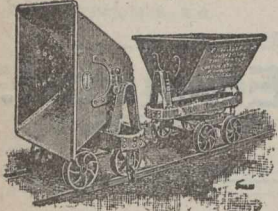
30—R. H.'s Patent End Tip Wagon. Made to any gauge and any capacity.



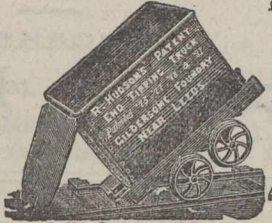
76—Hand Trolley, made to carry any weight or to suit any rail gauge.



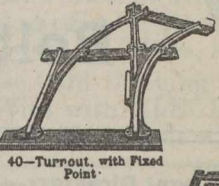
48—R. H.'s Patent Railway Wagon. Delta, Rivets, or Loose Parts. Will last ten times as long as the ordinary kind. Guaranteed thorough satisfactory



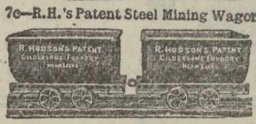
50—R. H.'s Patent Double-Centre Universal Tip Wagon. Slipping either Endways or Sideways at will



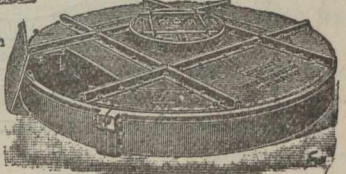
1—R. H.'s Patent Steel End Tip Wagon



40—Turnout, with Fixed Point



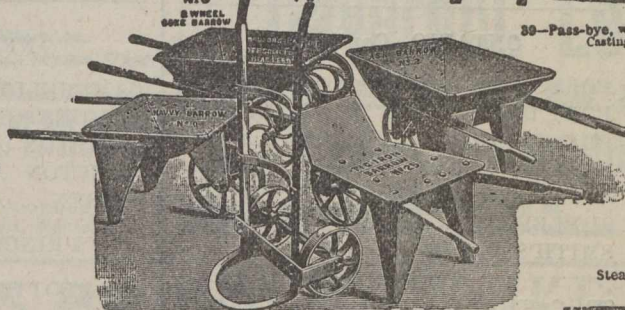
70—R. H.'s Patent Steel Mining Wagon



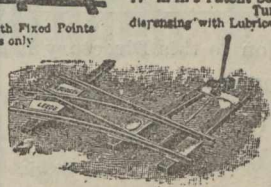
17—R. H.'s Patent Self-contained Ball Bearing Turntable. dispensing with Lubrication and Masonry Foundations



27—Hopper Wagon, with Slide Door



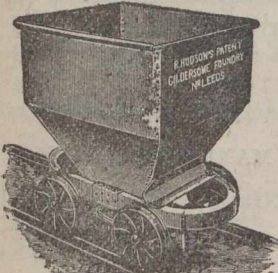
13—R. H.'s Patent Steel Barrows. Practically indestructible



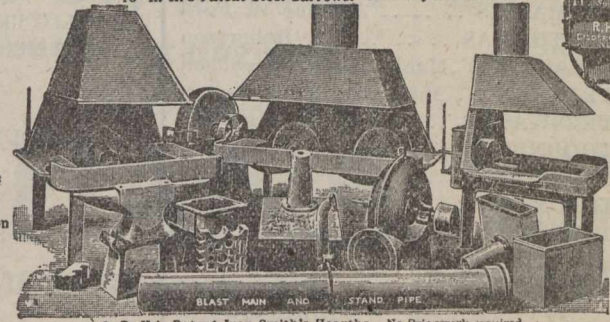
38—Pass-by, with Fixed Points. Castings only



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



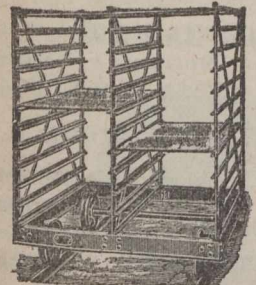
69—R. H.'s Improved Steel Hopper Wagon with Slide Door



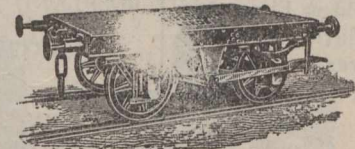
6—R. H.'s Patent Iron Smith's Hearths. No Brickwork required



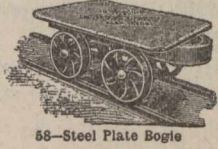
Steamship Barrow. Drawing V 10



64—Cake Drying Wagon



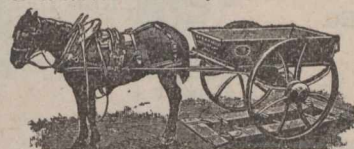
56—10-Ton Platform Railway Wagon



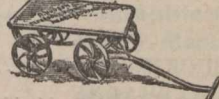
58—Steel Plate Bogie



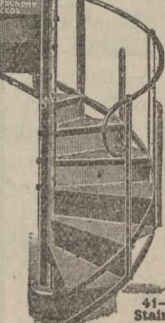
71—R. H.'s Improved Steel Tank Cart. 800 Gallon capacity



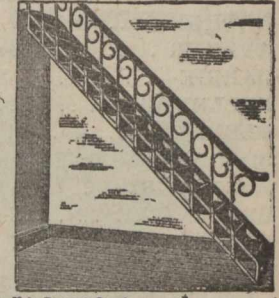
51—R. H.'s Patent Steel Cart, with R. H.'s Patent Steel Wheels and R. H.'s Patent Steel Shafts. Practically indestructible.



22—Two Tons Steel Plate Bogie. "Practically indestructible."



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



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 Fetting Box



57—Steel Coal Box with Drop Bottom



Self-lighting Steel Tip Bucket. Used with Patent Self-lighting Catch if desired



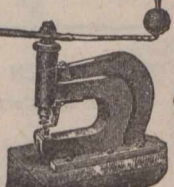
61—Rope Bucket, with R. H.'s Patent Catch for Wire Rope



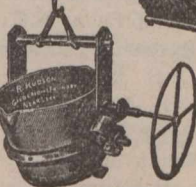
63—Mining Ribble with or without Valve in Back



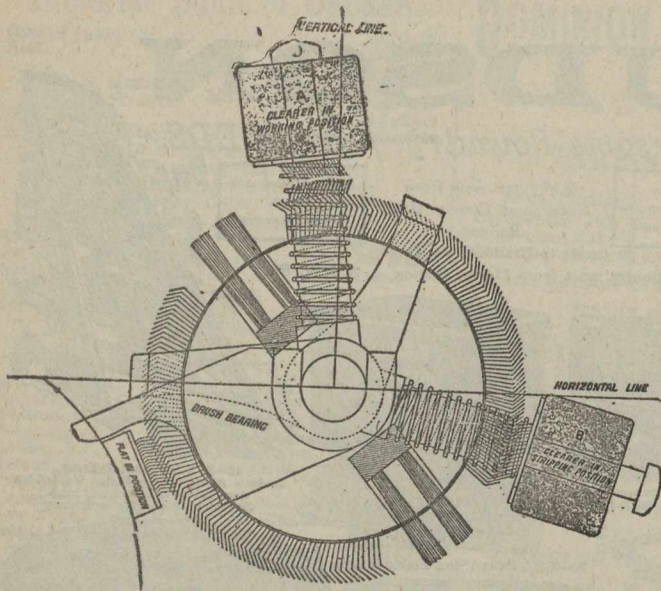
4—Parsons Coal Wagon



52—Fly Punch



53—Foundry Ladle



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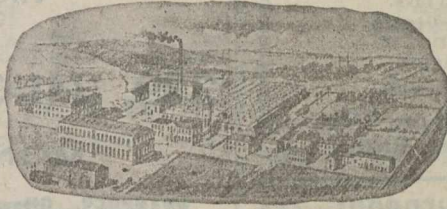
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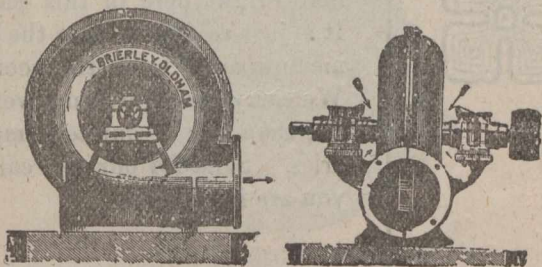
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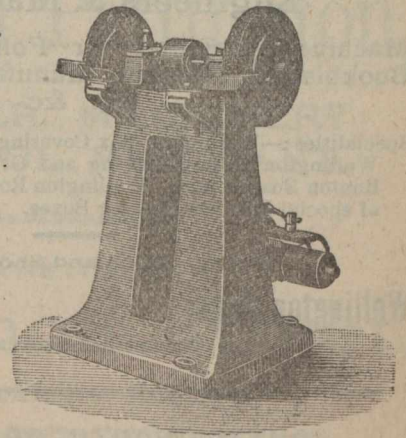
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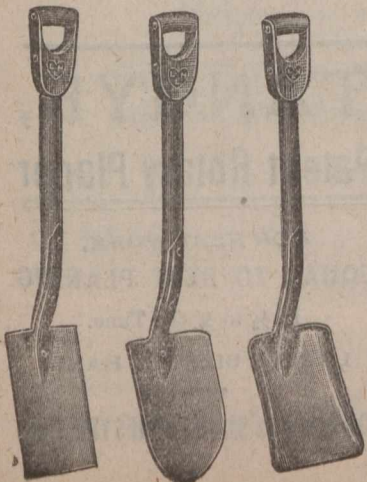
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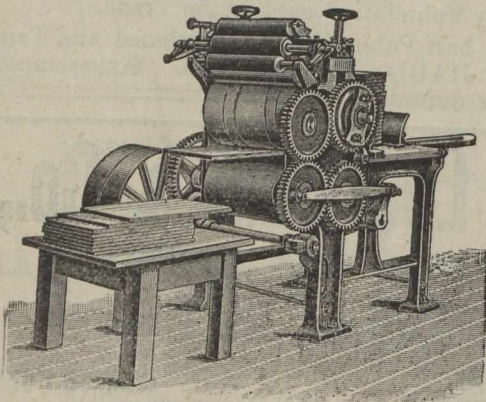
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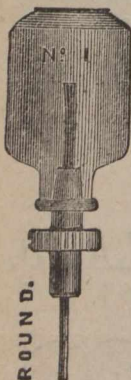
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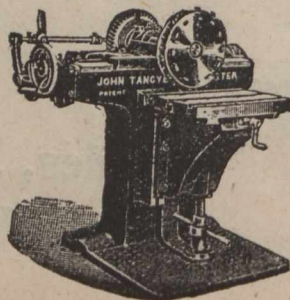
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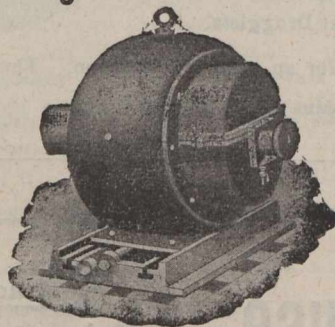
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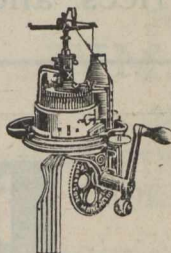
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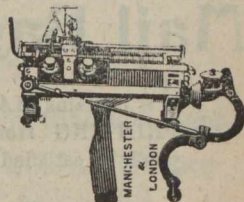
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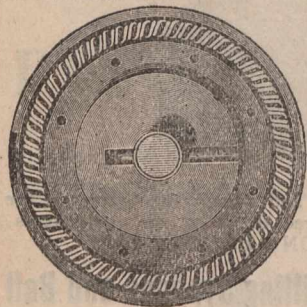
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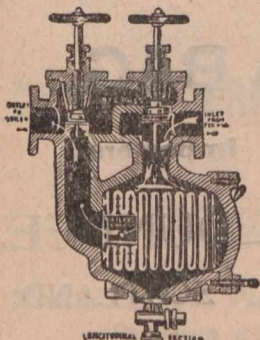
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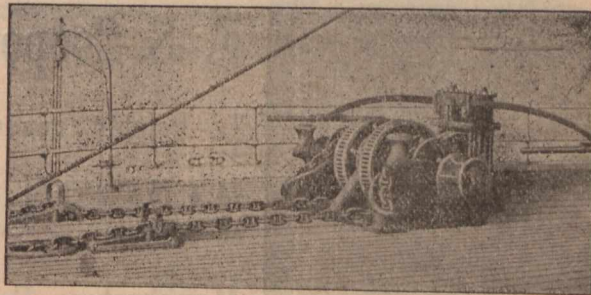
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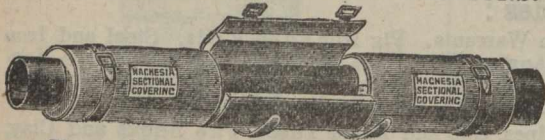
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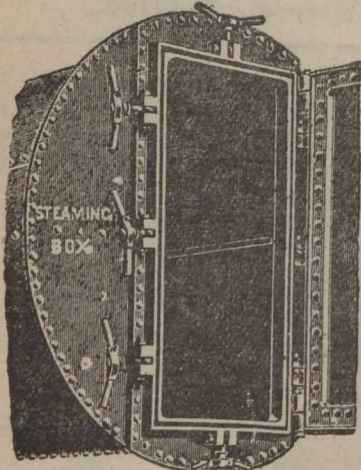
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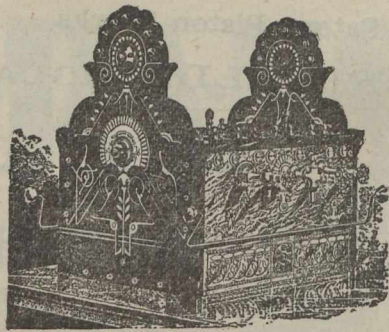
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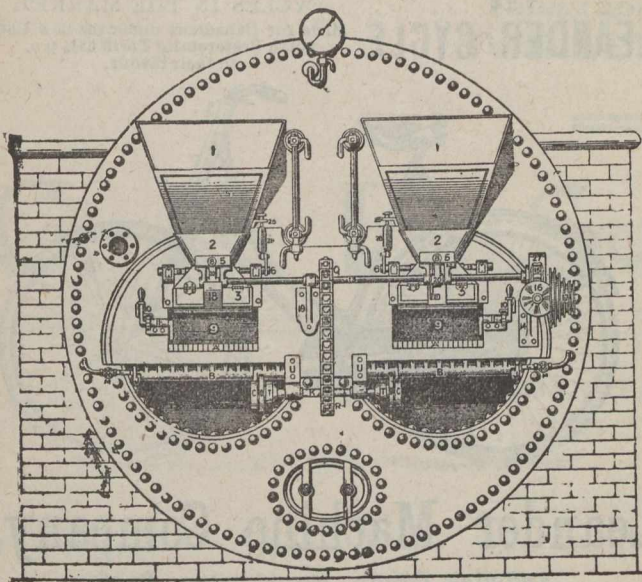
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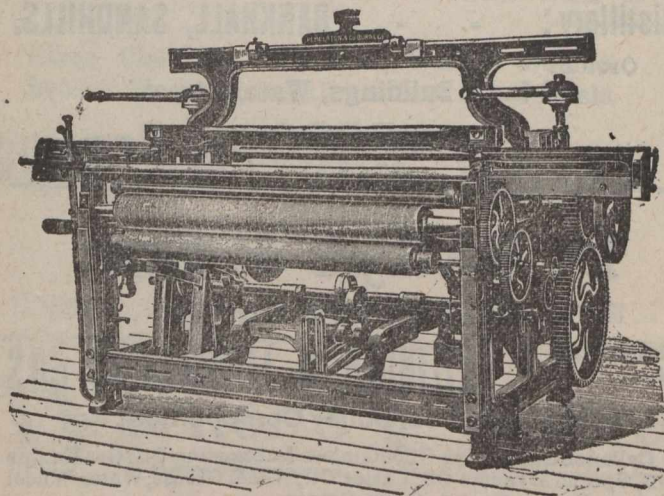


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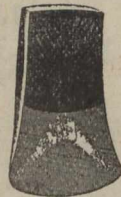
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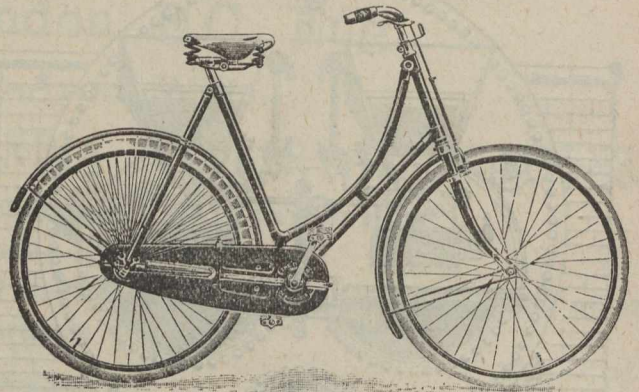
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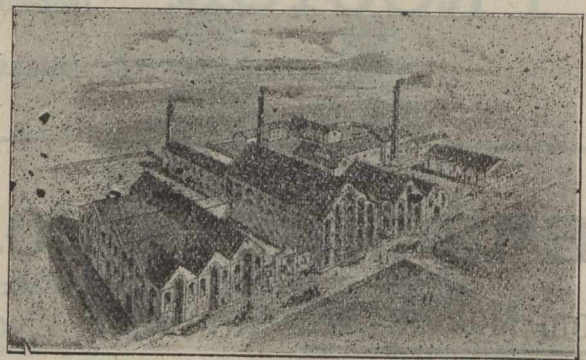
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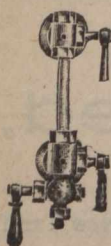
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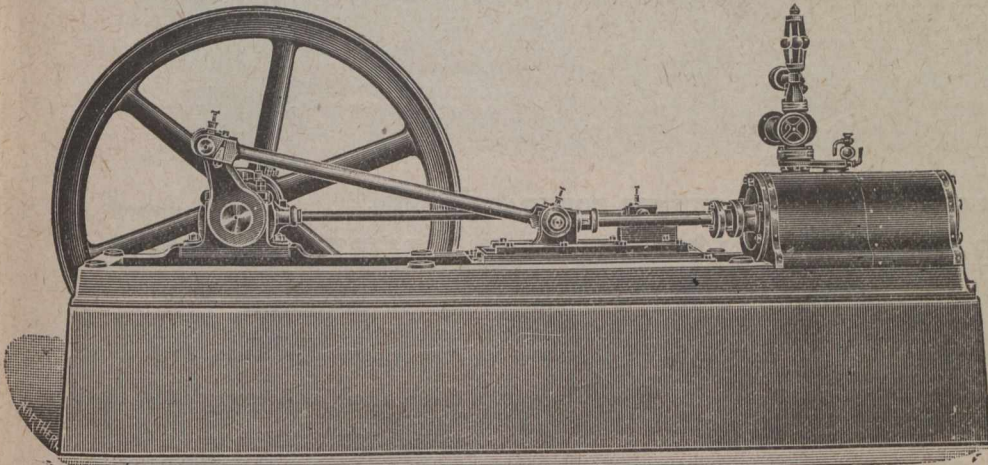
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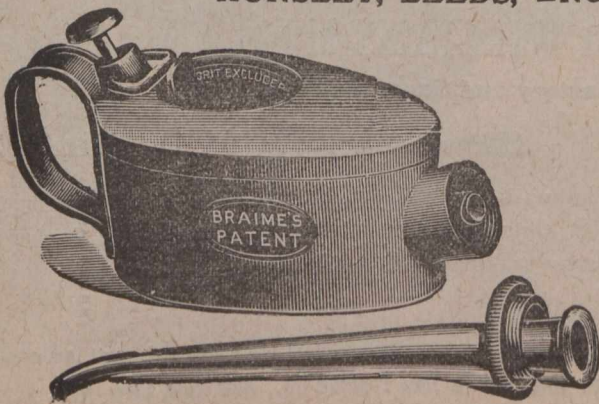
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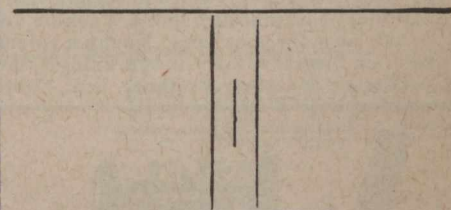
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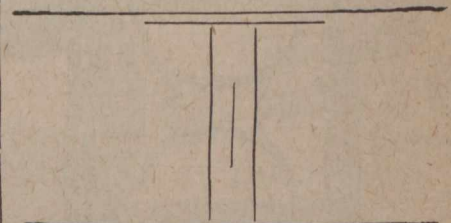
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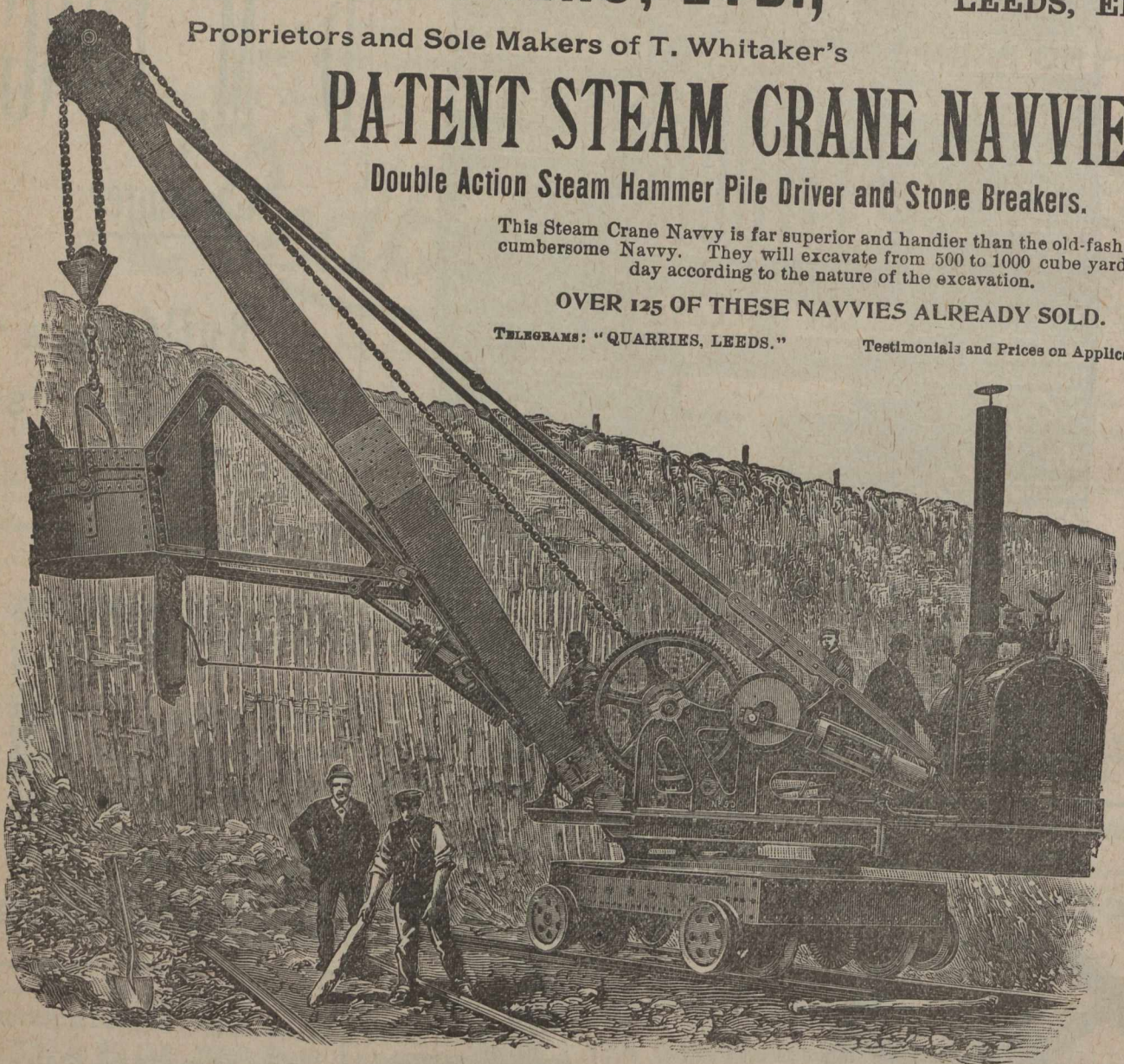
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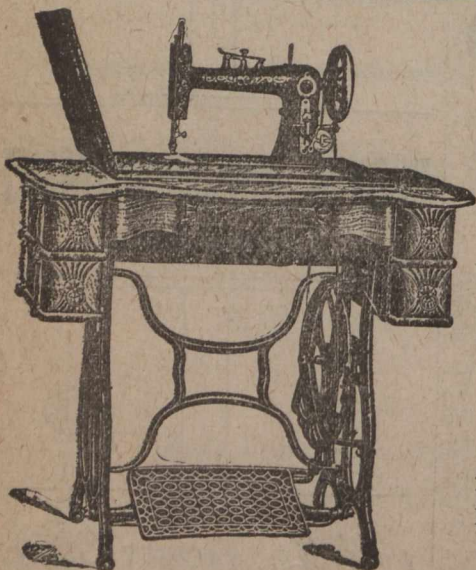
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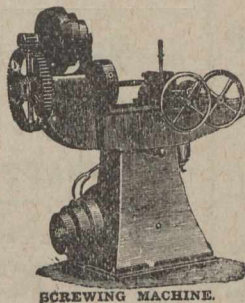
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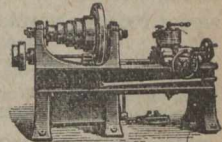
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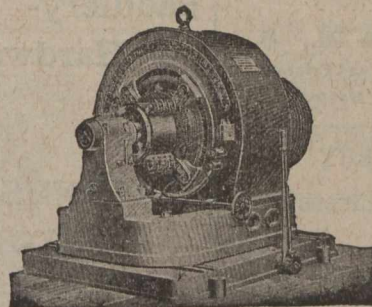
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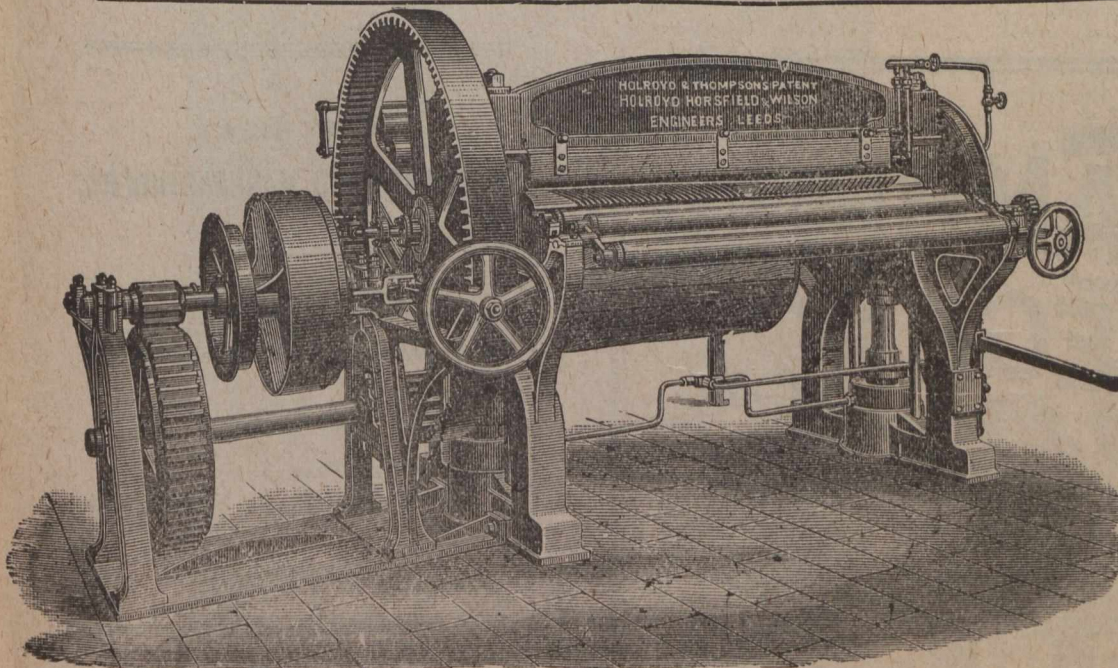
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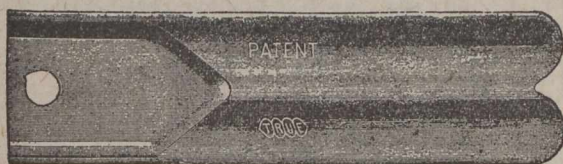
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—The immigration returns show that about 65,000 settlers entered Canada during the year just ended.

—The Guelph, Ont., customs receipts for the month of June were \$6,508, an increase of 553 over last year. For the year ending June 30 the amount collected was \$113,243, an increase of \$10,174 over 1901.

—The returns for June of the London, Ont., department of inland revenue were \$35,327, an increase of nearly \$4,000 over the figures for the corresponding month of last year. The figures for June, 1901, were \$31,535

—Kingston, Ont., inland revenue collections for June were \$12,887.87. Customs collections amounted to \$9,039, an increase over the corresponding month of last year of \$1,786.32. The year's collections were \$3,222.64 greater than for the year preceding.

—According to the assistant secretary of the Ontario Immigration Department, farm help is very scarce, and wages of \$25 per month with board are being offered where a year ago \$20 was the highest figure obtained. The department could place 1,000 within 25 hours.

—The Picton, N.S., lobster hatchery has completed operations for the season, and the official in charge reports that the season has been a very successful one, about 120 million lobsters having been successfully hatched and planted in the waters of Nova Scotia and New Brunswick, especially in the neighborhood of the Northumberland Straits.

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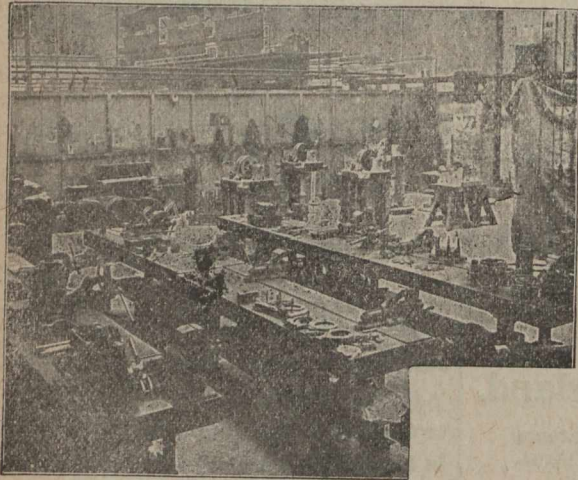
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—Antwerp advices state that coal has been discovered in the Campine district of North Belgium, at a depth of 600 feet, and that Brussels brokers are seeking American capital to exploit the new discovery.

—Fifty miles of colonization roads will be built this season in Algoma, Sault Ste. Marie, and Manitoulin districts. Mr. James F. Boyd of the Soo, the Division Inspector, reports that the famous Indian Point bridge, nine miles from Gore Bay has been completed at a cost of \$13,000, the Federal Government paying part.

—From Ontario we learn that the wet weather is hindering the farmers greatly in their haying operations. Thousands of acres of clover and timothy have been cut and, owing to the almost daily fall of rain it has lain on the ground uncured, and in danger of being spoiled unless there comes a period of bright sunshine and dry weather.

—As a result of shipments of rice having been admitted into Canada which were probably not entitled to the preferential tariff, instructions have been issued from Ottawa that such shipments shall not in future be entered under the preferential class, although milled in Great Britain, unless the product of countries entitled to such abatement, which refers especially to Japan, Java and Siam.

—Regulations have been adopted for the governance of the ferry across the Detroit River between Sandwich and Detroit. The maximum rates are to be: For foot passengers, each way, 5 cents; for horse and rider, 15 cents; for each additional horse, 12½ cents; for two horses, vehicle, and four persons 30 cents; for each head of cattle, 20 cents; for each sheep or pig, 5 cents; for every 100 lbs. of freight, 2 cents.

—A London report of recent issue shows that during the year 1901 a total of 315,056 British vessels entered the ports of the United Kingdom, a tonnage of 83,300,483. Dur-

ing the same period 310,537 British vessels cleared from English ports with a tonnage of 82,878,106. In the same year 36,061 foreign vessels entered ports of the United Kingdom and 35,301 cleared, with a tonnage respectively of 20,609,638 and 20,326,074.

—Paris advices state that the Minister of Finance, M. Rouvier, expects to introduce a bill in the Chamber of Deputies this week providing for the conversion of the 3½ per cent. rentes into three per cents. It is understood that the Government undertakes in the bill not to convert either the new or the old three per cents. for a period not yet determined upon, but believed to be between eight and twelve years. The proposed conversion will effect an annual saving of 35,000,000 francs (\$7,000,000).

—The St. Lawrence power plant at Massena N.Y., has been sold at Massena under foreclosure proceedings begun by the first mortgage bondholders. The plant was bid in by Mark T. Cox of New York, representing the reorganization committee of the first and second mortgage bondholders for \$500,000. More than \$10,000,000 have been expended in the Massena power scheme. English capitalists were heavily interested. The failure of the project was principally due, it is believed, to a lack of field in which to dispose of the company's product.

—A Liverpool cable announces that reports which point to the Americanization of the leading local provision firms there have created somewhat of a sensation. Circulars have been issued to the shareholders of Fowler Bros., one of the largest wholesale firms, inviting them to confirm an agreement to sell the business to Swift & Co., of Chicago. —A despatch from Paris says that an important but unnamed Belgian bank in Paris has failed with liabilities of \$10,000,000.—It is reported that the bank made heavy advances to the Humberts, who are fugitives from justice because of their alleged swindling operations.

ESTABLISHED 1870.

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

PEPPER

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



GRINDERS

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

AGENTS

John W. Bickle & Greening,
HAMILTON, Canada.

Special Prices to Canadians under the New Tariff

JAMES NORTH & SONS,

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

Harvest Gloves, Driving and Dress Gloves, Housemaids' Gloves, Gardening Gloves, White Cow-Hide and Seal and Tan Mitts. Cricket, Tennis, Footballs, Boxing Gloves.

CASH BAGS,

DRESSERS AND MANUFACTURERS.

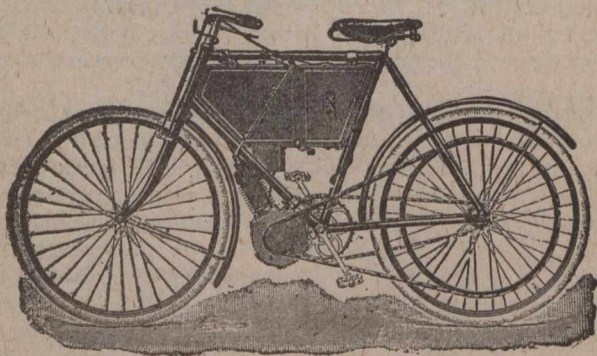
Godley Mills,
and Tower Street Works,

HYDE, Manchester, Eng.

ESTABLISHED 1837.

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.

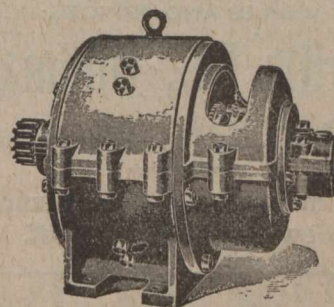
ALFRED SYKES,

ELECTRICAL ENGINEER,

Spring Place Works,

Huddersfield,

ENGLAND.



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

The Department of Inland Revenue has issued two new series of stamps, which as a work of art have not been equalled in Canada for many years. They are designed specially for use in the Yukon. All the stamps are of uniform size, 1 1/2 inch by 1 inch, and are of six denominations, ten cents, twenty-five cents, fifty cents, one dollar, two dollars, and three dollars. The red color is inscribed, "Dawson Mining Court law stamp," and is to be used in the payment of all mining fees. The stamp is an engraving of a prospector in the act of picking up a nugget. The law stamp for the Yukon Territorial Court is in blue, with the figure of Justice holding the scales in her hand.

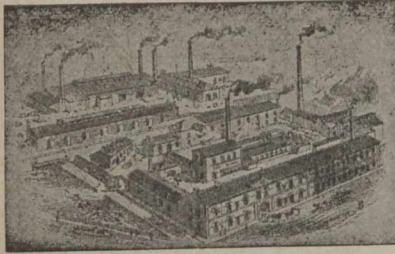
The following companies have been incorporated by letters patent: The Canadian Elevator Company, Toronto,

Telegrams, "SHIPMAN, SHEFFIELD."

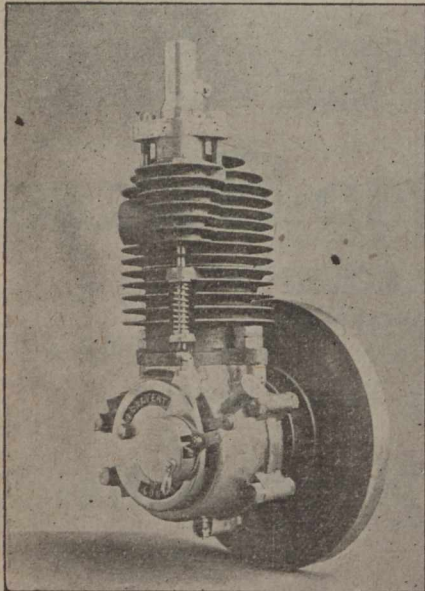
Honourable Mention International Exhibition, 1862

J. SHIPMAN & CO.

Attercliffe Steel Works and Wire Mills,

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

For • Motor • Cycles

Down Hill, Any-
thing on wheels
will run, BUT Up
Hill....**CALVERT'S
MOTORS**ARE
ESSENTIAL.

WORKS AND OFFICES:

**12 Woodville Rd., Mildmay Park,
LONDON, N. ENG.**Specially made for Canadians under the
New Preferential Tariff.**S. RAMSEY & Co,**Manufacturers of BIRD CAGES
of every description.

Aviaries, Parrot Cages, Fireguards, Nursery Fenders

Telegraphic :
"Methodical, London."198, 200, 202a, ST. JOHN ST. (Works, Cyrus St).
LONDON, E.C. Eng.

Telegraphic Address : "TANTIVY, London."

A.B.C. Code

TASMAN REFRIGERATOR CO.,

The Sole Makers of the Original

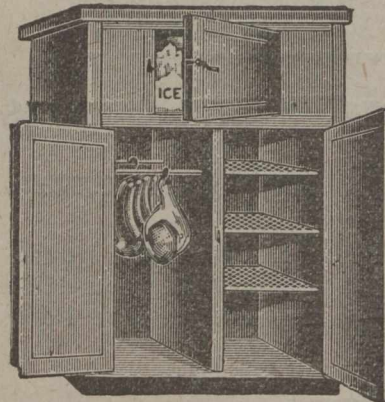
"TASMAN" Refrigerator

Manufacturers of Special Designs of

CHEFS' REFRIGERATING CABINETS.

SUPPLIED TO

The Midland Ry. Co.

The Glasgow and South West-
ern Railway Co.The Grand Hotel Northumber-
land Av., London.The Inns of Court Hotel, Hol-
born, London.The Horseshoe Hotel, Tot-
tenham Court Rd., London.Approved by many Hotel
Managers and Leading Chefs.Particularly adapted for
Hotels, Restaurants, Hospitals
and Infirmeries.Enquiries, Etc., and Orders,
through Merchants.

40 Baltic St., Golden Lane, LONDON, E.C., Eng.

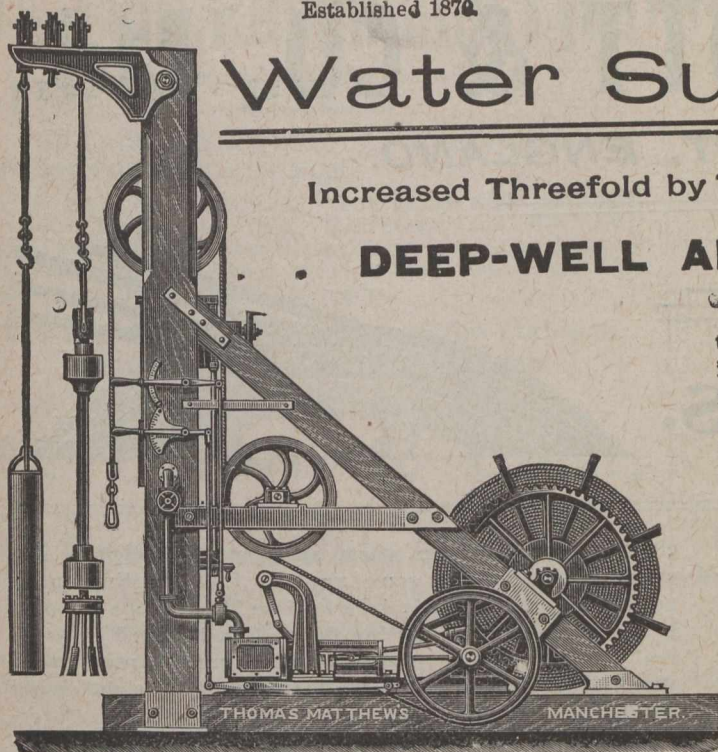
Special terms to Canadians under the New Tariff

capital stock, \$1,000,000; Canadian Pneumatic Tire Com-
pany, capital stock, \$50,000; Canadian Aluminum Works,
Montreal, capital stock, \$100,000; C. W. Lindsay, Limited,
Montreal, piano manufacturers, capital stock, \$400,000;
Dominion Furniture Manufacturing Company, capital
stock, \$100,000; Andrew Gunn, Toronto, and Charles Gillies
McLellan, and James Hedley Flett, Mount Forest, are
among the incorporators of the last-named company. The
incorporators of the Elevator Company consist of James
Steller Lowell, William Bain, Ernest William McNeill, Rob-
ert Gowans, and Richard Richardson all of Toronto.

—Sault Ste. Marie, Mich., advices state that a local
company will build a paper mill to cost two and a half
millions in the Michigan "Soo." Work will be commenced
in the next two months. The plant will manufacture prin-
cipally news and wrapping papers. Other protected in-
dustries are under consideration. It is the company's
intention, it is reported, to prosecute the development of
industries as expeditiously as possible on the American
side until every water wheel is in use. If the mill is con-
structed on the scale suggested it will be the largest sin-
gle plant of its kind in the United States and will become
an important factor in the paper industry of the coun-
try. Pulp for the mill will be imported from the Can-
adian "Soo." The wood for the latter comes from the ex-
tensive wood lands owned by the company, making the
chain from the standing timber to the finished product
complete.

Established 1872.

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.

—The chances that Canadian merchants and manufacturers may have of participating in the trade of the Yukon are to be pointed out to them, says the Globe, by the Canadian Manufacturers Association, which decided to send a special commissioner to the Yukon District to report upon the trade conditions there, and arrange that as far as possible Canadian firms should be in a position to place their goods on that market. The matter has been discussed for some time by the Executive Council of the Association, which considered that business now going almost exclusively to American houses might be diverted to Canadian firms in eastern Canada. At a special meeting of the Commercial Intelligence Committee of the Association, Mr. S. M. Wickett was appointed commissioner to go to the Yukon.

—A charter has been granted the Clover Leaf Mining Company, capital \$1,000,000, head offices, Toronto. The directors are: R. P. Marsh, E. F. Benson, Buffalo; G. C. Rahu, Erie, Pa.; F. B. Denton, K.C., and J. M. Ferguson,

The Liverpool and Bankhall Chemical Company's



The best and most effectual remedy for

Ticks, Lice, Maggots, Scab, Foot-Rot, &c.

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

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

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

SOLE MAKERS:

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

Liverpool,

England.

Toronto. The Canadian Machine Telephone Company, head offices, Ottawa, capital \$250,000, is also authorized to do business in Ontario. R. Neill, Peterboro'; Hon. G. E. Foster, M. H. Ludwig, and J. A. Phin, Toronto, J. E. Ganong, and De Wolf Chipman, Stephen, N.B., are the directors. Other new concerns chartered are the Pan Empire Manufacturing Company, Toronto, capital \$40,000, and the Eureka Specialty Company, Toronto, capital \$40,000.—The Canadian Radiator Company and the Tuckett Cigar Company are authorized to increase their capital stock from \$150,000 to \$250,000 and from \$75,000 to \$150,000, respectively.

—Prosperity in Northern Ontario is freely alluded to by Mr. William Margach, Crown Lands Agent at Rat Portage. The sawmills, the largest industries are, he reports, busier than ever and the expansion of business has required the building of additions to their mills. The demand for lumber for settlers who are pouring into the Northwest Territories is stated to be the chief cause of the boom. The lumber is all dressed before leaving Rat Portage. It is estimated that 100,000,000 feet of lumber will be sawn in Rat Portage and 25,000,000 to 30,000,000 feet in the sister town of Keewatin this summer. Owing to the shortness of last winter, it is expected that the coming winter will be an exceptionally busy one in the woods. The immigra-

SLADE & Co., Ltd.

THE ROYAL
TOFFY WORKS,

LEEDS, - ENGLAND.

Manufacturers of
the finest

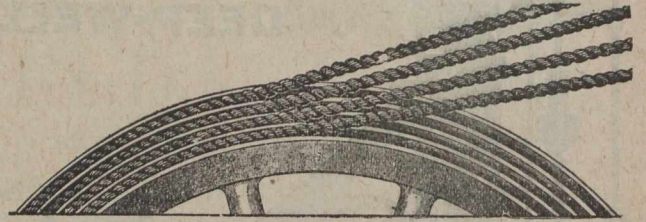
HOME
MADE
TOFFY.

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

HANSON, SCOTT & CO., Ltd.,

STOCKPORT, ENGLAND.

Cotton Driving Ropes.



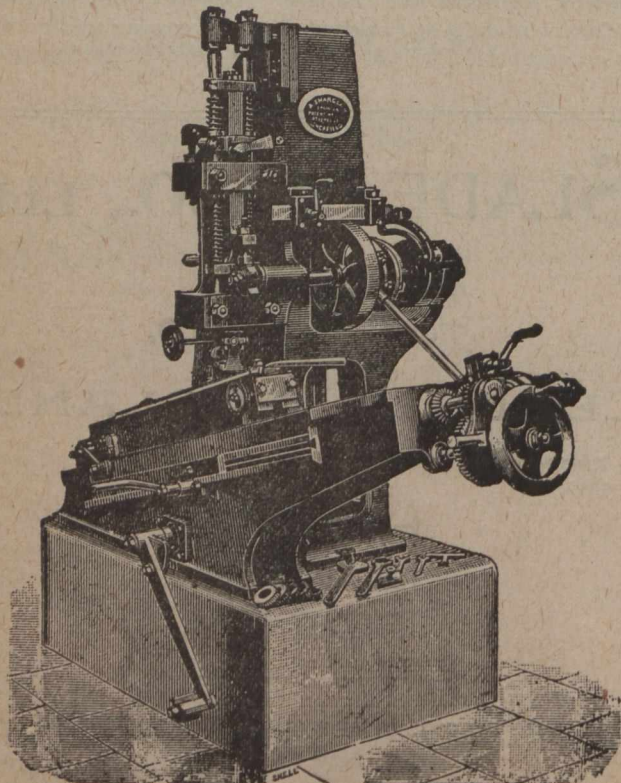
tion into the Rainy River Valley this year is greater than ever, some of the townships only recently opened, having been occupied in part by squatters, whose rights will of course be protected. Advice received by the Crown Lands Department show that Mackenzie & Mann have recently made a discovery of hematite iron ore in the vicinity of Steep Rock Lake. There is also a good deal of activity in the gold fields around Upper Manitou Lake, north of the Seine River. The new stamp mill at the Big Master has been started.

—Montreal grain men attribute the increase in grain shipments from Canadian as compared with American ports, which has been creating so much discussion in trade circles in the principal United States centres, to the large amount of Manitoba wheat which is moving, and also to the fact that Manitoba wheat is now, comparatively speaking, the cheapest wheat on the continent. A grain exporter stated that up to this year the greater portion of the Manitoba crop had gone out late in the autumn or during the winter, but the present season has been exceptional in this regard, the consequence being that Montreal as well as other Canadian ports were receiving the benefit. Another and very important reason is the exceptional

cheapness of Manitoba wheat as compared with the American article of the same grade. In fact Minneapolis millers are taking Manitoba wheat to Minneapolis in bond, grinding it and shipping the flour abroad. Asked if Montreal was favored as regards rates, a grain expert stated that the rate must be a trifle better or the freight would not be coming this way. There was, however, no over-supply of grain for shipment, even at Montreal. As a matter of fact, there was not half enough to go around at present, and ships found it difficult to get sufficient cargo. Up to this year the greater portion of the Manitoba grain shipped abroad has gone out via American ports, and now it appears that Canada is getting back at least a portion of her own.

