

The Linde British Refrigerator Co., Ltd.
 801 ST. JAMES ST., MONTREAL.
 Sole Manufacturers
 Cold-Air-Circulation System.

Over 3,200 Machines Sold.
 Special Machines for DAIRIES, BUTCHERS, Etc.
 WRITE FOR INFORMATION.

1901

THE CANADIAN
JOURNAL OF COMMERCE
 FINANCE AND INSURANCE REVIEW.

Vol. 54. No. 16.
 NEW SERIES.

MONTREAL, FRIDAY, APRIL 18, 1902.

M. S. FOLEY,
 EDITOR AND PROPRIETOR

McINTYRE SON & Co.,

MONTREAL.

IMPORTERS of DRY GOODS.

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

18 VICTORIA SQUARE.

McArthur, Corneille & Co.

310 to 316 St. Paul Street

AND

147 to 151 Commissioners St.,

MONTREAL.

Manufacturers and Importers of

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

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

AGENTS FOR

BERLIN ANILINE CO.,

Berlin, Germany.

Manufacturers of Aniline, Colors and
 other Coal Tar Products

**AGENCY
 WANTED**

An old established (1828) and
 highly respectable House in the

PROVISION TRADE,

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

Address, in first instance,
 "PRODUCE," care

LEE & NIGHTINGALE,
 LIVERPOOL, Eng.

X The following Brands
 Manufactured by X

THE American Tobacco Co.

OF CANADA, Limited,

Are sold by all the Leading Wholesale
 Houses

OUT TOBACCOES.

Old Chum,
 Seal of North Carolina,
 Old Gold.

CIGARETTES

Richmond Straight Cut,
 Sweet Caporal,
 Athlete, Derby.

X X

**MARK FISHER SONS
 AND COMPANY,**

Merchant Tailors and

Woolen Buyers

will find our Stock replete with all the
 Latest Novelties selected in the Home
 and Foreign Markets.

We have never shown a more extensive
 line of

STAPLE WOOLLENS

than we are doing at present.

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

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

ROOFING AND ASPHALTING

OF EVERY DESCRIPTION.

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

CANADIAN AGENTS:

Boston Hot Blast Heating, and Pneu-
 matic System of conveying Mill Stock.

GEO. W. REED & CO.,
 MONTREAL.

**Destructors and
 Boiler Furnaces.**

HORSFALL DESTROYER CO.,
 Ltd.,

LEEDS, England.

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

**BLACK DIAMOND
 FILE WORKS.**

Est. 1863.

Inc. 1895.



HIGHEST AWARDS at TWELVE
 International Expositions.

SPECIAL PRIZE,
 GOLD MEDAL;
 AT ATLANTA, 1895.

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

JAMES CORISTINE & CO.,
 Limited.

Manufacturers and
 Importers of

**HATS
 CAPS
 AND FURS**

MONTREAL.

The Chartered Banks.

The Chartered Banks.

The Chartered Banks.

THE BANK OF BRITISH NORTH AMERICA.

Established in 1836.
Incorporated by Royal Charter in 1840.
Paid-up Capital, - - - - - \$1,000,000 stg.
Reserve Fund, - - - - - 364,266 stg.

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

Secretary A. G. Wallis.
Head Office in Canada, St. James street,
Montreal
H. STIKEMAN, General Manager.
J. ELSMSLY, Inspector.

BRANCHES IN CANADA:
London, Ont., Quebec, Ashcroft, B. C.
Brantford, Halifax, N.S., Athol,
Hamilton, St. John, N.B., Greenwood,
Toronto, Fredericton, Victoria,
Kingston, Yukon District, Vancouver,
Midland, Dawson City, Rossland,
Ottawa, Winnipeg, Man. Kaslo.
Montreal, Que., Brandon.

DRAFTS ON SOUTH AFRICA MAY BE OBTAINED AT THE BANK'S BRANCHES.
Agents in the United States.
New York (62 Wall St.)—W. Lawson and J. C. Welsh, Agents.
San Francisco (127 Sansome Street)—H. M. J. McMichael and J. R. Ambrose, Agents.

London Bankers—The Bank of England and Messrs. Glyn & Co.
Foreign Agents—Liverpool—Bank of Liverpool.
Scotland—National Bank of Scotland, Limited, and branches.
Ireland—Provincial Bank of Ireland, Limited, and branches; National Bank, Limited, and branches.
Australia—Union Bank of Australia.
New Zealand—Union Bank of Australia.
India, China and Japan—Mercantile Bank of India, Limited.
West Indies—Colonial Bank. Paris—Messrs. Marcuard, Krauss et Cie. Lyons—Credit Lyonnais.
Issue Circular Notes for Travellers, available in all parts of the world.