—The last return of the Canadian chartered banks, made in accordance with the statute of the Department of Finance, shows says an Ottawa report, development hard to realize. Doubtless there are many homes where funds are scarce in the best of good times, but nevertheless it is abundantly clear that there never was a time in the country's history when our banks held so much money on deposit. A comparison with the corresponding return for 1896 is instructive. It shows that in the last six years

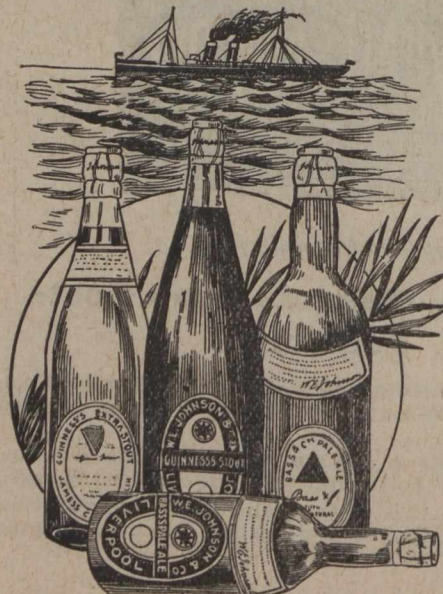
Ambrose Shardlow & Co., Ltd.,
Ealing Works, ATTERCLIFFE, Sheffield, Eng.
Patent Improved File-Cutting Machines.
NEW TYPE.



ESTABLISHED 1869.

Bottled Beer and Stout

FOR EXPORT.



The "Compass" Brand

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

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

W. E. JOHNSON & CO.,
67-69 Leeds St., LIVERPOOL, Eng.

The Toni Pneumatic Tyre

(Patent No. 26,555, 1898.)

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

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

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

All Communications to be addressed to

F. TONI & CO.,

Tyre Manufacturers,

20, Hanway Street Works, Oxford Street,

LONDON, W.C., ENG

Telegraphic Address: "TONISMO, LONDON."

Special Rates to Canadians under the new tariff

W. E. W. Clay,

HOLBECK, LEEDS, Eng.

LOW HALL MILLS,



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

the note circulation has expanded more than seventy-two per cent.; the call loans in Canada more than two hundred per cent.; the current loans in Canada nearly forty-seven per cent.; the paid up capital about eleven and one-half per cent.; the reserve account nearly fifty-three per cent.; the total liabilities nearly one hundred per cent., and the total assets about eighty per cent.

	1896.	1902.
Total deposits	\$183,816,061	\$341,863,961
Loans and discounts	206,970,096	303,738,698
Liabilities	27,295,944	450,089,961
Assets	315,212,349	566,361,673
Capital paid up	62,198,413	69,358,448
Note circulation	29,000,444	50,754,716

This expansion is without parallel in our history, and has probably never been surpassed in any part of the world by a people similarly situated. It has been said by those competent to judge that the only weak point in the system is the low percentage of cash reserve to liabilities. Recently, out of the thirty-five chartered banks, eight held a cash reserve of nine per cent.; fourteen, a reserve of from five to nine per cent.; and the rest less than five per cent. In May, of 1886, the note circulation was \$28,900,765. and the deposits \$112,090,403, and the loans and discounts, \$164,055,091.

—Such dispatches as the following, emanating from a little town in Wisconsin, which derived its name from a flock of crows, tell us that our Southern neighbors at least recognize our resourceful existence, even though the opening sentence is suggestive of the impression down there that Canada is no larger than a good sized farm.

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

MANUFACTURERS of every DESCRIPTION of

Hydraulic & Electric Machinery.

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

Telegraphic Address: "Muskers, Liverpool."

Kaukauna, Wis., June 28, 1902.—One of the greatest schemes for the development of Canada's resources yet undertaken is that proposed by Col. H. A. Frambach, who with Chicago and Detroit capitalists, is building a large paper mill in Northern Michigan. The company has secured the co-operation of Boston and New York capitalists in the purchase of 600,000 acres of the best spruce timber in Newfoundland. The company plans, it is said, to take up still more Canadian land at an early date, and it is reported, though this is not confirmed by Colonel Frambach, that one of the plans is the erection of a great paper mill on the Canadian side of the boundary of Maine. Another plant above Ottawa on the Ottawa River is considered. The plan to build a paper mill across the line it is said is owing to the duties imposed by Canada on the export of pulp wood. Another feature of the plan is the belief of Colonel Frambach that eventually Canada will be annexed to the United States, and that he and his colleagues are having this event in mind in taking up large spruce properties. The company has already secured options on Canadian timber and expects a corps of timber estimators to return soon from Newfoundland, where they have been investigating the pulp resources. It is said by Colonel Frambach that there is a stretch of 100 miles of almost

SASH = WEIGHTS



Manufactured for the Canadian Market under the New Tariff, by

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

Established 65 years. Telegrams: "SUBLIME, Liverpool."

DESSICATED COCOANUT.

...

JOHN SHORE & SON, 39 Old Hall St.,

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

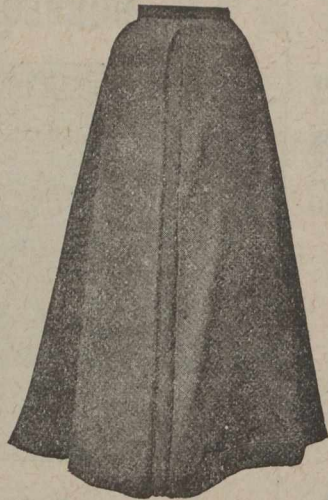
LIVERPOOL, Eng.



TRADE MARK.

Unshrinkable**Cycling . .****Skirts . . .**

"THE ERA."



The "ERA."
The "ARIEL."
The "ECLIPSE."

Simple.

Perfect Fitting.

Graceful

NO COMPLICATIONS.

These Skirts are made from BARKER & MOODY'S Celebrated Unshrinkable Cycling Costume Cloths, which are manufactured expressly for this purpose.

BARKER & MOODY, Kirkstall Road,
LEEDS, Eng.

Special rates to Canadians under the New Tariff.

solid pulp wood timber of the largest size, which would be available with little difficulty for the pulp mills. It is reported that some of those back of the project are interested also in the Great Northern Mills at Millinocket, Me. Colonel Frambach said today that he would be willing to invest half of his fortune in the timber of Canada.

Telegrams : "MOTOR, LEYLAND," ENGLAND.

HIGHEST AWARDS.

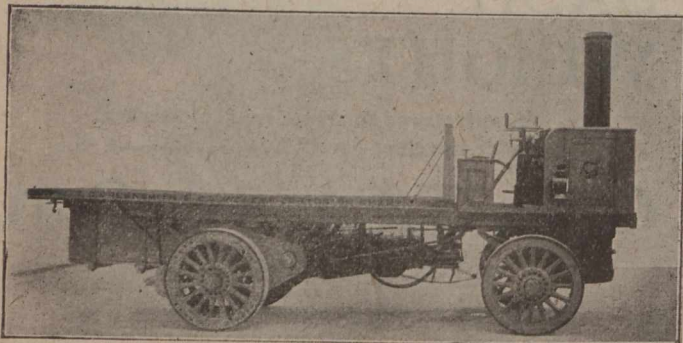
1st Prize, £100, Royal Agricultural Society of England.

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

Gold Medal, Highest Award,

Liverpool 1900.

Etc., Etc., Etc.

STEAM WAGONS.

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

Special prices to Canadians under the new preferential tariff.

—It was recently reported from London that butter of excellent quality from Normandy was supplied to saloon passengers on a steamship plying between Montreal and Liverpool. The writer expressing surprise at the foreign product taking the place of Canadian, with the result that the letter was shown to Prof. Robertson, Commissioner of Agriculture, who forwarded it to the shipping firm in Montreal. He stated that Normandy butter is available all the year round and is uniformly good. It is not as nice as the very best Canadian creamery butter but, on the other hand, there is a considerable quantity of butter produced in this country which does not rank as first-class. In Normandy the butter is collected from the farms and taken to a blending house, where every sample is passed upon by an expert. It is then with great care blended in such a way that the butter is always of uniform quality. Such a system is not possible in Canada, owing to geographical and other reasons. If the steamship companies were supplied with the best Canadian they would have no cause to complain. The dealers in England regarded the companies as profitable customers, and exercised the utmost care in selling them none but products of first-class quality. This was an example which might well be copied. Still in regard to its butter and its poultry Canada is advancing, and Prof. Robertson mentioned the case of one steamship company which now invariably uses Canadian-fed chickens as being of uniformly better quality than the English birds.

—Net earnings of the United States Steel Corporation for the last three months, says a New York dispatch, broke all records since the organization of the billion dollar trust. They amount to \$37,691,696, or an increase of \$11,327,856 over the net receipts for the same three months a year ago. The unrivalled prosperity of the steel and iron business of the country thus makes itself evident in the increase of forty-three per cent. in the net earnings of the big corporation. The earnings for May last, \$13,120,930, exceed that of any previous month. In October last immediately following the settlement of the strike, the earnings were \$12,205,774, but this amount has been three times exceeded during the last three months. One item of particular interest in the statement was the amount of dividends paid on the subsidiary companies. In the last six months only \$106 was paid out for this purpose, while in the first twelve months of the company's existence \$25,350 was paid out for the same thing. This indicates that practically all the underlying stock is now the property of the big holding company. Besides examining the report on the earnings, dividends at the rate of 7 per cent. on the preferred stock and 4 per cent. on the common were declared. These will be paid on August 16 for the preferred, and September 29 for the common.

—The British Board of Trade returns for the six months ending June, show the following increases: British imports from Canada: Bacon, £121,000; hams, £62,000; butter, £72,000; wheat, £477,000; wheat flour, £67,000.—Decreases in British imports from Canada: Sheep, and lambs, £23,000; cattle, £6,000; cheese, £32,000; eggs, £13,000.

ESTABLISHED OVER A CENTURY.

GEORGE JOHNSON & CO.,

Cutlery and Razor Manufacturers,

Schwab's Razors, Full Hollow Ground.



Never requires Regrinding. Black handles 32s. per doz. Ivory handles, 50s. per doz.
Makers of the Celebrated "Seven Stars" and "Pipe and Dart" Razors, in great variety, with either Flat or Hollow-Ground Blades. Made from Highly Refined Steel.

29, Norfolk Lane, - - SHEFFIELD, ENGLAND.

BEST and CHEAPEST ADVERTISING MEDIUM.

Cheap Enough to give away.

PATENT CORK SCREW



Any name or firm printed on free of charge.
For Prices, &c., Apply to

BECK & POLLITZER, 29 Upper Thames Street
LONDON, E.C., Eng.
USEFUL AND ATTRACTIVE PRESENT

000; oats, £173,000; peas, £82,000; maize, £226,000; hewn wood, £32,000; sawn wood, £184,000; horses, £9,000. The imports of canned salmon totalled £908,000, and of canned lobster, £69,000. Exports to Canada increased as follows: Salt, £2,000; wool, £2,000; cotton piece goods, £96,000; linen piece goods, £11,000; jute, £9,000; silk, £11,000; woolen tissues, £45,000; worsted tissues, £75,000; carpets, £11,000; cutlery, £7,000; hardware, £5,000; pig iron, £29,000; bar iron, £18,000; railroad iron, £23,000; sheet and boiler plates, £36,000; galvanized sheets, £40; tin plates, £34,000; cast wrought iron, £30,000; unwrought steel, £111,000; haberdashery, £24,000. The decreases were:—Spirits, £11,000; cement, £16,000; earthenware, £5,000. Wearing apparel and slops waterproofed totalled £14,000 and not waterproofed £133,000.

—The Minister of Marine and Fisheries has received a telegram from Attorney-General Eberts of British Columbia, agreeing, on behalf of his Government, to a renewal of the modus vivendi entered into last year between the Dominion and the Province with respect to the fisheries, pending the result of the adjourned conference on fisheries administration. Last year the British Columbia Legislature passed an act to enable the Province to exercise all the powers which it believed devolved upon it under the judgment of the Privy Council. This included the right to issue licenses and collect revenue in regard to the fisheries in certain territorial waters in British Columbia. At the request of the Minister of Marine, the Provincial Government last summer agreed to hold the provisions of the act in abeyance pending a settlement of points in dispute and to allow the Dominion to issue licenses and collect the

revenue on the understanding that the portion of the receipts to which British Columbia might be entitled should ultimately be refunded. It is this arrangement which has now been renewed. The conference on the fisheries will probably reassemble in September.

—A Johannesburg, S.A., despatch says that at the meeting of the Chamber of Mines Mr. Fitzpatrick, the President, made an important statement, the result of an interview which a deputation from the Chamber has had with Lord Milner regarding recent legislation. The new gold tax at first caused a certain amount of alarm, but a calmer view was subsequently taken, and the opinion generally prevails now that the burden will not prove excessively onerous. Uneasiness was also felt lest this impost should be the prelude to others and at the creation of new taxes without any disclosure of the financial position, or any remission of burdens. Lord Milner, however, has now allayed all apprehension by his frank statement to the deputation. The new tax will bring in £500,000 in the next financial year and this, he estimated, with probable revenue from other sources, would balance the local expenditure, including a share of the cost of police and the interest on the debt required. As he understood, His Majesty's Government did not intend to defray any portion of the war expenditure by means of additional taxes.

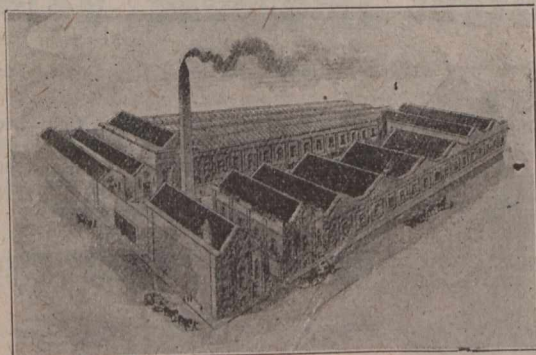
—As the people of the United States do not like to be declared behind in any matters contributing to the general good, it did not take them long to have peace declared in the Philippines, once hostilities ceased in South Africa. A Washington dispatch of recent date reports that the President formally declared the restoration of peace in the Philippine archipelago. He has placed the islands under complete civic control, and has extended general amnesty to Filipinos who have been in rebellion. These three

Established 1861.

.. Bootle Jute Factory Co., Limited ..

SPINNERS
AND ...
MANUFACTURERS.

JUTE BAGS AND BAGGING.



JUTE SACKING & SHESSIAN'S.

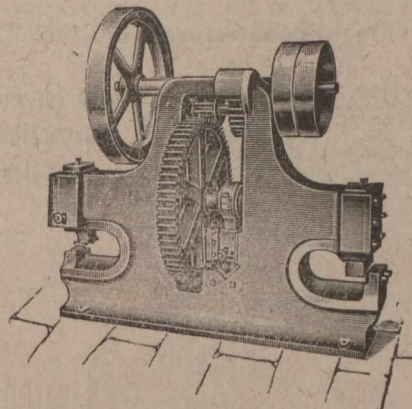
DUNDEE WORKS,

BOOTLE, - Liverpool, Eng.

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

A. Kinghorn & Co.,

Phoenix Ironworks, Millwood,
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Double End Punching and Shearing
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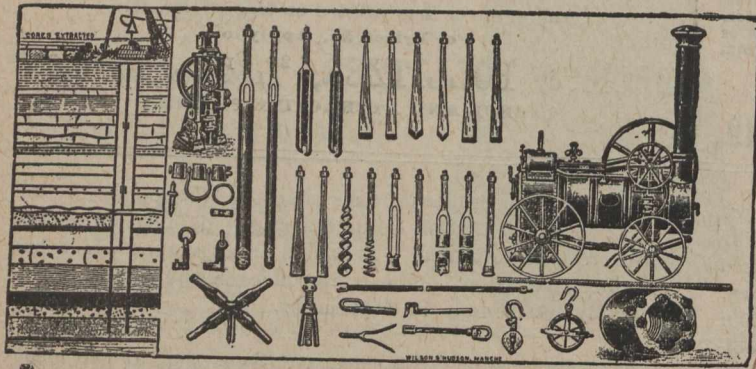
Canadians have 38½ per cent. in their favor by purchasing these
Machines, under the New Canadian Tariff.

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Boring for Minerals, Oil,
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Artesian Wells put down to any depth

Manufacturer of
all kinds of

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

Special Estimates under the New Canadian Preferential Tariff.

things, marking one of the most important chapters in Philippine history, were accomplished through the issue of three separate orders and proclamations, one by the President over his own signature, extending amnesty; one through Secretary Root, by the President's order, relieving General Chaffee from his duties, as military governor, and a third, which takes the shape of a general order addressed to the entire army of the United States, in which Secretary Root takes occasion to express the President's high appreciation of the work it has accomplished both in Cuba and in the Philippines.

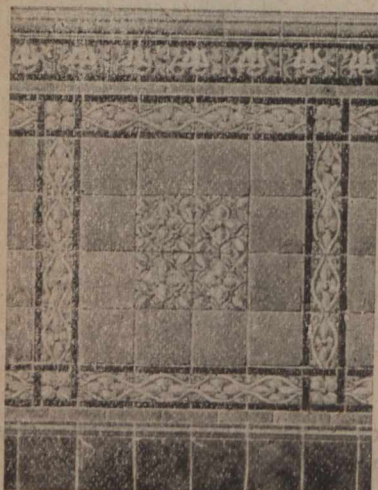
—The Ontario Power Company, which has already the privilege of feeding a plant at Niagara Falls by diverting water from the Welland River, down the height of land into the Niagara River, has made application to the Government for an additional system of power, whereby water shall be diverted from the Niagara River by conduits to a power-house, below the Falls.—A supplementary agreement prepared provides that the company shall pay a rental of \$30,000 a year instead of \$15,000 and a certain rate per electrical horse power per annum by the following scale: From 20,000 h.p. to 30,000 h.p., \$1; from 30,000 h.p. to 40,000 h.p., 75 cents; over 40,000 h.p., 50 cents. This schedule, it is stated, by way of illustration, would produce a rental of \$47,750 per year in case 40,000 h.p. were developed.—The Canadian Niagara Power Company, which is constructing a plant to utilize the power of the Falls on practically the same territory, is opposing the application. In the meantime, the residents of the Niagara Peninsula are awaiting some actual developments.

—Mr. Wm. Hutchison, Exhibition Commissioner of Canada, left for British Columbia recently to interview the manufacturers and producers of that province with regard to their making a display at the Imperial Japanese exhibition at Osaka next year. The postponement of the St. Louis Exhibition until 1904 will enable the Department of Agriculture to devote more attention to the Japanese Exhibition. It is understood that Canada will build a special hall at Osaka in order to exhibit Canadian products, but in order to do this more money will be necessary than was voted by Parliament. Mr. Fisher, it appears, only asked for \$5,000, a sum barely sufficient to pay Mr. Hutchison's salary and expenses. It seems that Canada first asked the exhibition authorities for a space of 10,000 square feet in the Foreign Samples Hall for the exhibition of Canadian goods, and when informed that so much space was not available the idea of a special building was mooted. It is likely that Mr. Hutchison will go to Japan in the near future to consult with the authorities of the exhibition.

—We learn from Moncton, N.B., that oil explorations are being actively pushed there. A fortnight ago Mr. M. W. Shaw, Petrolea, successfully torpedoed well No. 7 at St. Joseph's on the Westmoreland River. This was done for the New Brunswick Petroleum Company, in which Toronto and Halifax capital is largely interested. Well number 5, being the second well torpedoed, was subsequently shot at St. Joseph's. This well, which taps the oil sands at about three hundred feet, was drilled nearly a year ago. When it was drilled and since that time until now the oil sands

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Manufacturers of



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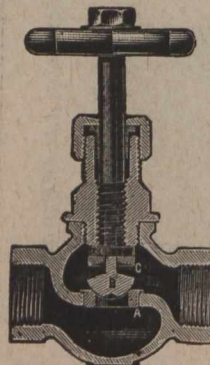
Swan Tile Works,

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Special prices to Canadians under the New Tariff.

The "SHAW" ..Patent Improved Valve..

FOR STEAM OR WATER



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

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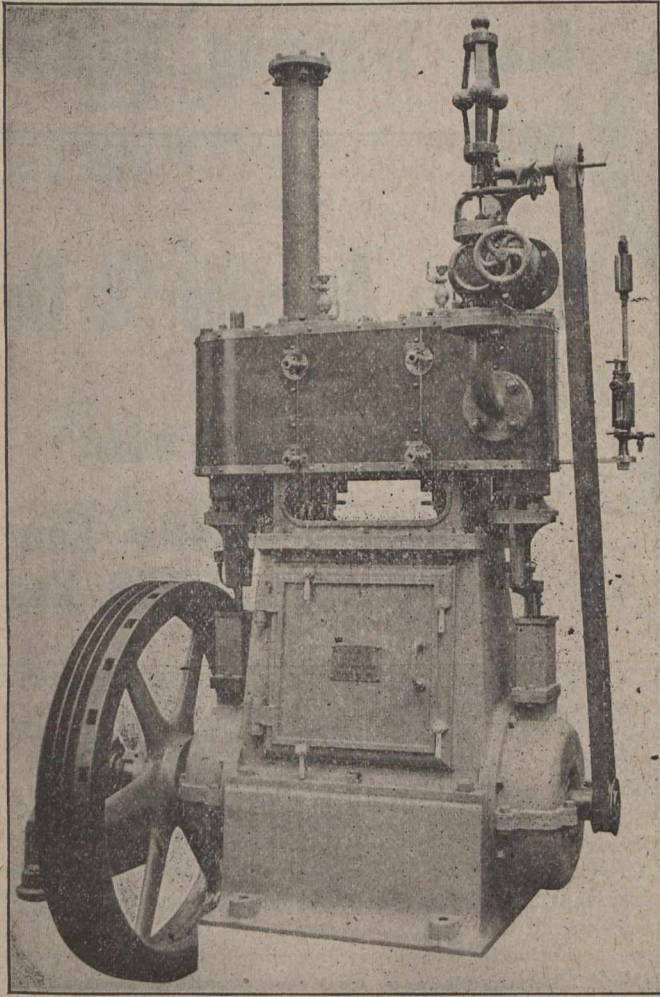
For Coupling pipes at an Angle, is the most Up-to-Date Coupling in the market. Send for full particulars of this and other "Shaw" specialties to . . .

JOSEPH SHAW,
HUDDERSFIELD, ENGLAND.

ALBERT
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Telegrams:
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Supplied under the New Canadian Preferential Tariff.



These Engines are manufactured from 30 horse to 150 horse power under the new Canadian Preferential Tariff by _____

BEN. J. GOODFELLOW,

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HYDE, nr. MANCHESTER,
ENGLAND.

in that well yielded a very small quantity of oil. The effect of the explosion was good. This well is proving equally as good as number 7. This latter well has increased its oil level to 190 feet. It started at 150 feet. The company are now erecting tanks near each well, connecting with a central tank. The pumping machinery for the new well is being placed in position. The four existing wells in Albert County will be exploded within a few days, and are expected to be great yielders.

--Vancouver, B.C., advices of recent date report that the Canadian steamship Princess May arrived from Skagway with 200 passengers and no gold. She reports that the American steamers are following with big treasure destined for San Francisco and Seattle; that the Canadian banks are purchasing all the gold through their branches in Dawson and shipping it to Seattle in spite of the Federal Government assay and purchasing offices in Vancouver. Prof. Hannel, who has charge of the Dominion Assay Office, speaking in reference to the above dispatch, said that nothing else could be expected. He said that it is just as cheap to ship to Seattle, and more convenient, as the United States is the ultimate market for the gold. The Government hopes to turn the stream of gold in the direction of Ottawa when the mint is built, but, so long as there is no mint, the dust must go to the States. The assay offices have nothing to do with this phase of the question, having been built for the benefit of the miners.

--Mr. William Hutchison, Director of Exhibitions, has submitted to Hon. Sydney Fisher, a memorandum in favor of establishing permanent rooms or headquarters at Ottawa. Mr. Hutchison's idea is to gather in these rooms collections which shall illustrate the agricultural, horticultural, mineral, and forest resources and wealth of the country, and which, whenever Canada participates in an international exhibition, can be easily drawn upon at a minimum of cost and convenience. Furthermore, he would

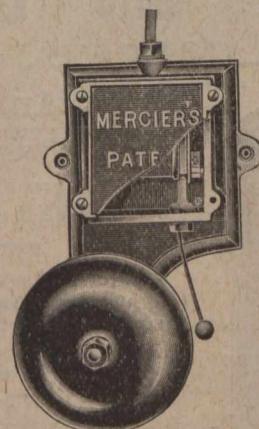
have on view at the bureau, for the benefit of Canadian manufacturers and producers samples of the products of the Dominion put up in the manner best suited to the needs of the foreign market. The conditions of a market vary with the country catered for, and the climate is often an important factor to be considered. Mr. Hutchison would have on exhibition the products wanted by our most promising customers put up in the manner which they favor most.

--Toronto News Items.--The Master-in-Ordinary recently appointed Mr. R. F. Spence permanent liquidator for

Watertight Electric Bells,

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

The Best, The Cheapest.

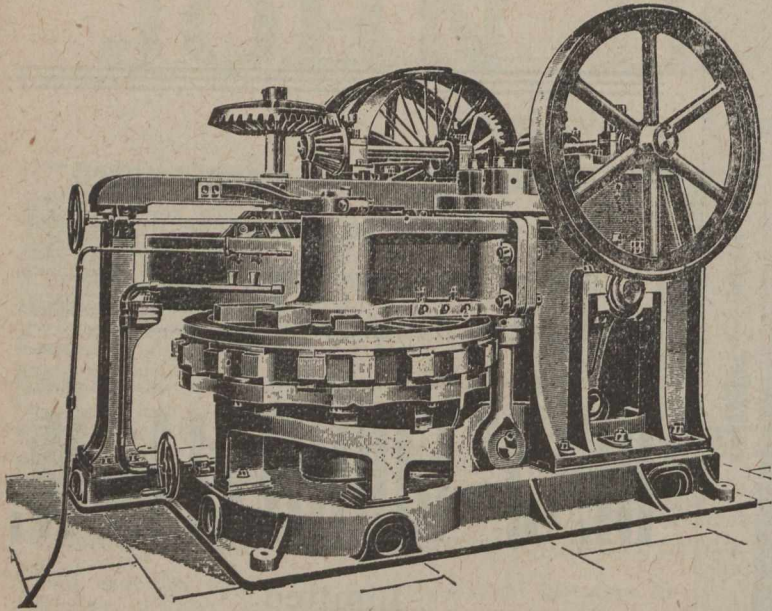


The only Real Good Bell

MERCIER'S PATENT, LIMITED,
SALFORD, MANCHESTER, Eng.

Telegrams: WENHAM.

Telegraphic Address:
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Brick, Tile and General Clay Working Machi- nery

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Herbert Alexander & Co.
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Queen's Engineering Works:

Water Lane,
LEEDS, Eng.

the Enterprise Specialty Company. The liabilities are about \$2,000, and there is a nominal surplus made up of unpaid calls on the stock, which, however, are looked upon as of doubtful value.—Prof. W. G. Miller, Provincial Geologist, reports to the Bureau of Mines that a new copper property, which is at least a good prospect, has just been opened near Massey Station by the Massey Copper Mining Company. This company is largely composed of the directors of the Ontario Smelting Company, and the ore will likely be smelted at their plant at Copper Cliff.—The large railway yards at the Don will be demolished and reconstructed by the Grand Trunk at a cost of \$25,000 or \$30,000. Many changes will be made in the yards, the stock pens and the station, and it will be some months before the work can be finished.

—Prof. Robertson is making efforts to extend the Canadian poultry market in Great Britain. During the twelve months just ended chickens exported to Great Britain from the illustration stations fetched from sixpence three farthings to eightpence per pound. Ocean freight, including

haulage, and commission, was one cent per pound on shipments of over 200 chickens so that sixteen cents per pound in Liverpool equals fifteen cents per pound in Montreal. A Montreal merchant has made inquiry for 500,000 pounds weight of specially fattened chickens to be delivered in Montreal this fall. He guarantees to pay not less than ten cents per pound. A prominent Manchester commission merchant has written the Department of Agriculture to recommend firms who could sell him a few thousand chickens, to arrive in December, January, February, and March. The chickens must be of same stamp as those received from the Smithville, Ont., experimental station last season.

—In view of the recent enactment in Great Britain that butter to be accounted genuine must not contain more than 16 per cent. of water, it has been deemed advisable by the Canadian Department of Agriculture to ascertain the average moisture-content of Canadian creamery butter. To this end samples of butter as packed for export are being collected for analysis. Two samples taken a week apart are being sent to Ottawa from each creamery, the first to

Carbide Stores, Warehouse and Salesrooms :
GEORGE STREET, CHAPEL STREET, SALFORD, ENG.

THE IMPERIAL "S. C."

Acetylene • Gas • Company,
LIMITED.

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Telegraphic Address:
"ACETYLENE, MANCHESTER."

Awarded the GOLD MEDAL
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THE

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



"Every Factory in Canada should
"use the best Belting. Our
"EXTRA" brand.

The **J. C. McLaren Belting Co.**

FACTORY: —

MONTREAL. TORONTO. VANCOUVER.

Manganese

LUMP, FINE and GROUND.

EVERITT & CO.,

40 Chapel Street, Liverpool, England. e

Joseph Booth & Bros., L'td.,

ENGINEERS

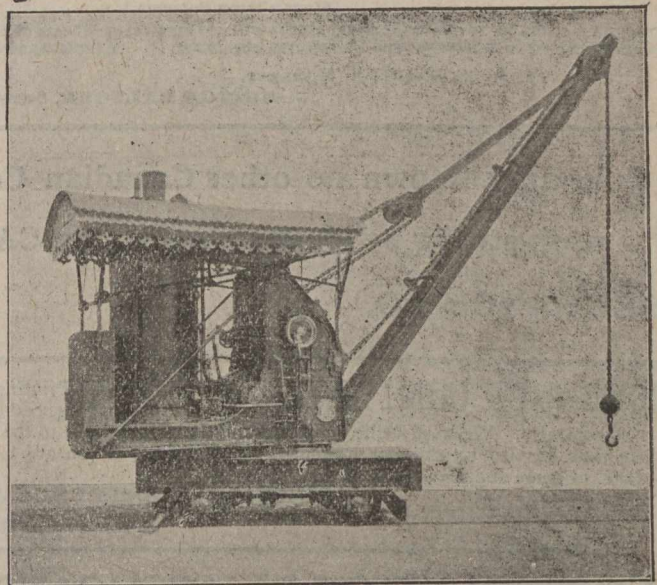
and MANUFACTURERS,

Rodley, Near Leeds, - - England.

Manufacturers of

Steam Hydraulic Cranes
and Lifting Machinery,

Under the New Canadian Tariff.



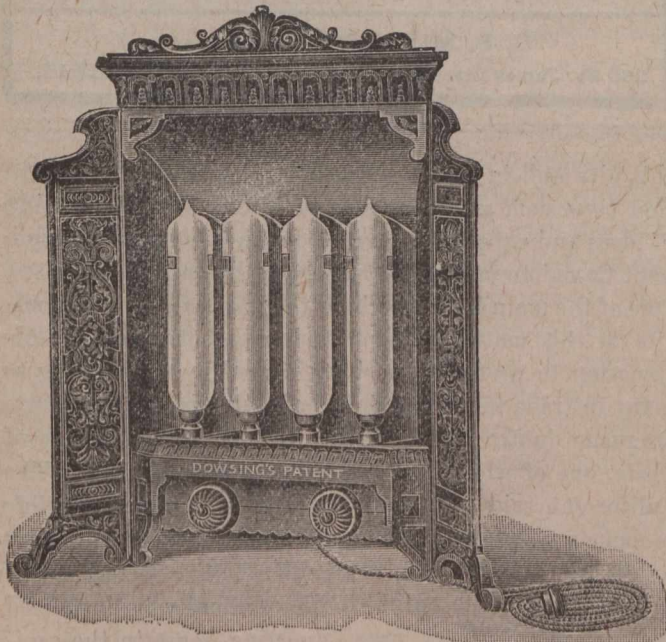
be held until the second is ready, and both forwarded together. A memorandum must accompany each sample, giving the following amongst other details: Name of creamery, whether gathered cream or separator system, name and address of butter-maker, date of churning, style of churn, temperature at various stages, etc. The analysis will be made by Mr. Frank T. Shutt, chemist at the Experimental Farm.

--The immigration returns received at the department for the fiscal year ending 30th June show an increase of 15,490 arrivals of settlers in Canada over the previous year, the figures for both years being as follows:

	1901.	1902.
British ..	11,810	17,000
Continent of Europe ..	19,352	23,535
United States ..	17,987	24,099
Total ..	49,149	64,634

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

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



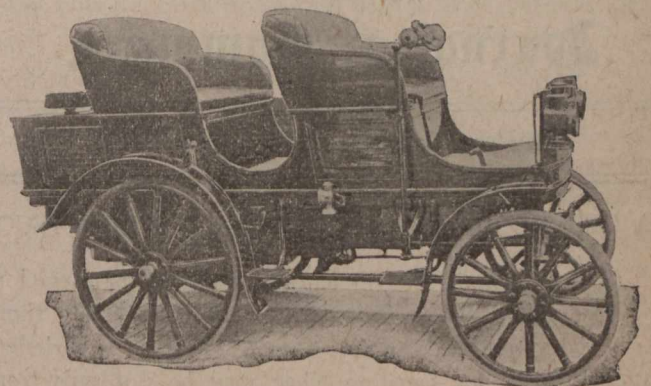
James Melling, DASHWOOD HOUSE. New Bread Street, London, E.C., Eng.

It may be added that from the customs returns yet to be received the immigration from the United States will probably exceed the above by a few hundreds, so that immigration for the year will be about 65,000 people.

--From Kingston, Jamaica, we learn that the Colonial Government announces a surplus of £23,000 (\$115,000) for the fiscal year ended June 30. This is the first time in many years that there has been a substantial excess. It will be used to clear off the deficit. In consequence of increased taxation, and as a result of collections through the prosecution of thousands of people who have failed to pay their taxes for many years, the current year is expected to yield an even larger surplus than last. The general situation in the island is slowly improving.

LIGHT **LIFU** CARS.

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



FOUR-SEATED Double Phaeton.
TWO-SEATED with removable third seat, for doctors' use.
LIGHT VANS To carry up to one ton.

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

REGISTERED OFFICES :

88 CHANCERY LANE, LONDON, W.C., Eng.

THE STANDARD ASSURANCE CO. ESTABLISHED 1825.

OF EDINBURGH.

HEAD OFFICE FOR CANADA, - MONTREAL.

Invested Funds, - - - - - \$50,136,000
 Investments in Canada, - - - - - 14,930,000

[WORLD WIDE POLICIES.]

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

D. M. McGOUN, Manager.

J. HUTTON BALFOUR, Secretary.

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

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

JOURNAL OF COMMERCE JOB DEPT.,
 171 St. James Street, MONTREAL.

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



Capital and Accumulated Funds, :- \$38,855,000
 Annual Revenue from Fire Premiums..... } 5,715,000
 Annual Revenue from Life Premiums..... }
 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.

FIRE. LIFE. MARINE.

G. ROSS ROBERTSON & SONS, General Insurance Agents and Brokers

ESTABLISHED 1865.

BELL TELEPHONE BUILDING,

MONTREAL.

Telephone - Main 1277. P. O. Box 994.
 Private Office, " 2822.

THE CANADIAN Journal of Commerce.

MONTREAL, FRIDAY, JULY 11TH, 1902.

A DRY GOODS LESSON FROM SAN FRANCISCO.

As in the multitude of counsellors there is alleged to be wisdom, in the combination of trade interests there is economy and in the interchange of trade experiences opportunities for learning what may be not only very interesting, but of mutual advantage. When on a recent visit to the chief centre of the silk industry of France, a leading and progressive wholesale merchant of this city made the acquaintance of one of the principal wholesale dealers in San Francisco. As both were on the same errand as buyers, and as their respective local interests did not clash, being divided by the continent, they arranged to buy together as thus they could secure better terms and other advantages. They naturally compared notes as to the methods of business in vogue in

this city and in San Francisco, which was probably the first time such a "community of interests" and swapping of ideas and experiences ever took place between a prominent Canadian and a leading wholesaler in San Francisco. One of the main lines on which they agreed, their difficulties in this matter being common to both, was the obstruction to profitable business caused by there being so many in trade to whom might be justly applied the severe language quoted by Paul, the Apostle, to the people of Crete, one of whose poets described them as "liars." The Californian said with emphasis, "It is wholly impossible to make any headway in the dry goods business nowadays unless you beat the Government."

To illustrate the nature of this difficulty he instanced the example of a very large importing house in the capital of the Pacific Coast. This firm finding themselves

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 S. Mondou. " "
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Caledonian... INSURANCE CO.

The Oldest Scottish Fire Office,
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FINANCIAL AGENT.

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THE MANCHESTER FIRE ASSURANCE COMPANY.

Established 1824.

CAPITAL, - - \$10,000,000

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

EVANS & JOHNSON, Resident Agents, MONTREAL,
 1732 Notre Dame St.

The Imperial Life ASS'CE CO'Y OF CANADA.

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

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

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

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

Mutual Reserve Life Insurance Co.,

FREDERICK A. BURNHAM, President.

EIGHTY-ONE THOUSAND POLICY-HOLDERS.

Total Assets, \$12,264,338.21.

THE TWENTIETH ANNUAL STATEMENT

Shows that the 1900 Business Brought

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

...AND...

An Increase in Insurance in Force.**Net Surplus, - \$1,187,617.68.****Total Death Claims Paid since Organization, over
FORTY-EIGHT MILLION DOLLARS.****EXCELLENT POSITIONS OPEN** in its Agency Department in every Town, City and State, to experienced and successful business men, who will find the **MUTUAL RESERVE THE VERY BEST ASSOCIATION THEY CAN WORK FOR.** Further information supplied by any of the Managers, General or Special Agents in the U.S., Canada, Great Britain or Europe.

Home Office, Mutual Reserve Building, - - NEW YORK CITY

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

**UNION ASSURANCE SOCIETY
OF LONDON.**

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

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

ONE OF THE OLDEST AND STRONGEST OF FIRE OFFICES.

CANADA BRANCH:

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

T. L. MORRISSEY, Manager

running behind so that disaster was inevitable, conceived the idea of "fighting the devil with fire" by securing cheaper goods through the connivance of the local Customs Department. This game was regarded as a safer one to play than cheating the Government out of revenue by a system of false entries, such as have been made by dishonest importers elsewhere. To effect this an official was approached, his salary enquired into and this was found to be barely enough for his living requirements. Like Othello with Desdemona's signs of sympathy, "on this hint he spake"; he pointed out how easy it would be to enlarge his income by passing the goods of the firm so as to evade all or the larger part of the Customs duties. The official "did seriously incline" to fall in with this suggestion, the outcome being that this Government officer became the paid agent of a private importing firm who doubled his salary for his treachery. It is believed that the importing firm in course of a certain number of years avoided the payment of duties to the extent of \$700,000.

Whatever may have been the sum it changed the firm's fortunes. Instead of years without profits the gains each year were large, and all was going on swimmingly when the official was taken ill. In his absence the plot was discovered; an investigation followed, and the importer was fined \$70,000, a sum which, though very large, sufficient, indeed, to ruin a smaller trader, amounted to only about 10 per cent. of what had been saved by cheating the Customs.

How the neighbours and competitors of this firm fared, and what their speculations were in regard to the reasons for the remarkable cheapness of their rival's goods, are questions not recorded. They no doubt did a lot of thinking, probably also some scheming on their own ac-

count, but certainly they, to use a current classic phrase, were "up against" a condition which was as embarrassing as it was mysterious. According to a certain class of economist,—inasmuch as the public were gainers by goods being sold cheaply, owing to the evasion of duties—the position and circumstances were admirable; for this school of economists consider that, as buying in the cheapest market is the first duty of man, it is most commendable to provide this "cheapest market"; in fact, these two propositions are to some as sacred as the articles of a religious creed. The old saying is, "The public health is the supreme law"; the modern one of the ultra Free Trader is, "The pockets of a section of the public constitute the supreme law of a State!"

The above narrative has a bearing upon the conditions of business nearer home. There is a feeling abroad that there is room for stricter supervision of certain classes of imports by Customs officials. The great body of our wholesale importers scorn to incriminate themselves by evading Customs duties by any form of trickery. There are, however, suspicions that directly by themselves, or indirectly by the methods of exporters abroad, some traders manage to secure foreign goods by paying less duties than would be imposed were the Customs officials fully alive to the facts concerning certain imports. That goods for this market are made outside Great Britain, or any British country, and so made, marked, packed and invoiced as to pass as goods of British origin, is almost certain; indeed, a German newspaper recently stated in a boastful spirit that the manufactures of that country were exported to Canada, via England, and entered here so as to receive preferential treatment.

Another point worthy of notice in the above statement is the advantage possible to be derived by importers pooling, as it were, their purchases in foreign markets. Two or three buyers acting in concert could secure more advantageous consignments than by each buyer acting alone. Such a combination would enable them to buy more varied lots of goods in smaller quantities adapted for the particular trade of each buyer, especially in the case of very expensive dress goods, and thus without unduly encumbering their warehouses they could each have a far more attractive selection than by each one's purchasing only for himself. This plan would be helpful to those storekeepers who find their limited variety of goods a difficulty in competing with a large departmental rival. As to the Californian's wail that dry goods business cannot be made profitable by a trader who desires to maintain his self-respect, it is a complaint not adapted to Canada. It reveals conditions of business and social life existing on the Pacific Coast which are a scandal to the country. Our leading and prosperous dry goods merchants not only maintain their self-respect but enjoy the respect of their competitors and the community at large, and this under occasional developments by a class whose methods call for more rigid treatment by those "who have the power."

THE ST. LAWRENCE ROUTE.

Canada has never, from the earlier days of its history to the present, been without its full share of far-seeing men, who have had it firmly fixed in their minds that the St. Lawrence water route to the great lakes would be the natural outlet for the trade of the whole of the north-western part of this continent. A succession of strong

men have for a long time back bent their energies upon bringing about the necessary improvements to ensure this desired end.

With that object in view, much has been done by the Government already, and much is being done at the present time, all of which is tending to improve the channels and perfect the aids to safe navigation. When these are completed there is ample evidence for believing that the route will prove so cheap and convenient for the Western trade that it will be utilised to its full capacity within a very few years.

It is evident that our neighbours to the South of us are beginning to realise the danger of Canada taking their trade away from their Atlantic ports. A committee of the chief mercantile exchange of New York has recently issued a statement showing this danger. It is there stated that in the week ending 28th June last, 710,322 bushels of grain were shipped from Montreal, as against 385,122 bushels from New York, whilst in the same time the total shipments of grain from all Canadian ports was 1,002,265 bushels, as against a total of 742,806 bushels from all the United States Atlantic ports.

That, to many of our good friends and close neighbours, must have had a startling effect. The bare idea that Montreal could nearly double the export trade in grain from New York and that Canada should export more grain in that specified time by 50 per cent. than the whole of the American Atlantic seaports put together was a shock to the pride of the Atlantic ports and was intended—doubtless—to be so, the primary object being to promote the enlargement of the Erie Canal to permit the passage of vessels of 1,000 tons burden. The committee urge that that question of enlargement should be submitted at the earliest possible moment to the vote of the people of the State, which if carried by the popular vote would enable the work to be carried out and then—as we read it—the intimation is given that the trade of the West will be prevented from taking the Canadian route and will centre in New York.

A question—which, however, as Canadians we have nothing to do with—is how the enlargement of the Erie Canal will benefit the other American Atlantic ports, which have never favoured its enlargement,—if it is a fact that now Canada does 50 per cent. more in the export trade of grain than all the American Atlantic ports including New York—put together.

In a way, this may be gratifying to our Canadian feelings but we should not make so much of it as to believe that the battle is won and that we are fairly out of the woods. That would be a mistaken and short-sighted view of the position. We have always been taught to believe that one swallow does not make a summer—neither does one week's statistics make a stable basis for comparisons of this nature. We are firm believers in the great future in store for the St. Lawrence route, but we have no reason to think that the figures given by the New York committee will bear the same proportions the season through.

At the present time and under present conditions it would be unreasonable to expect such a result. It is more than likely that there was in that particular week taken to describe the relative position of things an abnormal condition that will not continue throughout the season. That would be too much to expect this year, but in a short time, after all the works now under way are completed, it is not at all unreasonable to expect, or, so optimistic as to appear visionary, that within the next two or three years that the export trade via the St. Law-

rence will exceed the proportions annually indicated by the figures given for the week ending 28th June last.

The works now going on in the harbours of Lake Huron and the Georgian Bay will all tend to promote the trade of the St. Lawrence route as will also the works on the channel improvements from Prescott down to Lachine. Under the vigorous management of the present Minister of Public Works, the Hon. Mr. Tarte, the improvements in the river channel from Montreal to Quebec are proceeding so well that soon a 30-foot deep channel, 450 feet wide, will be available—even at all stages of the tides. The aids to navigation in the way of better lighting and buoying of the river from Montreal to ocean are being proceeded with under the present Administration of the Marine Department, and the unequal discrimination in insurance matters against the St. Lawrence route will soon be a thing of the past. Hitherto the dangers of the St. Lawrence route have been much exaggerated, many of the losses that have occurred have arisen through causes not attributable to the imperfect aids to navigation, of which so much has been made in the past, but otherwise. So far there have been two lamentable accidents in the lower river this year, but as yet no satisfactory explanation of the causes have been given publicly. From this it is evident that the aids to navigation are not to blame, or doubtless we should have heard of it before this. It is to be presumed that a searching investigation in these cases will yet be held and the real cause of these losses brought to light.

When the long-promised facilities for handling traffic in the Montreal harbour are carried into effect, as in some way they must surely be, the trade of the great West will rapidly tend in the direction of the St. Lawrence route. Notwithstanding the disorganized condition of the harbour at present, it is gratifying to see that the business of the harbour as regards its sea-going traffic is growing. One of the most hopeful signs of progress towards getting these harbour facilities is the arrangement said to have been completed with the Grand Trunk Railway. At this writing the full text of that agreement has not yet been made public, as we think it might well have been; but, if, as is generally expected, it provides clearly that the water-borne traffic is to be treated on fair and equitable terms and on the principle of first come first served, as should be the case, the outcome cannot be otherwise than beneficent to the country.

The grain trade is doubtless of great importance, but so is the package freight. This latter is very largely carried by the railways, and is generally the most profitable part of the ocean vessels' carrying, and that branch of traffic should be encouraged in every possible way by the harbour authorities.

This movement of the Grand Trunk to develop still further, than it has done of late, the trade of the St. Lawrence route, will doubtless stimulate the Canadian Pacific—our great national highway—to yet greater efforts to build up a still greater trade here than it has yet done. In the past that road has been eminently successful in all it has undertaken, but it will require more facilities than it now has to be on an equal footing with the other great railway when its new plans go into effect.

In the meantime other railways are now seeking for an entrance into the harbour and in the near future others will follow and those interests should be provided for. The inland water-borne traffic is also sure to increase rapidly with the improved inland system of navigation. That interest is of vital interest to, if it is not of the first

importance to the St. Lawrence route as a whole, and its proper accommodation must ever be kept in mind.

On the whole, the outlook for the future is most promising for more extension of trade in this direction, and notwithstanding the shock it may be to some of our neighbours to the South, when they contemplate and realise this, they should act the part of philosophers and satisfy themselves with the knowledge there will always be sufficient trade and business in the different parts of this continent to go round, and provide a comfortable living for all.

We have written thus far without mentioning the noteworthy fact that the construction of the Georgian Bay water route to the Ottawa River and Montreal is only a question of time. When that time comes vessels of twenty feet draught will be able to come from the head of the great lakes to Montreal without breaking bulk. That would suit our Western friends beyond the lakes, but it might not suit those living in the Atlantic ports. From the favourable reports made by surveying parties under the direction of the Minister of Public Works, and from that Minister's remarks on various occasions, the first step in that direction will be the improvement of the navigation of the French River to the upper end of Lake Nipissing, so as to reach the Canadian Pacific at North Bay. That it will be remembered formed part of the plans to reach the West, as proposed by the Mackenzie Government, when it was in power.