THE MOLSONS BANK.

Incorporated by Act of Parliament, 1855.

HEAD OFFICE: MONTREAL.

Paid-up Capital, - - - - - \$2,500,000
Reserve Fund, - - - - - 2,150,060

BOARD OF DIRECTORS:

Wm. Molson Macpherson, - President.
S. H. Ewing, - - - - - Vice-President.
W. M. Ramsay, Samuel Finley, J. P. Cleghorn,
H. Markland Molson, Lt.-Col. F. C. Henshaw.
JAMES ELLIOT, General Manager.

A. D. Durnford, Chief Inspector and Superintendent of Branches; W. H. Draper, Inspector.
H. Lockwood, W. W. L. Chipman, Asst. Inspectors.

BRANCHES:

Alvinston, Ont. Meaford, Ont. Sorel, P.Q.
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, Jc. "
Chesterville, Ont. Ottawa, " Trenton, "
Clinton, " Owen Sound, " Vancouver, B. C.
Exeter, " Port Arthur, " Victoria, B. C.
Fraserville, Que. Quebec, P.Q., " Victoriaville, Q.
Hamilton, Ont. Revelstoke, Waterloo, Ont.
Hensall, " Station, B.C. Winnipeg, Man.
Kingsville, " Ridgetown, Ont. Woodstock, Ont.
Knowlton, Que. Simcoe, " "
London, Ont. Smith's Falls, Ont.

AGENTS IN EUROPE:

London—Parr's Bank, Ltd.; Messrs. Chaplin; Milne, Grenfell & Co., Ltd.
Liverpool—The Bank of Liverpool, Limited.
Ireland—Munster and Leinster Bank, Ltd.
France—Societe Generale, Credit Lyonnais.
Germany—Deutsche Bank.
Belgium—Antwerp—La Banque d'Anvers.
China and Japan—Hong Kong and Shanghai Banking Corporation.

IN UNITED STATES:

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

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

THE ROYAL BANK OF CANADA.

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

BOARD OF DIRECTORS:

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

HEAD OFFICE: HALIFAX, N.S.

E. L. Pease, General Manager (Office of the General Manager, Montreal); W. B. Torrance, Supt. of Branches, Montreal; W. F. Brock, Inspector, Montreal.

Antigonish, N.S. Newcastle, N.B.
Bathurst, N.B. Ottawa, Ont.
Bridgewater, N.S. Pictou, N.S.
Caraquet, N.B. Port Hawkesbury, N.S.
Charlottetown, P.E.I. Rexton, N.B.
Dalhousie, N.B. Rossland, B.C.
Dorchester, N.B. Sackville, N.B.
Fredericton, N.B. St. John, N.B.
Grand Forks, B.C. Shubenacadie, N.S.
Guysboro, N.S. St. John's, Nfld.
Halifax, N.S. Summerside, P.E.I.
Londonderry, N.S. Sydney, C.B.
Louisburg, C.B. Truro, N.S.
Lunenburg, N.S. Vancouver, B.C.
Matland, N.S. Vancouver, East End, B.C.
Moncton, N.B. Victoria, B.C.
Montreal, Que. Westmount, P.Q.
Montreal, West End. Weymouth, N.S.
Nanaimo, B.C. Woodstock, N.B.
Nelson, B.C.

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

CORRESPONDENTS:

Great Britain, Bank of Scotland. France, Credit Lyonnais. Germany, Deutsche Bank. Spain, Credit Lyonnais. China and Japan, Hong Kong & Shanghai Banking Corporation. New York, Chase National Bank. Boston, National Shawmut Bank, Chicago, Illinois Trust and Savings Bank. San Francisco, Nevada National Bank. Portland, Ore., First National Bank. Seattle, Washington National 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. Glynn, Mills, Currie & Co. New York—Bank of New York, N.B.A. Boston—Globe National Bank. Montreal—Bank of Montreal. St. John, N.B.—Bank of Montreal.
Drafts issued on any branch of the Bank of Montreal.

THE WESTERN BANK OF CANADA.

HEAD OFFICE: OSHAWA, ONT.