On a future occasion we may have more to say on this question, which is a large one, and one that in the near future will in all probability, be a very important factor in the matter of inland transportation.

THE HALF-YEAR'S CAPITAL APPLICATIONS.

As might have been expected, the close of the war, which, however, was largely discounted in monetary circles, has given a new impetus to borrowings for the promotion of enterprises more or less awaiting the restoration of peace. Reviewing the situation from the world's great centre, the Economist gives a succinct account of the operations for the earlier six months of the year:

Government borrowing has once more been the prominent feature in the applications for new capital, as the peace came too late in the half year, and too near the Coronation holidays for company promoters to make use of the opportunity for which they had been waiting. In the last three months the sum offered for subscription amounted to £58,000,000, as compared with £48,000,000 in the first quarter of the year, and £84,000,000 in the June quarter of 1901. For the six months, therefore, the total amounts to £106,000,000, as compared with £119,000,000 in the first half of 1901. The difference is more than accounted for by the reduction in British Government borrowing since, in April, 1901, £60,000,000 Consols were issued at 93 per cent., while this year just one-half that sum was raised, and the price was 93½ per cent. The following is a statement of the capital applications quarter by quarter since the beginning of 1899:

New Capital Applications.

	1902.	1901.	1900.	1899.
	£	£	£	£
1st Quarter	47,993,000	35,044,000	51,587,000	39,416,000
2nd Quarter	58,442,000	83,915,000	31,189,000	48,697,000
3rd Quarter . . . . .	..	19,029,000	49,769,000	19,291,000

4th Quarter	21,370,000	32,954,000	25,765,000
..	159,358,000	165,499,000	133,169,000

Although the announcement of peace in South Africa was not made until June 1st, the feeling that it was approaching created confidence in the investment market, and brought about a favourable condition for the placing of gilt-edged securities. The Colonial Governments have taken full advantage of the opportunity, and have raised during the half year a sum of £16,367,000. It is hardly surprising that the South African colonies have taken a good slice of this, the Cape Government having issued £2,500,000 3½ per cent. stock at 102 and £3,061,600 3 per cent. stock at 96. From Australasia have come a loan of £3,000,000 3 per cent. stock by the State of New South Wales, of which the issue price was 94½, and £1,500,000 3½ per cent. stock by Western Australia at 102½. The Crown Colonies have also been in evidence, Ceylon, Trinidad, Newfoundland, and the Gold Coast Colony having raised between them about £2,800,000, while the Secretary of State for India has made an issue of £1,500,000 3 per cent. stock, at 99. Three loans classed under Foreign Government issues have appeared, one by the State of Para-Brazil in 5 per cent. bonds, at 88, a Greek 4 per cent. loan, and a further issue of Egyptian Irrigation certificates. The following table classifies the capital applications of the half-year as nearly as possible according to the purposes for which the money was required:—

Capital Applications, 1902.

Description.	First Quarter. £	Second Quarter. £	Half-Year. £
British Government loans ..	1,980,000	29,920,000	31,900,000
Colonial Government loans ..	8,807,700	7,559,100	16,366,800
Foreign Government loans ..	2,424,800	.....	2,424,800
British Mun. and C'ty loans ..	6,233,500	4,202,500	10,436,000
Colonial and F'gn Corps ..	328,200	310,500	638,700
British railways ..	3,767,500	1,559,600	5,327,100
Indian and Colonial railways	1,455,600	126,000	1,581,600
Foreign railways ..	5,229,600	323,900	5,553,500
Mining companies—			
Australasian ..	156,500	122,900	279,400
South African ..	3,589,400	1,765,300	5,354,700
West African ..	252,300	.....	252,300
Other mines ..	402,500	1,240,000	1,642,500
Exploration and financial ..	2,155,000	1,239,000	3,394,000
Breweries and distilleries ..	250,000	29,400	279,400
Merchts, importers & exp'ters	52,500	390,000	442,500
Manufacturing ..	530,000	180,000	710,000
Stores and trading ..	6,522,100	1,566,500	8,088,600
Iron, coal and engineering ..	.....	1275,000	1,275,000
Estate and land ..	80,000	516,000	596,000
Electric lighting, power, etc.	899,500	1,181,500	2,081,000
Tramway and omnibus ..	360,000	1,745,300	2,105,300
Gas and water ..	203,700	604,400	808,100
Hotels, theatres etc.	421,900	52,500	474,400
Patents & proprietary artels.	147,500	141,000	288,500
Docks, harbors and shipping.	600,000	1,400,000	2,000,000
Banks and insurances ..	190,000	535,000	725,000
Miscellaneous ..	952,700	457,000	1,409,700
	47,992,500	58,442,400	106,434,900

British municipal authorities have been fully aware of the more favorable market conditions, and have altogether made 19 issues of stock, all of which except one were in 3 per cent. stock. The prices at which they were offered afford an interesting study of the comparative credit of municipalities of varying extent. The difference between a borough whose population entitles its stock to the status of a trustee security and one which is

below the limit of 50,000 is usually about 3 per cent. The lowest price at which a 3 per cent. stock was offered was 90 per cent. by the borough of Taunton, and the highest 98½ per cent. by the London County Council.

British railways have made public allotments of new capital amounting to £5,327,100, the principal issues being £2,050,000 London and North-Western 4 per cent. Preference stock, at 125, and £605,475 London and South-Western Ordinary, at 175. Among Colonial and Foreign railways the most important item was £4,000,000 in bonds of the Baltimore and Ohio railroad.

Coming to the company issues, mining shares once more constitute an important portion of the total. There have not, however, been many new promotions, the bulk of the amount consisting of allotments of new shares to the proprietors of South African mines, large sums being required for the development of deep-level and other properties, which have lain dormant during the war. It is obvious that further large sums will be required for these purposes in the near future. Apart from South Africa the principal mining promotion was an offer of £1,000,000 in shares of a Norwegian iron ore mine, on which Mr. Edison's process of extraction is to be worked. Most of the amount for Exploration and Financial companies was also offered by South African undertakings, the largest individual item being £1,250,000 offered by the Charter Trust and Agency Company for rendering assistance to mining companies in Rhodesia. Even amongst Breweries the only item of any importance was £250,000 raised by the South African Breweries Company.

The applications by ordinary joint stock companies do not call for any extended notice. As before stated, promoters have been waiting for the conclusion of peace, and as the holiday season is now approaching, it is anticipated that the bulk of the ventures awaiting public issue will be further held back until the autumn. There is, however, a large amount under the head of Stores and Trading, this comprising £4,000,000 of capital offered by the Imperial Tobacco Company, and £1,000,000 in preference shares by the "Shell" Transport Trading Company.

There is every probability of an era of investments on a large scale during the current half-year—if nothing untoward intervene.

FRAUDULENT TRANSACTIONS.

It would appear that the inclination to act dishonestly is so strong in some minds that heavy risks will be assumed before giving up the habit, and even the knowledge that the law against such practises will be vigorously enforced does not deter the persons accustomed to doing wrong. It is generally believed that a man, once found deliberately defrauding another, no matter what sort of cloak he is using in order to shield his acts from public knowledge and public censure, can never be depended on again in any transaction where honor and integrity are at stake.

As the world advances in industry new avenues are constantly opening up through which persons of questionable character find entrance to the field of commerce; and, once in, their influence or rather example, is a source of constant danger, not only for those with whom they deal, but owing to the effect their questionable transactions have on their general surroundings for the time. There was recently enacted a law forbidding the fraudu-

lent packing of apples, strawberries and other fruit and the Government have gone to considerable trouble during the past year in so enforcing, or rather threatening to enforce the penalty in this respect. Yet despite this law, regardless of these threats and timely warnings and totally blind to the fact that this law has been framed and enforced for the simple protection of one man against the deliberate dishonesty of another, we are reminded almost daily in the press of such frauds still being perpetrated.

The following reached us this week from Ottawa:—"One of the fruit inspectors for Manitoba and the Northwest Territories, reporting to the Department of Agriculture at Ottawa, states that, after visiting nearly all the towns which are fruit-distributing centres between Winnipeg and the Rocky Mountains, he finds everywhere great dissatisfaction from the losses attending the handling of Ontario apples. Most of the merchants said they would handle no more of such fruit, packed as it had been in the past. They say they are disgusted with the dishonesty which leads packers to put small apples in the middle of the barrels, and the unsound and damaged fruit in packages which are represented to contain only sound fruit of first-class quality. The inspector also reports that the merchants have been receiving from the Western States supplies of apples which, though not nearly as good in flavour or texture as the Ontario apples, are packed just for what they are represented to be. He states further that the Northwest country is filling up with wonderful rapidity and is only in its infancy as a market for Ontario fruit, but unless Ontario packers and shippers get hold of the trade this year in a manner that will reflect credit on them they are likely to lose the market permanently. It is to be hoped that the Ontario packers and shippers will profit by this warning information given to them in good time before the beginning of the season's business."

When a teacher chides a pupil for deliberate wrongdoing and the latter continues to disregard the reproof, it remains with the teacher to adopt stricter or harsher measures. Were a much heavier fine imposed for the first offence in such cases, and the amount doubled, together with imprisonment, for a second offence, there is little likelihood that we should continue hearing of such frauds being carried on. It is only within recent years that the fruit trade of Canada has developed so as to attract outside attention. Wherever Canadian fruit has been shipped, if properly packed, it has delighted and astonished the buyers. But, as on every tree there are a few unsound fruit, in every community there are a few unprincipled dealers who, if permitted to mingle in a commercial way with honourable dealers and shippers, will eventually destroy all that has been done in the matter of Canada's export fruit trade.

It is pleasing to know that exporters of apples are, as a rule, most assiduous in regard to the quality of their shipments; yet even then there are complaints that some stock sent abroad in recent years was "filled" in the packing. It is within the confines of the Dominion, trading between themselves, that the most unscrupulous measures are adopted. The person who will pack a barrel of harvest apples for market and place a bushel of wilted, shrunken, fruit in the centre should be given as heavy a sentence as the person who steals a dollar in cash from another's pocket. The latter is sometimes "sent down" for a term of years, while the former is, apparently, permitted to train himself to a similar course and go on defrauding his fellowmen from day to day.

WHAT CANADA BUYS.

With the object of affording readers of "The Journal of Commerce" doing business abroad, especially in the United Kingdom, who may be desirous of opening up a market for their products or other goods in Canada, we begin this week an official list of the articles imported during the fiscal year ended 30th June, 1901, the latest returns at present available. This will enable the enterprising ones among our kin beyond the sea to judge in some measure for themselves in the matter of their having an outlet in this direction. The Government of Canada has during the last few years reduced the tariff on articles of British manufacture, that is, within the British Isles, by one-third as compared with the rate levied on goods from other parts of the world,—and there is a sentiment that it may not long rest here. We believe that this timely concession on the part of our Government is leading, and must lead to good results, but it should be remembered that a stream of the volume setting northward for so many years, with its well-smoothed channel, is not to be stopped or diverted without persistent endeavour and patience—the characteristic patience and persistence which opened up India and South Africa and other regions to that British trade which, following the flag, is in evidence on every sea in every harbour of the world. Our people are not insensible to the fact that strenuous endeavours are being made by rival (though friendly) nations—who seem to follow the old university professor's advice, "Strive mightily, gentlemen, but eat and drink as friends"—to capture, the whole of it if they can, and by hook or by crook. Witness the recent capture of the wire-nail trade of Turkey by the United States Steel Corporation, as described some months since in our columns.

In preparing these tables we give the names of the Countries whence imported, the total Imports, the General Tariff Duty, and the Preferential Tariff Duty:

Dutiable Goods—								
Countries.	Bottled Beer, &c.			General Tariff.		Preferential Tariff.		
	—Total Imports.—			Value.	Duty.	Quantity.	Value.	Duty.
	Quantity.	Value.	Quantity.					
	Galls.		Galls.			Galls.		
Great Britain	\$138,399	\$110,229	\$119,562	\$94,197	\$28,694.88	.....	.....	.....
Austria	72	38	72	38	17.28	.....	.....	.....
France	6	12	124	107	29.76	.....	.....	.....
Germany	563	498	623	557	149.52	.....	.....	.....
United States	117,484	69,923	103,640	62,926	24,873.80	.....	.....	.....
Total	256,524	180,700	224,021	157,825	53,765.24	.....	.....	.....
Beer, &c., in casks.								
Great Britain	11,105	4,158	10,851	3,732	1,736.16	.....	.....	.....
United States	120,988	23,140	117,564	22,169	18,810.20	.....	.....	.....
Total	132,093	27,298	128,415	25,901	20,546.36	.....	.....	.....
Ginger ale.								
Great Britain .....	.....	6,478	.....	556	111.20	.....	5283	704.50
Australia .....	.....	91	.....	.....	.....	.....	41	5.47
United States .....	.....	1,063	.....	984	196.80	.....	.....	.....
Total .....	.....	7,632	.....	1,540	308.00	.....	5324	709.97
Animals, living, viz.: Hogs.								
	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
Great Britain	200	20	.....	.....	.....	.....	.....	.....
United States	144,478	8,071	144,478	8,071	2,167.21	.....	.....	.....
Total ..	144,678	8,091	144,478	8,071	2,167.21	.....	.....	.....
Horned Cattle.								
	No.	No.	No.	No.	No.	No.	No.	No.
Great Britain	66	17,190	.....	.....	.....	.....	.....	.....
France	14	2,100	.....	.....	.....	.....	.....	.....
Germany	12	1,113	.....	.....	.....	.....	.....	.....
United States	8,323	182,227	8,323	182,227	36,445.40	.....	.....	.....
Total	8,415	202,630	8,323	182,227	36,445.40	.....	.....	.....
Horses.								
Great Britain	12	1,080	11	955	191.00	.....	.....	.....
Newfoundland	1	7	1	7	1.40	.....	.....	.....
United States	8,850	274,905	8,707	263,216	52,643.20	.....	.....	.....
Total	8,863	275,992	8,719	264,178	52,835.60	.....	.....	.....
Sheep.								
Great Britain	288	9,339	.....	.....	.....	.....	.....	.....
United States	83,272	162,104	83,220	159,504	31,900.80	.....	.....	.....
Total	83,560	171,443	83,220	159,504	31,900.80	.....	.....	.....
All Other, N.E.S.								
Great Britain	202	177	35.40
United States	32,933	11,234	2,246.80
Total	33,135	11,411	2,282.20

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ATTEMPTING TO INJURE BRITISH TRADE WITH CANADA.

One of our contemporaries has taken up an attitude adverse to the preferential tariff from the first, although in doing so it had to turn itself inside out. This Journal, on the other hand approved of there being a concession given to British traders, and has persistently defended that policy and strenuously endeavoured to develop trade between Canada and Great Britain. Our efforts in this direction have been pushed with great vigour and a degree of success which has put our contemporary into a fit of envious rage. Persons in this condition say things which are born of an excited fancy; they exaggerate, twist, distort, and discolour what is true, and put a malicious interpretation upon matters which are not in accordance with their ideas. There is usually a plentiful display of ignorance as well as bad feeling in the utterances of spiteful envy. One specimen of this we will refer to.

It is charged that the agents of some un-named Canadian paper have urged British manufacturers to send samples of goods to Canada which are made plentifully in the Dominion, which is spoken of as the work of "a shyster." Now, if our excited contemporary knew anything about trade affairs, which he does not, he would know that it is a very common thing for a country to import large quantities of goods which are manufactured in its borders. Steel goods, for instance, which are made in England, are also imported

into England, and the United States buys heavily several classes of goods in foreign markets—goods that are made in the States. All this is news, of course to a green journalist, who fancies he can obtain an influence by malign attacks upon another journal which he has so miserably failed to acquire by talent and enterprise.

After a quarter of a century's labours our contemporary stands even in a worse position than at the start; his paper is no larger, nothing like so well edited, and shows clear signs of being distrusted by advertisers. This Journal in the same years has trebled in size, is far ahead in circulation, is recognized as the leading trade and financial paper of Canada, and its enterprise in trying to develop British trade has given it a prestige without any rival. The poor, broken-winded tortoise of the West sits by the wayside walling at being beaten by the hare, and abusing its rival in the far distance. Now, we freely admit that in pushing our business there may have been some inflated language used by our English agents. Every merchant and manufacturer knows the tendency of trade-agents to overstate their claims, but no sane one ever raises a row over this, as it is too common, and too well understood to create excitement. Nor can we deny that some of our friends have not been as successful in selling goods in Canada as they deserved to be, and would have been had they known this market better. We have persistently advised our British friends to get into close touch with Canada. We have advised them to ascertain what are our wants, our tastes, our prejudices, in all particulars, as to style, quality, shape, make up, prices,—as this country is not England, and we Canadians have our own notions and ideas, which must be catered to. Merely sending out catalogues to Canada will not ensure trade; that we have said over and over again. It may open a connection, it will often lead to correspondence, it is frequently like breaking up of a new roadway for future trade. So that to abuse this or any other journal because the sending of catalogues from England has not been instantly followed by large orders is exceedingly unjust; and not business-like. Our work in regard to British trade has been pioneer work; it has done very great service (as shown by letters received from our friends and patrons), it has greatly enlarged the market for British goods, and those who slander and malign us because some British exporters have not been successful in this market are almost childish in their complaints; they are so impatient that they wish to cut grain the same day they sow the seed.

We feel sorry for our Western contemporary; he had a bright career open long years ago and he has drifted into senility without learning either wisdom, or patience, or the respect due to others. There are some whose malice can

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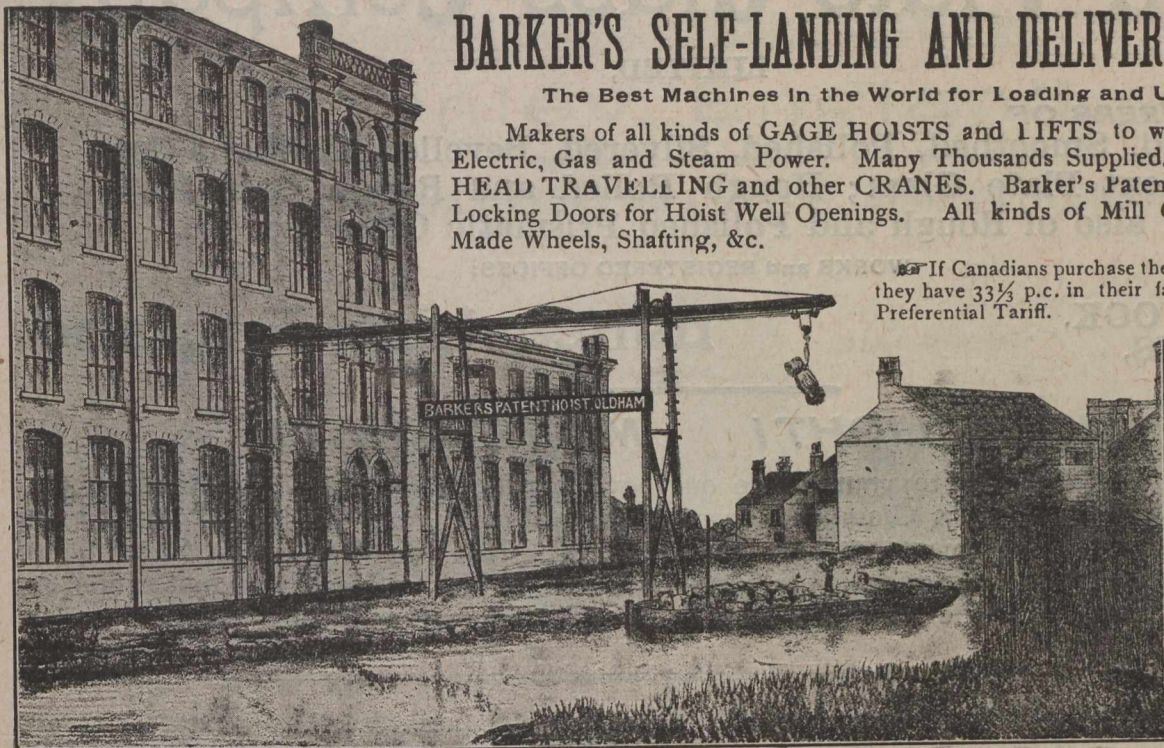
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only be restrained by stronger influences than we desire to exercise, but for the honour of Canadian journalism we protest against the cowardly and malignant insinuations which a contemporary recently published.

The first issue of the "Journal of Commerce," issued on the 20th August, 1875, drew from our contemporary the only attack received at our birth—and this amid words of high appreciation and cordial welcome from our brethren of the press in every quarter of the Dominion. We still live.

DOMINION REVENUE.

Up to June 30th last the revenue of the Dominion on consolidated fund account was \$56,303,694, and the expenditure under the same head \$42,255,316. This would give an apparent surplus of revenue of \$14,000,000. The capital expenditure up to the same date was \$11,532,155, and, deducting this from ordinary receipts and sinking fund, there would still be a seeming excess of over \$5,000,000 on the right side of the ledger. It should be remembered, however, that outstanding receipts and liabilities for the fiscal year just ended amounting to large sums in the aggregate, have still to come in, so that when the books for the past twelve months are closed there will be a considerable change in the statement as it now appears. For example, last year the receipts which came in after June 30th amounted to \$1,778,000, while the outstanding liabilities totalled \$8,291,000, and the capital expenditure \$1,560,000. This year, accepting those figures as a basis, the revenue will total \$58,000,000, the ordinary expenditure \$50,746,000, and the capital expenditure, the \$13,000,000. Deducting surplus and sinking fund from the capital expenditure, the net result of the year's operations would be an addition of \$3,000,000 to the public debt. It is quite probable that the capital expenditure may be larger than here estimated, but the addition to the debt is certain to be from two to three million dollars less than was anticipated by Mr. Fielding in his budget speech. The financial statement, as it stands at present, shows an increase over the preceding year in ordinary revenue of \$5,567,000, in ordinary expenditure of \$3,680,000, and in capital expenditure of \$1,975,000. The healthy and buoyant character of

the revenue is well illustrated by the following increases, the figures in each class being for the twelve months and past month respectively: Customs, \$3,807,652, and \$619,926; excise, \$822,145 and \$88,627; post office, \$379,929 and \$16,748; public works and railways \$678,264 and \$69,515.

The following are the details of the revenue for the twelve months compared with the previous year:

Revenue.	Total to June 30th, 1901.	Total to June 30th, 1902.
Customs	\$28,137,999	\$31,945,651
Excise	10,294,645	11,116,790
Postoffice	3,357,096	3,737,025
Public works, railways and canals..	\$5,917,535	\$8,084,739
Miscellaneous	3,243,747	3,123,703
Total	\$50,735,947	\$56,303,694
Expenditure	38,574,502	42,255,316

The chief features of the capital expenditure are an increase of \$2,169,000 on public works, railways and canals; an increase of \$42,238 on militia; a decrease of \$392,419 for railway subsidies; a decrease of \$615,794 upon the South African contingents, and an expenditure of \$600,180 for iron and steel bounties.

A comparative statement for the twelve months is appended:

	1901.	1902.
Public works, railways and canals..	\$5,917,635	\$8,084,739
Dominion lands	237,871	312,308
Militia (capital)	41,186	183,414
Railway subsidies	2,486,358	2,093,939
Bounty on iron and steel		600,180
South African contingent	874,571	278,777
Northwest Territories rebellion	1,453	1,214
Total	\$9,556,169	\$11,532,155

UNITED STATES FINANCES.

The banking house of Henry Clews & Co., writes under date July 5:—If rest is what the stock market requires before obtaining a fresh start it is certainly having a long period of that sometimes necessary experience. Fully a year has elapsed since a series of untoward events, beginning with the Northern Pacific contest and ending with

Telegraphic Address: "UNION," St. Helens.

Established 1837.

Union Plate Glass Company,

LIMITED,

MANUFACTURERS OF

Ground, Smoothed, Polished, Silvered, Bevelled, Brilliant Cut, and Bent Plate Glass; Rough Rolled and Rough Cast Plate Glass; also of Rough and Polished Prismatic Glass, &c., &c.

WORKS and REGISTERED OFFICES:

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ST. HELENS,

Lancashire, England.

MORE LIGHT! MORE LIGHT!

We have pleasure in bringing to your notice our new production (protected by Patent Act)—"REFRAX" GLASS. This Glass is less costly than ordinary Plate Glass and gives greatly increased light, making basements as light as first floors. It is equally valuable for all floors, doubling or trebling the light in rooms of buildings in narrow streets. Specially manufactured for the Canadian market, under the New Canadian Tariff, 33 1/3 per cent. in favor of buyers.

the death of President McKinley, effectually stopped the wild upward movement which began in the spring of 1901. Looking backward it is remarkable how little injury these misfortunes have done; in fact they may have proved blessings in disguise, for it is certain that they prevented speculative excesses which if permitted would soon have impaired our present prosperity. The loss of nearly 600,000,000 bushels of corn made practically no impression upon railroad earnings; while Czolgosz's dastardly bullet simply shocked credit in a manner that served to demonstrate its soundness. These troubles brought speculation to a timely halt; and, once the momentum was stopped and reason regained its sway, the danger of excess became self-evident and the public quickly left the market to the care of the big men who really controlled the situation and who were thus obliged to carry their stocks until more propitious times for marketing. How well they have proved their ability to sustain the market is shown by the following comparison of active stocks, giving present prices, those of a year ago and the highest in 1901 and 1902. It will be noted that railroad shares are generally higher than a year ago, though lower than the highest prices since January 1, 1901:

Wabash	30	22	31 1/2
Western Union Tel.	87	92	100 1/4

*Bid.

The success of the big holders in disposing of their load will depend entirely upon the continuance of prosperity, which in turn hangs chiefly upon approaching harvests. So far we seem secure from scarcity. Of cotton we seem likely to have a large abundance; of wheat plenty for home and export requirements, and of corn a good crop if the weather proves favorable. Excessive rains and cool weather recently caused some injury, but thus far nothing serious except in small sections. At present, therefore, the harvest prospects are fairly good, and we shall probably export more wheat, corn, and cotton next winter than we did last—a very important consideration in view of the fact that we are still large borrowers in the foreign money markets. In mercantile circles there is a hopeful feeling, and the merchandise movement promises to be liberal except where high prices are checking distribution.

Apparently the coal strike, like the big strike in the iron trade a year ago, is doomed to failure. So far the struggle has been carried on with comparatively little actual disorder, which is to the credit of the men; but as time progresses it is evident that the movement was a serious mistake, and some of the leaders may find themselves dethroned and the unions seriously weakened by entering a struggle the inevitable outcome of which was defeat. The miners are entitled to sympathy for the losses they have incurred; but they should choose more capable leaders, if they wish to succeed—men who can treat the subject as a business and economic question instead of as a source of personal aggrandizement or a matter of mere sentiment. Meantime a few simple lessons have been learned that should not be forgotten. Among them these: that the right to work is equal to the right to strike; that whoever leaves a position has no right to interfere with his successor; that labor has no greater right to stifle competition than capital; and that the sympathetic strike is a failure, in the end only increasing cost or losses to other branches of labor.

Congress has adjourned. Usually this brings a sense of relief in Wall Street; but, as the last session was singularly free of legislation affecting financial interests, and as the market pays less attention to Congress when the country is prosperous, the adjournment had no effect. Some disappointment is felt at the shirking of action on the currency bill; the need of which will be sorely felt when financial panic is threatened, but which is forgotten while the skies are cloudless. In the fall the elections may produce

Prices A Year Highest
this week. ago. '01 or '02.

Amalgamated Copper	63	122	130
American Sugar	128	144	153
Atchison	82	88	91
Brooklyn Rapid Transit	67	82	88 7/8
Canadian Pacific	135	104	141 3/4
Chesapeake & Ohio	47	48	52 3/4
Chie., M. & St. Paul	174	173	188
Chicago & Northwest	250	200	271
Chicago, R. I. & Pacific	175	154	181 3/4
Erie	37	42	45 1/2
Illinois Central	160	153	160 3/4
Louisville and Nashville	137	109	146
Mexican Central	28	*27 1/2	31 3/8
Missouri, Kansas & Texas pfd.	59	63	68 5/8
Missouri Pacific	112	114	124 1/2
New York Central	155	157	174 1/2
Norfolk & Western	56	*51 1/2	61 3/8
Pennsylvania Railroad	151	150	161 1/2
Reading	66	46	68 1/8
Southern Pacific	64	59	69 1/4
Southern Railway	36	33	40 1/2
Texas & Pacific	44	44	52 5/8
Union Pacific	104	108	133
United States Steel	38	46	55
United States Steel pfd	90	95	101 3/8

Butterworth & Dickinson,TELEGRAPHIC
ADDRESS :

"Globe Burnley,"

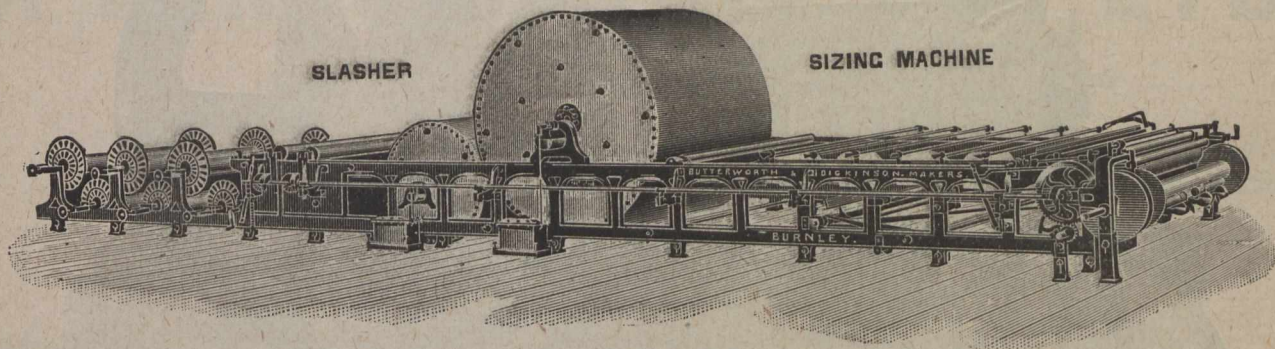
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LOOMS & PREPARING MACHINERY for COTTON, LINEN & WORSTED GOODS.

Cop, Ring-Bobbin and Hank Winding Frames. Self-stopping and Sectional Warping Machines. Cylinder and Hot Air Slasher Sizing Machines. Looms of various Types, Strengths and Widths, for weaving Light Medium or Strong Goods, Plain, Twill, Satteen or Serge. Drop-Box and Revolving Box Looms for Checks, Oxfords, etc. Dobbies, Plaiting Machines, Hydraulic Piece Presses, Malleable Iron Flanges for Warpers' and Loom Beams. Enquiries will receive immediate attention. Estimates given F.O.B., Liverpool.

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

some new issues; the most likely being tariff, trusts and Cuba. As for the trusts, once the most inviting subject for legislative attacks, the prospects are now for less radical action than at one time seemed probable. These institutions have completely failed in their efforts to suppress competition, and are gradually succumbing to the economic penalties of over-capitalization and attempts to unduly control prices. Many of the evils of the trust system can be safely left to correct themselves; still the public will not rest satisfied until some restraint is placed upon the power of these corporations, and among the propositions thus far advanced those favoring reasonable publicity and national corporation laws seem to be the most acceptable. A national corporation law would avoid the radical measures of some States, and at the same time prevent the abuse which permits the corporation of one State to break the laws of every State except its own, which very likely has granted it powers not permissible within its own territory.

The period of summer quiet has fairly begun and no great activity need be expected until vacations are over and results of the harvest are known. The general situation, however, is sound and confidence is general. While these conditions last good railroad stocks are a purchase on sharp declines and a sale on the pronounced rallies. The fall months may witness renewed efforts at manipulation, in which case increased activity must follow.

CONDITIONS IN THE TRANSVAAL.

With peace restored many eyes are now turned toward that great centre of former strife, with its unlimited possibilities in mining and its attractive climate for agricultural pursuits. Mr. J. W. Taylor, correspondent member of the Canadian Manufacturers' Association in Johannesburg, in a letter to the Association has this to say about South African trade: "Valuable time is being wasted by Canadian manufacturers. The Transvaal is the colony in South Africa which your attention should be given to, not, as at present, Cape Colony, which should be considered only—(outside of its local trade)—as a stopping port for ships on their way to forwarding ports, for the more important centres. Australia, United States, and European

countries are now booming their wares here while Canada sleeps."

Our manufacturers realize the importance of the market, but distance, transportation and proper representation are difficulties which some of our exporters do not care to grapple with, they, however, appear greater than they really are, and are overcome in many instances very satisfactorily. For the Transvaal trade it is not sufficient to send catalogues and price lists to Cape Town, but they must be sent to the business centre of the Transvaal, Johannesburg, and the Association's representative, wishes to call this fact to the attention of our exporters, and asks any interested in this trade to forward him catalogues and other information.

Another point to notice in this connection is that goods for the Transvaal can be shipped more advantageously via Port Elizabeth rather than via Cape Town, as the via Cape Town route involves a longer rail haul, and takes considerably longer time in transportation.

The Transvaal presents an excellent opportunity for almost every kind of Canadian manufactured goods, and already there is a strong and growing British sentiment even among the burghers.

Mr. Taylor, in speaking of furniture, says that bed room suites are made after English designs, and such coming from Canada would have a ready sale.

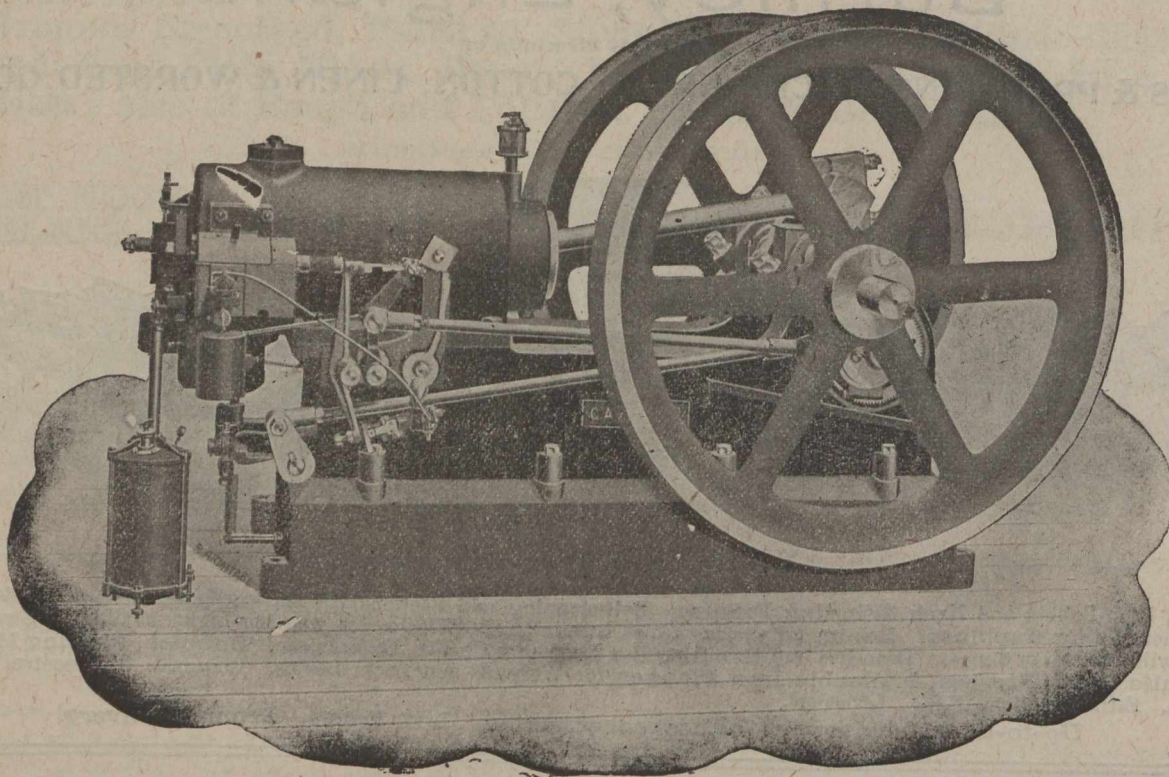
THE GROWING CROPS.

We hear more and fear more regarding the excessive rains in the East than is apparently worrying the owners of productive acres throughout the West. A circular letter was sent out recently by the Dominion Immigration Agent at Winnipeg to Government agents at various points in Manitoba and the Territories, asking for estimates of acreage, crop prospects, and general prosperity. The replies which have been received throw a very optimistic light on the situation, and the consensus of opinion seems to be that, although early and continued rains damaged the crop considerably in early stages, it is recuperating, and, although growth was delayed, the present warm weather will repair the damage. Many of the reports are enthusiastic, and the condition of grain and prospects generally

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

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Makers of :

Gardner Oil Engines—Petroleum.
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Photo of 20 B. H. P. Oil Engine.

Engines from $\frac{1}{2}$ B. H. P.
Horizontal and Vertical.
Tube Ignition with Ignition Valves.
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More than 2000 Engines Sold and Working Successfully in all Parts of the World.
200 Engines Always in Progress.

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are often stated as "splendid." General prosperity is good, while a predominant feature of the reports is the frequent reference to the large number of settlers continually arriving, especially from the States. Following are summaries of the reports from some of the chief points:—

Duck Lake, Bellevue, and Fish Creek—Area under crop much larger than last year. Notwithstanding unfavorable temperature, crops have splendid appearance. Farmers are expecting an abundant harvest.

North Dauphin.—Latter part of June saw a country practically under water, and merchants are having a terrible time. The outlook is very black for this locality. The presence of so much water has prevented cattle from obtaining food, and consequently there has been heavy stock mortality.

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Glass for Shop Fronts, &c.

ESTIMATES ON APPLICATION.

Miles Stone.—The weather was for a long time very wet, and mostly cold. Seeding was late, and crop damage was about 15 per cent. Flax as not damaged, and is doing well. Dakota men claim this to be the best flax country on the continent. The district is generally prosperous, and about 50 carloads of settlers' effects have arrived.

Battleford—The early spring was long and cold, and comparatively wet, and as a result crops are not advanced as far as they should be. The recent heat, however, has had an excellent effect, so that good crops are pretty well assured.

Rosthern—The crop is in splendid condition, and the prospects are good. The weather was wet for a while, but it has settled now, and everything is looking well.

Lethbridge—Crops are in flourishing condition. Owing to frequent rains, never in the history of Alberta have there been such splendid prospects for plentiful harvest and pasturing.

Swan River—The weather in the early spring was favorable, and the crop was put in in good shape. The wheat crop is looking splendid. There was a great deal of rain in June, and wheat in low places suffered. Prospects are good, however.

Arcola—Prospects were never better. There has been a good lot of rain but with dry weather from now, on there is every probability of an enormous harvest.

Dauphin—Wheat acreage in Dauphin and Gilbert Plains district is considerably increased. Weather was favorable for seeding, but rain during June was excessive. Prospects are good for grain which was sown early on high land.

Cartwright—There will be a magnificent flax crop here, as the growth is strong and large, and there are thousands of acres of it in fine shape.

Yorkton—Seeding was all completed here before May 24, and crops are advancing with great rapidity. Rains pre-

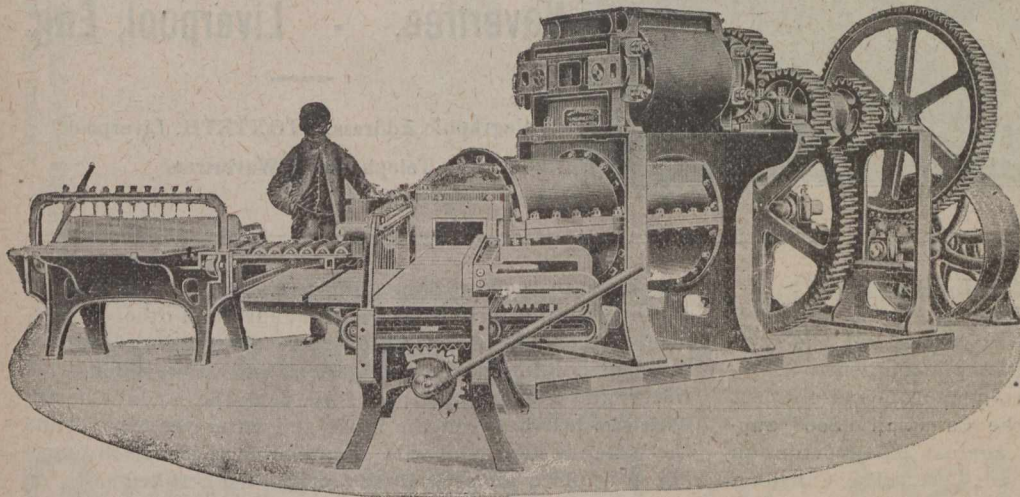
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HORIZONTAL PLASTIC BRICKMAKING MACHINE.

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Main Points :

- Strength.
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Iron Works,

ACCRINGTON Lancashire, England.

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

vented seeding being completed at an earlier date, but had a beneficial effect on what was already in the ground.

Estevan—Crop prospects were never brighter, and weather conditions could not be more favorable. Reports have not been received from Central, Southern, and Western Manitoba, where the conditions have been most favorable. The general condition in this section is good, as rains have not been sufficiently heavy to flood the more important parts of the farming district, which are in a rolling country.

HEAVY CINCHONA BARK SHIPMENTS.

The shipments of cinchona bark from Java to Europe during the month of June were the heaviest of the year, aggregating about 600,000 kilograms, as compared with 522,000 kilograms shipped during May. The figures below, as taken from the Oil, Paint, and Drug Reporter, furnish material for comparison, showing the amount of bark shipped during each month from January, 1900, to June, of this year:

	1902.	1901.	1900.
	Kilos.	Kilos.	Kilos.
January ..	470,000	500,000	370,000
February ..	260,000	374,000	320,000
March ..	345,000	437,000	325,000
April ..	500,000	400,000	265,000
May ..	522,000	373,000	408,000
June ..	600,000	524,000	433,000
July ..		620,000	314,000
August ..		525,000	488,500
September ..		616,200	683,000
October ..		788,000	550,000

November ..	592,500	745,000
December ..	650,000	550,000

Owing to the present easy and extremely dull condition of the quinine market in America, the situation was not visibly affected by the heavy shipments, as it might have been had more interest-been shown in the matter. This, however, is still lacking, there being no more than a light retail demand at present.

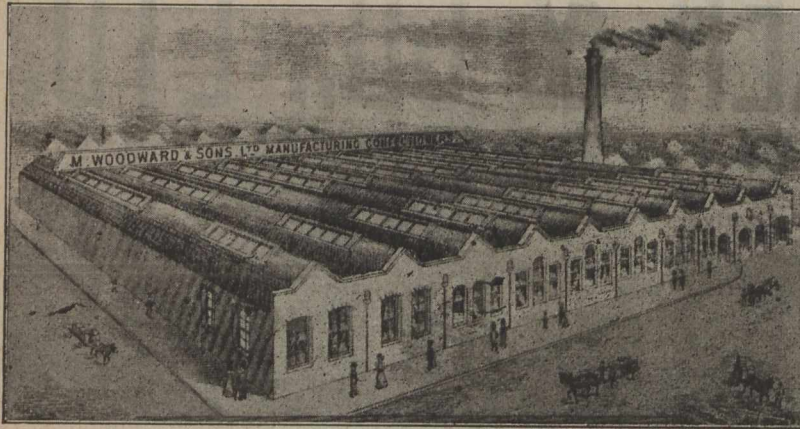
Since a recent issue in which was published a table showing the imports of quinine salts, the Government figures for the month of May have been circulated. We, therefore, reprint the table for the purpose of bringing it up to date. A falling off of 30,870 ounces will be noted in the imports during the first five months of this year, as compared with the amount imported during the corresponding period of 1901:

	Ounces.	Value.
1901.		
January ..	271,480	\$79,668
February ..	307,434	80,703
March ..	312,800	85,788
April ..	483,396	145,418
May ..	234,050	70,459
June ..	241,619	69,955
July ..	140,413	43,126
August ..	206,736	64,893
September ..	105,589	29,213
October ..	296,335	80,331
November ..	188,137	55,765
December ..	302,047	76,030
1902.		
January ..	316,385	82,022
February ..	417,647	111,913
March ..	353,472	95,901
April ..	318,726	89,630
May ..	182,060	55,553

ESTABLISHED 1848.

M. WOODWARD & SONS, Ltd.,

WHOLESALE & EXPORT



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Manufactory and Office :

Wavertree, - Liverpool, Eng.

Telegraphic Address: "TOXTETH, Liverpool."

Telephone 44, Wavertree.

SAULT STE. MARIE CANAL TRAFFIC.

The returns from Sault Ste. Marie show that the total freight carried through the United States and the Canadian canals during the month of June amounted to 4,721,608 tons, against 4,519,075 tons in June, 1901, and 4,107,602 tons in 1900. Of this quantity the Canadian "Soo" supplied 1,118,564 tons in June, 1902, against 1,235,055 tons in June, 1901, and 294,681 tons in June, 1900. The Canadian "Soo" carried 23.69 per cent. of the total carried in June, 1902, 27.33 of the total in June, 1901, and 7.17 per cent. in June, 1900. Of the total carried by the Canadian "Soo" in June of each of the three years, eastbound freight constituted 900,133 tons, 986,449 and 178,514 tons, showing that in June, 1902, the freight passing east was less than in June, 1901, by 86,316 tons, but more than in June, 1900, by 721,619 tons. The westbound freight was 218,431 tons, 248,566 tons, and 116,167 tons, showing that in June, 1902, the westbound freight on the Canadian canal was 30,135 tons less than in June, 1901. The total freight carried by both canals both ways during the three months of the present season was 11,486,501 tons, against 6,767,120 tons in the three months of 1901, and 8,673,481 tons in the same period of 1900. Thus during the present season the "Soo" canals have carried 4,719,381 more tons than in the same period in 1901, and 2,813,020 tons more than in the 1900 period. During the present season the Canadian "Soo" has carried 1,650,752 tons against 1,386,734 tons in 1901, and 680,061 tons in 1900. The details of the eastward bound freight, American and Canadian, for the month are as below:—

	U. S.	Canadian.	Total.
Copper, net tons	15,000	1,744	16,834
Grain, bushels	464,093	151,500	615,593
Building stone, net tons	9,350	780	10,130
Flour brls.	678,092	377,175	1,055,267
Iron ore, net tons	2,662,107	686,154	3,348,267
Iron pig, net tons	2,405	551	2,956
Lumber, M. ft. b.m.	119,992	32,676	152,668
Wheat, bushels,	2,267,368	3,369,605	5,636,972
General merchandise....	4,717	7,260	11,977
Passengers, number ...	1,658	2,923	4,581

DRINKING WATER FOR WORKMEN.

Overlooking what may be considered the minor details of life is often the cause of trouble which, started, grows with time and occasionally ends in disaster for those concerned. The following brief article from a recent issue of the Iron Age, may be of some practical benefit to Canadian Manufacturers: A Louisville, Ky., forge firm describe as follows their experience in furnishing prepared drink-

ing water to their workmen during hot weather, especially those employed in their forging, foundry and other departments, where there is intense heat. They take stone jars or kegs holding about ten gallons of water, filled with water and a small quantity of ice, pack the jar in a barrel with sawdust between the inner and outer vessels. Thus the water is kept cool with a minimum of ice. Each morning they place about half pint of oatmeal, rolled oats, or any other form of crushed oats in the water. This crushed oats thus used makes the water a remarkable thirst quencher. During the several years they have thus provided drinking water they cannot recall a case of heat prostration or illness due to excessive drinking of water by men employed in their shops, where the heat is great. They also find that this water reduces the appetite for intoxicating drinks, and in general the effects are so excellent that their men are telling it to workmen in other shops and cities. The jar should be emptied and thoroughly cleansed every morning, as the oatmeal sours over night, and, of course, the drinking cup also ought to be scalded and scoured for obvious reasons each day. They believe the water should be drawn from a spigot, as, of course, from a sanitary point of view, the use of a dipper in the top of a jar is not as it should be, but the oatmeal clogs the spigot or strainer leading to a spigot. It has contributed not only to the comfort of the men, but also permitted them to continue at work when the heat might otherwise have prevented, and has greatly reduced the temptation of the men to seek intoxicating cooling drinks. For a few days the oatmeal flavor may not be relished by all of the men, but very soon they find it palatable and are delighted by the relief afforded. While this mode of quenching thirst is common in some sections it is well to increase the knowledge and even recall its beneficial effects to those already acquainted.

ROAD BUILDERS USE DYNAMITE.

Modern methods of colonization road building are making it comparatively easy for those who a few decades hence will be looked upon as the pioneers of New Ontario. A Toronto letter tells of colonization road builders in the Temiskaming district as using dynamite for the first time for the removal of the stumps, and they are enthusiastic in praise of its superiority over the older system of "grubbing." Mr. A. W. Campbell, Deputy Commissioner of Public Works, who returned recently from a three weeks' visit to the district, where he planned and saw the work commenced upon forty miles of new roads, brought this information with him. "Dynamite," he added, "does away with tedious and laborious work in clearing and is of course

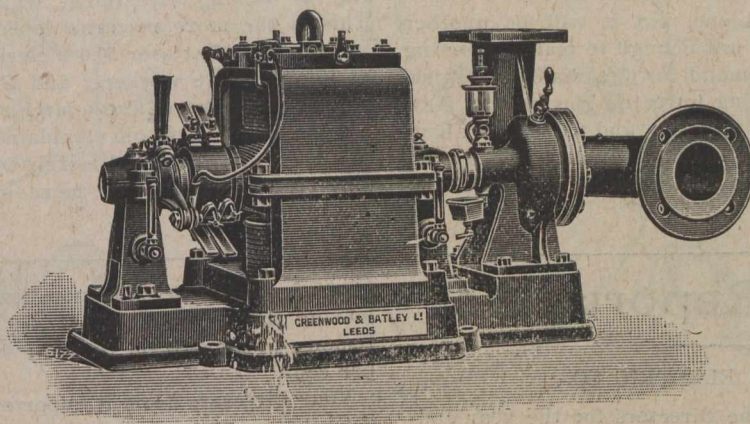
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Made from 1½ to 300 HP.

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

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ALBION WORKS, LEEDS, Eng.

To whom all Communications should be Addressed.

very effective." He said that there were 300 men engaged on road work, and the forty miles mentioned would be completed this season. Grading machines are also being used for the first time, so that the work will proceed as rapidly and as thoroughly as up to date methods permit. Following previous methods all the new roads will have a uniform grade, and a width of twenty feet, with ditches on either side, part of a complete system of drainage. A two-fold object is attained by this system, namely, substantial roads and the drainage of the frontal portions of farm locations, which is of great assistance to settlers in the work of clearing. No corduroy roads will be built, as the initial expense is heavy, and they require considerable repair every spring. Many settlers are going into the district. The majority are from the older portions of Ontario, have horses and implements, a little money, and strong determination to succeed. They are putting up good houses and substantial buildings.

FIRE LOSSES.

Truro, N.S., July 8.—Fire, which visited Acadia Mines yesterday, swept away every structure on that side of the river, on which was situated the pipe shop of the Montreal Pipe Foundry Company. Fire caught in a portion of the old rolling mills, and was probably started by sparks from a locomotive. The wooden structures were consumed, but most of the machinery is saved in a slightly damaged condition. The contracts for pipes are profitable, and so far as can be ascertained, no cessation in the work of manufacture will occur. New buildings will be erected for the protection of the plant, and plans laid for extensions as soon as possible. The loss to the Montreal company is largely covered by insurance.—Ingersoll, Ont., 8.—P. C. Myers and Sons' cooper shop burned, with all contents. Partly in-

sured. Cause, unknown.—North Bay, Ont., 7.—Dwelling of A. Cockerline destroyed. Two lives lost. Cause, lamp explosion.—Perth, Ont., 5.—The blacksmith shop, machine shop, oil house, main offices, four box cars, together with a large amount of valuable machinery in the C.P.R. car shops destroyed. As a result 300 men are out of work. The burnt buildings will be rebuilt immediately.—Brougham, Ont., 5.—The storm of last night and to-day has done a great deal of damage to the crops. An implement shed on the Forsythe farm, near the village, occupied by William Cassia, was struck by lightning and burned to the ground. The implements were also burned. Loss about \$500; no insurance. The barn of James Ogilvie, half a mile west of Ashburn, was also struck by lightning and totally destroyed. Two cattle were burned. Loss over amount of insurance, about \$1,000.—Montreal, 6.—The iron foundry conducted and owned by Pascal Amesse, was destroyed. The building was of brick with gravel and wood roofing. Loss about \$10,000, and insurance about \$5,000.

DAIRY PRODUCE.

A private London circular, date 25th ult., says: Butter.—During the last few days there has been a considerable rise in temperature, which now nearly approaches the normal condition of the weather at the end of June. Grass will grow rapidly under present conditions, although it is impossible for the pastures and hay crops to fully make up for lost time. The number of the milking herd in the United Kingdom on the 4th June this year must be about 100,000 less than last year. Besides this, the cows have not yet fully recovered from the poor condition in which they were when turned out to grass some weeks ago. The demand for Canadian butter is quiet, but there is no change in prices. Saltless Canadian is still in good de-

mand, and the quality on the whole shows an improvement on last year.

At the time of writing the Copenhagen Official Quotation for next week has not been declared. Danish prices, however, on London markets keep well up, although Russian continues to come forward in large quantities. Some of it is of very high quality—especially late arrivals of genuine grass butter. The season in Siberia is reported to be a very good one. In the United States prices remain high, and imports from there are consequently low. The season there, also, is a very good one, but it will be another month before prices will fall low enough to make exporting profitable. Cheese.—The demand for Canadian is sluggish, and prices are about a shilling lower on the week. New Zealand is now in very small compass, and values are about 2s lower than last week. Canadian choicest, 49s to 50s. Corresponding date, 1901, Canadian choicest sold at 47s to 48s and finest at 44s to 46s.

EASIER MONEY.

Even Spain is reaping the benefit of improved credit the world over. That government recently asked for a loan of about \$70,000,000 at 4 per cent., the minimum tendered to be under \$450. Ten times the amount was subscribed, so that 10 per cent. in reality filled the loan. Although much of the subscription was believed to be speculative, even this shows confidence in the State, and an extent of capital seeking investment which was hardly suspected. This is the more remarkable because of recent statistics which show that over 50,000 clerics of both sexes are living as unproductive workers; and this besides the fact of the violent attitudes of the anarchists and agricultural laborers, the latter of whom complain that they receive no regular wages, but are paid merely by the job, the ultimate results of which may be more easily imagined than described.

Meetings, Reports, &c.

THE OTTAWA ELECTRIC CO.

Eighth Annual Report of the Directors for the year ending April 30, 1902.

To the Shareholders:

In presenting to you the report of the transactions of the Company for the past year together with the accompanying statements of its operations, your Directors desire to express their gratification at the results which have been attained. The proceeds from the sale of stock and bonds referred to in the seventh annual report of the company, together with the net profits from the business of the past two years have enabled your Directors to practically complete the more important of its new works and to fully provide for all the obligations of the Company. The completion of the new power house with its more modern system of generating and distributing electrical energy has enabled the management to effect the contemplated economies with most pleasing results, as a reference to the accompanying statements will show, notwithstanding that it was only possible to put the majority of such economies into full effect during the latter half of the year, dating from the opening of the new power house on the 16th November last. The Company's operations for the past year show a gross revenue from all sources of \$227,634.83, being an increase of \$31,271.61 over the previous year after making liberal provision for bad and doubtful debts. The gross cost of operating and maintenance was \$115,244.02, leaving a profit of \$112,390.81 from which profit is deducted \$25,-

913.38 for interest paid upon bonds and current liabilities, leaving the net profit \$86,477.43. The percentage of maintenance and operation to gross receipts was practically 50 per cent.

Your Directors deem it important to mention that a considerable amount of work done during the past year in the nature of permanent improvements which was charged to operation and maintenance, might properly have been considered as capital expenditure. An amount of \$75,000 has been carried to depreciation account, to provide for wear and tear and general depreciation of plant. Your attention is respectfully called to the continued increase of installations, and in the number of customers. The Directors are satisfied that the Company is now in such a satisfactory condition that the resumption of the payment of a dividend is assured for the year upon which we are entering.

Your Directors are pleased to be able to bear testimony to the general efficiency of the office staff and the employees generally. Their efforts together with the good and steady service maintained by the Company are reflected by the general expression of satisfaction among the Company's customers. Your Directors have to record with deep regret the death since the last Annual Meeting of the Hon. Francis Clemow, who has been a most valued member of the Board of Directors from the organization of the Company.

All of which is respectfully submitted.

(Signed), T. Ahearn, President; F. P. Bronson, Vice-President; E. H. Bronson, John Coates, A. Lumsden, Directors. Countersigned, D. R. Street, Secretary-Treasurer. Ottawa, June 24th, 1902.

BALANCE SHEET, April 30th, 1902.

Assets.	
Cash on hand and Special Deposits	\$4,542.29
Accounts Current—	
Light and Power	\$75,486.64
Merchandise	14,790.38
Bills receivable	5,990.55
	<u>\$96,267.57</u>
Less balance at credit of Reserve Account, for possible losses	8,034.46
	<u>88,233.11</u>
Merchandise and Stores	34,921.32
Property Plant and Equipment	\$1,630,244.31
Less amount at credit of Reserve Account, for Depreciation and wear and tear	75,000.00
	<u>1,555,244.31</u>
Expenditures, including Insurance, Taxes, etc., paid on account of period beyond April 30th, 1902 ..	6,047.93
	<u>\$1,688,988.96</u>

Liabilities.	
Debentures	\$500,000.00
Accounts Payable —	
Trade	\$36,643.78
Labor	1,283.48
Hydraulic Lots	12,000.00
	<u>49,927.26</u>
Bills Payable	20,000.00
	<u>569,927.26</u>
Total to the Public	
Capital paid in	1,000,000.00
Rest Account	100,000.00
Profit and Loss Account ..	19,061.70
	<u>1,119,061.70</u>
Total to Shareholders	
	<u>\$1,688,988.96</u>

We have examined and hereby certify as correct, the accounts of The Ottawa Electric Company for fiscal year ending on 30th day of April, 1902. We also certify that statement as above is correct and that we found all disbursements duly supported by vouchers.

Ottawa, June 30th, 1902.

A. BAYLY,
R. QUAIN,
Auditors.

INSULATORS



ESTLER BROTHERS,

25 Laurence Pountney Lane,

Telegrams: "ISOLABLE, LONDON."

Cannon Street, LONDON, E.C., Eng

STATEMENT OF REVENUE AND EXPENDITURE

For the Year ending April 30th, 1902.

Revenue.	Expenditure.
Gross Revenue from all sources, viz.:	Gross Cost of Management, Operating and Maintenance \$115,244.02
Arc and Incandescent Lighting, Heating, Power, and Sales of Merchandise .....\$227,634.83	Showing a profit for the year .....\$112,390.81
	To the Expenses as above, the following charges are added, viz.:—
	Interest on Bonds 24,340.82
	Interest on Current Liabilities 1,572.56
	Making the Gross Expenditure .....\$141,157.40
	Leaving a Net Profit for the year of 86,477.43
\$227,634.83	\$227,634.83

PROFIT AND LOSS ACCOUNT.
From May 1st, 1901, to April 30th, 1902.

Difference between par value and selling price (95¾) on \$40 000 bonds, balance of issue December 1st, 1900 \$1,700.00	Balance at Credit April 30th, 1901 \$13,297.75
Costs re Bond Issue 426.55	Net Profit for year ending April 30th, 1902: 86,477.43
Amount placed to credit of Reserve Account to provide for Bad and Doubtful Accounts 3,586.93	
Amount placed to credit of Depreciation Account, to provide for Wear and Tear of Plant 75,000.00	
Balance at Credit April 30th, 1902 19,061.70	\$99,775.18
\$99,775.18	

STATISTICAL STATEMENT.
1894 to 1902.

	27 July 1894	30 April 1895	30 April 1896	30 April 1897	30 April 1898	30 April 1899	30 April 1900	30 April 1901	30 April 1902
Total number of									
Lights "Incandescent"	42,152	48,797	53,331	57,240	63,113	77,255	87,114	93,207	104,407
Lights "Arc"	440	468	497	550	599	621	644	650	752
Heaters	11	15	19	30	32	23	23	17	24
Motors	81	81	81	87	96	103	103	133	157
Customers	2,720	3,007	3,213	3,354	3,569	4,056	4,357	5,208	5,820

D. R. STREET, Secretary-Treasurer.

Ottawa, June 24th, 1902

Certified correct.

A. BAYLY,

R. QUAIN,

Auditors.

“RED HAND”

ROOFING
Foundation Felts.
Inodorous Felts.
Slaters' Felts.
ARE UNEQUALLED

TRADE MARK
ON EVERY YARD. ON EVERY ROLL.

FELTS,
Dry Hair Felts.
Silicate Cotton
Patent Hair Fabric.
THE WORLD OVER

Manufactured by
D. ANDERSON & SON, Ltd., Lagan Works, Belfast, IRELAND.
Hand-books with your Specialities, Name and Address, free.
LOYALTY TO THE TRADE IS OUR MOTTO.

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 Chattle Mortgages and Bills of Sale (for sums of \$550 and upwards), as taken from the public records. It will be understood that the actions or items do not necessarily affect the credit and soundness of the persons or concerns named, as they may have been paid or otherwise settled, and that good defence may exist in case of writs, etc.:

WRITS ISSUED—ONTARIO.

Fesserton—Margt. Lazier vs W. W. Carles, \$597; Gwillimbury E. Tp.—W. W. Pegg vs W. A. Sewell, \$729; London—Montreal Corset Co. vs Wray Corset Co., \$306; London, Eng.—E. R. C. Clarkson vs Ed. Still, \$1,268; Peterboro—A. Mercer vs H. E. Bradley, \$514; Stisted Tp.—A. Bryant vs John Edis, \$450; Toronto—C. W. Anderson and Son vs E. Anderson, \$434; J. Flynn vs Mary J. Grant, et al, exrx, \$906; W. Snider et al vs Robert Rae, \$550; F. Reilly vs Rolston Laundry Co., \$382; W. E. Fish vs A. Wilson & Co., \$10,000 damages; Bank of Commerce vs Harry Ellis, \$464; Winchester Tp.—J. W. Meikle vs J. D. McKercher and wife, \$3,061; East Toronto—J. Macdonald & Co. vs Susannah Field exrx \$371; Grand Valley—M. Lovell vs Jno. Phillips, \$365; Hamilton—Hazell & Son vs Neil McLean, \$454; E. A. Patterson vs Neil McLean, \$647; Kenyon Tp.—Bank of Ottawa vs J. S. Harris et al, assignee, \$1,004; Markham Tp.—H. R. Wales vs Jas. and L. Robinson, \$2,032; Ottawa—J. Hirsch & Son vs Davidson & Davidson, \$1,228; Sault Ste. Marie—Dominion Radiator Co. vs J. A. Symon and R. G. Campbell, \$393; W. Buck & Son vs Symon & Campbell, \$1,098; Toronto—G. W. Bedell vs Canada Cycle & Motor Co., Ltd., et al, \$614,000; Waterloo—L. S. Weber vs C. A. Ritterhaus, \$300;—Sarah A. Learn vs R. Learn, \$841.

WRITS ISSUED—MANITOBA & N.W.T.

Brandon—J. J. Evans, B. Fline and J. Houghton, \$2,392; Rosenort—D. G. Thiesen, \$359; Grand View—J. Sinnott, \$1,011; Lethbridge—A. & T. Scott, \$389.

JUDGMENTS RENDERED—ONTARIO.

Fort William—Dominion Brewery Co. agt A. R. Sutherland, \$1,472; Greenock Tp.—J. Abell Engine Works agt R.

& A. McSween, \$909; London—W. G. Coles agt P. M. Laurason, \$609; Milton—P. McIntosh & Son agt H. F. and Mary A. Naisbitt, \$393; Ottawa—Annie L. McCullough agt Hugh Alexander, \$1,100; Toronto—Farmers' L. & S. Co., agt Wm. Blackley, \$1,876; Farmers' L. & S. Co. agt L. E. Dubois, \$3,797; Waterous Engine Works Co. agt W. J. Hill, \$475; Farmers' L. & S. Co. agt Jas. Hodge et al, \$1,227; D. Y. Leslie agt C. W. Wright, \$1,696; Unionville—Imperial Bank agt Jno. Stepheason & Co., \$4,990; Woodstock—Massey-Harris Co. agt M. Virtue, jr., \$668; Hamilton—J. M. Rousseaux agt A. D. Galloway, \$400; Toronto—Bell Organ and Piano Co., agt Compensating Pipe Organ Co., Ltd., \$12,355.

JUDGMENTS RENDERED—QUEBEC.

Montreal—G. Deserres agt Jos. Brouillette, et al, \$522; J. Lemire agt T. W. Foster, \$194; De. J. Robb agt H. Gilchen, \$388; Port Huron—Turret Steamship Co. agt W. G. Jenks et al, \$4,632; St. Isidore—J. O. H. Perras agt Ls. Poupert, \$323; Westmount—L. J. Jacquemaire agt Gaston de Werthemer et al, \$522; Montreal—L. Bernier et al agt Jos. Beauchamp et al, \$670; S. Bell agt J. A. Bell, \$7,977; S. Bell agt J. A. Bell, \$7,151; G. Belanger agt John Connery, \$175.

JUDGMENTS RENDERED—MANITOBA & N.W.T.

Winnipeg—D. A. Feizer, \$673.

JUDGMENTS RENDERED—NOVA SCOTIA.

Glace Bay—Placide Boudrot, \$315.

EXECUTIONS—QUEBEC.

Montreal—Queen Ins. Co. agt Eleanor Dunham, \$206; J. Burke agt John McCabe, \$209; Harvey Institute agt Dme. Amelia Somerville, \$5,105; M. Robidoux agt Jane Chretien et al, \$236; J. Mulcahy agt Pat. Creamer, \$469; P. Milot agt B. J. Fauteux, \$221; H. Graham agt A. J. Proctor et al, \$198.

CHATTEL MORTGAGES — ONTARIO

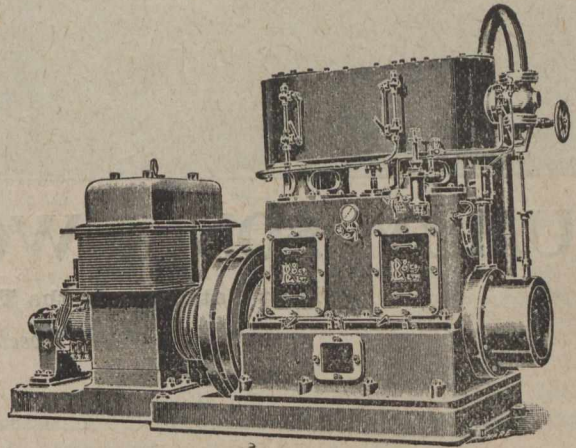
Craighirst—Geo. Stephens to Dymont, Butterfield & Co., \$507; Cramahe—Mrs. Louise Gordon to Canada Perm. Corp. \$816; Norwood—J. C. Moffat to Margt. E. McCrea, \$1,144; Ottawa—Mary and Jos. Delorme to J. H. Kavanagh, \$600; Peterboro—Elizth. Jackson to Dominion Brewing Co., \$1,052; Toronto—F. J. Crone to Dominion Brewery Co., \$3,000;

BROWETT LINDLEY & CO. LTD.

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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.**

F. J. Crone to T. B. Taylor, \$3,000; Wm. Hearn to O'Keefe Brewery Co., \$8,000; Wm. Hearn to G. J. Foy, \$4,000; Clark—V. Dewell to J. Gilroy, \$840; Hamilton—Pure Milk Corpn. Ltd., to W. Southam, \$1,000; Oso Tp.—R. J. Carson to W. T. Cannon, \$824; Ottawa—M. Landreville to V. Landreville, \$5,000; Toronto—H. C. Boulter and wife to E. R. C. Clarkson, \$1,577; John Foster to D. Gladway, \$1,400; J. E. McGarvin to R. Reid, \$2,200; W. H. Stewart and wife to E. R. C. Clarkson, \$1,577; J. Young to L. Henry, \$3,105; Windsor—J. and D. Langlois to A. L. Irion, \$1,600

CHATTEL MORTGAGES—MANITOBA & N.W.T.

Morris—J. Jarratt, \$1,339 and \$1,000; Plum Coulee—E. Weibe, \$1,860; Winnipeg—Howard Drug Co., \$1,326.

CHATTEL MORTGAGES—BRITISH COLUMBIA.

Rossland—N. A. Burritt, \$1,000 and \$1,900.

BILLS OF SALE—ONTARIO.

Mattawa—A. P. Mutchmor to L. H. Timmins, jr., \$3,608; Peterboro—D. H. Kerneghan et al to M. Carton, \$800; Winchester Tp.—A. Ellis to R. McMaster et al, \$2,500; Galt—Hogg and Whiteford to F. Hogg, \$980; Harwich—George Ritchie to L. A. Ritchie, \$1,400; Lancaster Tp.—Ewan McLachlan to Elizth. McLachlan, \$2,000; Mount Forest—D. R. Kennedy to A. W. Wright, \$2,000; Toronto—Dugal Gadway to J. Foster, \$1,900.

BILLS OF SALE—MANITOBA & N.W.T.

Winnipeg—M. B. Lee & Co., \$3,884.

BILLS OF SALE—NEW BRUNSWICK.

Clair Station—Thos. Clair, \$4,000.

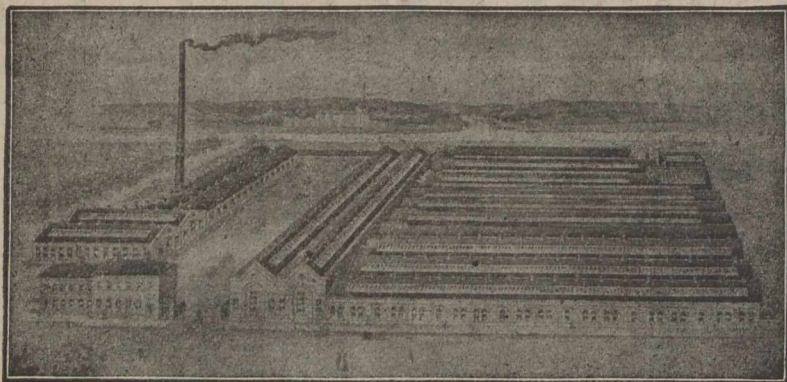
—Life Pointers from the Press.—“Where your treasure is, there will your heart be also.”—Politics is mixed all over. Life policies are plain sailing anywhere.—Practically, men have to be forced to insure their lives. Take an endowment and mark how hard you will not have to be forced into collecting it if you live till it is due. If you do not, your family will collect the insurance without effort.—The woman who said she had made up her husband's mind “where to go this summer,” should approach and capture him on life insurance. (This is as good a “pointer” for agents, by the way, as it is for the uninsured.)—The success gained without effort, inherited or found,

is not liable to be either lasting or pleasant. Be your own achiever.—When you insure your life for your own you impart the present happiness of satisfaction for the assured happiness and comfort of their future.—You have been wrong all along in refusing to insure your life. Change your mind. Be wise. Do your duty to your family.—If your neighbour has a policy, look it and him over carefully. You may see a light.—The safest safe in all the world for your savings is a life insurance policy. Neither burglars while you are alive nor lawyers after you are dead can get a penny of it.

—A strike of 9,000 freight-handlers in Chicago was called on the 7th instant, and every freight house of the 24 railways concerned is practically tied up. Business men fear that the strike will be the most serious which has affected their interests in years. The strike was called by a committee appointed at a meeting of 1,000 freight-handlers. The committee was instructed to call a strike within 48 hours unless the railroads met the demands of the men at once for an increase in wages, extra pay for overtime and holidays, and recognition of the freight-handlers' and warehousemen's union. Many of the railroads had small forces of men previously hired on hand when the strike was called, and by adding to it men from other departments managed to handle perishable commodities. In the hiring of non-union men it is said the railroads run a serious risk of bringing about a strike of the teamsters, who recently won their fight from the packers.

—Life Insurance Decisions.—It is not duplicate taxation to require a license tax of both an insurance company and the agents working for it. *City of Farmington vs Rutherford*, 68 S. W. Rep. (Mo. App.) 83.—In an action on a life policy, the falsity of statements in an application need not be specially pleaded, but may be shown under the general issue. *Leonard vs State Mut. Life Assur. Co.*, 51 At. Rep. (R.I.) 1049.—Under a provision in a policy that if any of the statements in the application are alleged to be other than true, and the party in interest fails to furnish the company evidence satisfactory to it to the contrary, then the policy shall be void until evidence is filed with the company, if the evidence furnished as requested by the company is such as a person of ordinary common sense and honesty would consider satisfactory the insurance company will be bound by such evidence, whether, as a matter of fact, it is accepted or not. *Thompson vs Security Trust & Life Ins. Co.*, of Philadelphia, 41 S. E. Rep. (S.C.) 464.

—The new all-British cable is being pushed to completion and the whole system is expected to be in operation about the end of October. The Fanning-Vancouver section —



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.

3,273 knots—will be the longest in the world, the next being the French cable from Brest to Cape Cod, 3,174 knots. The section connecting Australia and New Zealand has been in operation for some weeks and is said to have done a good business. The different sections of the new cable have lengths as follows: Vancouver (Grappler Creek) to Fanning Island, 3,273 knots; Fanning Island to Fiji, 1,895 knots; Fiji to Norfolk Island, 889; Norfolk to Southport, Queensland, 793; Norfolk to Doubtless Bay, 453; total, 7,303. It is understood that the Canadian Pacific lines will be used for crossing the continent, and the Anglo-American cable for crossing the Atlantic.

—On account of the many nets that are set in the estuary of the Fraser River, B.C., navigation has been somewhat impeded, and during the fishing season these nets are continually being injured and destroyed by steamboats. A new invention has just been completed by Mr. Wurzburg, a former salmon canner on the Fraser River, but now resident in San Francisco, which it is claimed, will overcome the difficulty. A mechanical device is so arranged on the hull of the steamer as to lift out of the way anything which obstructs, and the patentee asserts that the vessel so fitted can pass through a fleet of fishing nets without causing them injury or being impeded.

—Mr. T. Southworth, Ontario Director of Forestry, reports inquiries from Eastern Canada as to owners of white ash timber. A similar communication was received a short time ago from an English firm. Mr. Southworth says that white ash is very scarce in this Province, and Ontario manufacturers themselves cannot get sufficient quantities of it. The wood is used by carriage and saddlery manufacturers, and owing to its scarceness and the demands for it it is exceedingly valuable. He thinks that Ontario farmers would find it valuable to plant the tree in their wood lands. It is a prolific seeder, grows rapidly and is commercially valuable in about ten years.

—The new Government steamer for oyster culture purposes, which was recently launched at Yarmouth, N.S., has reached Charlottetown, P.E.I. It has proved eminently satisfactory, and Mr. Kemp, the Government oyster expert, reports that she is eminently fitted for her special work. The vessel will during the next few weeks be engaged in culture operations off the east end of Prince Edward Island, and later on will take up similar work off the New Brunswick and Nova Scotia coasts.

—The export figures for Hamilton, Ont., show that city to be making successful efforts to forge ahead. The exports from Hamilton to the United States during the year ending June 30 last amounted to \$405,187. In blue grass seed the exports amounted to \$35,500. Hides and calfskins to the value of \$36,500 were sent across the line, \$22,612

worth of rubber scrap, \$44,000 of shorthorn cattle, \$15,000 of tin plate, \$42,000 of wool, \$12,000 of coffee, \$12,338 of tea, and \$5,000 of sausage casings. There were \$8,500 worth of pickles in brine shipped from Burlington.

—The report of the Toronto fire department for last year has been issued, and it shows that the losses by fire in Toronto during 1901 were the lowest in fourteen years, and the number of alarms or actual fires was the lowest on record. Not a general alarm was sounded. The losses totalled \$122,126, on buildings \$40,866, and on contents \$81,260, and the insurance totalled \$1,079,626, on buildings \$593,316, and on contents \$486,310. The amount of insurance paid was \$113,014, and the loss over insurance paid \$2,500. The losses not insured amounted to \$6,162.

—A lease of the Hull Electric Railway for a period of five years will, it is stated, on good authority, be made by the Ottawa Electric Railway Company. When the latter corporation secures control of the Quebec line the question of establishing a loop line and double track in Hull will be taken up. With these improvements the service of the road will be greatly improved, and the facilities for handling the traffic increased.

—Specifications are being prepared by the Department of Railways and Canals in connection with the plans for removing obstructions in the Welland Canal from Port Colborne to Welland. These obstructions consist of stone piers supporting bridges and other obstacles to navigation. Instead of resting on stone piers springing from the water the bridges will swing clear of the canal, and thus allow an uninterrupted channel to shipping. The amount voted by Parliament for the improvement is \$95,000.

—The Canadian Pacific management have decided to commence at once the construction of new buildings at Perth, Ont., to take the place of those destroyed by fire. The company had placed large orders at their Perth establishment for cars to be used to bring the grain down from the North West in the autumn. A few weeks ago work was begun on an order for the construction of 800 box cars, and this order will be pushed rapidly forward.

—Sydney, N.S., advices state that a seven foot seam of coal was discovered by boring near Cochrane's Lake, a few miles to the rear of Port Morien. Prospectors have been working in this locality for some time with varied success. Local capitalists are largely interested in the venture and it is stated that they propose to develop it. Influential New York capitalists are also interested.

—The offer of twenty-five cents in the dollar recently made by J. D. Kidd, clothier, of Warton, Ont., has been refused, and the insolvent has assigned. The liabilities

VENTILATORS & SMOKE CURES

HEAT, GOOD, CHEAP. IN ZINC. OR ROLLED COPPER. Many References, etc.

"ACME" Mechanical Ventilator. SPHERICAL VENTILATORS.

Fig. 1. Acme Patent Concealed Ridge Ventilator Outlet. **1/8 FULL SIZE**. Fig. 2.—As fixed. Side View. 31 YEARS' EXPERIENCE. Tests and comparison invited. Made to any design.

Fig. 4. Acme Louvers for Walls, Gables, Roofs, etc.

Fig. 5. Venetian Dry Wall Inlets. Various Sizes from 1 ft.

Fig. 6. Wave Proof. Snow Proof. No Goods. GENUINE without ANY Size or Pattern for the TRADE MARK Affixed. Buildings, Drains, etc.

Fig. 7. Spherical Ventilator. TRADE MARK. KARMA. ACME VENTILATING & HEATING CO. LIVERPOOL.

Fig. 8. Acme Door and Partition Louvre Ventilator.

Fig. 9. Acme Mechanical Ventilator. SPHERICAL VENTILATORS. By Electricity, Water, Gas, Steam, Hand or Horse Power.

Fig. 10. Telegrams, Keyworth, Liverpool. A. B. C. Code, (4th Edition.)

ACME VENTILATING & HEATING CO., LIVERPOOL, ENGLAND.

“ACME” CHIMNEY COWL. In Steel, Copper and Terra-Cotta. Readily swept. Patents. Down draught. 25/- to 35/- One of several types of Smoke Cures we make. Suitable for all Conditions and Situations. 3/2

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

are about \$11,000 and assets \$5,000. W. H. Haines & Co., boots and shoes, Toronto, have assigned to the Union Trust Company. The liabilities are not expected to exceed \$2,500. A meeting of creditors has been called for the 14th.

—Farmers in the vicinity of London, Ont., are complaining of the damaging effects of the too frequent rain-storms. Advices from some townships state that both clover and pea stalks are rotting while corn may be a failure because of the cold, wet weather. So far it has been impossible to get in the tremendous crop of hay, which requires only a few days of sunshine.

The Customs receipts for last month at the port of Hamilton were \$71,230.48, an increase of \$8,094.45 as compared with the same month last year. The total for the fiscal year ending June 30, 1902, amounted to \$839,877.56, an increase over the collections for the year ending June, 1901, amounting to 68,771.46.

—The directors of the Merchants' Bank presented Mr. Geo. Hague, general manager for the last twenty-five years of that bank, with a massive silver vessel as a token of their regard on the occasion of his retirement lately. The article will doubtless prove more ornamental than useful to the able, veteran banker.

—Further enlargements of the dock accommodation at Port Carling Ont., have been decided upon by the Public Works Department owing to the growth of traffic in the Muskoka Lakes. The swing bridge over the lock will also be reconstructed.

—It has been decided to add four storeys to the Windsor Hotel, Montreal, to be placed on top of the music hall portion of the building. This will give the hotel an added accommodation of 100 rooms. The improvements will likely cost in the vicinity of \$100,000.

—The Goodwin Company, dealers in law books and stationery, Toronto, have assigned. C. W. Goodwin was manager of the company, which has been in business for about five years. The liabilities will be in the neighborhood of \$3,000.

—The Humber Power and Light Company, Toronto Junction, has deposited with the Town Treasurer security for carrying out their contract with the town. The work of construction will go on immediately.

—The paying teller and assistant cashier of the Wells-Fargo Bank at Salt Lake City have been arrested on a charge of stealing \$60,000. ?

—A branch of the People's Bank of Halifax has been opened at Andover, N.B., under the management of Mr. J. G. Dickenson.

—The Toronto Property Committee has decided to recommend the imposition of a tax of \$50 per year on all laundries doing business in the city.

—The output of coal by the Dominion Coal Company for the month of June was 282,947 tons, an increase of 24,000 tons over the month of May.

—At St. Mary's, Ont., on the 7th inst., a bylaw for the extension of the electric light and water works system was voted on and defeated by four votes.

—It is stated that preparations are being made for the lengthening of the Collingwood, Ont., dry dock to 530 feet.

—Grand Trunk Railway System—Earnings 1st to 7th July, 1902, \$581,891; 1901, \$512,472; increase, \$69,419.

W. H. PALMER & CO.

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

78 Old Street,

ESTABLISHED 1805.

LONDON, E. C., ENG.

—Grand Trunk Railway System — Gadsby & McCann, \$2,000; Burns & Co., \$5,000; P. McIntosh & Sons, \$40,000. Insurance partial.

—Fire which started in the old Street Railway stables, Toronto, on the 10th inst., resulted in the loss of five lives, firemen killed while on duty. The buildings burned were: McIntosh & Sons, Gadsby & McCann, Burns & Co., ice storage warehouse, and Brown & Lane. Loss to machinery, \$20,000;

—A by-law was adopted at Toronto Junction granting exemption for 10 years to the Wilkinson plow works on a number of new buildings which the firm purposes erecting. A number of additional hands will be required when the buildings are completed.

FINANCIAL REVIEW.

Montreal, Thursday E'vg., 10th July, 1902.

The dog days having set in with a rage, the question most prominent is, "What are the wild waves saying?" rather than what are stocks doing. Still the wheels of finance must be kept whirling, though just now there is little interest being taken in anything. There has been a flutter on

YORKSHIRE RELISH

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

Proprietors, GOODALL, BACKHOUSE & CO., LEEDS.

AGENT FOR CANADA

ENGLAND.

CHAS. GYDE,

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

the London Stock Exchange owing to fears of some operators failing to meet engagements at the settlement. Some stronger firms came to the rescue and saved trouble. By ill luck or bad judgment there had been a double mistake made by active operators; they had been working as bulls on South African shares, and as bears in American securities. Such a combination spelt ruin to some and general embarrassment. Now, while "one man in his time plays many parts," it is evident that, to play "bull" and "bear" simultaneously is a role of special difficulty, so no wonder some of these would be zoological wonders came to grief. The feeling today is better, Kaffirs dropped again and found buyers waiting. Consols remain steady at 96 3-16 to 96 1/4, but

as other investments pay so much better, Consols are not in much favour. Interest is acute in the States over the heavy shipments of money from New York to Chicago, caused by an enormous operation in corn going on. The money sent West on 9th is regarded as the largest in amount on record, some \$1,500,000 having gone by one or other means of transportation. It is expected that Chicago will have drawn 17 millions of dollars from New York this month if the drain continues a few days longer. The corner in corn is a big affair, and is believed to be backed up by several banks and trust companies in New York, some of the latter's profits being so large as to indicate a speculative class of business. Corn that stood as today in 1901 at 51 3/4, is quoted at 70 1/2, the bad weather being the bull in this case. The local

market is resting quietly. Little spurts now and again occur, but sluggish is the word at present. A few Pacific have changed hands at 135 3/8 to 135 7/8; Montreal St., 275; Power, 100 1/2; Dom. Steel, preferred, 94; Dominion Coal, 133 to 133 7/8; Ogilvie, 113; Richelieu, 110. But the market is very dull. A few Merchants' Bank have fetched 150 1/4 and 151; Hochelaga, 136; there is no demand for bank stocks. Berlin, exchange on London, 20m. 46 1/2 pf.; Paris, 25f. 16c. Money in London, is at 2 to 2 1/2 per cent. New York, call money, 3 to 4 per cent. Local sterling exchange, 60's, 9 3/8; demand, 9 7/8. Money rates remain unchanged.

The following is a comparative table of stocks for week ending July 10th, supplied by Chas. Meredith & Co., Stock Brokers, Montreal.

Cable Address: EILLS, Liverpool.

EILLS & COMPANY,

LIVERPOOL, Eng.

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

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

SPECIAL AGENTS FOR

Danish and Irish Butter

IN TINS.

WRITE FOR OUR EXPORT PRICE LIST.

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

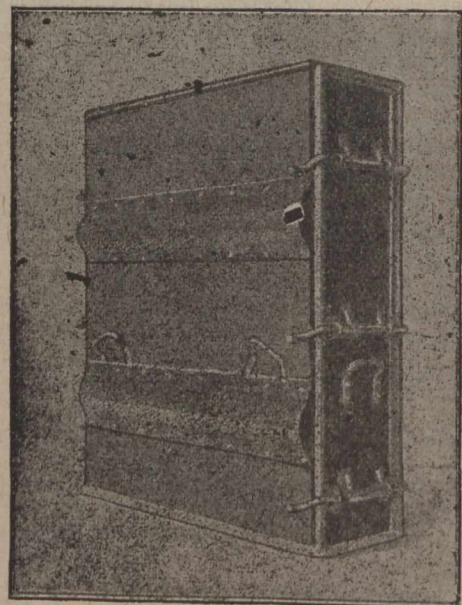
OFFICE:

12 Hanover Street, - LIVERPOOL, Eng.

Special rates to Canadians under the New
Preferential Tariff

SOAP FRAMES

PATENTS—No. 5107/93; No. 10362/99.



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

Easily Erected. Self-Caulking. Guaranteed not to Warp.

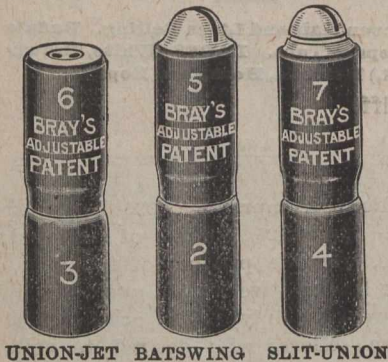
Wheels and Axles fitted if required.

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

Soap Trade Supplied under the new Tariff

Bray's "Adjustable Special" Gas Burners

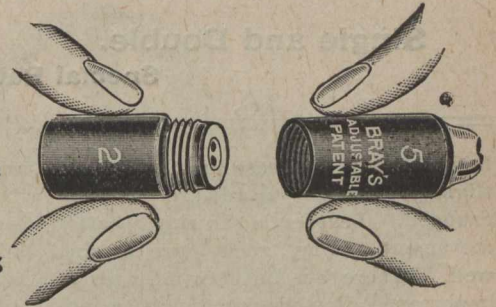
Contain all advantages of our "SPECIAL" Burner being in two parts, a top and bottom, which can be adjusted to suit any pressure of gas. See Woodcuts.



UNION-JET BATSWING SLIT-UNION

SIZES.

TOPS
 Union-Jets }
 Batswing } 3 to 8
 Slit-Unions }
 BOTTOMS Union-Jets 00 to 5



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

Banks.	Shares.	Average same date	1901.	1902.	1903.	1904.
Montreal	8 258	256	254 1/2			
Toronto	1 240	240	.....		
Merchants	141 151	149	153			
Commerce	88 157 1/4	156	155 1/2			
Hochelaga	25 136	136	135			
Quebec	2 118	118	.....		
Miscellaneous.						
Can. Pac. Ry.	2313 136	134 3/4	103 1/8			
Do. New	550 131 3/4	130 1/4	.....		
Montreal St.	250 276	273	285 3/4			
Mont. Power	437 101 1/2	100 1/2	94			
Toronto St.	200 119 3/4	119 1/4	109			
Halifax St.	50 104 3/4	104 1/2	95			
Twin City	425 119 3/4	119	92			
Rich. & Ont.	550 110 3/4	110	117 1/4			
Com. Cable	32 164 1/2	164 1/2	177 1/2			
Bell Tel.	2 167	167	171			
Mont. Cotton.	40 128	128	126			
Dom. Cotton	25 57	57	75			
Payne	5100 16	16	15			
North Star	500 18	18	51			
Dom. Coal, com.	875 135	132 3/4	39 1/2			
Do. pref.	35 113	113	115			
Ogilvie, pref.	1280 119 1/8	110	.....		
Laur. Pulp Co.	88 100	98 1/2	.....		
N. W. Land, pf.	150 95	94 1/2	.....		
Detroit U.E. Ry.	590 77 1/2	77	.....		
Dom. L. & S., com	1712 54	50	33			
Do. pref.	50 95	93 1/2	84 1/2			
Nova Scotia Stl.	5 106	106	.....		
Bonds.						
Montreal St.	56400 107 1/8	106 1/2	.....		
Ogilvie	21000 115	112 1/2	.....		
Can. Col. Cotton	4500 100 3/4	100 3/4	98			
Laur. Pulp	1000 106*	106*	.....		
Montey Cot'n	10000 100	100	.....		
Dom. L. & S.	46000 90 1/2	90	86			

*And interest.

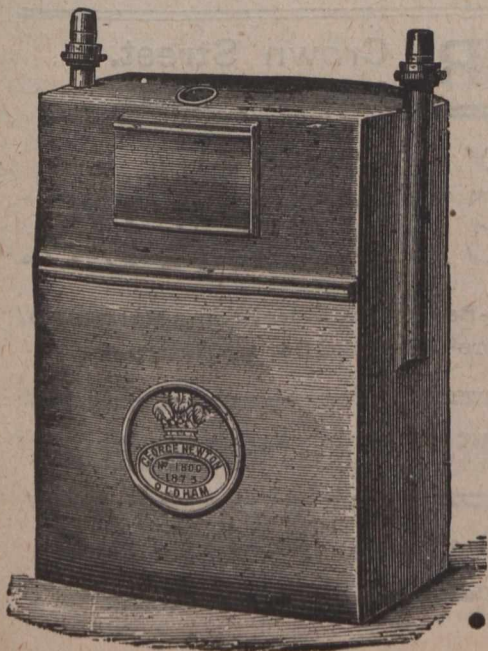
—Ottawa Clearing House—Week ending 3rd July 1902: Clearings, \$1,431,834; balances, \$295,050.

MONTREAL WHOLESALE MARKETS.

Thursday, July 10th, 1902.

The excessive rains have eased off during the past week, and with the warm weather now prevailing excellent crops are assured. In Manitoba and the Northwest the older settlers have an added reason for hoping that the present favorable crop conditions may continue; for with another such yield as that of last year the newcomers will be the most enthusiastic advertisers for the country. Values are

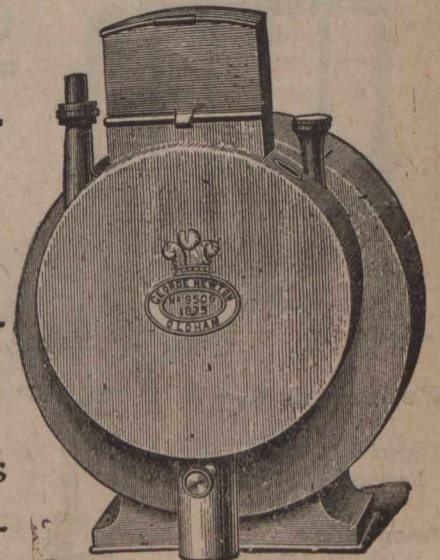
GEORGE NEWTON, LTD.



GAS METER = MANUFACTURERS.

OLDHAM, ENGLAND.

Special quotations under the new Canadian Preferential Tariff,



Established 1857.

JOHN OLDFIELD & CO.,

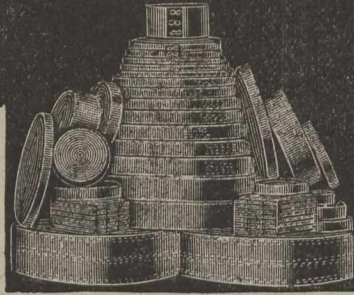
THE CITY TANNERY
& LEATHER WORKS,

BRADFORD, - - England.

OAK-TANNED LEATHER BELTING.

Single and Double.

LEATHER BELTING

SINGLE AND DOUBLE
LEATHER BELTINGSPECIALITY
EXTRA STOUT
OAK-TANNED

LEATHER-LINK

—OR—

CHAIN BELTING.

For Electric and Heavy Driving

Picking Straps, Bark, Tanned Green,
Buffalo Hide & Helvetia.Solid Woven Hair and Linen Belting. Buffalo
Hide, Skeps or Tubs. LAOES—White, Brown
(or Oiled,) Helvetia, Hery and Rep.

Special Rates to Canadians under the New Tariff.

fairly steady. Cheese and butter are slightly easier. Hardware is unchanged. Leather is showing a better movement. Dry goods are moving well. There are but few failures of importance. Eastern importers, manufacturers and bankers are jubilant over the prospects for bountiful crops in the West.

BUTTER.

The market is showing a decidedly easier tendency and is reported quiet

and dull, export orders not coming in freely. A good portion of receipts are going into refrigerator for later sale. Locally there is a good business passing, and prices show little, if any, change. Finest creamery for export sells at 19½c to 20c; second quality, 18½c to 19c; Western dairy brought 16½c to 17c, real fine bringing the outside figure. Medium quality sold at 15c to 16c. The outlook is for a slow market the balance of the month as hot weather prevents free movement.

CEMENTS, ETC.

Arrivals for week 61,000 fire bricks. No cement. Stocks of latter are very light with trade fairly good in jobbing quantities. Stocks of firebricks are ample under a fair demand. Prices of both are steady.

CHEESE.

The market is reported heavy with larger offerings and prices gradually easing down. New Ontario is worth 9½c to 9¾c and Quebec, 9¼c to 9½c. Interior sales: Peterboro, Ont., July 9.—3,490 boxes cheese, all colored, third week of June make, boarded. The bidding was brisk. The board was cleared at 9¾c. Board adjourned for two weeks. Then to offer first half of July make.—Woodstock, Ont., July 9.—The cheese market here today was the duller of the season, not a sale or even a bid being registered on the board. The offerings were

also light; comprising 1,395 boxes of white and 1,125 boxes of colored cheese, was the product of the make of the last two weeks of June and the first week of July. The price issued by the sellers, who desired to sell, ranged from 9½c to 9¾c.—Stirling, Ont., 9.—At cheese board to-day 1,100 were boarded. Sales: 600 at 9 7-16c; 500 at 9 7-16c; board adjourned till July 16th.—Russell, Ont., 9.—At the regular cheese board to-night 600 cheese were offered; price, bid, 9¾c;

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.

TENDERS FOR DEBENTURES.

Sealed Tenders, addressed to the undersigned, and marked, "Tender for Sewerage Debentures" will be received up till noon, on Tuesday, July 15th, 1902, for the purchase of the whole, or any part of an issue of Fifty Thousand Dollars, of 3½ per cent. Town of Campbellton, Sewerage Debentures, in denominations to suit purchasers, redeemable in 40 years from date of issue, with interest payable annually, to bearer, at the office of the Town Treasurer of the Town of Campbellton, N.B.

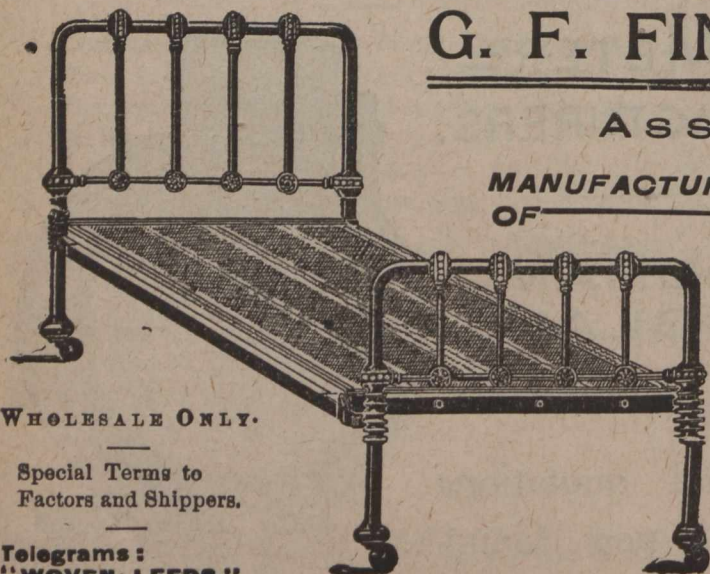
The highest or any tender not necessarily accepted.