Capital Authorized, - - - - - \$1,000,000
Capital Subscribed, - - - - - 500,000
Capital Paid-up, - - - - - 401,200
Reserve, - - - - - 150,000

BOARD OF DIRECTORS:

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

THE ONTARIO BANK.

Capital subscribed - - - - - \$1,500,000.00
Capital Paid-up - - - - - 1,893,000.00
Rest - - - - - 280,000.00
Profit and Loss Account - - - - - 10,996.04

HEAD OFFICE: TORONTO.

DIRECTORS:

G. R. R. Cockburn, Esq., - - - - - President.
Donald Mackay, Esq., - - - - - Vice-President.
Hon. J. C. Aikins, - - - - - R. D. Perry, Esq.,
A. S. Irving, Esq., Hon. R. Harcourt, R. Grass,
CHARLES MCGILL, - - - - - General Manager.

BRANCHES:

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

AGENTS:

London, Eng.—Parr's Bank, Limited.
France and Europe—Credit Lyonnais.
New York—Fourth National Bank and The Agents Bank of Montreal.
Boston—First National Bank.

BANK OF MONTREAL.

NOTICE is hereby given that a Dividend of FIVE PER CENT. for the current half year, (making a total distribution for the year of Ten per cent.) upon the paid up Capital Stock of this Institution has been declared, and that the same will be PAYABLE at its Banking House in this City, and at its Branches, on and after MONDAY the Second DAY OF JUNE next.

The TRANSFER BOOKS will be closed from the 17th to the 31st of May next, both days inclusive.

The Annual General Meeting of the shareholders will be held at the Banking House, of the Institution on Monday, the Second day of June next. The chair to be taken at One o'clock.

By order of the Board,

E. S. CLOUSTON,
General Manager.

Montreal, 11th April, 1902.

THE BANK OF TORONTO.

INCORPORATED 1855.

HEAD OFFICE: TORONTO, CANADA.

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

DIRECTORS:

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

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

BRANCHES:

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

BANKERS:

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

The Chartered Banks.

THE CANADIAN BANK OF COMMERCE

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

DIRECTORS:
HON. GEO. A. COX, President.
ROBERT KILGOUR, Esq., Vice-President.
Jas. Crathern, Esq., W. B. Hamilton, Esq.,
John Hoskin, Esq., K.C., LL.D.,
Matthew Leggat, Esq., J. W. Flavell, Esq.,
Frederic Nicholls, L. Melvin Jones,
A. Kingman, Esq.

B. E. WALKER, General Manager.
J. H. PLUMMER, Ass't General Manager.
A. H. Ireland, Chief Insp'r and Supt. of Branches.

BRANCHES OF THE BANK IN CANADA.

ONTARIO: Simcoe
Ayr Dundas Ottawa Stratford
Barrie Dunnville Paris Strathroy
Belleville Fort Frances Parkhill Toronto
Berlin Galt Peterboro Toronto Jc.
Blenheim Goderich Port Perry Walkerton
Brantford Guelph St. Catharins Walkerville
Chatham Hamilton Sarnia Waterloo
Collingwood London Sit Ste. M'rie Windsor
Dresden Orangeville Seaforth Woodstock

QUEBEC. MONTREAL. YUKON DISTRICT.
Montreal, Winnipeg Dawson, White Horse.

BRITISH COLUMBIA.
Atlin Greenwood, Nelson, Sandon,
Cranbrook, Kamloops, New Westminster, Vancouver
Fernie, Nanaimo, Victoria,

IN GREAT BRITAIN:
London, 60 Lombard St., E.C., S. C. Alexander, Mgr

IN THE UNITED STATES:
New York, San Francisco, Cal.; Portland, Ore.;
Seattle, Wash.; Skagway, Alaska.

Bankers in Great Britain:
The Bank of Scotland, London; Lloyds Bank, Limited; Messrs. Smith Payne & Smiths, London.
Correspondents Abroad: France—Credit Lyonnais, Paris; Messrs. Lazard Freres & Cie., Paris, Germany—Deutsche Bank, Holland—Disconto Maatschappij, Rotterdam, Belgium—J. Mattheu & Fils, Brussels. Mexico—Banco de Londres y Mexico. West Indies—Bank of Nova Scotia, Kingston, Jamaica; Colonial Bank and Branches. Bermuda—Bank of Bermuda, Hamilton. South America—British Bank of South America, London and Brazilian Bank. India, China and Japan—Chartered Bank of India, Australia & China. South Africa—Standard Bank of South Africa, Limited. Bank of Africa, Limited. Australia & New Zealand—Union Bank of Australia, Limited; Bank of Australasia. Honolulu—First National Bank of Hawaii, Bishop & Co.