For particulars apply to

D. Murray, M.D.,

Chairman Finance Committee.

CAMPBELLTON, N.B., June 26th, 1902.

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

Assembly Works,

MANUFACTURER
OF

BEDSTEADS.

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

WIRE MESHES FOR MATTRESS MAKERS.

Angle Irons and Dovetails for Wood Bedsteads.

Special terms to Canadians under the New Preferential Tariff.

WHOLESALE ONLY.

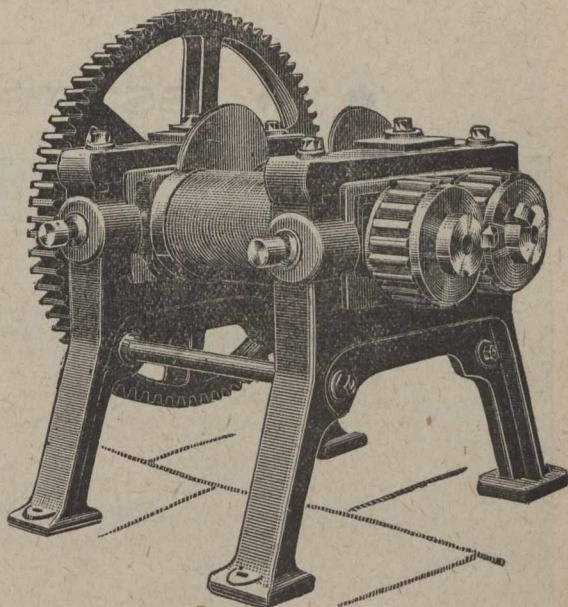
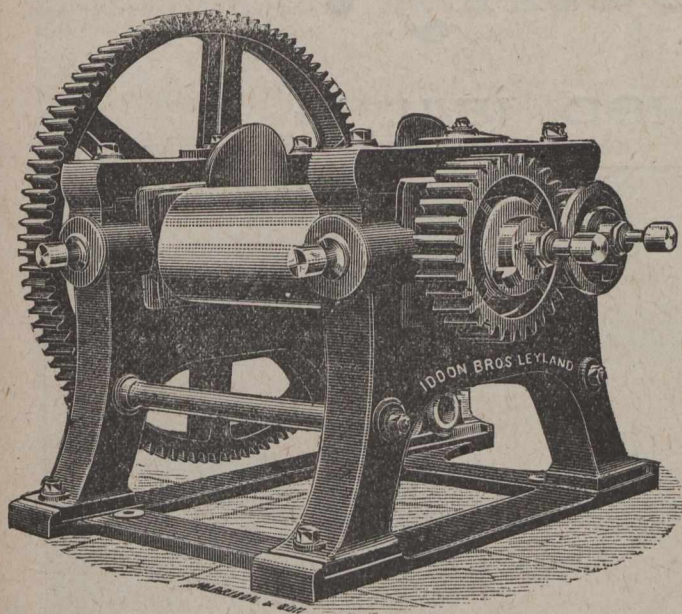
Special Terms to
Factors and Shippers.Telegrams:
"WOVEN, LEEDS."

IDDON BROTHERS,**INDIA RUBBER
ENGINEERS,**

Brookfield Iron Works,

Leyland, ^{near} PRESTON, England.**ENGINEERS and
RUBBER MACHINISTS,**Plans for erection and completion of New Rubber
Works throughout, on the most modern principle.

Specialities:— All kinds of Rubber Machinery.



SPECIAL NOTE:—Buyers of Rubber Machinery have 33⅓ p.c., in their favor by purchasing from the Makers and Inventors in England, under the new Canadian Preferential Tariff.

one lot sold.—Madoc, Ont., 9.—Eighteen factories boarded 1,070 boxes cheese. All sold at 9½c.

DRUGS.

An advance has occurred in the prices for bulk cocoa butter on account of the higher average prices realized at the recent monthly auction at Amsterdam. In view of the small offerings at Amsterdam and London and the postponement of the latter sale until July 8, it was expected that the Amsterdam auction would go off at an advance, but the trade did not anticipate such high prices as were paid. The sale went off at an average price of seventy-four Dutch cents per half kilogram. This is the highest average of the year and represents an advance of seven Dutch cents over the average of the June sale.

The offerings for the Amsterdam aggregated only eighty-three tons, the participation being as follows: Fifty-five tons of Van Houten, twelve tons of Mignon, eight tons of de Jong, four tons of Helm and four tons of Bedtke. or the postponed London sale there are offered fifty tons of Cadbury's brand. These offerings are the lightest since last October.

EGGS.

Stock is not plentiful. Receipts are running lighter, which gives the market a decidedly strong tendency. Best marks are ½c dozen higher. Sales are made at 14½c to 15c for average lots; large lots, 14c. P.E.I. stock, 13c to 13½c.

FLOUR AND FEED.

No change in prices since last report. There is a good movement all round. Cornmeal is very firm owing to higher prices for corn in the U.S. Rolled oats are steady. Baled hay is a little easier owing to the expected large yield. We quote: No. 1, \$9 to \$9.50; No. 2, \$8 to \$8.50; clover, \$7 to \$7.50 per ton, in car lots.

GREEN FRUIT, ETC.

The market is flooded with strawberries, the greater portion being small and of inferior quality rushed in on consignment from local gardens. These fetch 4c to 5c per small box in crate lots. The presence of water melons denotes that midsummer is at hand. Reports to the Department of Agriculture state that the prospects are good for a fairly large crop of early apples in Canada. Red Astrachans, St. Lawrence, and similar varieties will be abundant enough to provide a comparatively large quantity for export. By arrangement with the department several steamers of the different lines have been fitted for the circulation of cooled air through the spaces where cheese and apples are to be carried. The more tender varieties of apples would go into the regular cold storage compartments, those in firmer condition could be carried in the cooled air chambers. Apple shippers who intend to ship such varieties would do well to communicate with the Commissioner of Agriculture at Ottawa, as the department is willing to co-operate as far as possible with the ship-

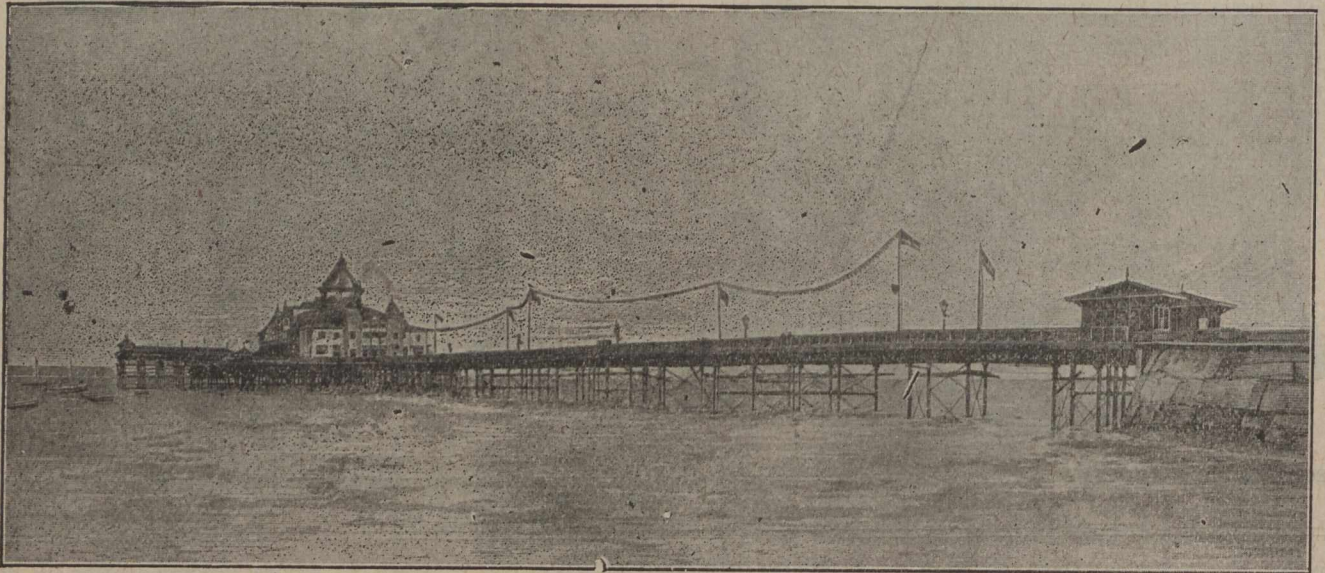
pers to secure accommodation in the cooled air space or in the regular cold storage chambers for the delivery of the fruit in the very best condition in the markets of the United Kingdom. We quote: Messina oranges, \$3.25 to \$4 box; Val. oranges, 420s, ordinary, \$5.50; do., do., 420s, large, \$6.00; Jumbo, \$7.00; lemons, 360s, \$2.00 to \$2.75; do., 300s, \$2.00 to \$3.00; bananas, 8-hands, \$1.35 to \$1.50; No. 1 do., \$1.75 to \$2.25; extras, \$2.50; new figs, mats, 3½c per lb.; do. boxes, 8c to 12c per lb.; new dates, 4½c per lb.; nuts, Pecans, extra large, 17c; Cape Cod cranberries, \$7 to \$10; pines, 15c to 20c; strawberries, 4½c to 7c box; cucumbers, hot house, 45c dozen; do. native, 25c dozen; Tennessee tomatoes, \$1.00 per crt.; asparagus, \$1.25 to \$1.50 basket; size 24 pines, \$3.75; do. 30 pines, \$3.50; Can. asparagus, 90c to \$1.10 basket; green beans, \$2.50 per basket; white do., \$2.50 per basket; Bermuda onions, \$2.75 per crt.; limes, \$1.50 per box; Cal. cherries, \$2 to \$2.25 per box; cherries, per basket, \$1.00 to \$1.25; Cal. peaches, \$1.80 to \$2; Cal. plums, \$2.25 per box; cabbage, \$1.50 to \$2.00; Egyptian onions, 3½c per lb.; Cal. apricots, \$2.75 per box; raspberries, 10c to 12½c; blackberries, 8c to 10c; new apples, per box, \$2.00; musk melons, 3.50 per crate; water-melons, 25c to 35c each.

GREEN HIDES.

The element of speculation has given way to steadiness and the prices as we have quoted them for the past weeks are now fully recognized. Beef hides, 9c, 8c and 7c; calfskins, 12c and 10c lb.; lambskins, 30c. Trade shows

Widnes Foundry Company.

✻ ✻ ESTABLISHED 1841. ✻ ✻



Morecambe Pier (East View),

ERECTED, 1898, BY

THE WIDNES FOUNDRY CO.

WIDNES,

Lancashire, - - England.

an improvement over that of a year ago.

GROCERIES.

Sugars are moving freely at the low prices existing. Values remain steady on the basis of \$3.65 for granulated. The opening prices on future canned fruit, referred to in last issue, have been delayed, and will not be issued until July 25. Prices all round are steady under a good trade in seasonable goods. Teas maintain their firm attitude.

HARDWARE.

Prices, generally, are steady under a good trade for this usually dull period. Binder twine is higher owing

to an actual shortage. Some jobbers are refusing to accept orders owing to inability to fill. Meantime the probability of an extra quantity being needed throughout the West is becoming stronger.

POTATOES.

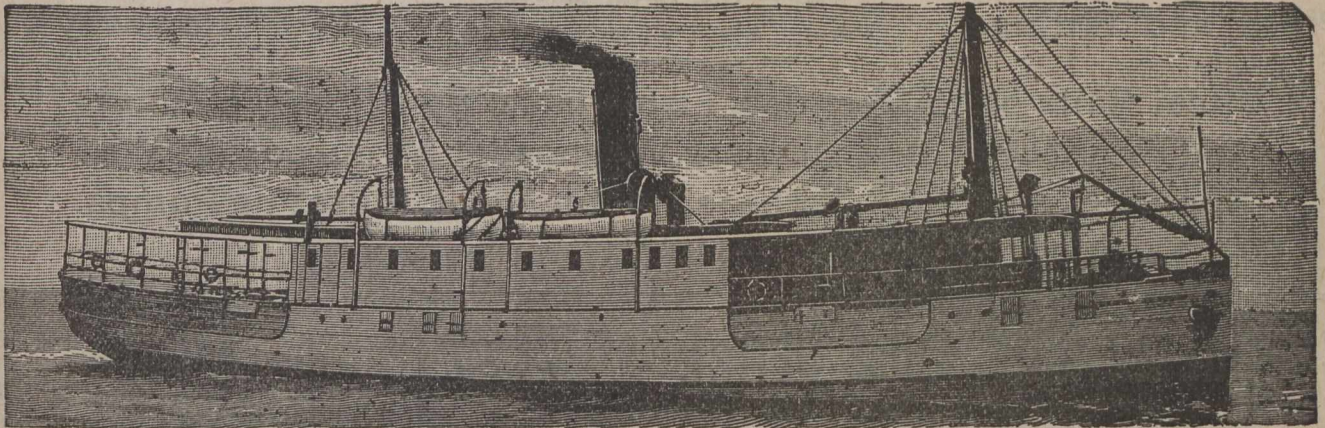
Last week the price of best old potatoes ran as high as \$1.50 per bag in small lots. Large lots were not to be had. This evidently set "the man with the hoe" to work grubbing out new potatoes, and hurrying them on to the market apparently regardless of whether they were as large as haws. This in turn relieved the market and prices of new potatoes dropped 50 per cent. Prices range at from \$2.25 to \$3.00 per barrel.

OILS, PAINTS, ETC.

Interest is centred in cod liver oil. The price of the Norwegian article having been steadily advancing for months. Present quotations for jobbing supplies are \$2 to \$2.25. Some leading importers here are not ordering this season, the Newfoundland oil proving of such satisfactory quality as to freely take its place. The lurch on the Norwegian oil being ad valorem adds considerably to its cost at present in comparison to that reaching the U.S. markets where the duty is specific and causes the oil to be now laid down there much cheaper. Cable advices from Norway give the final returns of the Norwegian cod fishing and the production of medicin-

Lytham Shipbuilding & Engineering Co.

LYTHAM ENGLAND.



Builders of Light Draft Twin-Screw Steel River Passenger Steamers as supplied for
H. M. Indian Government.

STEAM LAUNCHES UNDER CONSTRUCTION FOR SALE. STEEL STEAM BARGES. TWIN & SINGLE SCREW
STEAM TUG BOATS. Telegraphic Address: Sternwheel, Lytham.

al cod liver oil The figures show a total production of 13,800 hectoliters of oil or 9,000 hectoliters less than was produced last season. The total outturn of oil this year is divided among the various fisheries as follows: Lofoten, 9,600 hectoliters; Sondmore, 2,000 hectoliters, and Finnmarken, 2200 hectoliters. The following figures show the total amount of oil produced in Norway during the each of the ten seasons from 1893 to 1902:

Year.	Hectolits	Year.	Hectolit.
1902	13,800	1897	24,900
1901	22,800	1896	19,400
1900	21,200	1895	16,000
1899	24,100	1894	18,200
1898	18,500	1893	23,700

These figures prove that the reports of a short crop have not been exaggerated, and that the present high prices for cod liver oil are fully warranted by conditions. When it is taken into consideration that the worlds av-

erage annual consumption of cod liver oil is between 25,000 and 30,000 barrels, the shortness of the crop will be appreciated. Linseed oils have declined 2c, raw being now 81c to 82c and boiled 84c to 85c. Turpentine is unchanged at 71c to 72c. Paints are unchanged.

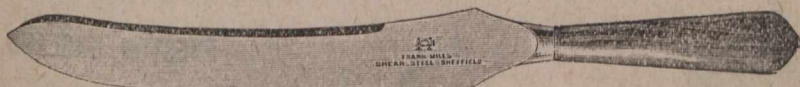
PROVISIONS.

Midsummer trade is above the average, hams and bacon moving with a freedom only observable at times when other flesh meats are held in check through cost or scarcity. Lard is also in good request. Barrel pork is low in movement and unchanged as to prices Dressed hogs are slightly easier at \$8 to \$9.50. We quote:— Bbls heavy Canada short cut mess pork, \$25.00; tierces heavy Canada short cut mess pork, \$37.00; half barrels do., \$12.75; Canada short cut back pork, (family), \$24.00; half-barrels do., \$12.25; heavy Canada mess pork, long cut, \$24;

heavy Canada short cut clear pork, \$24; half-barrels do., \$12.25; light Canada short cut clear pork, \$24; heavy flank pork, \$24; best brand pure lard, 20 lb. pails, \$2.20; compound do., \$1.85; hams, 12½c to 14½c; bacon, 12½c to 15c. — Chicago, July 9. — Provisions closed from 5c to 10c lower. Futures closed: Pork, July, \$18.47½; September, \$18.60; January, \$18.60; October, \$18.10. Lard, July, \$10.95½; September, \$10.95; October, \$10.87½; November, \$10.80; December, \$9.62½; January, \$9.30 to \$9.32½; May, \$9.22½. Ribs, July, \$10.65; September, \$10.72½; October, \$10.50; January, \$8.55. Cash quotations: Mess pork, \$18.47½ to \$18.52½; lard, \$10.95; short ribs, sides, loose, \$10.60 to \$10.70; dry salted shoulders, boxed, 8¾c to 9c; short clear sides, boxed, \$11.25 to \$11.37½.—Liverpool, 9.—Bacon, long clear middles, light, strong, 59s 6d; long clear middles, heavy, strong, 59s; short

Do you Stock the World
Renowned

Carvers?



ESTABLISHED 1886.



(Contractors to the British Government)

Razors, Table Cutlery, Pen and Pocket Knives, Spoons, Salts, Cruets,
Tea and Coffee Services, Fish Eaters, Desserts, Cabinets, Etc.

If not, move with the times and please write for Samples to

FRANK MILLS & CO.,

Hanover Works, Division Street, Sheffield, Eng.

R. WHITE & SONS, Widnes, England.

Locomotives, . . .
Cranes of all kinds,
Steam and Water
Pipes and Fittings.

Cable Address:
"RAILS," Widnes, England.

A.B.C. and Universal Mining Codes.
Engineering Telegraph Code,
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Galvanized Sheets,
Bar Iron, Aerial
Wire Ropeways. .

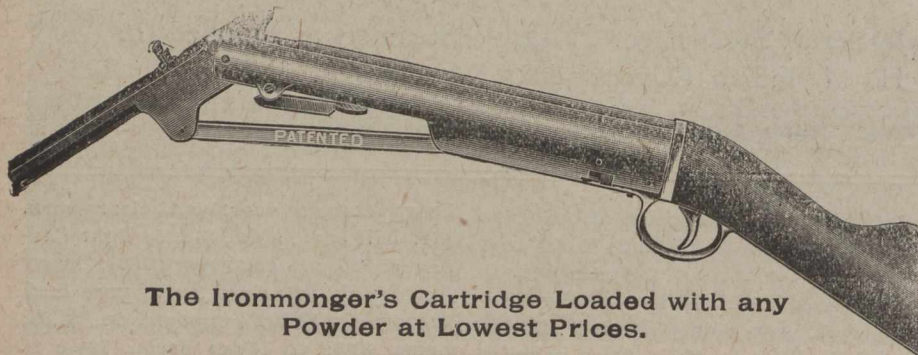
Steel Rails of all Sections, Fish Plates, Bolts, Spikes, Points and Crossings, Steel Sleepers, Wagons for all purposes, Wire Ropes, Pit Headings, Screens, Mining Steel, Pulsating Pumps.

Cuts will be inserted when received.

Special 22 Rifle, Long Barrel,

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

AT LOW
PRICE.



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

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

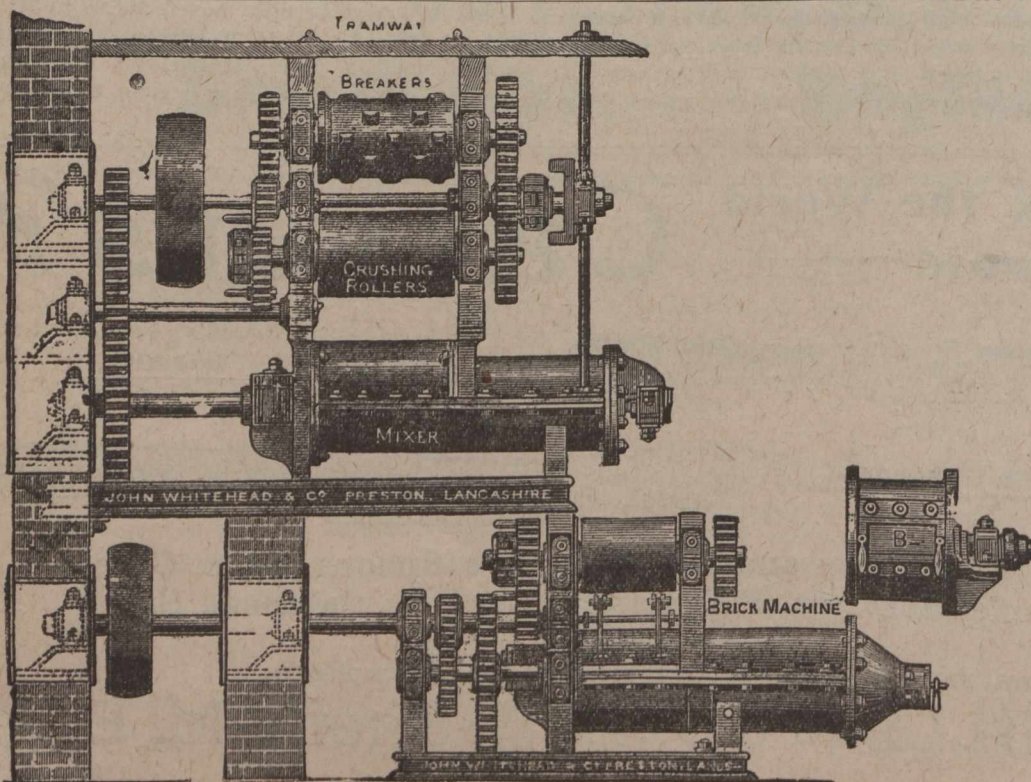
NOTE.—Buyers of these Guns in Canada, have 33 1/3 p.c. in their favour, by purchasing in England, under the new tariff, from this firm.

ing prices. Of the conditions here there is little to be said. Some wool is arriving and some selling, with the market holding firm. Real fine wools do not appear to be much wanted. To compete with foreign manufactured goods efforts will, doubtless, be made in blending, or in the use of whatever can be secured at a shaded figure. Canadian mills can turn out as fine goods as a Canadian tailor can sew into suits, but there are conditions existing against which it is hard to successfully operate. At the wool auction sales on the 9th instant, 13,092 bales were offered, which consisted of a superior selection. There was a full attendance and there was an animated competition. Merinos were firm and fine grades were in active request. Crossbreds sold well and fine grades were very firm. Coarse inferior stock was in good supply and in buyers' favor. Withdrawals were frequent; scoureds were firm. The sale in detail was as follows: New South Wales—3,200 bales; scoured, 8d to 1s 8 1/2d; greasy, 4 1/2d to 1s. Queensland—400 bales; scoured, 1s 5 1/2d to 1s 10 1/2d; greasy, 7 1/4d to 10d. Victoria—

clear backs, strong, 59s 6d; clear bellies, strong, 60s; shoulders, square, strong, 46s. Lard, prime western, strong, 55s 9d; American refined, strong, 54s 9d.

WOOL.

London auctions are again on. At Tuesday's opening prices were generally firm, with merinos showing an advance of 5 per cent. over last clos-



Telegraphic address:—

"Briotle, Preston."

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

John Whitehead & Co.,
Limited.

Albert Works,

PRESTON, ENGLAND.

Brickmaking Plant

"The Manchester."

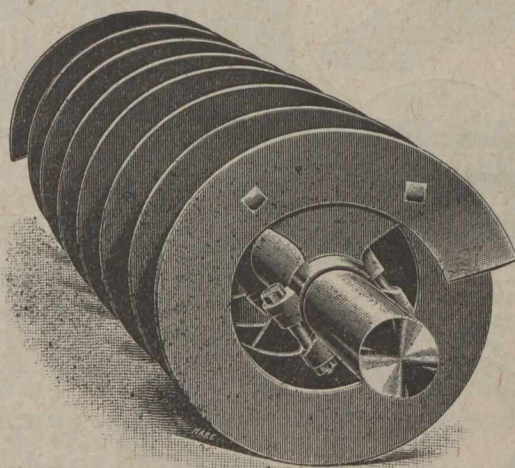
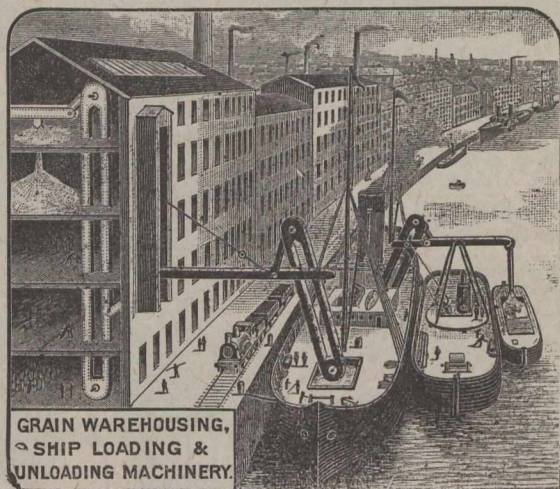
Machinery and appliances for the manufacture of Bricks, Tiles and Pipes, under the new Canadian Preferential Tariff.

Contractors to H. M. GOVERNMENT.

Telegrams: "CONVEYOR, ACCRINGTON."

CONVEYOR and ELEVATOR CO.

LOWER BRIDGE WORKS,
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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.

2,600 bales; scoured, 6½d to 1s 9½d; greasy, 4¼d to 1s 2d.—South Australia—800 bales; scoured, 1s 4d to 1s 6d; greasy, 4d to 10d. West Australia—1,000 bales; scoured, 6d to 1s 2d; greasy, 5¾d to 7¼d. New Zealand—5,000 bales; scoured, 5¾d to 1s 6d; greasy, 3d to 9d. Cape of Good Hope and Natal—600 bales; scoured, 11d to 1s 6½d; greasy, 3¾d to 7½d. Spain—100 bales; greasy, 5¼d.

JAMES BLIGH & SON, LIMITED.

As makers of landaus, broughams, Victorias, phaetons and various designs in light riding carts, the firm of James Bligh & Son, Ltd., London, Eng., has achieved a name which is bringing them orders from countries far distant to their own. This enterprising firm is desirous of sharing in the trade from Canada and is now advertising in this Journal with the object of drawing the attention of the trade here to the neatness, simplicity, durability and unique build of some of their specialties in this line. Among these may be mentioned the "Thelma" which is undoubtedly the most unique cart of the new century. Of this, Miss Marie Corelli, Startford-on-Avon, writes them: The "Thelma" Pony Car arrived safely on Thursday. I find it most charming and comfortable and the pony fits its perfectly. I hope you will get many orders for one's similar to mine. I am coming to town for a few days shortly and shall consult you on another matter. Meanwhile, please accept my assurance of the satisfaction your work has given me, and the elegance, lightness, and general smart look of the pretty little "turn out." Numerous other testimonials

from all parts of the kingdom.

Write this firm for descriptive circulars. The mere knowledge of what can be purchased and at what cost under the new Canadian tariff will aid in giving an insight into what a leading English firm who make a specialty of fine carriages can offer. The firm which seeks trade through the best known channels is the best firm for intending buyers to consult, for their best endeavors will be given, and the fact of their advertising freely is in itself sufficient evidence that they are thoroughly competent to carry out what they say. Patronized by Royalty. Numerous gold medals awarded for excellence of design and high finish. Address James Bligh & Son, Ltd., 117, Long Acre, London, W.C., England.

TASMAN REFRIGERATOR CO.

The name "Tasman" on refrigerators, ice boxes, cooling cabinets, etc., throughout England, is at once a testimony to its possession of the qualities which make it a safe and most desirable investment for hotelkeepers, restaurateurs, butchers, poulterers, grocers, provision dealers and private families. There is, after all, no great mystery attached to the manufacture of a satisfactory article, such as a refrigerator, even though such articles must be either entirely satisfactory, or constantly irritating through reason of bad make or old-time design. The chief point is in building, first, according to latest scientific discovery, next with the necessary care for durability in the portions to which extra strain is given; and, lastly, in so arranging the allotted space as to serve the most

varied purposes accurately and well. Yet how many combine these necessities of a modern cooler? Very few.

Because a man becomes, probably through circumstances, the foreman, manager, or owner of a refrigerator manufactory it does not (unfortunately) always follow that he is thoroughly capable of not only holding but aiding his position. A good, careful man has to be born with the necessary gifts or he can never fully fulfil certain positions requiring a care and attention to detail which are vital necessities in such works as that in question. That Messrs. Tasman have found the trade to which they have been by nature suited has been proven over and over by the repeat orders as needed through growing trade and enlarged requirements on the part of those who originally bought from them. If further proof were needed testimonials by the thousand could be furnished attesting the perfection and modern build of the Tasman refrigerators. Here are a few:—

133, St. Albans Road, Watford, March 9th, 1896.—To Messrs. Tasman—Sirs.—I have much pleasure in testifying to the suitability of your patent Tasman Refrigerator for butchers' use. The quantity of ice used is surprisingly small, and the results obtained, namely, meat kept perfectly dry and sweet, are all one could wish. Yours very truly, J. Harris Mayes. — 92, High street, Great Berkhamstead, March 16, 1896.—The Tasman Refrigerator Company, Gentlemen,—I have great pleasure in recommending your Cold Dry-Air Refrigerator, it is deserving of all praise. I have found it everything it claims to be, the meat which was kept in it came out in excellent condition;

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 TH



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LONDON
ENGLAND
20 RUE DE MARAIS
PARIS
FRANCE

HEAD OFFICE & WORKS
VAUXHALL RD LIVERPOOL ENGLAND

it was a great boon to my trade last summer. My brother is equally pleased with his. Yours truly, G. Outlaw.—116, Whitecross street, London, May 13th, 1896.—The Tasman Refrigerator Company.—Dear Sirs,—I have much pleasure in saying that the refrigerator supplied by you is giving me every satisfaction. The meat comes out in splendid condition, and I have no hesitation in recommending it to all butchers. I shall be pleased to show it to anyone you may choose to send to look at it. Wishing you every success. I am, yours, faithfully, Walter Hall.—

3, Grove Buildings, Durdham Down, Bristol, May 14th, 1896.—Sir, — Your man has fixed the refrigerator—Tasman—to my entire satisfaction, and it is working well, using very little ice. I shall do all in my power to recommend your patent, being the best I have seen. Yours truly, F. T. Cornish. — 25, Bridge street, Chester, May 20th, 1895. — To the Tasman Refrigerator Company.—Dear Sirs,—Thanks for the pair of blankets you have forwarded. I can recommend the refrigerator with safety to my friends, it having exceeded my expectations regarding the

keeping of the meat, and also in the small consumption of ice. Yours faithfully, Robert Hayes.—37, Lord street, Gainsboro', July 18th, 1896.—Dear Sir,—Send catalogue off at once to Mr. Wright, manager of Butchers' Department, Co-operative Stores, Gainsboro'. I must say I am more pleased with mine every week; only wish it had been larger. Yours truly, B. Wilmot.—Rothwall, Kettering, July 27th, 1896.—To Messrs. Tasman & Co., Sun Court, Barbican.—Dear Sirs, — After a fair trial, I have found your No. 2 Cold-Air Chamber gives me entire satisfaction.

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

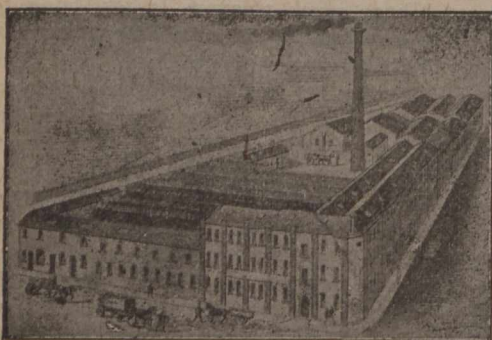
MILLS BROTHERS LTD.

Registered Office: Lowermoor Leather Works.
OLDHAM. ENGLAND.

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

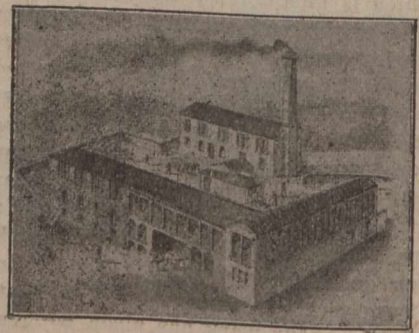
MANUFACTURERS
OF . . .

Oak Tanned and Helvetia Strapping.



Lowermoor Works : Oldham,

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



Tannery: Blackley.

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


Telegraphic Address:
"AUTOLATRY."

AUTOMOBILE COMPONENTS, LIMITED,

MANUFACTURERS OF

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

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

NOTE—These Cars are supplied 33 $\frac{1}{2}$ p.c., less to Canadians, F.O.B. London,
under the New Preferential Tariff. 

fancy cabinet manufacturer, whose address is 98, Rosoman street, Clerkenwell, London, Eng., and are specially requested to write for illustrated price list, in which are shown most unique designs in tantalus stands, liqueur cases, inkstands, etc. These stands must be seen to be fully appreciated, and must be observed in photo cut to see with what assuring taste and judg-

ment these specialties have been combined as regards harmony, correct compass and perfection of fitting; besides which has been planned and executed a skill in placing in case at once secure and of a taking nature.

If goods well made and rightly secured are already half sold, these specialties by Mr. Wisdom are almost entirely sold when once unpacked to view of callers. If appreciation of special designs causes favorable comment, then these specialties manufactured by Mr. W. G. Wisdom will be spoken of in whatever neighborhood they are shown, from the Atlantic to the Pacific. Write to Mr. W. G. Wisdom, 98 and 100 Rosoman street, Clerkenwell, London, E.C., Eng.

OIL ENGINES.



JAMES B. PETTER & SONS,
Limited,

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

Manufacturers of
the Best

Oil Engine,

On the Market, for Canadians, under the New Preferential Tariff. F.O.B. London.

— SEND FOR LIST.

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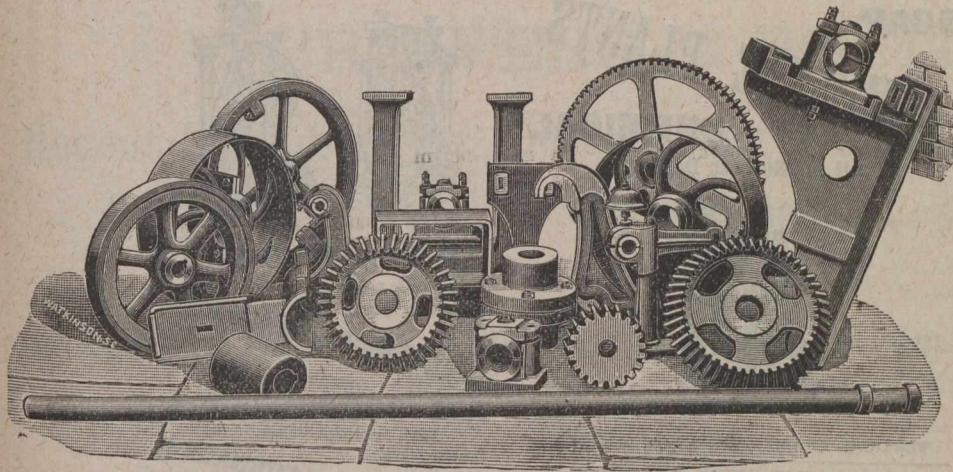
—:o:—

C. F. E. SWINDEN & CO.

As mining operations, on a scale necessitating the latest improved machinery and utensils, are being commenced in the Dominion and, with the immense deposits awaiting development, the knowledge of where best to seek these necessary appliances can best be derived from what experienced miners have reported. Messrs. C. F. E. Swinden & Co., whose London, Eng., offices are situated at 22, Queen Victoria street, and 15, Walbrook, E.C., are well known to the mining trade throughout Europe and Africa as manufacturers of the most reliable ma-

CARTER BROS.,

Engineers and Millwrights,



Bridge Street,
Rochdale, Eng.

Specialty in

Mill Gearing
of all kinds.

Special terms to Canadians, under
the New Preferential Tariff.

GUARANTEED

PURE G. & Co. **POLISH**

For Furniture, Pianos, Etc.

The Finest Quality in England, made Specially for
Tropical Climates.

All kinds of Oil and Spirit Varnishes, Polishes and Stains.

Lacquers for Brass and Tin Goods for both Hot and Cold
processes, in all Colors and Shades.

Special Bitumen Black Protective Varnish, for Iron-Wood, Ships' Bottoms, Barges &c. It is Unequaled for resisting Damp, and preserving Wood from decay, and Iron from Rusting; for Wood or Iron Fencing there is nothing better. It can be used with great success as a Stoving Enamel. We have established a great reputation by the Excellence and Uniformity of Quality of all our Manufactures.

ADDRESS:

GEDGE & Co., 90 & 92 St. John St.
LONDON, E.C., Eng.

Enquiries will be Esteemed. Prices on Application.

Special prices to Canadians under the New Tariff.

chinery in this line; the company having supplied a large proportion of the machinery which has served so well in the best known mining districts. The company do not confine their output to miners' machinery, however, for a leaf of their catalogue reads:

Engineers, Manufacturers and Galvanizers. Light portable and permanent railways. Contractors', miners', and platelayers' tools of every description. Tipping and mining wagons for all purposes. Mining plant tools and stores, and every requisite. Steel mining kibbles. Pumps for hand and steam power. Galvanized sheets, buckets and tanks, steel screening and perforated plates, chains and anchors. Bolts, nuts and rivets and general railway fastenings. Wrought and cast pipes for all purposes. Steam fittings, &c., &c., &c.

Among the company's manufactures and specialties they would draw special attention to the following: Mining plant and stores of every description. Steel screening and treble extra strong

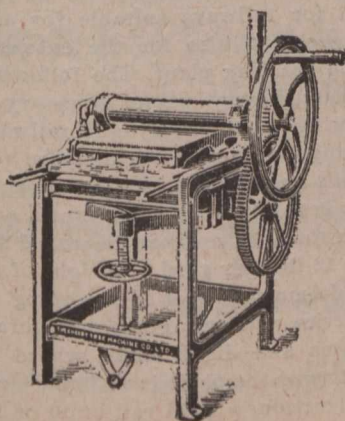
The Cherry Tree Machine Co.,

LIMITED

MAKERS OF HIGH-CLASS MODERN

Laundry • Machinery,

Our Shirt and Collar Ironing Machines are made for hand and steam power. They have cut-gear wheels, planed ironing table, all parts machine-faced. Guaranteed to turn out work equal to any machine in the trade. Price from £18. Send for Illustrated Catalogue.



CHERRY TREE, near Blackburn, Eng.

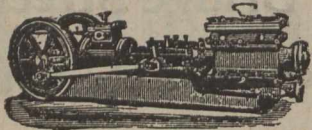
Telegrams: "NEILL, ST. HELENS."

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

Soap Machinery

. . BONE AND TALLOW DIGESTERS . .

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



SOAP, OIL, AND TAR SPECIAL PUMPS.

SOAP PANS, TANKS,
With all Fittings.

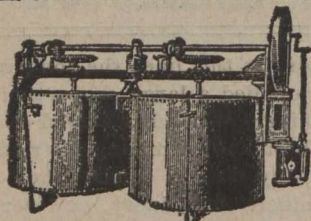
HOISTS.
SWIVELS.

STEEL SOAP FRAMES
The Best
in the Market.

CRUTCHING MACHINES
New Bar-Cutting and
Tabletting
Machines.

MILLING MACHINERY
Hand and
Steam Stamping
Machines with Dies.

GLYCERINE PLANT,
With Fire or Steam Evaporation.



VINES.

**SOAP
COMPLETE PLANTS
CHEMICAL**

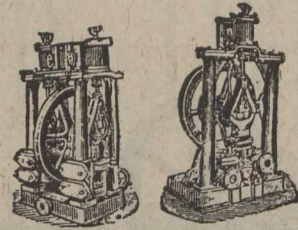
All on Newest Design.



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.

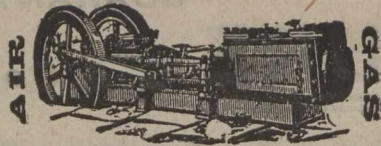
CHEMICAL PUMPS,
Pans
and Stills.

NOTED
AIR COMPRESSORS,
With Improved Valves.
Causticisers.
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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

PRIORS AND PARTICULARS ON APPLICATION.

Special Prices to Canadians under the new Tariff

steel battery cloth and perforated plates for all purposes. Portable, semi-portable and permanent railways and every description of material pertaining to the same. Galvanized corrugated sheet iron, bolts, nuts, washers, &c. Galvanized buckets and tanks, and wire netting. Wrought iron lap welded tubes for gas, water, and steam. Castings of every description. Pumps for hand and steam power. Lifting and hoisting gear, steel crane skips and mining kibbles, steel tip wagons, double side and end tip, for all purposes, engineers' and permanent way tools, &c., &c., &c. Terms: Foreign orders should be accompanied with remittance, or arrangements made with bankers, or first-class London firm, for payment to be made on production or invoice and bill or lading. Home orders are subject to 2½ per cent for cash delivered f.o.b. London, Liverpool or English port.

A Pioneer Railway on the Gold Coast. —(Reprinted from the Daily Graphic).

—“A correspondent sends a photograph of the pioneer locomotive and railway on the Gold Coast. The railroad (he writes) was constructed by the Manager of the Wassau (Gold Coast) Mining Company, and inaugur-

ated in November last. It is situated at the mines of the company, about fifty miles inland from the coast, in a direct line to Kumassi, in the district of Wassau. Considering that all machinery had to be conveyed first of all some sixty miles up river in surf-boats and thence twenty-five miles overland by native carriers one can easily imagine the difficulties which had to be overcome in getting this locomotive up to the mines. The undertaking, however, has been a complete success. The line runs for the conveyance of gold-bearing ore to the mill. In the cab of the engine, in the illustration, is the manager, and Mr. Vroom, the District Commissioner, who opened the line with great ceremony.” The whole of this plant was specially designed and manufactured under the personal superintendence of Mr. C. F. E. Swinden. Too much importance cannot be attached to the great saving effected by the use of light portable and semi-portable railways for mines and construction work generally. One of the many advantages is the ease with which these railways can be rapidly laid and got ready for use, thereby enabling large quantities of material to be handled with the minimum amount

of labor, trouble and expense. A horse can do fully ten times more work on the level with the aid of such plant, and a man can move on a level railway a wagon containing 12 cubic feet, equal to about 10 cwt., at a speed of a little under two miles an hour with comparative ease. As will be seen from the advertisement, we supply portable railways of various systems, all of which can be thoroughly recommended for simplicity durability and efficiency and so constructed that the railway can be easily and quickly removed from place to place as required. On receipt of plans and particulars of requirements, estimates will be furnished for railways suitable for all purposes, and also for the extension of any existing plant. The following are the important points necessary in ordering portable or light railways: — Gauge of road (viz., distance of the rails apart inside; section of the sleeper best adapted for the work. These are of steel and can be rolled from 8 to 12 lbs. per yard. Weight of rails—This must be settled according to the service required. For agricultural purposes and light loads, where portability of the plant is an important consideration, a steel rail of 10 or 12 lbs,

Telegrams: "GROVES," Salford, England.

Registered Offices : Salford, England.

Groves & Whitnall, Ltd.,

BREWERS & BOTTLERS,

Regent Rd. Brewery, | Globe Bottling Works, | Alexandra Brewery,
Salford, Eng. | Salford, Eng. | Manchester, Eng.

Shippers of EXPORT ALES and STOUTS in Cask or Bottle, Champagne
Ginger Ale and other Specialities.

Enquiries invited as to AGENCIES or DIRECT SUPPLY through
THE CORPORATION OF COLONIAL AGENCIES, Toronto or Montreal.

to the yard would make a good road; but for permanent railway and sugar plantations, and similar purposes, a heavier rail is sometimes desirable, say, 14 to 16 lbs.; whilst for branches, lighter rails may be used. Messrs. Swinden & Co. would also draw attention to the following spe-

cialties for which, owing to their desirability, simplicity and cheapness, they are receiving repeat orders daily: Tubular frame steel wheel barrows, of special strength, for gas works, chemical works, railway companies, contractors, etc. Two-wheeled tilting barrows, for ashes, coal, coke, etc.—Steel wrought iron wheel barrows. Navy barrows, with tubular frame. Wrought iron barrow wheels. Engineers' or fitters' bench vises. Bicycle vises, with instantaneous grip. Portable vise benches. Galvanized buckets, with grooved sides and pressed ears; contractors' buckets, etc. Galvanized hot water tanks. Patent centre draught hurricane lanterns that burn for 20 hours. Wrought iron tree guards in all sizes and patterns. Write for illustrated catalogue and special terms under new Canadian tariff to C. F. E. Swinden & Co., London, E.C., Eng.

... Machines for Boxmakers ...

Inventors, Patentees and
Manufacturers of

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

DRY PROCESS.

PRICE LISTS AND SAMPLES SUBMITTED
WITH PLEASURE.

The REMUS COMPANY, Ltd.,

30-32 & 34 Tabernacle Street and 8 Castle Street,
LONDON, Eng.

(Cuts will be inserted as soon as received.)

PATENT REPORT.

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: Stove grate, Thos. Partridge, Jr.; car-coupling, John W. Smith; bookbinders' clamp, Louis J. A. Staniewicz; apparatus for forging car-

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.

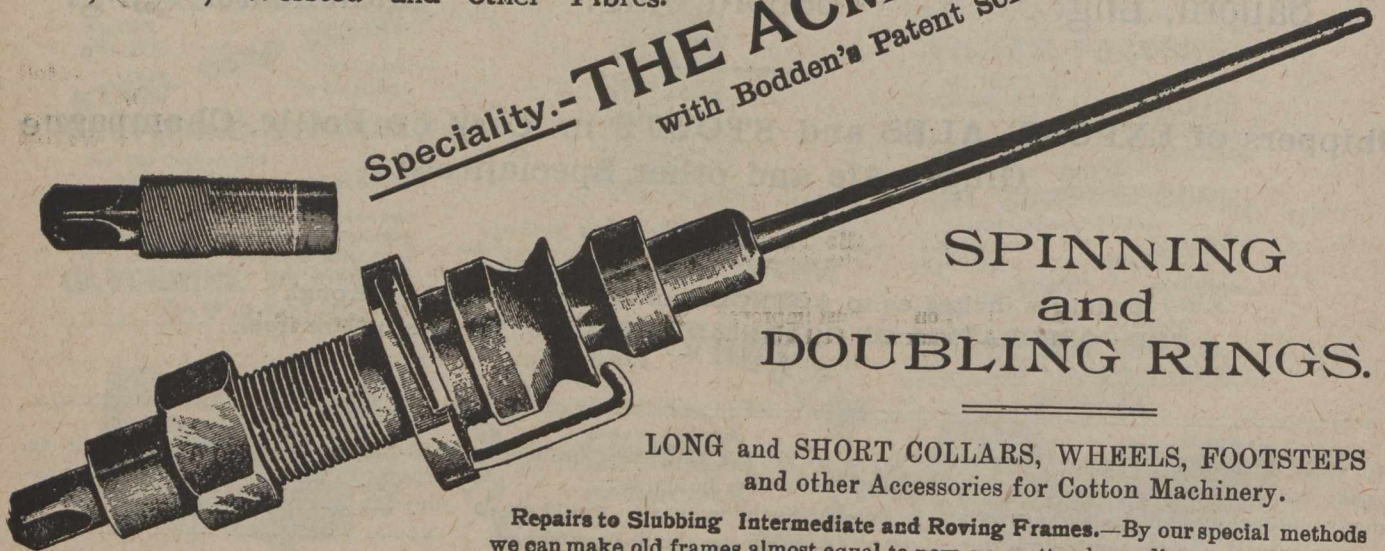
WILLIAM BODDEN & SON, Limited.

Spindle and Flyer Manufacturers.

Steel Spindles and Flyers and Ring Spindles of all kinds

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

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



SPINNING and DOUBLING RINGS.

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

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

Hargreaves Works, - - Oldham, England.

SPECIAL PRICES TO CANADIANS UNDER THE NEW TARIFF.

wheels, Alexander N. Cameron; printing-frame, James M. Smith; portable tripod, Charles Whetham. Canada: Car couplers, Thos. F. Melanson; cultivator coulters, F. A. Snider; castor wheel for plows, Geo. Wedlake; plows, Jos. Morphy; bathing machines, Hy. Thompson; car seals, Hy. Thompson; clips or supports for trolley wires, W. H. Russell; freezing apparatus, C. W. Vollmann; draining wells, Jules Colas; galoshes, P. H. Loundes; toasters, Maud C. Howie; milk areators, J. Lemire; shoe polishing holders, Geo. A. Fraser.

SALE OF INVENTIONS.

On March 18th, 1902, for a consideration of \$3,000, B. Beakow assigned to E. Lundgren, New York city, N.Y., the entire right, title, and interest in and to his patent, serial No. 91,711, for improvements in apparatus for teaching gun practice.—John C. Bowers and Ed. Dore assigned to The X-Ray Mfg. Co., of Illinois, under date of March 31, 1902, for a consideration of \$4,000, their entire right, title and interest in and to their patent No. 682,023, for improvements in egg testers.—On April 14, 1902, an assignment was recorded in which C. H. Gunn grants to H. O. Benedict, of Salt Lake City, Utah, the exclusive right to make, use and vend

his invention of wagon brake, No. 696,170, in the States of Wyoming, Idaho, and Nevada, in consideration of \$8,500.—In consideration of \$14,500, the Garner Manufacturing Co., assigned to Jas. E. Garner, of New York, N.Y., all the right, title and interest in patent No. 634,823, embodying improvements in bicycle frames; assignment recorded April 5, 1902.—Communication of Messrs. Marion & Marion, patent attorneys, Montreal, Canada, and Washington, D.C.

MAKING OF THE WEST.

In summing up the impressions derived from a tour of observation, during which all the centres into which immigrants are coming in large numbers were visited, writes a Manitoba correspondent of the Globe, it is difficult to so moderate the language used that the incredulity of the reader in eastern Canada will not be aroused. There has been so much boom talk in the west in former years without a substantial basis of fact that the scepticism of the east is perhaps not blameworthy. After one sees the new farm houses that in hundreds dot what were but two years ago uninhabited

wastes, examines the records in the Government land offices, and watches the tide of European immigration that flows through Winnipeg, and the still greater volume on the Soo line from the United States, there is no longer room for scepticism and even the most doubting must be satisfied that western Canada has at last aroused the world's attention.

What will be the result? It is always the mountaintop in the distance that first attracts the eye in a wide-spreading landscape. He would be a dull man, indeed, who, seeing what a century of immigration has done for the United States, did not dream of the Canada of the future, and its place among the nations, when these vast untenanted spaces of the west become thickly peopled. A century in the history of nations is but as a year in the life of a man. There will be between three and four hundred million people in North America at the close of the twentieth century, and Canada, small as her population is now, and humble as her place is in the sisterhood of nations, will then be one of the world's great powers, mistress, by virtue of occupation, as well as geographically, of half the continent and fifty millions of people.

The pessimists are not all dead yet,

Telegraphic Address: "ELKANAH, HALIFAX."

National Telephone, No. 133.

Makers of all kinds of DYEING and Finishing Machinery.

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AND IRONFOUNDERS,****F. HORATIO CLIFFE,**
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and some of them may remind me that it is almost twenty years since the opening up of the west by the C.P.R., and that in all the territory between Lake Superior and the Pacific there were less than six hundred thousand people when the census was taken a year ago. They may go further, and demonstrate by mathematics, as it is quite possible to do, that with half a section of land per family the Canadian west would be comfortably filled by ten million people. They may also point out that in the west there are vast stretches of land that by reason of insufficient rainfall are not adapted to cultivation, and must be excluded from the available area. That is precisely where the settlement of the west by mathematics breaks, down and where the man of imagination comes

to his own. Takes these semi-arid regions for example. The mathematician of a pessimistic turn says we must count them out, so he draws a ring around them and marks the enclosure "no use." The other, who sees the not far distant day when the pressure of population will make all of America's soil valuable, wonders if it would not be worth while turning the waters of the swift-flowing Rocky Mountain streams upon these parched lands. In far less time than a half century there will be scarcely an acre of good land in the southern regions of Alberta and Assn'ba beyond the reach of an irrigation ditch, and by reason of that very fact these tracts so generally regarded as useless will be the most thickly populated in the west.

The great irrigation project upon which the C.P.R. chiefs are now engaged may be cited in support of this statement. By means of 16 miles of canal, the storage of billions of gallons of water in reservoirs formed out of natural depressions, and the diversion of the waters of the Bow River, near Calgary, a great stretch of territory, extending from Calgary easterly almost 200 miles, to Medicine Hat, can be irrigated. There are over 2,000,000 acres in the irrigable belt, and of these half a million now as little used as an Arabian desert, can be devoted to wheat growing, with the absolute assurance of a crop every year. Similar lands in Montana yield 25.3 bushels of wheat annually as an average, while Manitoba's average is but 17, Minnesota's 14, and North Dako-

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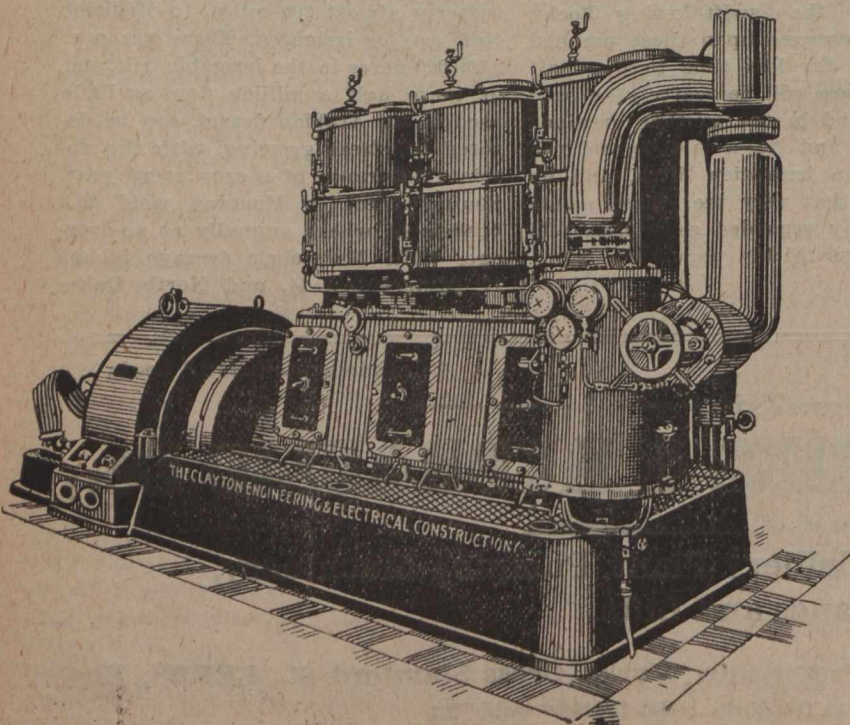
New York Office and Warehouse.

ta's 10.07 bushels without irrigation. Out of that southern Alberta "arid" land there can be taken, if we include the Lethbridge and other ditches, 25,000,000 bushels of wheat and half a million cattle every year. The C.P.R. reports indicate that 250,000 cattle could be easily pastured under irrigation where only 50,000 are now kept. The market for the cereals of the eastern slope of the Rockies will be found on the Pacific. China is awakening, and she and Japan will be great flour consumers ere many years pass. The supply of food for the masses of China has long been a serious problem, and the Government of China strictly enforces the prohibition of the export

of rice. The productive limit of central and southern China has been reached, the system of culture being adapted to the growth of the largest possible yield that unceasing labor can secure. The seaboard provinces of China will some day awake to industrial and manufacturing activity, as Japan has done, and Canadian wheat and flour will find a market there, in competition with the cereals of Washington, Oregon and California. To compete effectively, that wheat must be grown near the Pacific, and on the irrigated slopes of Alberta and Assiniboia it will be produced. So confident are the Canadian Pacific people of the future of the waste lands under

irrigation that they are willing to take all the area that can be reached by the Bow River waters as part of their land grant. They own the alternate sections already, and if the Government withdraws the others from settlement they will take them as part of their grant, and begin work on the canal.

This project has been presented at some length, as showing how even land now held to be useless will be utilized in the coming years, and how men of affairs are looking to the Pacific and the future of Canadian trade in the countries bordering upon it. So far as the present rush of settlement is concerned, however, the Pacific coast outlet is not a pressing matter.

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There will be from this time forward three elements in the rapid settlement of the Canadian west heretofore absent:

(1)—American capitalists seeking an outlet for surplus funds formerly used in land operations at home have invested very largely in Canadian lands, and will advertise them all over the Union.

(2)—The American pioneers and frontiersmen, who have led the movement of settlement in their own country, from Iowa to Minnesota, and from Minnesota to the Dakotas, have reached the limit of the good land in their own territory, and are coming into Canada in thousands. The reports they are sending back will for many years to come result in increasing immigration from the United States, for the land they are settling upon is admittedly better than that of any of the States west of Iowa.

(3)—The rush of European immigration into the United States, which was begun when there were vast tracts of free land there, still continues, and cannot be stopped speedily. Many years must elapse before it becomes generally known to European agriculturists emigrating to America that there is no longer room in the Western States. A large part of these belated land-seekers will cross the border into Canada and find homes with us.

Of the economic effect of this movement and its result upon the national life I have written at some length in former letters. The volume of immi-

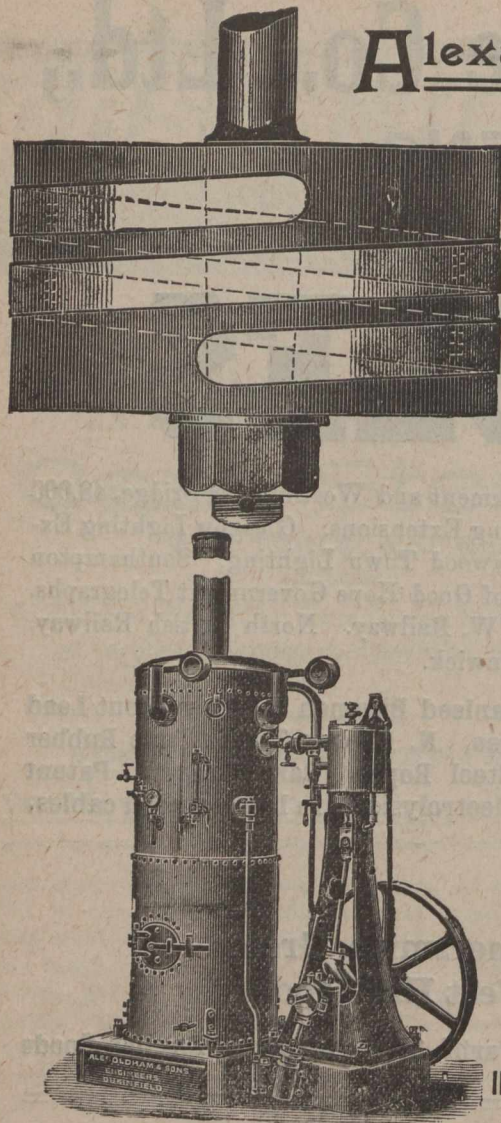
gration will steadily increase for a long time. Mr. Obed Smith, Commissioner of Immigration, estimates that the number of immigrants during the present calendar year will be from 70,000 to 75,000. This number will unquestionably increase from year to year until it may reach a maximum of 250,000. It is as certain as to-morrow's sunrise that there will be in the west from a million and a quarter to a million and a half people when the census is taken in 1911, where there were but 600,000 a year ago. They will afford an ever-increasing market for the products of eastern Canadian factories, which by a persistent fight at the outset and the adaptation of their goods to prairie needs can secure the market almost exclusively, except in a few special lines of agricultural implements that American inventiveness have evolved especially for tilling the soil on the plains. The manufacture even of these, however, is likely to drift across the border to our own side. The chief American implement makers, finding a steady and constantly enlarging demand, will inevitably establish branch factories in eastern Canada, and at points such as Sault Ste. Marie, Fort William and Port Arthur, in New Ontario, where special facilities for manufacturing are to be had.

The effect upon population growth in eastern Canada of the peopling of the plains is somewhat difficult to estimate in figures. Looking broadly, however, at similar conditions in the

United States, we may safely say that for every million settled on the plains there will be need for a quarter of a million in the manufacturing centres of the east. Toronto and Montreal will become, even more than they are at present centres for the financing of great projects for opening up the west, and there will be legitimate employment in loan company business for a very large amount of eastern capital.

A closing word as to the outlook in the national sphere and in the matter of intellectual and moral development. One hears frequently in the east that there is danger of the west becoming Americanized by the very great influx of settlers from the United States. The men who today are engaged in the making of the west have no such fear, so long as the people of the older regions, and especially of Ontario, do their duty in bringing Canadian ideals within reach of the newcomers, and in providing them with educational facilities and the ordinances of religion. The Government of Ottawa should spare neither money nor men to reinforce the efforts of Premier Haultain to provide that every child coming into these lands shall learn the history of Canada and speak the English tongue.

The suggestion made from time to time to reduce the Mounted Police and leave the maintenance of order in the unorganized portions of the Territories to the local authorities, should be disregarded. The mounted policeman is the settler's best friend as well as



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the visible symbol of Canadian authority. He is doing a work that could not be done by any locally constituted force, no matter how well organized. With these three factors, the church, the school and the policeman, working unitedly for the development of Canadian national sentiment there need be no fear of foreign ideals, political, educational or religious, taking root in the west. In the material condition of the people there will be nothing to breed discontent. The soil is more fertile, taxation less heavy, the duties of citizenship lighter than in the lands from which they have come. In all the west no man need suffer hunger or go shelterless who is willing to work. Unconsciously the settlers from other countries will cast away the habits bred of former conditions and become no less enthusiastic Canadians than their brethren in the east.

Heretofore there has been but one great cause of dissatisfaction, the undue cost of transportation and the distance of many parts of the settled country from the railways. The rapid filling up of the Territories, as we have seen, has resulted in the development of great railway building plans that are now being carried out, and the settlers will soon be so numerous as to command the attention of Parliament and force the passage of laws establishing a railway commission and other machinery for the equalization of rates.

The direction of the intellectual and moral development of the west is perhaps more difficult to forecast than its material future. For the moment men are too much concerned in laying the foundations of empire to think much of literature, the arts and the sciences. There is, however, among the population of the plains a remarkably large percentage of people to whom the term cultured can properly be applied. In the early days of ranching, many English university men of good family and of scholarly attainments were among the settlers, and their influence has unquestionably been great in the social and intellectual life of the Territories. That the Canadian west will develop its own type in prose-writing and verse, and choose its own outlook on life, is to be expected, and symptoms are not wanting of the beginning of this process of differentiation from eastern standards. In morals our west will undoubtedly compare most favorably with eastern Canada. There is something that makes for sober living and deep thinking on those illimitable plains where the star-jeweled sky forms an unbroken canopy in the still night. The man of a reflective disposition is forced back upon himself and develops a contemplative type of mind that is very rarely met with among the bustle and hurry of eastern cities or even of Ontario town life. The thinking man is seldom an immoral man, and one can well be-

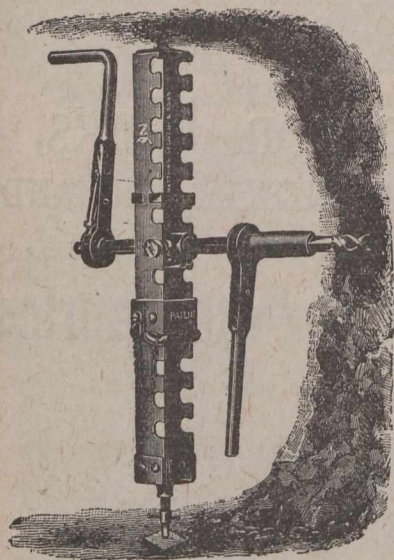
lieve that on these plains there will be evolved a type of Canadians who "fear God and none else besides," who will be tender to the weak, unbending to the strong, who will do justly, love mercy, and make of the great north a home for millions of the unfortunate, the distressed and the submerged of other lands.

QUEER ACCIDENTS.

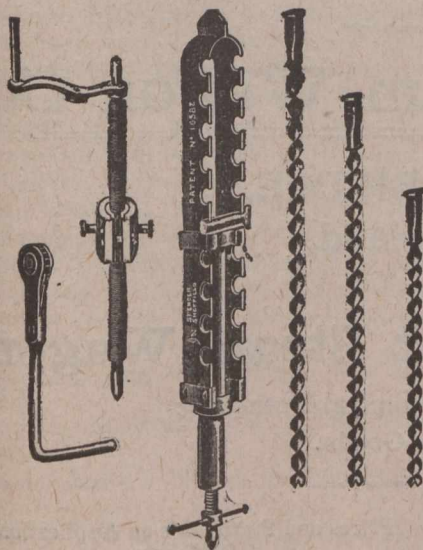
What the more recent experience of insurance offices is, now that women cyclists are as numerous as men, the writer has no means of ascertaining. Some years ago, however, lady insurers—they were not cyclists then—were not encouraged to take out accident policies. The manager of one of the largest offices said at the time, "Women are not very profitable customers. They are less exposed to danger than men; but they make claims for very small injuries; and it is a matter of extreme difficulty to test the genuineness of a woman's claim."

An extraordinary accident, and one that has a pathos all its own, happened to a gentleman in Cardiff some years ago. He took into bed with him his little three year old son, who was suffering from earache. The child, in his restlessness, kicked his father in the groin. Death from phlegmonous erysipelas followed; this, as the medical evidence proved was the direct re-

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sult of the kick. The deceased gentleman had, fortunately, taken out an accident policy a few months before, and the claim for £1,000 was at once paid by the insurance company.

Fire, rather than water, would, one would think, be more dangerous to life at what the reporter dearly loves to call "a conflagration." This is not always the case, for a fireman in New Jersey while holding the nozzle of a hosepipe, directing a stream of water on a burning building, lost control of the pipe, and the rushing water, which struck him on the cheek, completely crushed in one side of his face.

Somnambulism in bed, football, dynamite, and the incautious handling of firearms—not to mention the now happily discarded crinoline—have all been active agents on the accident list; but (so easily does frequent occurrence accustom us to tragedy!) they are too well known to require special comment.

However, the familiarity which breeds contempt is sometimes rudely encroached upon by the occurrence of some hitherto unheard-of accident, which acts as a spontaneous detonator to speculation. Some years ago, for example, while a gentleman was walking from St. James's Park to Pall Mall on a bright afternoon in summer, he suddenly received a blow on the shoulder which caused him to stumble, and at the same time he heard a loud, crackling noise. On recovering he looked round for his assailant; but there was nobody visible except a policeman, who was many yards away. When the gentleman reached home his shoulder was examined, but no injury could be found to account for the pain in it. Soon afterwards the servant, who had taken away his master's outdoor coat to brush it, brought back the garment and pointed out that the nap on the shoulder was pressed flat as if hot wire had been drawn across it. Everything in fact pointed to the probability that the wearer had been struck by a meteor. The incident might well be used as a blackboard lesson for children—aye, and for some grown-up children, too—who imagine that "shooting-stars" only shoot in the dark.

Flies are generally supposed to be more dirty than deadly, but sometimes their bite is not quite so innocuous as people imagine. A girl in Canterbury found that the sting of a fly had caused a pimple to form on her face. Inflammation spread to the neck, and, in spite of every medical attention, the poor girl succumbed to blood poisoning. On another occasion a leading insurance company had to pay a thousand pounds for the sting of a fly. The insured, a staid, middle-aged man, had, it appears, become interested in the vagaries of a bluebottle fly on the window pane. Then the boyish instincts returned, and he tried to catch the fly. The insect, which had just concluded a sumptuous repast of tainted meat, retaliated with a vicious little sting, and a death claim was the result. It was the same company, I think, that was obliged to pay a thousand pounds

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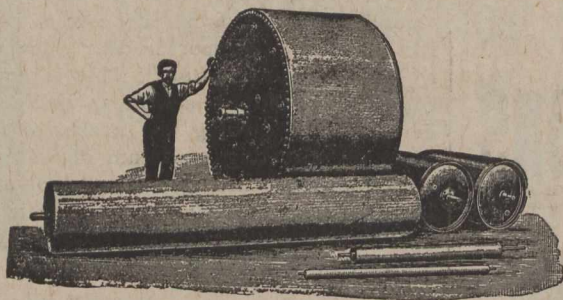
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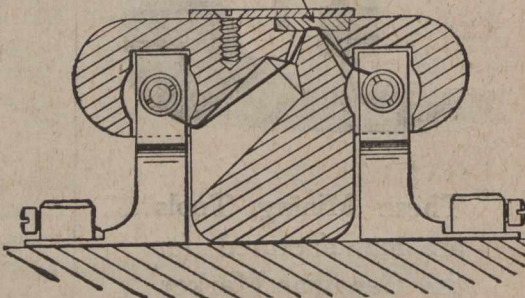
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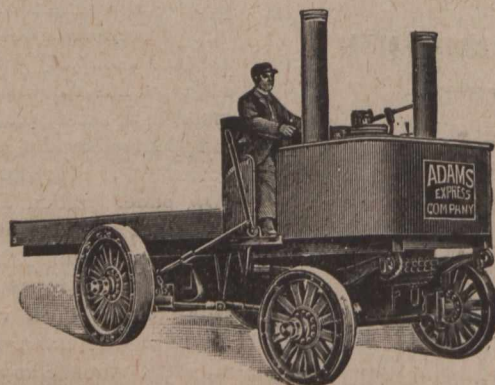
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to the heirs of a farmer at Reigate who ran a thorn under his nail while examining a sample of oats; and that company's books also show a payment for damages resulting from the bite of a spider.

A dog's bite is—or was before Mr. Long's regime—more to be dreaded than that of a spider; but it is not often that the faithful animal's sprinting powers bring about a fatal mishap. However, on one occasion, in the neighborhood of Knightsbridge, a collie dog ran full tilt between a gentleman's legs, causing him to fall heavily on the pavement. The injured man was taken to St. George's Hospital and there succumbed to a fractured skull.

One of the most mysterious accidents—if, indeed, it was an accident at all—occurred in Indianapolis about ten or twelve years ago. A man named Bateman went to a livery stable and hired a horse and conveyance. In the small hours of the following morning the horse returned to the stable minus the driver. Forty minutes after the arrival of the horse, a railway train ran over and decapitated a man who lay on the rails at a spot a couple of miles distant. On the person of the deceased were found an insurance policy for

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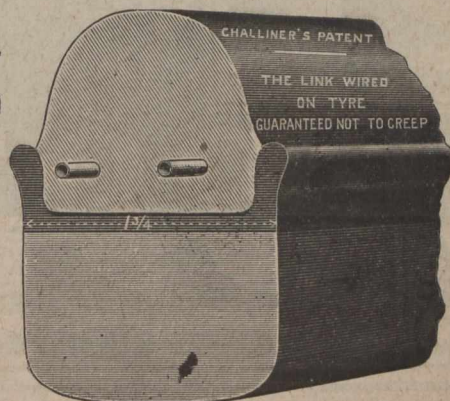
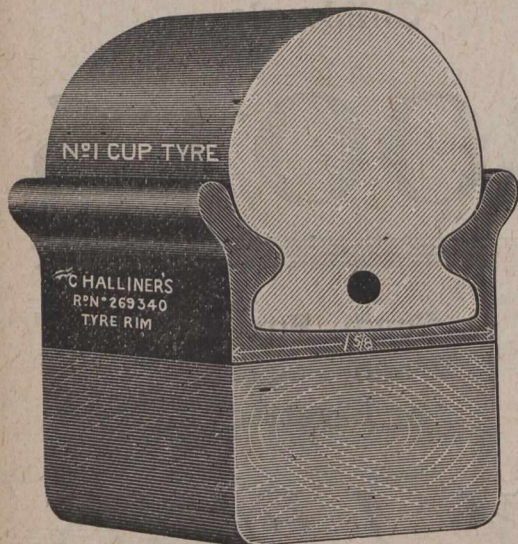
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£1,000 together with a note instructing the finder, in case of an accident, to send a notification to a certain person, and also a letter signed by the missing man, Bateman. Mr. Bateman's brother-in-law, who, curiously enough, was the engine driver of the train that went over the man, was called upon to view the remains, and he at once said they were not those of Bateman. Mrs. Bateman, the wife or widow, while identifying the insurance policy and letter as her husband's, denied absolutely that the body as his; and the ostler at the livery stable swore that the dead man was not the man who

hired the horse and conveyance. There the inquiry ended and so far as we know the mystery has never been solved.

The "Port Erin Mystery," as it was called, is not yet forgotten, but is, perhaps, of too debatable a character to warrant reference here. An almost equally remarkable case occurred not long before. The present writer had obtained an insurance proposal from a gentleman for a small amount—either £100 or £200. Shortly after the insurance was completed the gentleman and his wife went to a popular seaside resort for a holiday. One day, while his

wife and he were standing at the door of the boarding house before going for a drive, the lady, discovering that she had forgotten her gloves, went upstairs to get them. She was absent only a few minutes, but when she returned her husband was not to be seen, nor has he been seen since. Some weeks after a headless and legless trunk was picked up in the bay; but as there were no means of identification, "Found drowned—person unknown," was the only verdict possible.

One of the strangest claims ever made was that which came to light in an American law court in 1896. A

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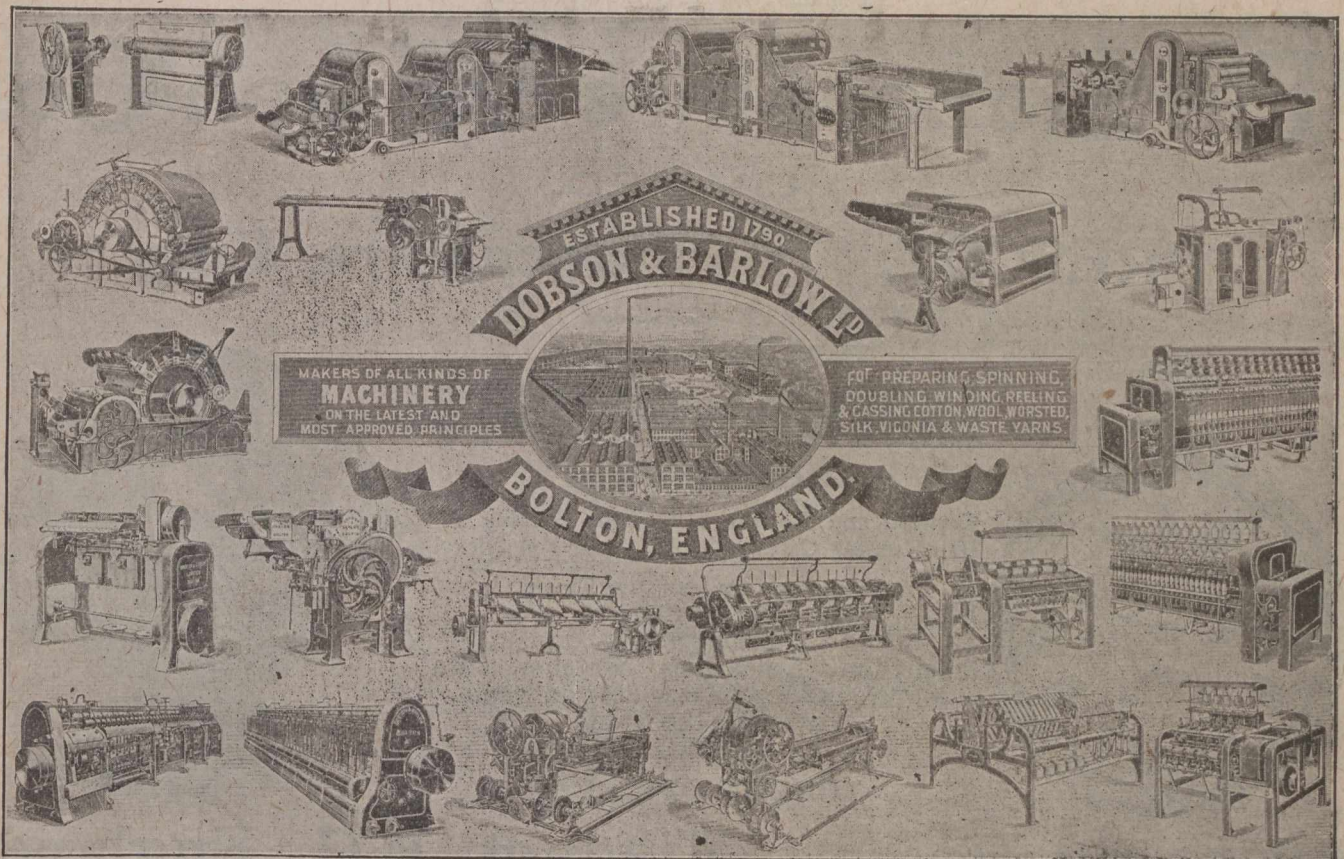
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Citric Acid.....	0 35	0 40	
Citrate Magnesia lb.....	0 25	0 45	
Cocaine Hyd. (oz.).....	5 25	5 75	
Copperas, per 100 lbs.....	0 75	0 80	
Cream Tartar.....	0 20	0 25	
Epsom Salts.....	1 25	1 75	
Glycerine.....	0 17	0 20	
Gum Arabic per lb.....	0 20	0 40	
" Trag.....	0 50	1 00	
Insect Powder lb.....	0 25	0 40	
do per keg, lb.....	0 22	0 30	
Menthol, lb.....	5 50	6 00	
Morphia.....	1 55	1 65	
Oil Peppermint lb.....	2 75	3 50	
Oil Lemon.....	1 15	1 25	
Opium.....	3 75	4 00	
Oxalic Acid.....	0 08	0 09	
Phosphorus.....	0 50	0 75	
Potash Bichromate.....	0 08	0 10	
Potash Iodide.....	3 00	3 40	
Quinine.....	0 30	0 40	
Strychnine.....	0 65	0 80	
Tartaric Acid.....	0 28	0 33	
Licorice.—			
Stick, 4, 6, 8, 12, & 16 to lb., 5 lb. boxes.....	2 00	0 00	
Acme Licorice Pellets, cans.....	2 00	0 00	
Licorice Lozenges, 1 5 lb. cans.....	1 50	0 00	
Heavy Chemicals.			
Bleaching Powder.....	1 75	2 50	
Blue Vitriol.....	4 75	5 75	
Brimstone.....	2 00	2 50	
Caustic Soda.....	2 00	3 00	
" ".....	0 00	0 00	
Soda Ash.....	1 25	1 50	
Soda Bicarb.....	1 75	2 25	
Sal. Soda.....	0 75	0 85	
" Concentrated.....	1 50	2 00	
Dyestuffs.			
Archil, con.....	0 27	0 29	
Cutch.....	0 05	0 09	
Ex. Logwood.....	0 09	0 12	

man took out an accident policy, payable to his wife, for two thousand pounds. Having borrowed money from his partner in business, the policyholder transferred the policy to the said partner, as a sort of collateral security. The partner thereupon employed a negro, who, for a fee of three hundred dollars, murdered the person insured. The negro was sentenced to imprisonment for life, the instigator of the crime committed suicide in jail, and widow of the murdered man sued the company for the amount of the policy!

As a set-off against the horrible grimness of the above case, this article may be concluded by the quotation of a couple of accident claims, which were humorously narrated by Mr. R.K. Munkittrick in the columns of a New York paper: "A certain company recently paid sixty dollars to a merchant who had sprained his knee in kicking a dog. The same company paid seventy-five dollars to a man who had missed a dog he attempted to kick and in so doing injured his great toe upon the sofa. It will thus be seen by the lynx-eyed student of affairs that it is more profitable to miss the dog and kick the sofa than to miss the sofa and kick the dog. It cannot be expected that a man can reach two objects at the same time with one kick; and yet, if we realize fifteen dollars more by missing the dog and kicking the lounge than by kicking the dog direct, it opens up a

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, JULY 10, 1902.

Name of Article.	Wholesale.		
	\$	c.	¢
Chip Logwood.....			
Indigo (Bengal).....	1 75	2 50	
Indigo Madras.....	1 50	1 75	
Gambier.....	0 70	1 00	
Madder.....	0 06	0 07	
Sumac.....	0 09	0 12	
Tin Crystals.....	60 00	65 00	
	0 22	0 28	
Fish.			
Bloaters, per box.....	1 00	1 25	
Labrador Herrings, N.F.....	0 00	0 00	
Herrings, Nova Scotia.....	0 00	4 50	
Mackerel No. 2, brls.....	0 00	12 50	
" " 1/2 barrel.....	6 00	6 50	
Green Cod, No. 1.....	5 50	6 00	
Green " large.....	0 00	7 00	
No. 2.....	4 50	0 00	
Large dry Gaspe per qntl.....	5 00	5 25	
Salmon, brls Lab.....	11 50	14 00	
Salmon, (half brls).....	0 00	8 50	
" Brit. 501 brls.....	11 50	00 00	
Boneless Fish.....	30 04	0 00	
" Cod.....	30 05	0 00	
Skinless Cod, case.....	5 00	5 50	
N. S. Salt Herrings, in half-barrels.....	0 00	3 00	
Loch Fyne Herrings, keg.....	1 10	1 15	
Flour.			
Ogilvie's Hungarian.....	0 00	4 30	
Ogilvie's Glenora Patent.....	0 00	4 00	
Manitoba patents.....	4 20	4 30	
Strong Bakers.....	3 30	4 00	
Winter Wheat patents.....	4 00	4 10	
Straight roller.....	3 85	3 80	
do bags.....	1 75	1 85	
Superfine.....	0 00	0 00	
Roll'd Oats.....	5 20	5 30	
Corn meal, bag.....	1 50	1 55	
Bran bulk.....	16 00	17 00	
Shorts.....	21 00	22 00	
Moullie.....	25 00	28 00	
Farm Products.			
BUTTER; Choicest Western Cr.....	0 19	0 20	
Eastern do.....	0 00	0 00	
Under Grades Cr.....	0 18	0 19	
Townships Dairy.....	0 00	0 00	
Western Dairy.....	0 16	0 17	
Good to choice.....	0 14	0 16	
Fresh Rolls.....	0 00	0 00	



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

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, JULY 10, 1902.

Name of Article.	Wholesale	
	\$ c	\$ c.
Farm Products.—Con.		
CHEESE:		
Ont. New.....	0 09½	0 09½
Eastern.....	0 9¼	0 9½
Eggs: New laid (shipped).....	0 14½	0 15
Held fresh.....	0 00	0 00
Straight fall.....	0 00	0 00
Lined.....	0 00	0 00
Maritime Prov.....	0 13	0 13½
SUNDRIES:—		
Potatoes, per bag of 90 lbs.....	1 00	1 35
Honey, White Clov., Comb.....	0 13	0 14
“ Extracted.....	0 07	0 08
Beeswax.....	0 25	0 30
SWANS: prime.....	1 10	1 25
do. Best hand-picked.....	0 00	0 00
Groceries.		
Sugars: Factory.		
Kx Granulated, brls.....	0 00	3 65
Acadia gran'd.....	0 06	3 60
Kx Ground, in brls.....	0 00	4 40
“ “ in bxs.....	0 00	4 60
Powdered, in brls.....	0 00	4 15
“ “ boxes.....	0 00	4 30
Paris Lump, in brls.....	0 00	4 40
“ “ half brls.....	0 00	4 40
“ “ 100-lb bxs.....	0 00	4 40
“ “ 50-lb bxs.....	0 00	4 50
Manila Yellow.....	3 00	3 40
Molasses (Barbados).....	0 23	0 27
do brls. & ¼s.....	0 20	0 20½
Evaporated Apples.....	0 09½	0 11
Raisins:		
Sultanas.....	0 09	0 12
Loose Musc. Malaga.....	0 08½	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
“ Selected.....	0 06	0 06½
“ Layers.....	0 05	0 05½
Currents, Provincials.....	0 03	0 06
Fillatras.....	0 00	0 00
Patras.....	0 00	0 07
Vostizias.....	0 07	0 09½
Frunces, Cal.....	0 04	0 05
do French.....	0 03½	0 00
Figs in bags.....	0 08	0 13
“ new layers.....	0 00	3 00
Rice, C. C.....	0 00	3 10
“ standard B.....	4 25	4 75
“ Patna.....	4 00	4 10
“ Burmah.....	4 50	0 00
“ Crystal Japan.....	0 00	5 37½
“ Carolina.....	0 00	2 00
Pot Barley, bag 48 lbs.....	0 03	0 05
Pearl “ per lb.....	0 031	0 04
Tapioca, Pearl.....	0 03½	0 04
“ Flake.....	0 80	0 85
Corn, 2 lb. tins.....	0 82½	0 90
Peas, 2-lb tins.....	3 60	5 00
Salmon, 4 doz. case.....	0 57½	0 95
Tomatoes, 1s. per doz.....	0 80	0 85
String Beans.....		

new vista of usefulness for the sofa which must endear it to all people who are frugal, as well as those who are tainted with the unseemly lust of gold so prevalent at the present writing. Besides, it must be much more satisfactory to a sensitive dog to feel that he has been missed by his owner's foot when he realizes that the miss has yielded the said owner, his heirs, administrators, and assigns for ever, fifteen dollars of the shekels of the realm.”

BLEACHING AND UTILISING PALM OIL.

The high prices prevailing in the fat markets have affected palm oil to a less extent than some less valuable soap fats, so that just now palm oil constitutes one of the relatively cheapest fats and is often preferred—after bleaching—for the manufacture of light colored soaps. Palm oil is worthy of much attention, since it yields a faultless soap, of an agreeable odor; in point of yield it is equalled by but few fats. The palm from which this oil is obtained is indigenous to Africa chiefly, but now largely cultivated in Central and South America as well; it abounds especially on the west coast of Africa throughout its extent; the best known varieties of oil are Lagos, Old and New Calabar, Bonny, Cameroon, Popotogo, Upper Guinea, Bonnin, Kongo, Zanzibar, Pomba, etc., the best and best known being named first.

The melting point of the oil is between 27 and 42 deg. C., the specific gravity is 0.945 and the saponification number 202 to 205; hence it ranks among the best fats. It is contained in the fleshy part of the fruit and oozes

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, JULY 10, 1902.

Name of Article	Wholesale	
	\$ c	\$ c.
Hardware.		
Antimony.....	0 09½	0 10
7/4. Block, L & F, 7 lb.....	0 00	0 34
“ Straits.....	0 00	0 00
“ Strip.....	0 00	0 33
Copper: Ingot.....	0 00	0 00
CUT NAIL SCHEDULE.		
Base Price, per Keg, carlots.....	2 87½	0 00
Less quantity.....	2 45	0 00
Extras—Over and above 30d, 40d, 50d, 60d and 70d Nails.....		
Cut and Fence Nails—		
16 and 20d Hot Cut, per 100 lbs.....	0 05	0 00
10 and 12d.....	0 10	0 00
8 and 9d.....	0 15	0 00
6 and 7d.....	0 30	0 00
4 and 5d.....	0 40	0 00
3d.....	0 65	0 00
2d.....	1 00	0 00
Cut spikes 10c, per Keg advance.....		
Fine blued nails—		
9d per 100 lbs.....	1 00	0 00
8d.....	1 50	0 00
Casing, Box, Tobacco Box and Flooring Nails—		
30 to 30d per 100 lbs.....	0 55	0 00
10 to 16d.....	0 60	0 00
8 and 9d.....	0 65	0 00
6 and 7d.....	0 70	0 00
4 to 5d.....	0 95	0 00
3d.....	1 20	0 00
Finishing nails—		
3 inch and longer per 100 lbs.....	0 60	0 00
2½ and 2¼ inch.....	0 65	0 00
2 and 2½ inch.....	0 70	0 00
1½ and 1¾ inch.....	0 95	0 00
1¼.....	1 20	0 00
1.....	1 50	0 00
Slatting nails—		
1¼ and 1½ inch per 100 lbs.....	0 95	0 00
1¾.....	1 20	0 00
1.....	1 50	0 00
Common barrel nails—		
1½ inch per 100 lbs.....	1 00	0 00
1.....	1 00	0 00
¾.....	1 25	0 00
¾.....	1 50	0 00
6 inch nails—		
3 inch and longer per 100 lbs.....	0 60	0 00
2½ and 2¼ inch.....	0 65	0 00
2 and 2½ inch.....	0 70	0 00
1½ and 1¾ inch.....	0 95	0 00
1¼.....	1 20	0 00
1.....	1 50	0 00
Sharp and flat pressed nails		
1 inch and longer per 100 lbs.....	1 35	0 00
¾.....	1 50	0 00
¾ and ¾ inch.....	1 65	0 00
¾ and ¾ inch.....	1 85	0 00
1¼.....	2 50	0 00
1.....	3 00	0 00
Coil Chain—No. 6.....	0 114	0 00
“ 5.....	0 10	0 00
“ 4.....	0 094	0 00
“ 3.....	0 09	0 00
¾ inch.....	0 071	0 00
5-16.....	4 35	0 00
7-16.....	4 25	0 00
9-16.....	4 00	0 00

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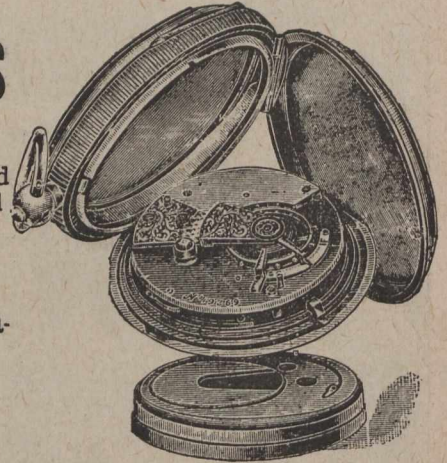
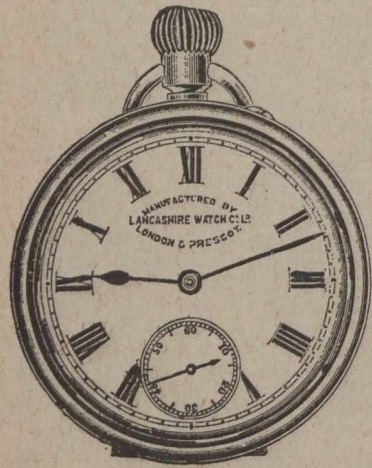
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MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, JULY 10, 1902.

Name of Article.	Wholesale.
Hardware.—Con.	
<i>Oil Chain</i> —No. ¼	\$ 85 0 00
9-16	3 75 0 00
¾	3 65 0 00
¾	3 76 0 00
¾	3 60 0 00
1 in.	3 60 0 00
<i>Galvanized Staples</i> —	
100 lb. box, 1¼ to 1½	3 25 0 00
Bright, 1¼ to 1½	2 90 0 00
<i>Galvanized Iron:</i>	
Queen's Head, } or equal, } gauge 28	4 40 4 65
Comet do 28 gauge	4 10 4 35
<i>Iron Horse Shoes:</i>	
No. 2 and larger	0 00 3 85
No. 1 and smaller	0 00 3 60
<i>Bar Iron, per 100 lbs.</i>	1 90 1 95
Car lots	0 00 0 00
Norway, base	0 00 4 25
Am. Sh. St'l, 6 ft. x 2½ ft., 18	0 00 2 70
" " " 20	0 00 2 95
" " " 22	0 00 3 10
" " " 24	0 00 3 10
" " " 26	0 00 3 20
" " " 28	0 00 3 45
" " " 30	0 00 2 10
" " " 32	0 00 2 10
Boiler plates, iron, ¼ in.	0 00 2 10
" " " 3-16 in.	0 00 2 10
Hoop iron, base for 2 in. and larger	0 00 2 90
Band Canadian, 1 to 6 in. 30c; over base of ordinary iron, smaller size Extras	
<i>Canada Plates:</i>	
Full Polish	4 00
Ord. 52 sheets	2 65
" 60 do	2 70
" 75 do	2 75
<i>Black Iron pipe, ½ in. } in. }</i>	2 72
¾ in.	2 92
¾ in.	3 42
1 in.	4 85
1¼ in.	6 85
1½ in.	8 20
2 in.	11 00
per 100 ft. nett.	
Steel, cast p.lb., Blk Diam'd	0 08 base
" Spring, 100 lbs.	2 75 0 00
" Tire, "	2 30 base
" Sleigh shoe, 100 lbs.	2 20 base
" Toe Calk	2 66
" Machinery	2 76 base
" Harrow Tooth	2 50
<i>Tin Plates:</i>	
10 Gauge, 14 x 20	4 25
10 Gauge, 14 x 20	4 50
10 Charcoal, 14 x 20	5 50
10 Charcoal	6 50

out of the latter on mere pressure with the finger nail. From this fruit the oil is obtained in Africa largely in a very primitive fashion, that is to say, by boiling and then skimming off the fat rising to the surface; such fat is even used for edible purposes. For the commercial fat even less care is often employed, for to save the boiling, the fruit is left piled up to ferment, then pounded in mortars, the kernel removed, and lastly pressed in sacs. The press cake is then sometimes boiled in water also and the fat again skimmed off. There are but few large establishments in Africa for the manufacture of this oil; in general, where there is no slave trade, negro families occupy themselves with this work. Owing to the very impure condition of the oil so made, the latter is usually refined once more on ship board. For these reasons the less known brands enter the market in a quite impure condition, and the purchaser of cheap oil must always be prepared to find in it much impurity and had better have it examined for its real percentage of oil.

Fresh palm oil has the consistency of butter, has a dark yellow to yellowish red color and a violet-like odor, with a sweetish taste. As it readily turns rancid on exposure, while its color at the same time becomes lighter, it is rarely received in quite fresh condition. With its varying degree of rancidity the melting point also raises or falls. The causes which render palm oil liable to become rancid more rapidly than

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Name of Article.	Wholesale.
	\$ c. \$ c.
<i>Terne Plate 10, 20x28</i>	7 50 0 00
Russ. Sheet Iron	0 10 0 00
Lion & Crown tin'd sh'ts	
22 and 24 gauge case lots	0 0 7 75
26 gauge	0 00 7 75
Lead: Pig, per 100 lbs;	3 25 3 25
Sheet,	0 00 0 04
Shot, 100 lb., less 2½ p.c.	0 60 6 50
Lead Pipe, per 100 lbs.	7 00 0 00
	less 87½ p.c.
<i>Zinc:</i>	
Spelter, per 100 lbs.	0 00 4 75
Sheet, Zinc "	5 75 6 00
<i>Black Sheet Iron,</i>	
Per 100 lbs.	
8 to 16 gauge	2 45 0 00
18 to 20 do	2 40 0 00
22 to 24 do	2 45 0 00
26 do	2 50 0 00
28 do	2 55 0 00
<i>Wire:</i>	
Plain galv'd, No. 5	3 95 0 00
do do No. 5, 7, 8	3 45 0 00
do do No. 9	2 80 0 00
do do No. 10	3 55 0 00
do do No. 11	3 65 0 00
do do No. 12	2 95 0 00
do do No. 13	3 05 0 00
do do No. 14	4 05 0 00
do do No. 15	4 55 0 00
do do No. 16	4 80 0 00
Barbed Wire—	
Spring Wire per 100, 1.25	3 00 f.o.b.
net extra.	Montreal,
Iron and Steel Wire pl'n	
6 to 9	2 80 base.
Rope.	
Sisal, base	0 60
" 7-16 and up	0 12½
" ¾ "	0 13
" 5-16 "	0 13½
" ¾ "	0 13½
" 3-16 "	0 14
Mannilla, 7-16 & lgr.	0 15
" ¾ "	0 15½
" 5-16 "	0 16
" ¾ "	0 16
" 3-16 "	0 16½
Math yarn	0 11

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MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, JULY 10, 1902.