Traders Bank of Canada

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

Board of Directors:
C. D. Warren, Esq., President.
John Drynan, Esq., Vice-President.

HON. J. R. STRATTON, C. KLOEFFER, Esq. M.P. Toronto.
J. H. BEATTY, Esq., of Thorold.
W. J. SHEPPARD, Waubanshene.

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

BRANCHES:
Arthur, Ont., Guelph, Sarnia,
Aylmer, Hamilton, Sault Ste. Marie,
Beeston, Ingersoll, Strathroy,
Burlington, Leamington, St. Mary's,
Drayton, Newcastle, Sturgeon Falls,
Dutton, North Bay, Sudbury,
Elmira, Orillia, Tilsonburg,
Glencoe, Port Hope, Windsor
Grand Valley, Ridgetown

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

BANQUE D'HOCHELAGA.

Capital Subscribed, - - \$2,000,000
Capital Paid-up, - - - 1,500,000
Reserve Fund, - - - 750,000

DIRECTORS.
F. X. ST. CHARLES, President.
R. BICKERDIKE, M.P.P. Vice-Pres.
Hon. J. D. Rolland, J. A. Vaillancourt, Esq.,
and Alphonse Turcotte, Esq.,
M. J. A. PRENDERGAST, Gen'l Manager
C. A. GIROUX, Assistant Manager
O. E. DORAIS, Inspector

Head Office, Montreal.
BRANCHES—Quebec, P. Q. Vankleek Hill, Ont.
Three Rivers, P. Q. Winnipeg, Man.
Joliette, P. Q. St. Henri, near Montreal
Sorel, P. Q. 1393 St. Catherine "
Valleyfield, P. Q. 1756 "
Louisville, P. Q. 2217 Notre Dame "
Sherbrooke, P. Q. Hochelaga, "

CORRESPONDENTS—Nat'l Park Bank, Nat'l City Bank, Importers & Traders' National Bank, Mchts National Bank, MM. Ladenburg, Thalmann & Co., MM. Heidelbach, Ickelheimer & Co., MM. Kountze Brothers, New York. Third National Bank, International Trust Co., National Bank of Redemption, National Bank of the Commonwealth, Boston. National Live Stock Bank, Illinois Trust and Savings Bank, Chicago. The Clydesdale Bank (Limited), Credit Lyonnais de Paris, Credit Industriel & Commercial, Comptoir National d'Escompte de Paris, London, Eng. Credit Lyonnais, Société Générale, Crédit Industriel & Commercial, Comptoir National d'Escompte de Paris, Paris, France. Credit Lyonnais, Brussels, Belgium. Deutsche Bank, Berlin, Germany. Banque Imp. Royale & 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.....\$1,995,750
RESERVE FUND.....1,500,000

HEAD OFFICE - HAMILTON.

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

AGENCIES:
Beamsville, Hamiota, Man... Plum Coulee, M
Berlin, Indian Hd n.w.t. Port Elgin,
Blyth, Jarvis, Port Rowan,
Brantford, Ont., Listowel, Simcoe,
Brandon, Man. Lucknow, Stonewall M,
Carman, Man. Manitow, Man Southamptn,
Chesley, Milton, Teeswater, P.
Delhi, Mitchell, Toronto.
Dundalk, Moose Jaw, Vancouver, B C.
Dundas, N W.T. Wingham,
Georgetown, Morden, Man. Winkler, Man.
Gorrie, Niagara Falls, Winnipeg, Man.
Grimsbv, Orangeville,
Hagersville, Ont. Owen Sound,
Hamilton, E. End Palmerston,
Hamilton, Pilot Mound.
Barton St Man.

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

American Correspondents:—New York—Fourth National Bk. and Hanover National Bk. Boston—International Trust Co. Buffalo—Marine Bank. Chicago—Union National Bank. Detroit—Detroit National Bank. Kansas City—National Bank of Commerce. St. Louis—National Bank of Commerce.

The Dominion Bank.

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

Thursday, the first day of May next.

The transfer books will be closed from the 19th to the 30th April next, both days inclusive.

The Annual General Meeting of the Shareholders for the election of directors for the ensuing year will be held at the banking house in this city on Wednesday, the 28th day of May next, at the hour of 12 o'clock noon.