Name of Article.	Wholesale.	
	\$ c.	¢ c.
Wire Nails.		
Base Price carload.....	2 50	
Less than ".....	2 55	
2d extra.....	1 00	
2d f ".....	1 00	
3d ".....	0 65	
4d and 5d ".....	0 40	
6d and 7d ".....	0 30	
8d and 9d ".....	0 15	
10d and 12d ".....	0 10	
16d and 20d ".....	0 05	
30d to 60d ".....	Base	
Building Paper.		
Dry Sheeting (roll).....	0 35	0 00
Tarred ".....	0 45	0 00
Hides and Tallow		
Montreal Green Hides		
" No. 1.....	0 09	0 00
" No. 2.....	0 08	0 00
" No. 3.....	0 07	0 00
Tanners pay \$1 extra for sorted		
cured & inspect'd Sheepskins.....		
Clips.....	0 00	0 00
Lambskins each.....	0 00	0 30
Calfskins, No. 1.....	0 00	0 12
" No. 2.....	0 00	0 10
Horsehides.....	1 50	2 00
Leather		
No. 1 B. A. Sole.....	0 27	0 28
No. 2 B. A. Sole.....	0 25	0 26
No. 3 B. A. Spanish Sole.....	0 24	0 25
Slaughter, No. 1.....	0 28	0 29
Light medium & heavy.....	0 28	0 29
" No. 2.....	0 26	0 27
Harness.....	0 28	0 32
Upper, heavy.....	0 24	0 36
Upper, light.....	0 35	0 37
Grained Upper.....	0 34	0 35
Scotch Grain.....	0 35	0 38
Kip Skins, French.....	0 60	0 65
English.....	0 45	0 55
Canada Kip.....	0 50	0 60
Hemlock Calf.....	0 50	0 60
" Light.....	0 35	1 10
French Calf.....	0 23	0 25
Splits, light and medium.....	0 17	0 20
" heavy.....	0 18	0 20
" small.....	0 06	0 10
Leather Board, Canada.....	0 16	0 18
Enameled Cow, per ft.....	0 12	0 14
Pebble Grain.....	0 12	0 13
Glove Grain.....	0 15	0 20
B. Calf.....	0 11	0 13
Brush (Cow) Kid.....	0 13	0 16
Buff.....	0 35	0 40
Russetts, light.....	0 25	0 30
" heavy.....	0 35	0 40
" No. 2.....	7 50	9 00
" Saddlers' doz.....	0 65	0 75
Imt. French Calf.....	0 30	0 35
English Oak lb.....	0 38	0 43
Dongola, extra.....	0 20	0 22
" No. 1.....	0 14	0 16
" ordinary.....	0 13	0 16
Colored Pebbles.....	0 16	0 22
" Calf.....	0 16	0 22

any other fat are perhaps to be found in the admixture of several readily changeable constituents of the flesh of the fruit.

For soap-making purposes the oil becomes adapted especially by bleaching it first, for without bleaching it forms a yellow soap. Owing to the unstable character of the coloring matter, the operation of bleaching is easily performed by either light, air and heat, or by oxidizing agents as oxygen and chlorine. The method of bleaching selected depends in part on the arrangement of the soap factory; where there is steam at disposal, the process of air bleaching is the simplest, and one of two ways in use; the older method consists in melting the oil, settling well, pumping into a clean reservoir, warming to 80 deg. R. (212 deg. F.), and then pumping air through it so as to keep it continually in motion, whereby the coloring matter is gradually decomposed. A very serviceable apparatus for this is Koerting's air aspirator. The stem apparatus for this purpose is usually made of hard lead, but if not acids are to be used (as in bleaching other fats, it may be of iron simply. This apparatus has a closed steam coil for heating and a steam injector to produce a partial vacuum, so that air will pass in through a suitable air pipe. On the other hand there are also pressure apparatus operating by air being forced through the oil instead of by suction. Here and there sulphurous acid may take the place of air in bleaching, but not often. For want of steam some factories, not wishing to employ chemicals, have various mechanical contrivances for exposing the melted and warmed oil to the air; the simplest of these is an iron sieve with small perforations, suspended over the kettle by a rope from the ceiling; it is lowered into the oil and drawn up when filled; the thin jets of oil falling back are thus

MONTREAL WHOLESALE PRICE CURRENT
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Name of Article.	Wholesale.	
	\$ c.	¢ c.
Oils		
Cod Oil.....	0 40	0 42½
S. R. Pale Seal.....	0 50	0 52½
Straw Seal.....	0 40	0 50
Cod Liver Oil, Nfd. Norw.....		
" Process.....	1 40	1 60
" Norwegian.....	2 00	2 25
Castor Oil.....	0 09½	0 10
Castor Oil brls.....	0 08	0 09½
Lard Oil, Extra.....	0 75	0 85
".....	0 65	0 75
Linseed, raw, nett.....	0 81	0 82
" boiled, nett.....	0 84	0 85
Olive, pure.....	1 05	1 15
Extra, qt., per case.....	0 00	3 70
Turpentine, nett.....	0 71	0 72
Petroleum:		
Benzine.....	0 20	0 30
Glass.		
United inches, 90 to 25.....	0 00	2 10
do 26 to 40.....	0 00	2 20
do 41 to 50.....	0 00	4 70
do 51 to 60.....	0 00	4 95
Paints, &c.		
Lead pure 50 to 100 lb. kgs.....	0 00	5 87½
do No. 1.....	0 00	5 50
do No. 2.....	0 00	5 12½
do No. 3.....	0 08	4 75
do No. 4.....	0 00	4 82½
White Lead dry.....	5 50	5 50
Red Lead.....	5 00	5 50
Venetian Red Eng'h.....	1 75	2 00
Yel. Ochre, French.....	1 50	3 25
Whiting, ordinary.....	0 45	0 50
do Gliders.....	0 60	0 70
do Paris, do.....	0 85	1 00
English Cement, cask.....	2 15	2 25
Belgian do.....	1 65	1 80
German do.....	2 25	2 45
American do.....	2 00	2 40
Fire Bricks per 1000.....	16 00	22 00
Fire Clay.....	1 50	1 75
Rosin.....	2 75	5 50
Glue:		
Domestic Broken Sheet.....	0 13	0 15
French Casks.....	0 11½	0 13
do brls.....	0 00	0 14
American White, brls.....	0 16	0 20
Cooches' Glue.....	0 20	0 26
Brunswick Green.....	0 04	0 10
French Imperial Green.....	0 12	0 16
No. 1 Furnit's Varn'h. pr.gl.....	0 65	0 70
" do do.....	0 75	1 00
Brown Japan.....	0 60	0 75
Black Japan.....	0 50	0 75
Orange Shellac, No. 1.....	2 00	2 25
do do Pure.....	2 25	2 75
White do.....	2 75	3 00
Putty Bulk 100 lb. brl.....	0 00	2 00
Parisgreen in drum 1 lb pk.....	0 13½	0 14½
Kalsomine, 5 lb pkgs.....	0 00	0 03½
Wool.		
Canadian Washed.....	0 12	0 13
North West.....	0 13	0 25
Unwashed.....	0 08	0 00
B. A. Scoured.....	0 34	0 35½
Natal.....	0 16	0 17½
Cape, greasy.....	0 16½	0 17½
Australian greasy.....	0 16	0 20

EDGAR ALLEN & CO., LTD.,

Imperial Steel Works,
SHEFFIELD, Eng.

MANUFACTURERS OF

BEST TOOL STEEL,

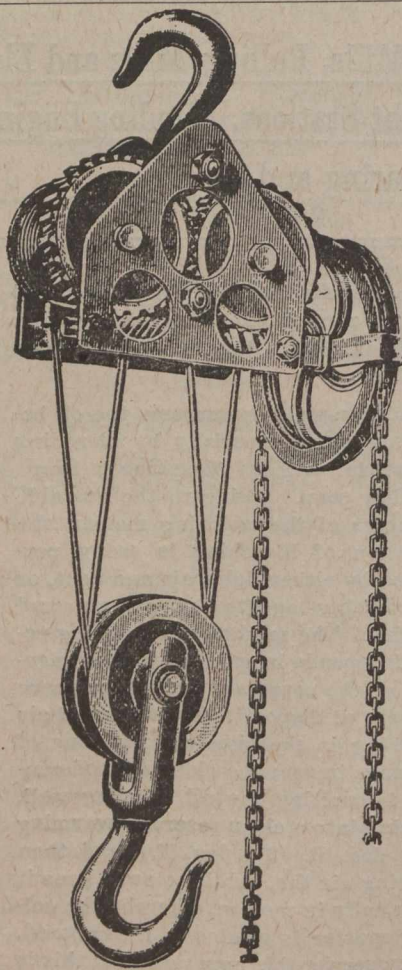
Crusher Jaws, Cams, Tappets, Heads, Machine-Moulded Gearing, Truck and Skip Wheels and Axles,
Miners' Drill Steel, Steel Castings, Files, &c.

TURNER'S PATENT IRON-FIBRED STEEL.

freely exposed to the air. This operation is continued for several hours and is particularly effective if towards the end the temperature is raised still a little higher, say to 90 deg. R. (232 F.). With some care a very light colored oil results which, made into soap, retains the desirable, violet odor that is nearly lost by bleaching with acids and bichromates.

Next there is the bleaching by fire heat, which is somewhat dangerous as to fire, however. The oil after melting, settling and pumping over, is covered up and then heated to about 140 deg. R. (350 deg. F.); gradually the natural color turns into a brownish green and, with continued heating, changes to light yellow. Toward the last it is essential to heat slowly, as with too strong after heating the oil would become dark brown instead of light yellow; it is for this reason also advisable to cool the oil off at once at the end of the bleaching operation. It may be observed that at 212 deg. F. the oil will apparently boil up, in consequence of the oil contained in it; then a white, acid penetrating vapor will form which indicates that bleaching is proceeding well. With this process the violet or orris-root odor is partly destroyed.

Lastly, there are the methods of bleaching by means of acids; the most popular is carried out as follows: The previously melted and settled oil is allowed to cool to about 100 deg. F.; meantime a pound of bichromate of potash (for each 100 pounds of oil) is dissolved in two pounds of boiling water, and for each two pounds of the bichromate there are weighed off (in separate wooden containers) 3¼ lbs.



Lifting Tackle

FOR ALL PURPOSES.

Cranes, Sheave Blocks,
Crabs, Pulley Blocks.

The Steel Rope
Pulley - Block Co.,
LIMITED,

WASHFORD ROAD,
Sheffield, Eng.

hydrochloric acid and ¼ pound sulphuric acid. The hydrochloric acid is crushed into the oil first, then the bichromate of potash, and lastly, the sulphuric acid. Crushing is continued till a dark green color appears; on now crutching half an hour longer a sooty

green develops when the oil is left to settle. Soon it is seen that the color is less green on the surface—the chrome compound is settling to the bottom. After a rest of 10 or 12 hours a nice light colored oil results. This bleaching by chemicals is more expen-

Eclectic Steel Co., Limited,

Princess Street Works,
SHEFFIELD, Eng

MANUFACTURERS OF

CRUCIBLE CAST STEEL

FOR ALL PURPOSES.

Special Miners Drill Steel
Ground and Polished Steel for Shafting.

SPECIAL NOTE.—This Special Steel is manufactured for the Canadian Market, under the new preferential tariff, 33½ per cent. in favour of the English makers.

Steel Moulders' Composition for Castings of every description.
Ground Ganister for Cupolas, Bessemers, Crucible Steel Melting Holes, etc.
Patent Non-Conducting Cement for Steam Pipes and Boilers superior to Felt and Compositions for preventing the radiation of Heat, Saving Fuel, etc.
Special Terms to Canadians under the New Preferential Tariff.

sive than the previously mentioned methods and more of its agreeable odor is lost. Too great heat in this process spoils the result. Lagos palm oil and the other better varieties are best amenable to bleaching.

In the same manner as last described are used permanganate of potash and acid. Hydrogen peroxide is also a very suitable agent for bleaching, 5 per cent. of the commercial 10-volume solution being simply crutched through the oil from time to time; this process, however requires several days.

Bleached palm oil can be used with excellent results in all hard soaps, and gives a good yield; it also is well adapted to replace tallow in figged soaps.

INSURANCE DECISIONS.

Paid-up Policy.—Under a policy of insurance providing that after the payment of three annual premiums the policy shall become a paid-up term policy, "and continue in force for such time as one annual premium upon this policy is contained in its reserve value" the time for which the policy shall continue in force is to be determined by dividing the amount of the reserve value by the amount of the annual premium upon the entire policy, and not merely by the annual premium upon each \$1,000 of the policy. *Crutchfield et al vs Union Cent. Life Ins. Co., 67 S. W. Rep. (Ky.) 8.*

Policy as an Asset in Bankruptcy.—A husband and his wife were each adjudged bankrupt, and the same trustee appointed for both. His life was insured, the policies payable to her, but provided that, if she should not survive him, payment should be made to his executors, administrators and assigns. They claimed the policies as exempt under Laws Wash. 1895, p. 336, providing that the proceeds or values of all life insurance shall be exempt from all liability for any debt and Bankr. Act, section 6, providing that the act shall not affect the allowance to bankrupts

of the examinations prescribed by the State laws. Held, that such section does not control the provisions of section 70a, that when the bankrupt has an insurance policy which has a cash surrender value, payable to himself, his estate, or personal representatives, the policy shall pass to the trustee as assets, unless the bankrupt pays such value to the trustee; and as the wife could not hold policies payable to her, nor the husband hold them when payable to his personal representatives in the event of her prior death, the policies passed to the trustees. *In re Holden et al, 113 Fed. Rep. (U.S.C.C. A., Wash.) 141. ?*

Employer's Liability Insurance.—**Payment.**—The injury of an employee does not render a fund payable to the master under a policy insuring him against liabilities for injuries to employees a trust fund for the benefit of the injured employee; and therefore a good faith settlement with the master before the employee obtains judgment against him, and without any knowledge of any claim of the employee to the fund, and before he brings suit to subject it to his claim, relieves the insurer from any liability to the servant, and the master may use the proceeds of the settlement as he sees fit, as there was no privity of contract between the insurer and the employee. *Bain vs Atkins et al 63 N.E. Rep. (Mass.) 414.*

Fraternal Insurance—Suspension of Local Lodge.—Where the constitution of a mutual benefit association requires that in case of failure of a subordinate body to pay over assessments collected from members to the governing body, a certain district official shall institute an inquiry, taking testimony on notice to the defaulting subordinate lodge, and render a judgment, and report it to the governing body, and that until such steps are taken a subordinate lodge shall not be declared dormant, and that a state of dormancy shall exist three months before the charter of the subordinate lodge shall be cancelled, a notice cancelling such charter, made twelve days after a no-

"PIONEER" GOLDEN FLAKE CAVENDISH TOBACCO.

MADE IN LIVERPOOL, ENGLAND.

TRADE PRICE:

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

"Order direct or through your jobber."

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L. A. CARON Auditor Town of Maisonneuve and of la Chambre de Commerce du District de Montreal.
GAGNON & CARON, Rooms 41 & 43 Montreal St. Ry. Bldg., Montreal.
 Accountants, Curators, Liquidators and Commissioners, S. C. Bell Tel. Main 815.

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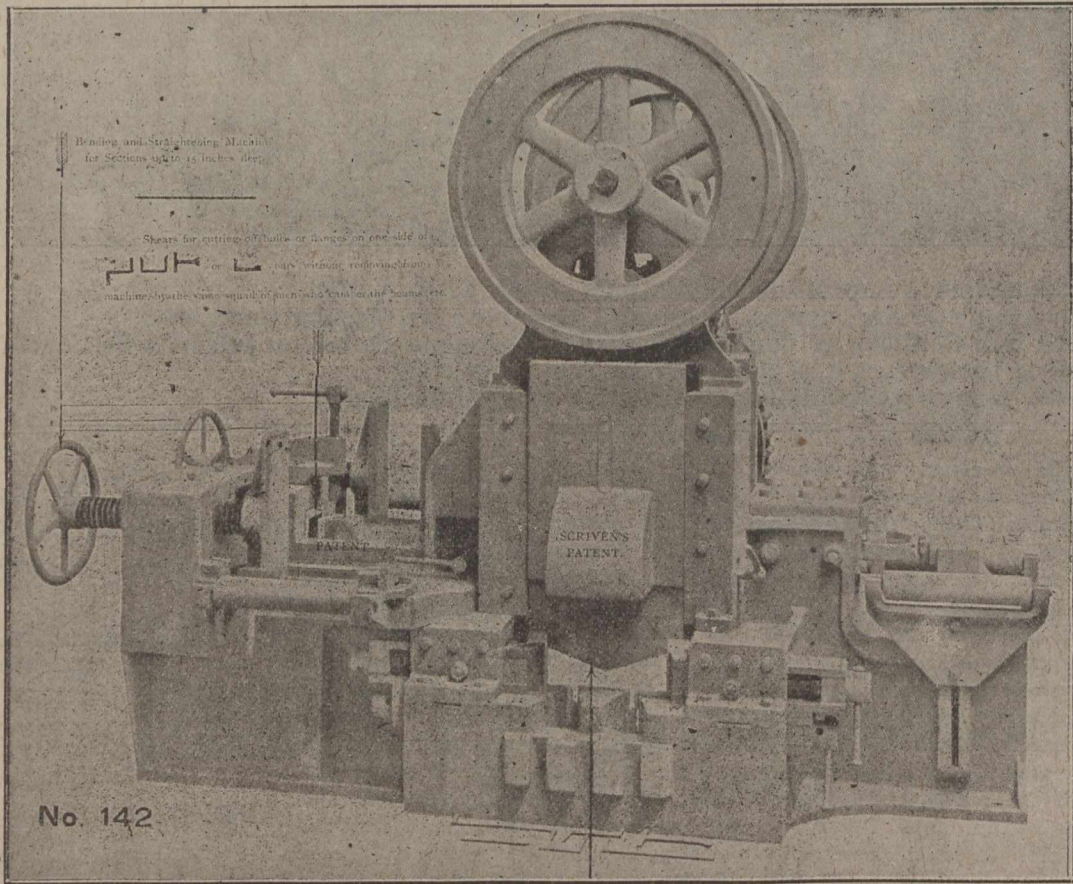
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Machine Tools and Hydraulic Machinery,

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.

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BUILDERS IRON
AND STEEL
WORK,
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FRANCIS MORTON & CO. LTD.

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GARSTON NEAR LIVERPOOL.

AREA 10 1/2 ACRES.

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CAPACITY OF OUTPUT
30,000 TONS ANNUALLY.

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

tice suspending all of the members of the lodge, and without other proceedings, is void. Gray vs Chapter General of America, Knights of St. John and Malta, et al, 75 N.Y. Supp. 267.

Life Insurance—Condition Precedent to Recovery.—A warranty by the applicant for an insurance policy, made part of the contract, is a condition precedent to liability of the insurer. Dimick vs Metropolitan Life Ins. Co., 51 At. Rep. (N.J.), 692.—**Life Insurance—Delivery of Policy Before Payment of Premium.**—A life insurance company, through its general agent, may waive a stipulation in a life policy that no liability shall attach until the first premium is paid. Snyder vs Nederland Life Ins. Co., 52 At. Rep. (Pa.) 744.

Fire Insurance—Failure to Attach Transfer Permit.—An insurance policy provided that the property should be covered while contained, in a frame building situated at a certain place, and that no condition of the policy should be waived by any officer, unless the waiver was written or attached to it. On May 2nd insured transferred the agent that he desired a transfer of the insurance to another building made that day which the agent agreed to do. On May 19th the property was destroyed by fire. On May 21st the agent, who had then ceased to act for the

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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.

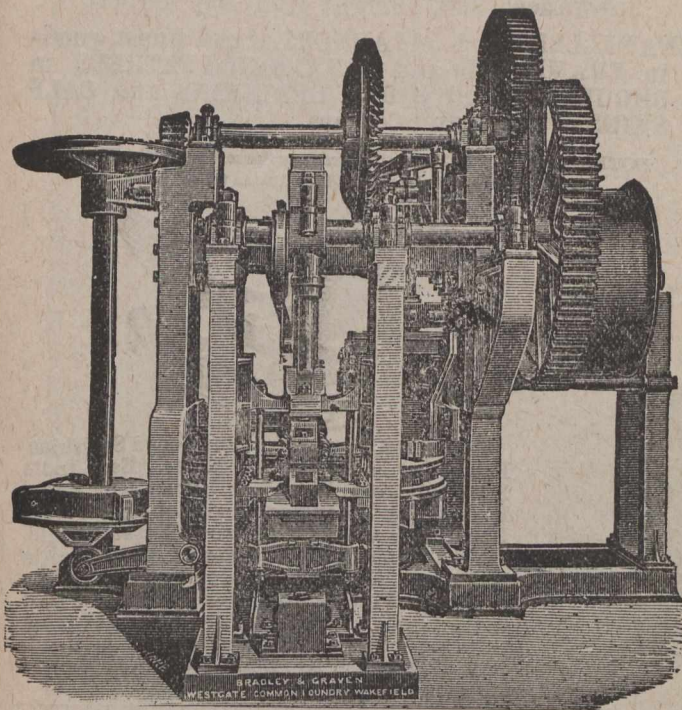
Double the Strength of any other Machines in the Market.

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.

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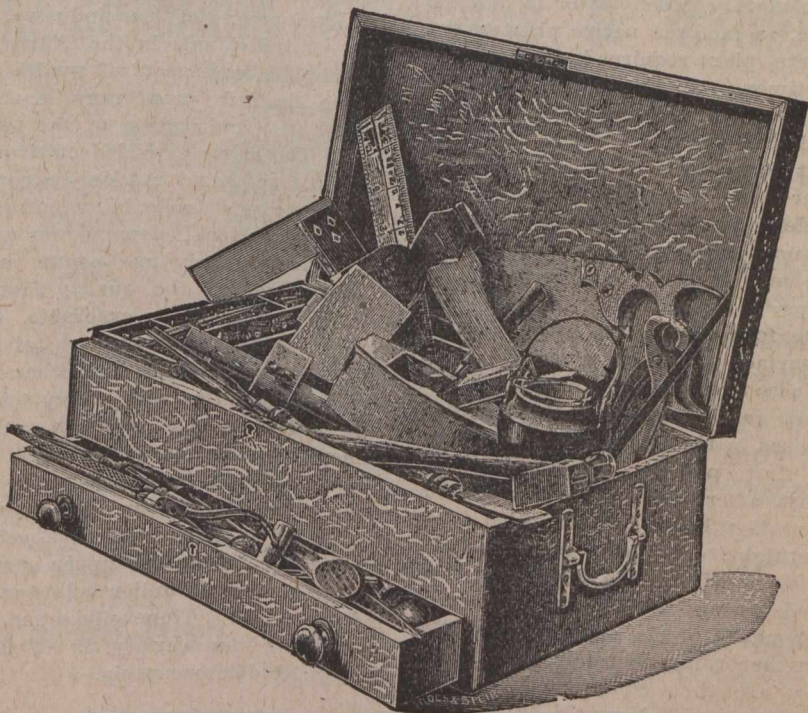
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James Needham

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



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

company, attached the permit to the policy. Held, that, if the written permit was actually made and held for the insured prior to the fire, the fact that it was not attached to the policy until after that time did not destroy its validity. *Bennett vs Western Underwriters' Association*, 89 N. W. Rep. (Mich.) 702.

Fire Insurance—Loss Before Approval.—Where a written application for insurance is made upon a blank form which provides that no liability shall attach until the application has been approved by the home office, and the application, together with the premium, is delivered to the agent of the company, and before the application has been approved by the home office the property is destroyed by the hazard insured against, held, that the insurance company is not liable for loss occurring before such approval. *St. Paul Fire and Marine Ins. Co. vs Kelley et al*, 89 N.W. Rep. (Neb.) 997.

Fire Insurance—Misrepresentation as to Title.—Where a husband applying for insurance on his wife's real estate made a general statement that he was the owner, but with no intent to deceive, such statement did not invalidate the policy, under Pub. St. c 119, section 181; Rev. Laws, c. 118, section 21—providing that no misrepresentation shall void the policy unless made with intent to deceive, or the matter misrepresented increases the risk. *Doyle vs American Fire Ins. Co.*, 63 N. E. Rep. (Mass.) 394.

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Inventors and Patentees of Machine Cast and Planed Printers Leads, Clumps and Metal Furniture

Canadian Printers will do well before ordering the usual supplies to send for our terms and discounts under the New Tariff and effect a saving of not less than 2½ per cent.

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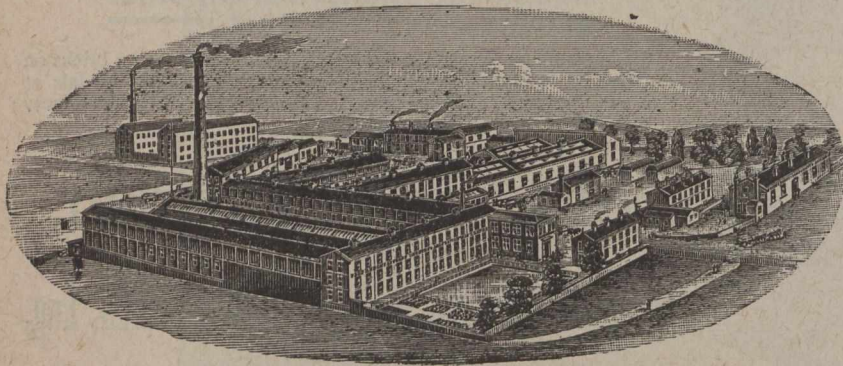
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Russet Lining Bellies and Shoulders, of Light Substance, Soft, Bright and Dry Finish.

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



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THE SENNA INDUSTRY IN INDIA.

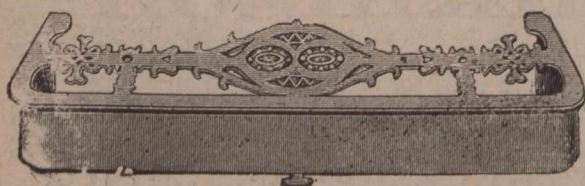
Our native friends, says a Calcutta paper, complain of the natural wealth of India being drained from the country by foreign capitalists and speculators, and yet there are almost numberless directions in which native capital and enterprise could be profitably invested even to the exclusion of foreign agencies. For instance, in Southern India there is the senna leaves industry. At present Europe obtains its senna principally from Egypt, Arabia, the Punjab and Tinnevely. The Arabian supply is first exported to Bombay, from where about half of it is re-exported to Europe. It is not very highly valued, and this is easily explained by the fact that the plant in Arabia grows wild, and much care does not seem to be expended on the collection and preparation of the leaves. Of late years the variety shipped from Africa, and which is known to commerce as Alexandrian senna, has improved considerably in quality, chiefly because it is not now adulterated. The South Indian leaf is known in commerce as Tinnevely senna and East India senna. It is obtained from the plant known as cassia angustifolia, which is supposed to have been originally introduced into Southern India from Arabian seeds. It is reputed to yield the finest senna of commerce, and this being so, it is strange that the plant, which develops very favorably under careful cultivation, is not more extensively grown. Cultivation, so far, has been confined almost exclusively

to the Tinnevely district, although within recent years, some attempts have been made to grow it in Madura and Trichinopoly. The soil suited to the plant is red or black loam, and the dry ground is prepared in April by plowing and manuring. The following month the seed is sown broadcast and plowed in. Weeding is then carefully attended to. Much water is not required. In fact the native planters say that the plant requires irrigation only four times. On the other hand, too little rain during the period of cultivation is calculated to injure the crop. About forty days after sowing, the tender spikes and blossoms are plucked in order that the strength of the leaves may not be impaired. At the end of three months the crop is ready for picking. Indication of this consists in the formation of an ashy color on the surface of the leaves and in their readiness to break when subjected even to very gentle pressure. Much care is exercised in the plucking of the leaves. The first picking takes place in August, after which there is a second, fifteen days later, and the third after a fortnight. On being harvested the leaves are dried in the shade, and then passed through a sieve, the meshes of which admit of the separation of the leaves according to their size. The leaves are then compressed in bales for shipment. This would be in about two or three weeks after harvesting. About 5,000 candies of senna leaves are annually shipped to the United Kingdom from Tuticorin. It is estimated that an acre of land would yield about 1,000 pounds, or two candies of dried senna leaves, and the cost of

cultivation is so moderate, that the industry cannot be other than reasonably remunerative, notwithstanding that prices have fallen in the European market within recent years. Senna leaves were until recently used entirely for medicinal purposes, but I believe, they have now been found serviceable for dyeing cloth and yarn, wherefore there is increased scope for the development of the industry. I know of individuals in the Tinnevely district who have acquired wealth and become landed proprietors entirely through the cultivation of the senna plant. The more extended cultivation of the plant would not only create a profitable export trade, but would meet an important local demand, for while the natives largely use senna as a medicinal agent, the quality that is sold in the bazars is execrable, consisting usually of fragments of old leaves, pieces of stems and other rubbish. Adulteration with a very similar looking leaf is also common. Good Tinnevely senna leaves are large, thin entire leaflets, from one to two or more inches long, sometimes half an inch broad at the widest part, yellowish green color on the upper surface, with a somewhat duller color on the under surface. Tinnevely senna, like the Alexandrian variety, is official in the British Pharmacopoeia.

THE LONDON PUBLIC SALES OF DRUGS.

The auctions on June 12 were distinguished by a noticeable increase in the

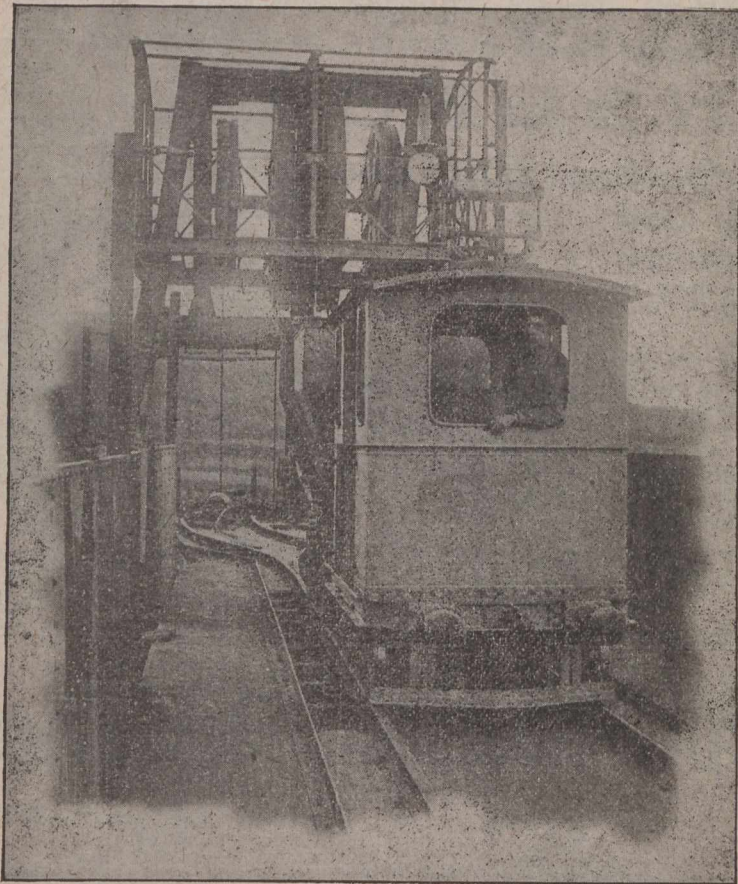


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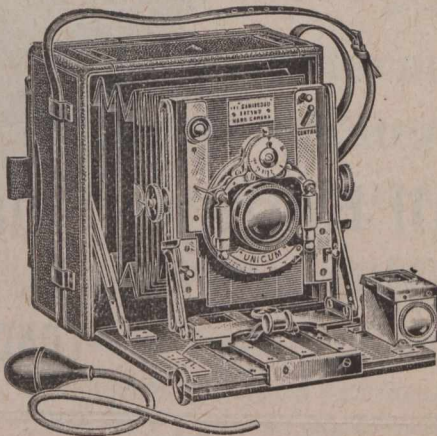
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general demand, influenced, possibly, by the fact that no public sales will be held for a month, consequent upon the date originally fixed for these falling in Coronation week. Cape aloes were well competed for and brought advanced prices—up to 44s 6d per cwt. for fair quality; the East African kind have quite gone out of favor and no bids were obtainable for the 78 cases catalogued. Bombay socotrine aloes were very firm, but Curacao sold at lower prices. Areca nuts about steady. Argol firm. A large consignment of crown bark experienced an active demand at prices rather below valuations. Bucha leaves were held for 1s per lb., a bid of 11½d. being refused. Cascarella firmly held, but not in request. Canella alba and cascara sagrada continue neglected. Cardamoms met with decidedly more demand than for some time past, and the bulk of the offerings sold; medium and bold pods brought 2d to 3d per lb. advance, and in exceptional cases

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

F.O.B. MANCHESTER.

The Sizing Materials Company

Manufacturers of
all kinds of

Chemicals and Materials used
by Warp Sizers and Finishers.

10 Marsden St., - MANCHESTER, Eng.

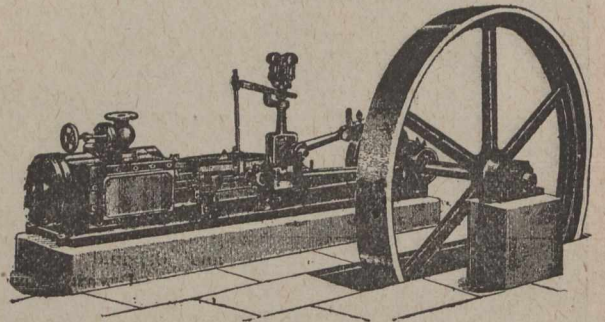
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Constructed to work at a Steam Pressure up to 100 lbs.
Fitted with Patent Automatic Piston Valve Expansion Gear; the Cut-off being automatically adjusted by Governor.

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



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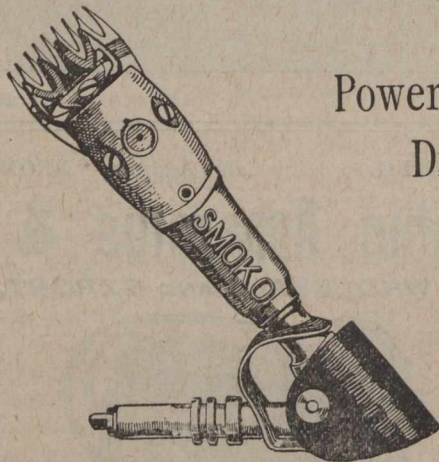
Special estimates to Canadians under the new Preferential Tariff

even more, while smalls and pickings realized fully valuations, seeds being about steady. Cocculus indicus easier. Colocynth quiet, unchanged. Dragon's blood a trifle dearer; attention was drawn to 2 cases of very fine reboiled gum run into blocks of 1½ cwt. each—for these £12 2s 6d was the best bid obtainable, and the buying-in price was £14 per cwt. Ergot of rye slow of sale. Inquiry for Turkey galls has developed, resulting in good sales of blues at 54s to 55s and of whites at 43s 6d to 47s per cwt. Guaza is still held at 2s 6d per lb. for dull, stalky heads, but no business reported. Gum ammoniacum in fair request; subsequent to the auctions business was done in fair clean, small and medium drop of almond at 33s per cwt. Gum benjamin in fair request, Sumatra depreciating a little, while Palembang was quite firm. Elemi had a serious drop in value. Gamboge is still well held, but consumers hold off. Kino sold "without reserve" at low prices. Mastic very dull, and stocks are large. Myrrh neglected. Tragacanth of fourth and lower grades has been largely dealt in during the week, some 250 packages changing hands at

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Driving.

"SMOKO"
Brand are
the most
Reliable.



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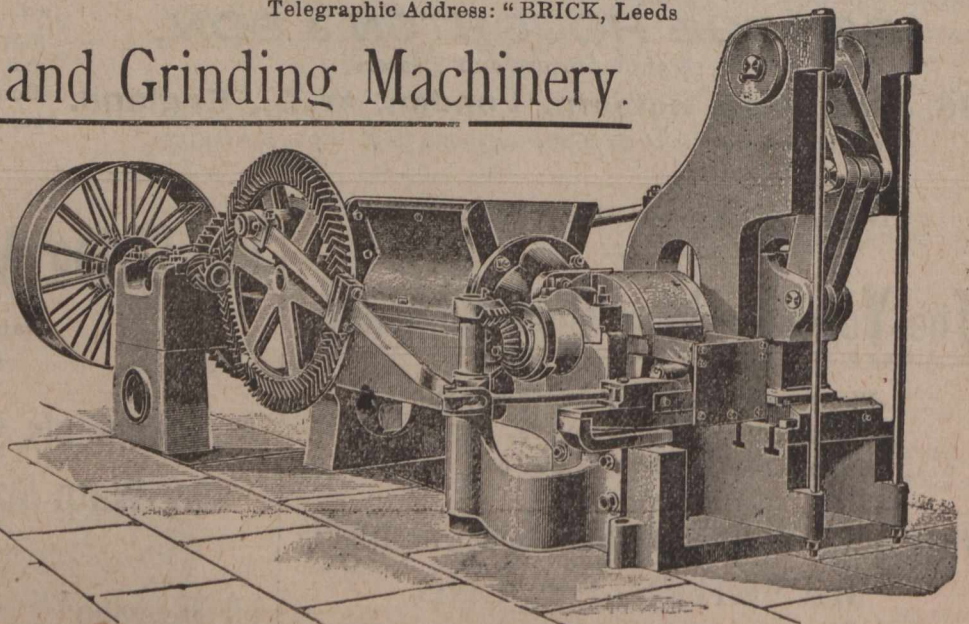
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by . . .

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Scholefield,

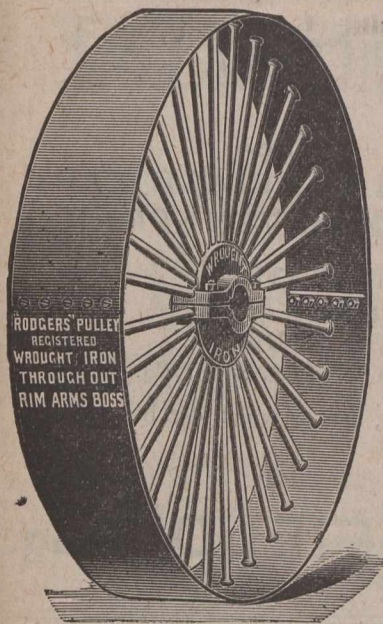
ENGINEER.

Burley Vale Mills.

Kirkstall Road,
LEEDS, Eng.



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



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WROUGHT IRON THROUGHOUT:—RIM, ARMS AND BOSS.

THE ONLY PULLEY MADE WITH A WROUGHT IRON BOSS.

Split or Solid.

All Sizes up to 24 feet Diameter.

140,000 IN USE.

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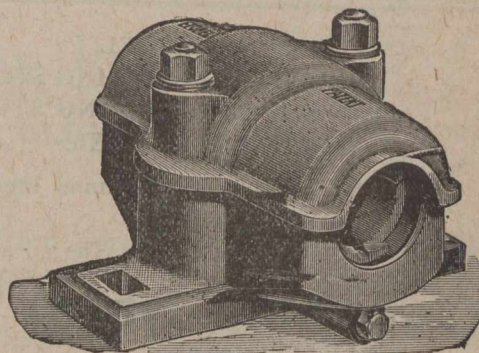
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Self Swivelling. Self Lubricating. No Drip Cups Required.

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

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

an advance of 10s per cwt. on fourths, other qualities being unchanged; common to good yellow now quoted, £5 10s to £7; fourths, £7 15s to £10 5s; thirds, £10 10s to £11 15s; seconds, £12 to £14 5s, and firsts, £14 15s to £16 per cwt. Jamaica honey continues in active request, prices accepted yesterday being rather lower than those of a fortnight ago; other kinds are still neglected. Rio ipecacuanha sells only in retail quantities, owing to holders being so very firm; Carthagena flat. Nuxvomica went in buyers' favor, as did orange peel. Turkey opium generally is very steady, and further considerable sales have taken place in druggists' and manufacturing kinds at 7s 3d to 8s 3d per lb.; "soft shipping" descriptions have only been dealt in to a limited extent, but full prices have been paid, say, 14s to 15s 9d for good to fine, and 9s 9d to 11s 6d per lb. for seconds. Persian opium slow, but unchanged. Rhubarb hangs fire somewhat, but no change can be noted in prices. Colombo root cheaper again. Grey Jamaica sarsaparilla in good demand at improved prices. Dill seed, 2s per cwt. cheaper, while quince was quoted at 3d per lb. decline on the last price

Established 1838.

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

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

Abel Lees & Sons,

ROLLER AND SHAFTEING MAKERS.

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

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

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

AUSTIN & DODSON, LIMITED,

Manufacturers of

SPRING STEEL

FOR
COACH, CARRIAGE, CART
WAGON and VAN SPRINGS.

Loco SPRING STEEL.

Spiral and Volute SPRING STEEL.

Timmis's Section SPRING STEEL.

SLEIGH SHOE STEEL.

TYRE STEEL.

TOE CAULK STEEL.

RAKE TOOTH STEEL.

HARROW TINE STEEL.

PLOUGH PLATES.

LAND SIDES.

PLOUGH MOULDS.

SPRING STEEL SHEETS.

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

Cambria Steel Works, SHEFFIELD, Eng.

paid at auction for this seed. Tinnivelly senna was quiet, unchanged. Turmeric sold "without reserve" at again lower prices. Jamaica wax realized full prices, and all offered went off readily; Zanzibar quiet, but steady; East India neglected. Japan vegetable wax is very scarce, and firmly held for 44s to 45s per cwt., according to holder.

FASHIONS IN PERFUMES.

A Boston perfumery dealer has advanced the novel theory that cheap perfumes are gradually deadening the nostrils of those who come in contact with them. "The perfumes that were popular a few years ago you wouldn't notice now," he said. "Before long they will have to make violets and roses as strong as onions or pennyroyal before you can smell them." Making due allowance for the hyperbole of an older generation, there may be something in this theory.

T. Kerfoot & Co.

MANUFACTURING
PHARMACEUTICAL CHEMISTS

Makers of all kinds of



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

ENQUIRIES SOLICITED.

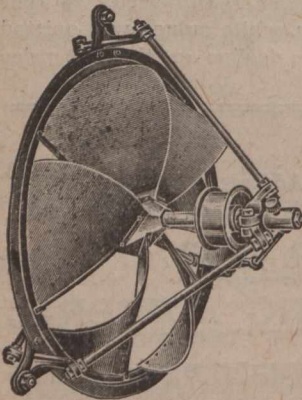
LABORATORIES:

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

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

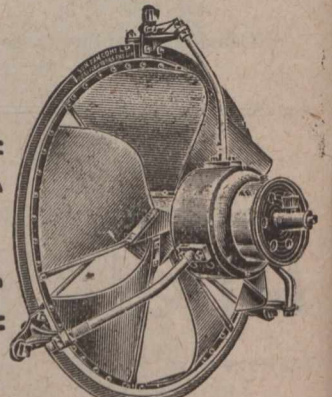
"Sun" Ventilating Fans

Highest Efficiency, Strength
and Lightness



Belt Driven.

MADE ENTIRELY OF WROUGHT
OR MALLEABLE IRON.



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.

RITCHIE LETHAM, Ltd.,

SOLE WEAVERS OF THE

“Union” Hair Belting

... AND THE ...

“HERCULES” Sold Woven COTTON BELTING.



Telegraphic Address: “LETHAM, OLDHAM.”
Telephone, No. 102.

“COTOS” is an Improved Tubular Banding made from perfect Super Egyptian Yarn. The Warp used in the manufacture of this Belting is guaranteed to be made from the BEST quality of the yarn known as Camel Hair Yarn.

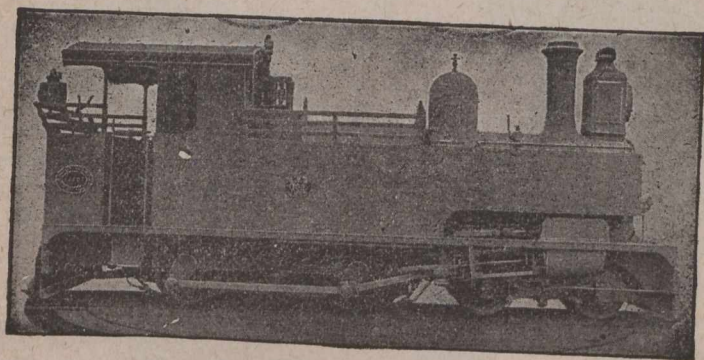
Special lines in “Self-Lubricative” STEAM ENGINE AND PUMP PACKINGS.
Samples and prices free on application.

Address: Waterloo Mills, Oldham, England.

Special Prices to Canadians under the New Tariff.

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.

Violet is by all odds the most popular perfume of this year. “Clover” according to some, would stand second. Rose, of course, is perennially popular. “Clover,” by the way, is not made from clover blossoms at all. The ordinary white and red clover has very little odor, and what it has would not be particularly agreeable if detached from a landscape and a waving field. So the perfumer makes a combination of essences resembling remotely the scent of the tall “sweet clover,” and calls it “clover.” The orange gives four different perfumes, obtained from different parts of flower and plant. Each of the four has been imitated synthetically making eight in all. The odors of lilac and carnation have also been produced with some success by chemical means. Ten years ago the idea of imitating the strange and penetrating odor of musk was laughed at,

Tel. Address, “Abbey,” Accrington.

Established over 50 years.

James Walmsley & Sons,

Accrington, Eng.

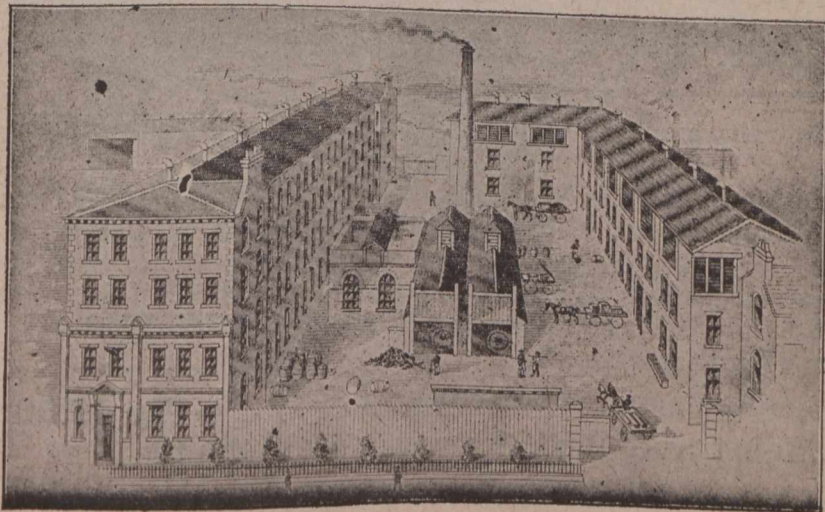
**Leather Curriers,
Strapping Manufacturers
and Mill Furnishers.**

SPECIALITIES:

SINGLE & DOUBLE BELTING

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

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



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.

yet now artificial musk is a regular article of commerce.

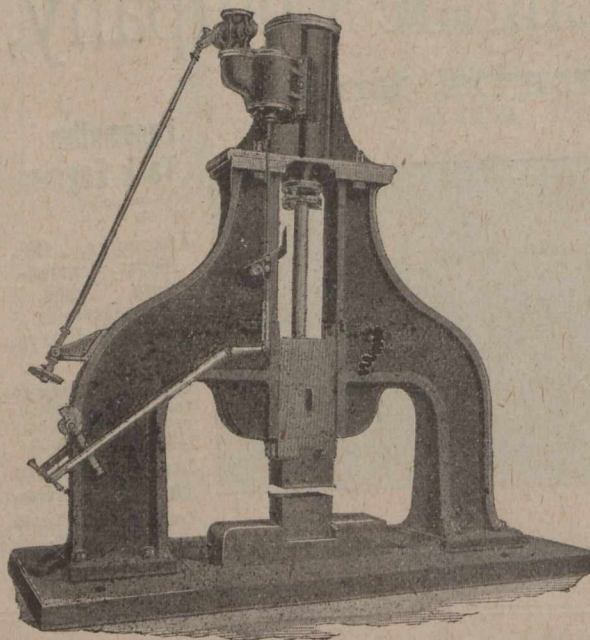
Sachet powders are again waning in popularity. After their extraordinary vogue about 15 years ago they were almost forgotten, and a second revival in the demand for them three years ago has now passed. A novelty from Paris this year is intended to take the place of the old sachet bag. It goes by the name of "amulet," and consists of a little filigree box of metal containing a compressed scented tablet. These are made in a variety of floral odors and can be dangled from a watch chain or chatelaine, carried in the pocket or laid in a closet or bureau drawer.

STRUCK A ROCK.

In the early days of the Standard Oil Company, says a New York paper, one of the heaviest stockholders was the late Amasa Stone of Cleveland, whose daughter Clara is now Mrs. John Hay. Mr. Stone was at that time reputed to be the wealthiest man in northern Ohio, figuring in the directorate boards not only of the Standard Oil Company, but of the banks and railroads and rolling mills, and, in everything having the name of being a "masterful"

B. & S. MASSEY,

OPENSHAW, Manchester, Eng.



Patentees
and Makers of

**STEAM - -
HAMMERS.**

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

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

Catalogues in English, French, German and Russian.

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.

Established 1828.

Cable Address: "DUCHY," Liverpool.

PURE  LARD.

Manufactured in England and packed in 28 lb. Galvanized IRON PAILS, and numerous other packages to suit all tastes. Choicest quality and full weight,

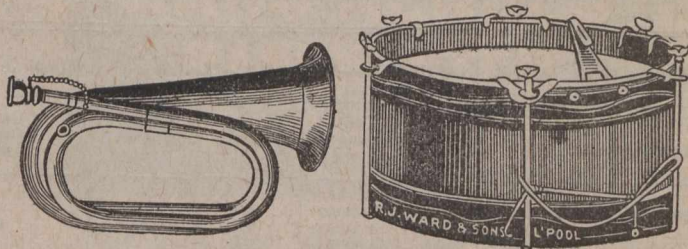
LARD OIL.

For delicate machinery is the finest known.

BAR MOTTLED SOAP.

IRVEN BROTHERS, LIVERPOOL, ENG:
Under New Canadian Tariff Law.

R. J. Ward & Sons,



Military Musical Instrument Manufacturers.

Wholesale Importers
and Exporters of —

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

man. It was due to this last trait in the capitalist's character that he left the best "money maker" with which he was ever associated, the oil company, whose president, John D. Rockefeller was in those days scarcely known outside of a narrow circle of Cleveland friends.

As the story is now told, the cause of Mr. Stone's departure from the board was the quiet refusal of the young president to be ruled by the older mans opinions. Several times there had been differences between the two, all of which, however, had been smoothed over without any breaking off of business relations. But at last at a board meeting held during an evening in the private office of one of the directors came an open break. While Mr. Stone was laying down the law on some mooted point Mr. Rockefeller interrupted him with: "Just a moment, Mr. Stone. I want you to know before this discussion goes any further that you can run your rolling mills and



Emery, Roller & Strickle
Manufacturer.

MILKSTONE EMERY ROLLERWORKS. ROCHDALE, ENGLAND.

Improved ROLLER GRINDING FRAMES of all descriptions.

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

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

EMERY FILLETING.

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

TASKER, SONS & CO.

Manufacturers of Main Driving Bands

In Leather India-Rubber, Hair and Cotton.

Government Contractors.



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

SHEFFIELD, England
32 ANGEL STREET,

Leather Merchants and Mill Strap Manufacturers.

banks as you please, but you can't run Standard Oil." There was a moment's silence, and then Mr. Stone said: "I presume you stand ready to buy my stock, Mr. President?" To Mr. Rockefeller's "Certainly" Mr. Stone merely said, "I'll take \$100,000, and my offer holds good from 10 o'clock tomorrow morning, until a quarter after" Then he picked up his hat and walked from the room. At ten next day a friend of Mr. Rockefeller's was at Mr. Stone's office, and the sale was consummated. It was this which gave the present president of the great company his first extensive holding of the Standard Oil stock.

NEW METHOD OF MAKING PRISMATIC GLASS.

A company has, it is stated, been formed by Pittsburg capitalists for the manufacture of prismatic glass according to a process devised by Prof.

STOCKS AND BONDS—INSURANCE COMPANIES—CANADIAN.—Montreal Quotations July 6, 1902.

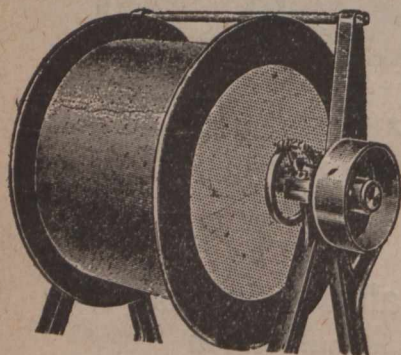
NAME OF COMPANY.	No. Shares.	Last Dividend per year.	Share par value.	Amount paid per Share.	Canada quotations per ct.
British American Fire and Marine....	15,000	3 1/2-6mos.	350	350	98
Canada Life.....	2,500	4-6mos.	400	400	160
Confederation Life.....	10,000	7 1/2-6mos.	100	10	...
Western Assurance.....	25,000	5-6mos.	40	20	97 1/2
Guarantee Co. of North America.....	13,372	5	50	50	....

BRITISH AND FOREIGN.—Quotations on the London Market, June 28, 1902. Market value p. p'd up sh

Alliance Assur.....	250,000	2s. p.s.	20	2 1-5	9 1/2	9 3/4
Atlas.....	24,000	24 p.s.	50	6	25 1/2	26 1/2
British and Foreign Marine.....	67,000	2s	20	4	18	19
Caledonian.....	21,500	12s. p.s.	25	5	...	28 1/2
Commercial U. Fire, Life and Marine.....	50,000	27 1/2	50	5	44 1/2	45 1/2
Guardian Fire and Life.....	200,000	9	10	5	9 1/2	9 3/4
Imperial Fire.....	60,000	2s	20	5	...	...
Lancashire Fire.....	135,493	5	20	2	...	...
Lion Fire.....	100,000	3	20	1 1/2	...	...
London and Lancashire Fire.....	85,100	22	25	2 1/2	18	19
London Assurance Corporation.....	25,862	20	25	12 1/2	52	53
London & Lancashire Life.....	10,000	10	10	2	8	8 1/2
Liv. & Lon. & Globe Fire and Life.....	391,752	90	St.	2	28	29
Northern Fire and Life.....	30,000	*22 1/2	100	10	70	72
North Brit. & Merc. Fire and Life.....	110,000	30s. p.s.	25	6 1/2	36	37
Norwich Union Fire.....	11,000	*33 1/2	100	12	103	106
Phoenix Fire.....	53,776	35	50	5	261 1/2	262 1/2
Royal Insurance Fire and Life.....	125,234	58 1/2	20	...	49 1/2	49 1/2
Sun Fire.....	240,000	240,000	10	10	10	10 1/2
Union.....	45,000	18 p.s.	10	4	12 1/2	13 1/2

*Excluding periodical cash bonus.

The Patent Electro-Magnetic SEPARATORS,



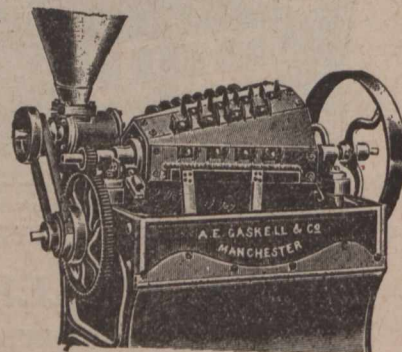
For extracting Iron or Steel from Borings, Ash-Metals, Glass Seeds, Slag Tobacco, &c

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

PRICES ON APPLICATION TO

A. E. GASKELL & Co.,

6 Dickinson St., MANCHESTER, Eng.



Works: ROCHDALE, Eng.

Contractors to Admiralty.

Special Terms to Canadians under the New Canadian 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.

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

1879	NOTHING TO TOUCH THESE	1902
Pioneer in Cycle Chains.	Fitted by all the Leading English Cycle Manufacturers. BEST BRITISH.	At the Head of The Trade.
Send for No. 1. Catalogue (Index to Various Types.)	HAN'S RENOLD MANCHESTER CYCLE CHAINS	Tariff no longer prevents Canada from seeking the Best in the Old Country.
Lightest, Strongest, Most Durable.	Also Renold Patent High Speed Silent Driving Chain, Renold Roller Chain, for Motors, Governor Drive, &c.	Honest Value for Money.
	Works, - MANCHESTER, Eng.	

F. L. O. Wadsworth, director of the Allegheny observatory, by which prismatic glass can be produced as cheap as ordinary rolled plate. The new process will revolutionize the manufacture of that kind of glass. The new factory will be built at Morgantown, W. Va., and a 15-ton continuous tank has already been contracted for. Prof. Wadsworth and W. A. Page, formerly with the Luxfer Prism Company, are back of the deal. Mr. Page will be the superintendent of the new plant. Prof. Wadsworth is the inventor of the process which consists of casting the glass upon a regular casting table in the usual way. After the cast is rolled the table moves forward beneath a mold or iron plate having a grooved surface against which the hot sheet of glass is pushed by the elevation of the table by compressed air. Perfectly even grooves and ridges to secure the desired prismatic effect are thereby produced on large sheets of four by five feet.

The most successful prismatic glass at present produced is in small squares

MORISON SUSPENSION FURNACES.



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.

The Leeds Forge Company, Ltd.
LEEDS, ENG.

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 corrugate types of furnace.

Agents: Mr. GEORGE HOLLAND

Seymour Avenue, Montreal, P.Q.

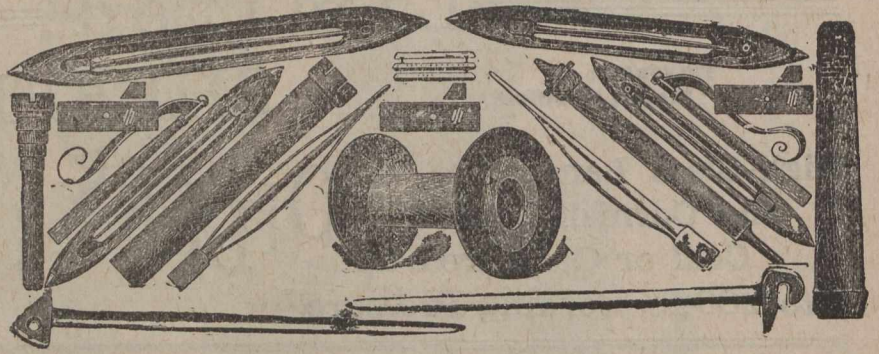
P.O. Box 5291

KIRK & CO.,

SHUTTLE
And Bobbin Makers and General
MILL FURNISHERS.

SPECIALITIES.

**SHUTTLES, Shuttle Pegs
Oak-tanned Picking Bands.
Buffalo and Leather Pickers.
Leather Bumpers, Strapping,
etc.**



**Cob Wall Works,
BLACKBURN, Eng.**

Special Rates to Canadians under the New Preferential Tariff.

four by five inches and is usually pressed. Even in this small size it is very hard to get perfect ribs with the flat mold required and still more difficult to keep each plate straight when turning it out of the mold. By the new system the sheet is held perfectly level on the table on which it is first cast, and while being forced up against the indented plate. After the table is lowered the sheet is slid off into the lehr, keeping it constantly upon a level surface and allowing no chance for bending or warping.

ASPHALT FROM PETROLEUM.

A refinery at Los Angeles, Cal., is turning out oil asphalt from the California fuel oil. The operation is said to

be very profitable. The by-products pay all the expenses of the business, leaving the asphalt clear profit. It is shipped to eastern cities where it is used for paving. The exploitation of this oil asphalt, says the Paint, Oil and Drug Review, has resulted in a wonderful increase in consumption. As at first used it was not so satisfactory. There was nothing the matter with it, but those who used it first did not know how to use it, especially for paving purposes. They were afraid to use enough sand. Instead of using eight barrels of sand to one of asphalt they would use six, even four. The result was a pavement beautiful to look upon and serviceable in cool weather, but which in warm weather would become so soft as to show the imprint of horses' feet, and of the wheels of heavily loaded wagons. Then after a light rain it became slippery and horses

were liable to fall. Now the pavement men have learned a few lessons. Sand is cheap and plentiful in the East, and enough of it properly mixed with the oil asphalt produces a pavement as good as if not superior to the best imported Trinidad pavement.

TURPENTINE FROM FIR TREES.

Dr. Darrin gave an excellent demonstration of his method of extracting turpentine, pitch, tar, tar oil, and other by-products from native fir at his experimental laboratory on Elk street recently, says the Whatcom (Wash.) Reveille. A large number of people watched the interesting process. Eighteen pounds of ordinary fir wood was placed in the retort and the fire started underneath. The wood in

Telegraphic Address: "Hall, Bury."

ROBERT HALL & SONS BURY LTD

BURY,

near Manchester.

... England

Specialties in

Weaving... Machinery

OFFICE:

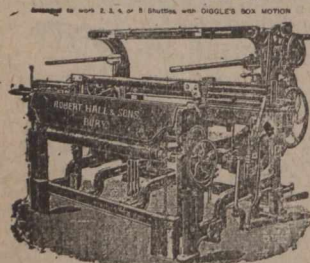
3 HOPWOOD AVENUE,
MARKET PLACE, MANCHESTER.
Every Tuesday and Friday.

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

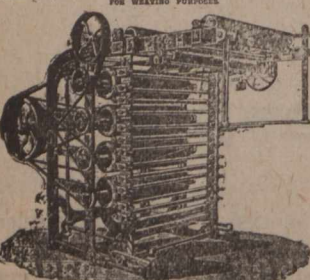
Complete lists of Machinery made on application.

Special prices to Canadians under the new Preferential Tariff.

No. 4 MEDIUM LOOM FOR FANCY FABRICS.

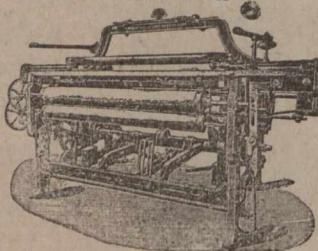


POWER LOOMS OF EVERY KINDS OF PREPARING AND FINISHING MACHINERY FOR WEAVING PURPOSES.

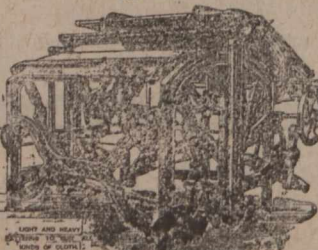


RAISING MACHINE

OVERPICK No 5c LOOM TO WORK 1 SHUTTLE

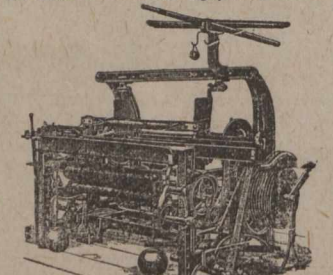


ROBERT HALL & SONS, BURY, Near MANCHESTER

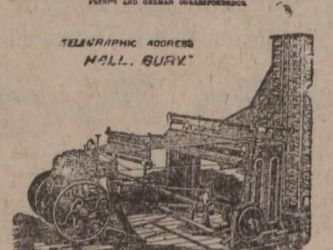


IMPROVED PLATING OR FOLDING MACHINE. WITH PATENT GRIP AND BELIEVING MOTION, AND IMPROVED SETTING-UP MOTION FOR LONG AND SHORT PLATE.

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



ESTABLISHED 1844. COMPLETE LISTS OF MACHINERY MADE ON APPLICATION. LITTONS TO BE ASSIGNED. HOPE FOUNDRY, BURY, LANCASHIRE. PATENT AND DESIGN CORRESPONDENCE.



PATENT SECTIONAL BEAMING MACHINE.

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

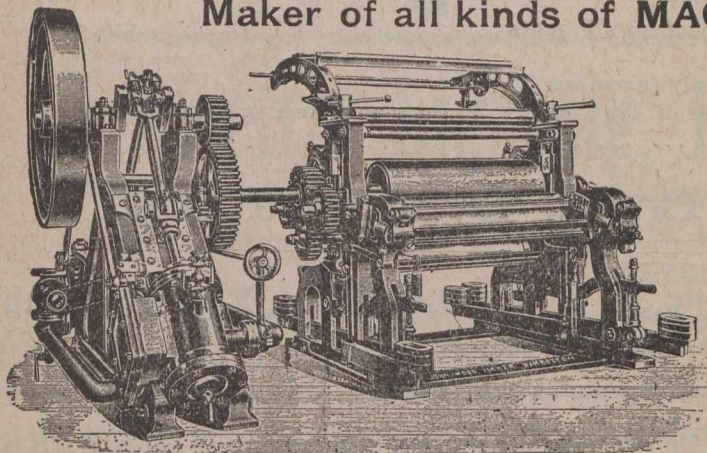
J. WOOD, Calico Printers' Engineer.

Maker of all kinds of MACHINERY for

Bleaching, Dyeing, Printing,
and Finishing Works

Estimates Given for Complete
Works. Also PRINTING MACHINES
for SANITARY WALL PAPERS.

GARDEN ST. FOUNDRY,
Ramsbottom, Manchester, England.



the retort was then covered with water. When the retort reached 300 degrees it ran out through the condenser and continued to drip for several hours. The turpentine was, of course, in a crude form. It was then placed in a small still and refined. At 450 degrees of heat two cans of pitch were taken from the retort. The pitch taken out weighed two pounds. At 500 degrees of heat the gas commenced to come out with the turpentine. A pipe was attached and the gas ignited. It burned a flame of nearly two feet high for over two hours. From the eighteen pounds of wood there was taken out of the various by-products an aggregate of thirteen pounds. Everything about the demonstration was

conducted openly and the process was carefully explained to the visitors.

PUMICE STONE.

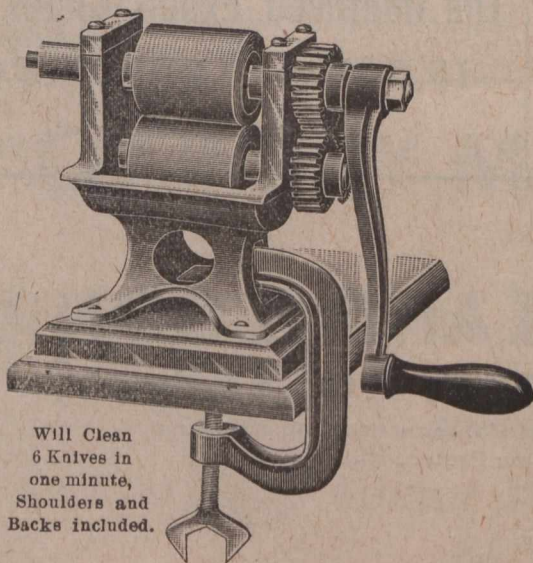
During the summer of 1897 several extensive deposits of pumice were discovered in Nebraska, the most extensive being in Sioux, Dawes, Scott's Bluff, Banner and Cheyenne counties. Another deposit was discovered in South Dakota, about three miles east of Pine Ridge Agency. The volcanic ash of which these deposits were composed was probably brought by the winds from volcanoes, in Colorado and New Mexico, and deposited in the lakes

and other water courses which at that time covered this region. A deposit of lump pumice stone has been found in Millard County, Utah and is the only known deposit of lump pumice stone in the United States. A large deposit of pumice is reported as occurring in Sonoma County, California. On account of the distance of these deposits from the railroad and from the large markets, they have not been able to compete with the pumice imported from Lipari, Sicily, which is shipped as ballast and sells in New York, after being round and bolted, at from 2 to 2½ cents per pound. No record of the pumice imported into the United States is kept, but it is estimated as being \$45,000 and \$65,000.

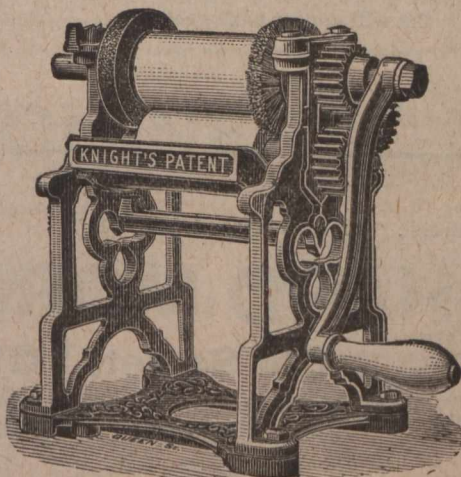
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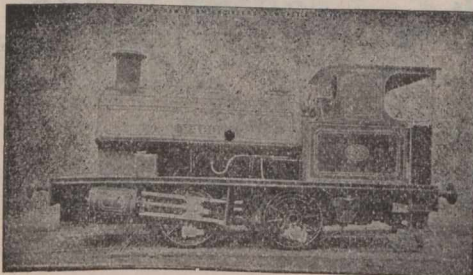
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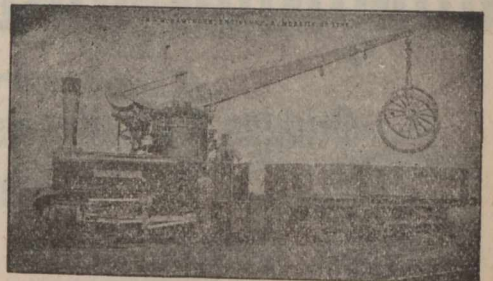


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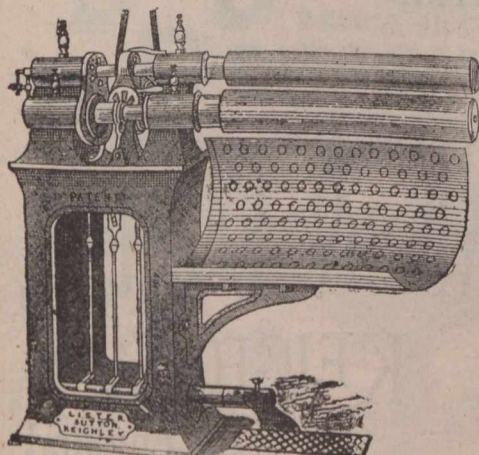
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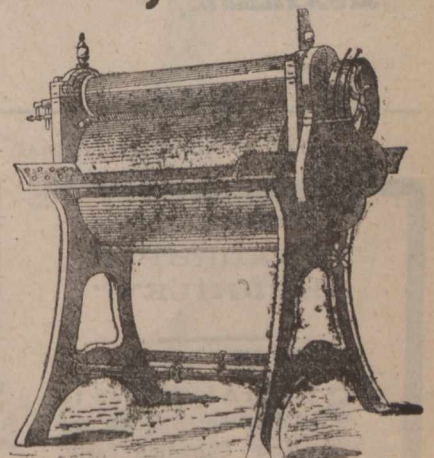
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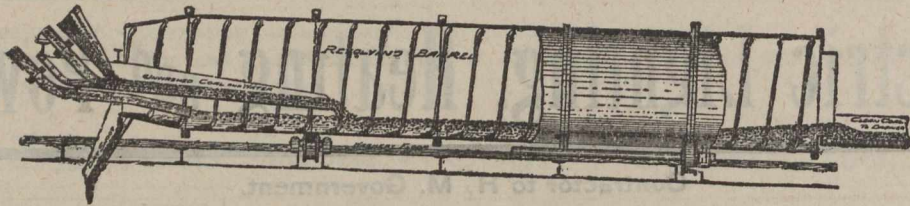
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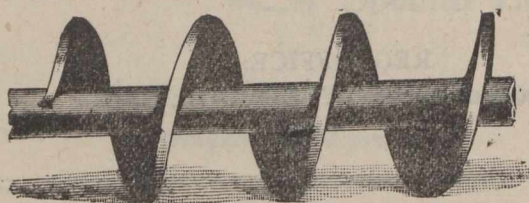
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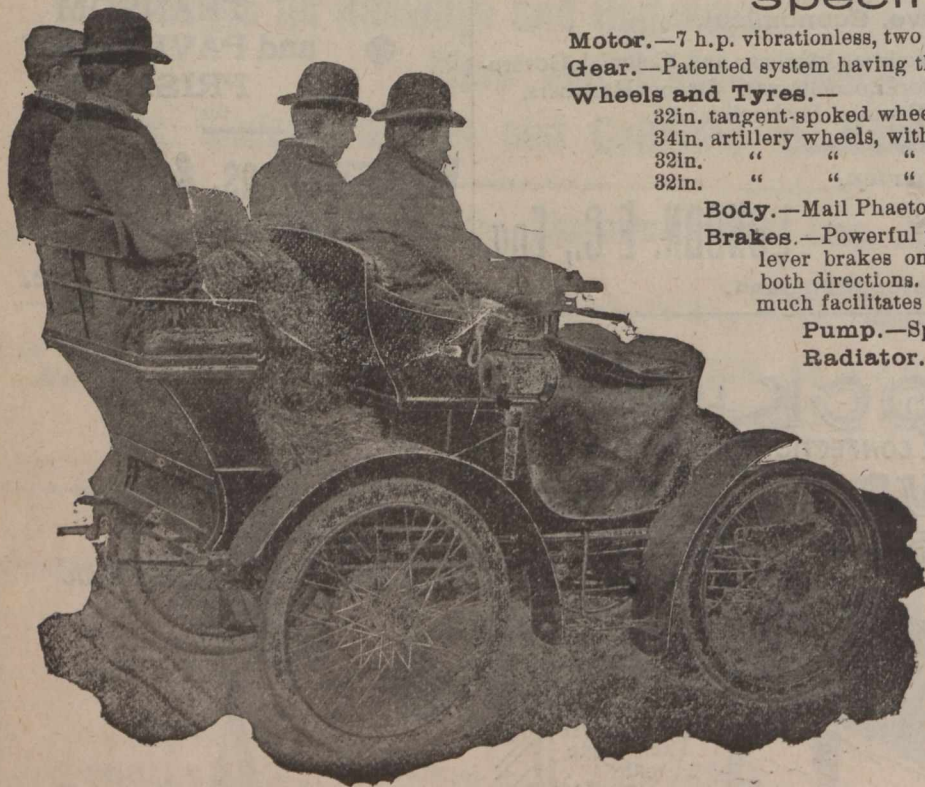
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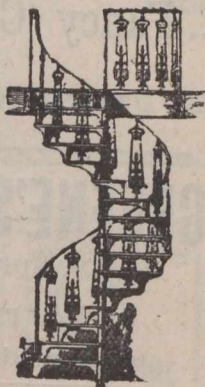
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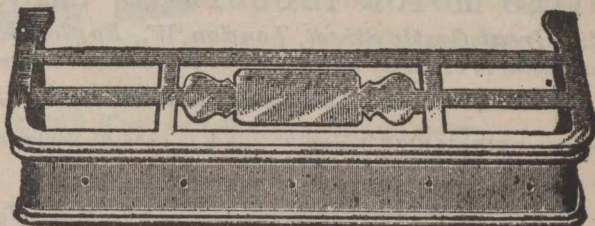
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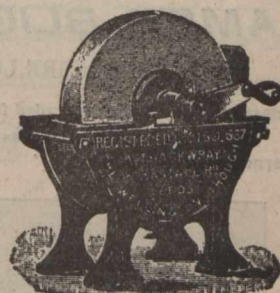
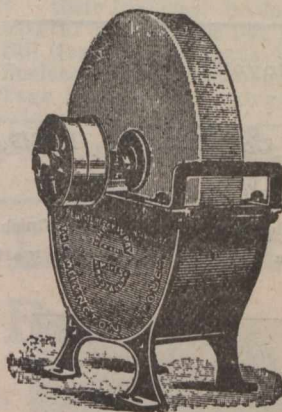
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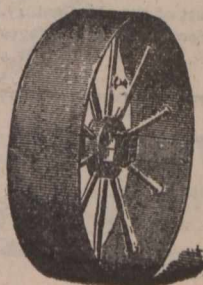


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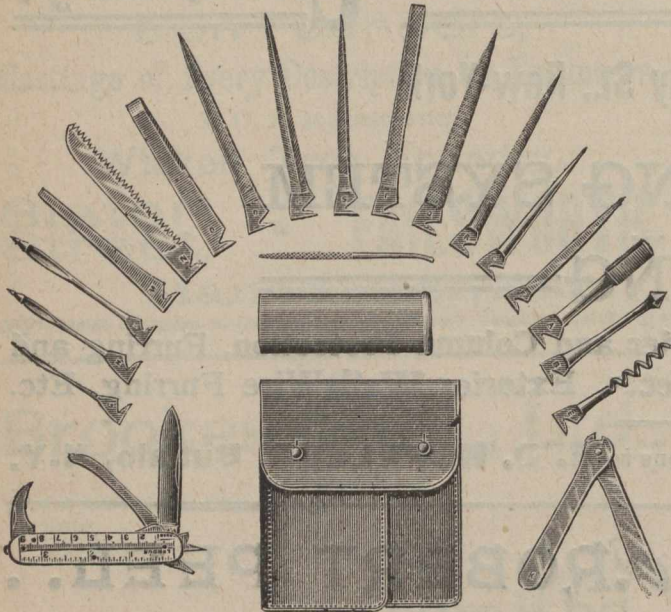


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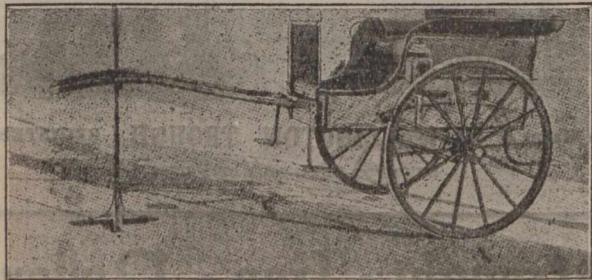
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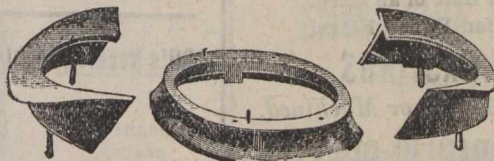
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Special price to Canadians under the New Tariff.

JOHN PEACE & SONS, Algoma Works, Sheffield, England

Established over 100 years.

MANUFACTURERS AND MERCHANTS OF SHEFFIELD GOODS.

STEEL.—Best Crucible Cast Steel for Turning and Slotting Tools, Sates, Punches, Dies, and Chisels; also for Masons' Hammers, Chisels, Picks, Quarry and Miners' Drills, &c.; Bessemer and Siemens-Martiz Steel in Bars, Sheets and Strips.

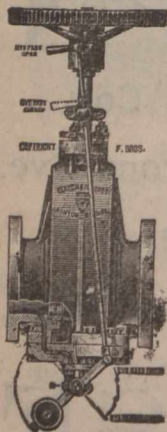
FILES AND RASPS of every description or made to any pattern.
HAMMERS for Engineers, Smiths, Masons, Miners and Quarry Work.
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SHOEMAKERS' Knives, Hammers, Nippers, Rasps and all descriptions of Shoemakers' Tools.

CUTLERY.—Carvers, Table and Dessert Knives, Pen and Pocket Knives, Razors, Scissors, Spoons and Forks.

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NEW STEAM
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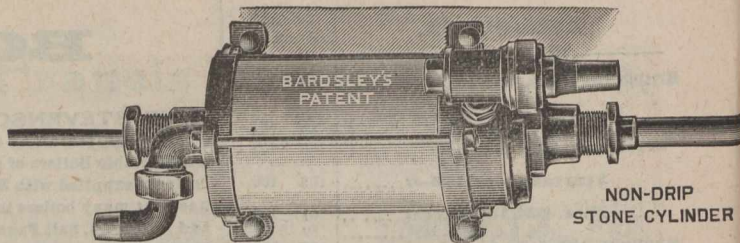
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With Patent Removable Expansive Seatings, Simple Bye-Pass Arrangement.

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

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A GREAT BOON to Publicans and the Public generally.

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

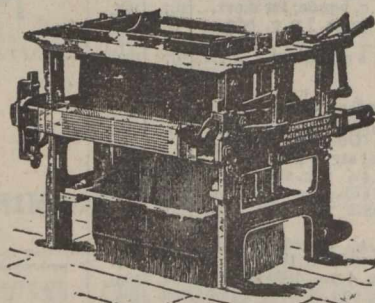
Can be fitted to any Machine.

Write for Particulars.

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400's Needles Double-Lift SINGLE CYLINDER JACQUARD MACHINE



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

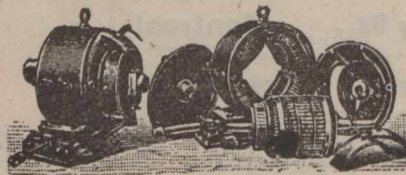
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ELECTRICAL PLANTS FOR
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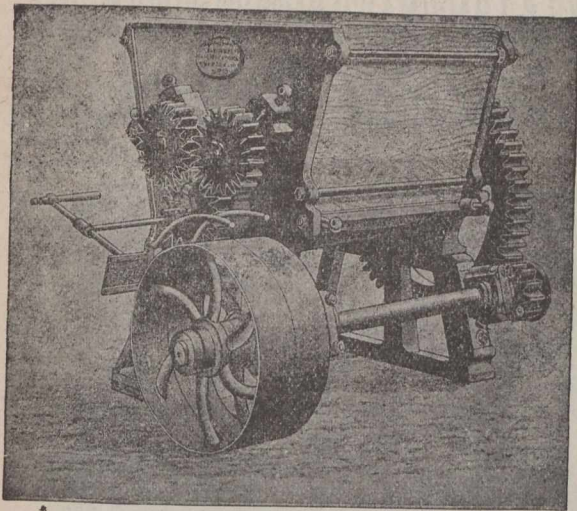
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These Motors are manufactured especially for the Canadian market, under the new preferential tariff, 38½ per cent. in favour in the English market.

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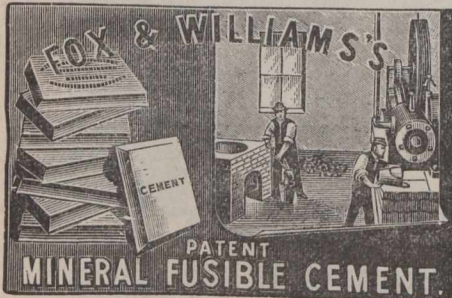
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Sole Maker of JOHN HEALD'S Patented
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(The
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Economical)

It is invaluable when used to secure shaken Walls or Engine Beds,
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**Soft, Stiff and Flexible
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Special attention paid to Packing of Goods for Export.

Made for the Canadian trade under the New Prefer-
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Manufacturer of all kinds of
Extra Strong Gun Metal

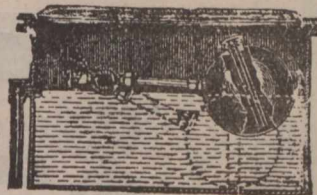
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Syphon Box or Steam Trap

Over 50,000 have been sold.



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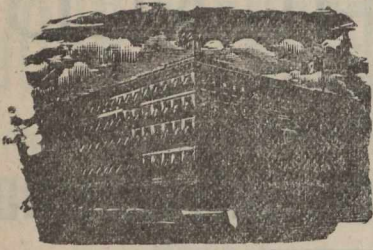
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Leading Hotels in Canada.



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A. Nelson, Proprietor.

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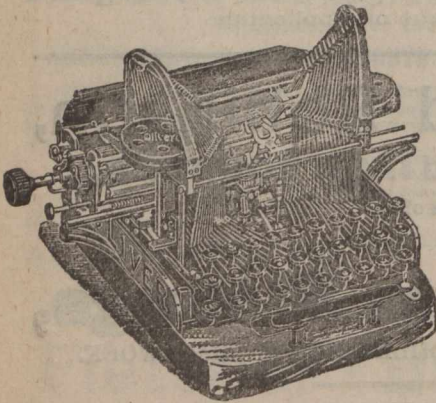
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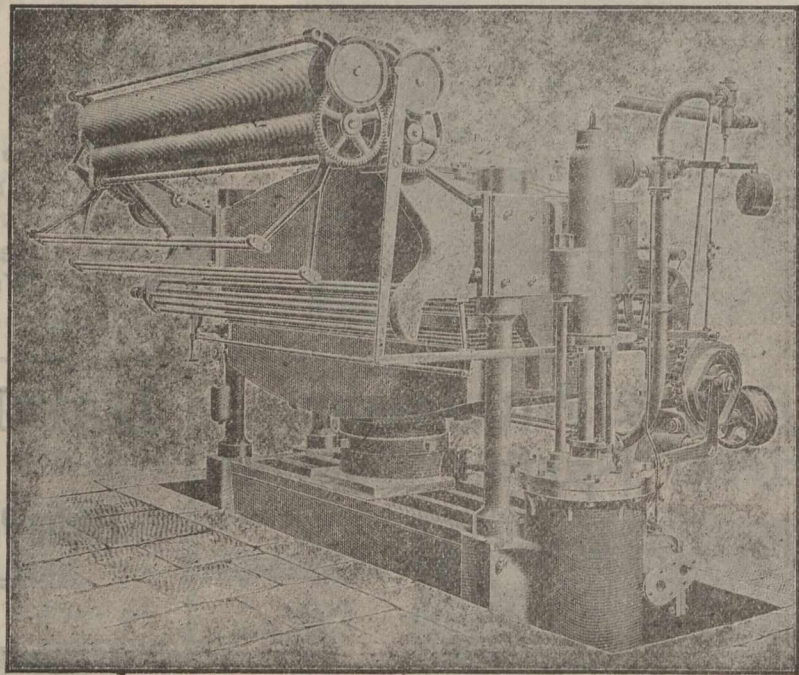
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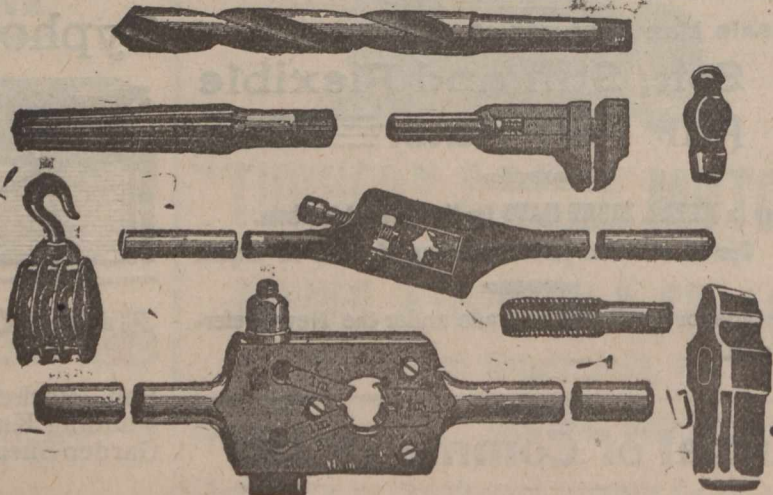
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ATTERCLIFFE,

RELIANCE STEEL WORKS,

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Manufacturers of all kinds of Crucible

CAST STEEL

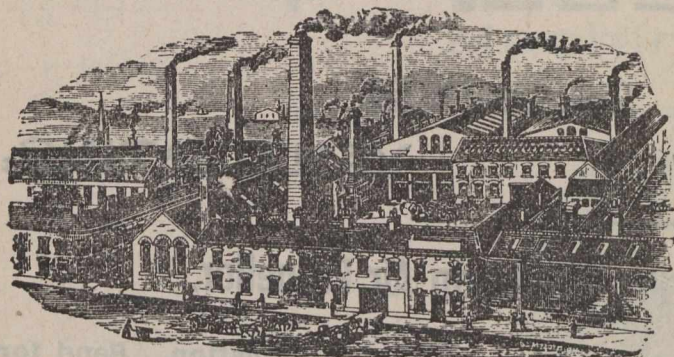
For Engineers, Shipbuilders, Boilermakers and other purposes.

SPECIAL DRILL STEEL

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

TOOL STEEL

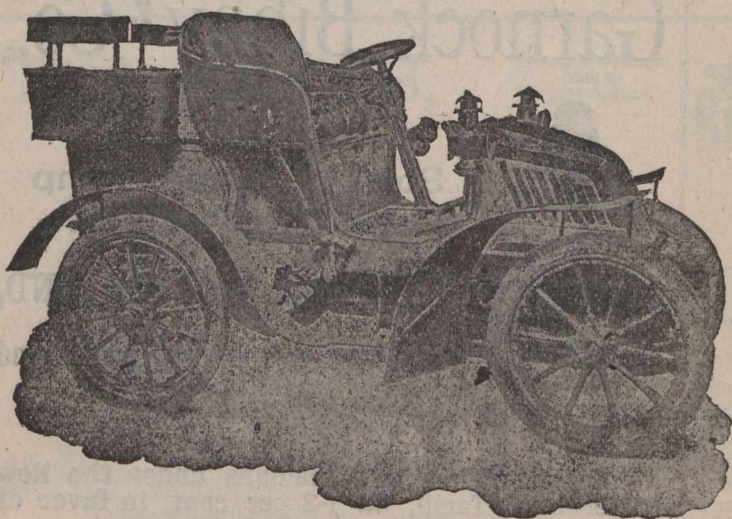
For Turning Chilled Rolls, or any Hard Metals.



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

Special terms to Canadians under the New Tariff.

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Two Cylinders.
12 h.p.
14½ cwts.

No Chains.
No Belts.

Unrivalled Hill
Climber.

Send for par-
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A Reliable and Practically Unbreakable Bicycle Frame.


THE BIRTWISLE HYDRAULIC JOINTING SYNDICATE, LD.,

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Are Prepared to arrange with a Factor
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UNBREAKABLE B.H.J. BICYCLE FRAME.

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Stationery fills the bill.

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Customers realize the ad-
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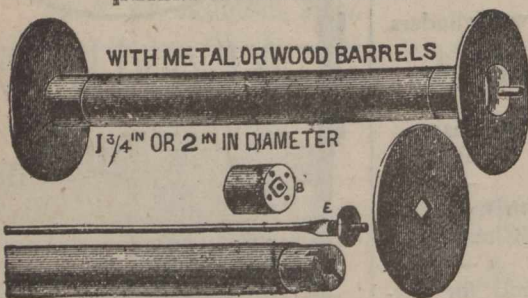
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ESTIMATES for Ventilation, Drying and Cooling given on Application. Send for Illustrated Circular.

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

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STEEL CONVERTERS and REFINERS
Manufacturers
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BEST CAST STEEL

LATHE and Planing Tools, Milling Cutters, Screwing Tackle, Shear Blades, Punching
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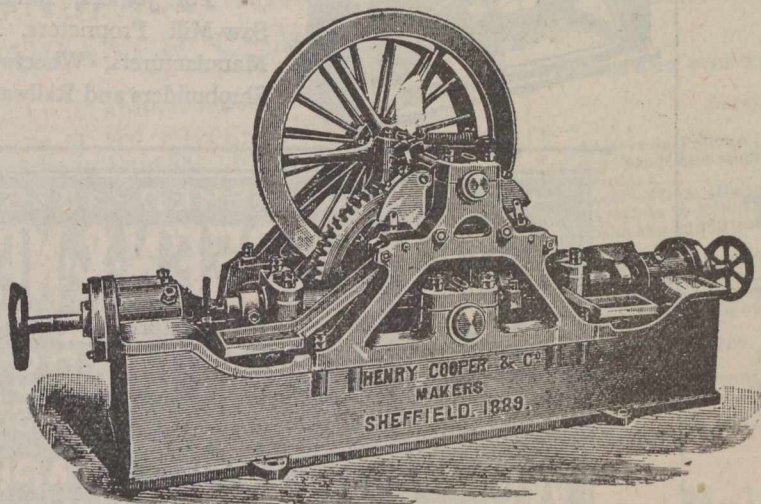
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As Supplied to the Russian and Japanese Governments.



Particulars and Drawings on Application.

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Engine Waste, Sponge Cloths,
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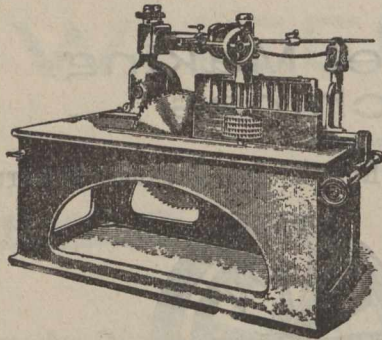
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Wood - Working Machinery



For Joiners, Builders, Cabinet Makers, Saw-Mill Proprietors, Pianoforte and Organ Manufacturers, Wheelwrights, Coachbuilders, Shipbuilders and Railway Wagon Builders, &c.

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MANUFACTURERS OF ALL KINDS OF HAND & STEAM POWER
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Hydraulic and General Engineer.

Accumulators, Steam and Power Pumps, Passenger and Goods Lifts of all descriptions, Hydraulic Presses for all Purposes, Valves, &c.

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The Federal Life ASSURANCE COMPANY.

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Capital and Assets - - - \$2,319,925.58
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MOST DESIRABLE POLICY CONTRACTS.

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has proved by its annual report for 1901, that it is to-day one of the strongest life companies doing business in Canada. Every modern form of policy is issued at the lowest rates consistent with Positive Protection to Policy-Holders.

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 Of Edinburgh, Scotland.

ESTABLISHED 1804.

M. BENNETT, Jr., Gen. Manager North American Branch, Hartford, Conn.
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 Total Assets 34,473,795 | Deposited with Dom. Govt., 135,000
 (Market value.)

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Insurance.

British * America ASSURANCE COMPANY.

HEAD OFFICE, - - - TORONTO,

Incorporated 1833.

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

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

The Mutual Life INSURANCE COMPANY

OF NEW YORK.

RICHARD A. McCURDY, President.

STATEMENT FOR THE YEAR ENDING DEC'EMBER 31st, 1901

Assets, - \$352,838,971.67

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

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

AGENTS WANTED. Apply to

FAYETTE BROWN, Manager, MONTREAL.

(FOUNDED 1825.)

Law Union & Crown Ins. Co.,

(OF LONDON.)

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

Fire risks accepted on most every description of insurable property.

Canadian Head Office: BEAVER HALL, MONTREAL
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Agents Wanted throughout Canada.

POLICYHOLDERS AND AGENTS ALIKE PROFIT BY
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Active men who will become active agents will find it to their interest to represent

THE NORTH AMERICAN LIFE

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

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 Secretary. Managing Director

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

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

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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
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—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
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NEW YORK LIFE

INSURANCE COMPANY.

JOHN A. McCALL, President.

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

AN UNPARALLELED RECORD.

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

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N. B. BR., 12 Prince William St., St. John, N. B.
TORONTO BRANCH, 6 King St., West, Toronto, Ont.
HALIFAX BR., Barrington and Prince Sts.

G. F. JOHNSTON,

AGENCY DIRECTOR,

Company's Building. MONTREAL

J. DUNCAN DAVISON

Imperial Bdg. 107 St. James Street,
Montreal.

COMMISSIONER

For Following Provinces:

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

LIVERPOOL & LONDON & GLOBE

INSURANCE COMPANY.

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

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

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

Canada Board of Directors:

A. F. GAULT, Chairman.
WENTWORTH J. BUCHANAN, Deputy Chairman.
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.

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Esq., Vice President; Frank Haight, Esq., Manager;
John Killer, Esq., Inspector.

CONFEDERATION LIFE ASSOCIATION.

Policies Issued on all Approved Plans.

Cash Values,

Extended Insurance,

Paid up Policies,

GUARANTEED.

W. C. MACDONALD,
Actuary.

J. K. MACDONALD,
Managing Director.

Head Office, - TORONTO.

Montreal Office:

174 ST. JAMES ST.,

Royal - Victoria Life Insurance Co.

OF CANADA

CAPITAL, \$1,000,000.00

Progress in 1901 over Previous Year.

Increase in applications.....	31 p.c.
Increase in insurance issued.....	36 "
Increase in insurance in force.....	27 "
Increase in reserves.....	39 "

Progress to May 31st, 1902.

Increase in applications.....	70 p.c.
Increase in insurance issued.....	63 "

Agents desiring to represent this progressive Life Company with up-to-date plans of Insurance, are invited to communicate with the Head Office, Montreal.

DAVID BURKE, A.I.A., F.S.S.,
General Manager.

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FIRE AND MARINE. Incorporated 1851.

Assets, over \$3,260,000.00
Annual Income, 3,880,000.00

Head Office, - Toronto, Ont.

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C. C. FOSTER, Secretary.

Montreal Branch, - - 189 ST. JAMES STREET.

ROBT. BICKERDIKE, Manager.

ROUTH & CHARLTON, City Agents.

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ASSURANCE CO., LIMITED,

(With which is united the IMPERIAL FIRE OFFICE,
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Capital, \$25,000,000.

Head Office for Canada, - IMPERIAL BUILDING, MONTREAL.

P. M. WICKHAM,
Manager.

G. R. KEARLEY,
Asst. Manager.

NATIONAL ASSURANCE COMPANY OF IRELAND.

ESTABLISHED 1822.

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H. M. LAMBERT, - MANAGER.

B. S. & W. WHITELEY

Press
Paper
Manufacturers,

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ENGLAND.

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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.

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