By order of the Board.
T. G. BROUGH, Gen. Manager.
Toronto, March 25th, 1902.

Eastern Townships Bank.

(Established 1859.)
Capital Authorized.....\$2,000,000
Capital paid up.....\$1,742,535
Reserve Fund.....1,050,000

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

HEAD OFFICE, SHELBROOKE, Que.
Wm. FARWELL, General Manager.

Branches: Province of Quebec.—Montreal, Waterloo, Cowansville, Rock Island, Costicook, Richmond, Granby, Huntingdon, Bedford, Magog, St. Hyacinthe, Ormstown, Windsor Mills, Province of B. C.—Grand Forks, Phoenix.

Agents in Canada, Bank of Montreal and Branches.

Agents in London, Eng., National Bank of Scotland.

Agents in Boston, National Exchange Bank.

Agents in New York, National Park Bank.

Collections made at all accessible points and remitted.

The BANK OF OTTAWA.

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

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

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

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

AGENTS IN CANADA.—BANK OF MONTREAL

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

The Chartered Banks.

BANK OF NOVA SCOTIA.

INCORPORATED 1882.
Capital Paid-up.....\$2,000,000.00
Reserve Fund.....2,300,000.00

Head Office, - HALIFAX, N.S.

DIRECTORS.
JOHN Y. PAYZANT, President
CHARLES ARCHIBALD, Vice-President
R. L. BORDEN, J. WALTER ALLISON
Geo. S. CAMPBELL, HECTOR MCINNIS.
General Office, - TORONTO, Ont.
H. C. McLEOD, Gen. Manager.
D. WATERS, Chief Insp'r. GEO. SANDERSON, Insp'r.

BRANCHES.
In Nova Scotia—Amherst, Annapolis, Bridgetown, Dartmouth, Digby, Glace Bay, Halifax, Kentville, Liverpool, New Glasgow, North Sydney, Oxford, Pictou, Pugwash, Stellarton, Westville, Yarmouth.

In New Brunswick—Campbellton, Chatham, Fredericton, Moncton, Newcastle, Port Elgin, St. John, St. Stephen, St. Andrews (sub. to St. Stephen), Sussex, Woodstock.

In P. E. Island—Charlottetown and Summerside, In Quebec—Montreal and Paspébiac.

In Ontario—Arnprior, Berlin, Ottawa, Toronto. In Manitoba—Winnipeg.

In Newfoundland—St. John's and Harbor Grace In West Indies—Kingston, Jamaica.

In United States—Boston, Mass.; Chicago.

THE QUEBEC BANK.

HEAD OFFICE, - - - QUEBEC
Founded 1818 Incorporated 1822.
CAPITAL AUTHORIZED - - - \$3,000,000
PAID-UP - - - 2,500,000
REST - - - 700,000

DIRECTORS:
JOHN BRAKEY, President.
JOHN T. ROSS, Vice-President.
Gaspard Lemoine, W. A. Marsh, Vesey Boswell,
F. Billingsley, Edson Fitch.
THOMAS McDUGALL, Gen. Manager.

Branches.
Quebec, St. Peter St. Thorold, Ont.
do Upper Town. Three Rivers, Que.
do St. Roch. Toronto, Ont.
Montreal, St. James St. Shawanigan Falls, Q.
do St. Catherine St. E. St. George, Beauce, Q.
Ottawa, Ont. St. Henry, Que.
Thetford Mines, Que. Victoriaville, Que.
Pembroke Ont. Agents.
London, Eng., Bank of Scotland,
Boston, National Bk. of the Republic.
New York, U.S.A. Agts. Bk. of Brit. North Amer.
do Hanover National Bank.

HALIFAX BANKING CO

Incorporated 1872.
Capital Paid-Up, \$600,000
Reserve Fund, 500,000

HEAD OFFICE, .. HALIFAX, N.S.
DIRECTORS:
ROBIE UNIACKE, President.
C. W. ANDERSON, Vice-President.
JOHN MACNAB, W. J. G. THOMSON, W. N. WICKWIRE
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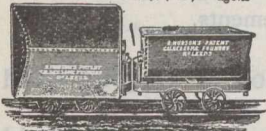
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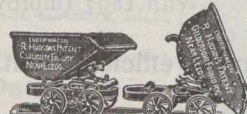
69—R. H.'s Patent 6-Ton Steel Double Side Tip Wagon, to work with ordinary Fly Wagons



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



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



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



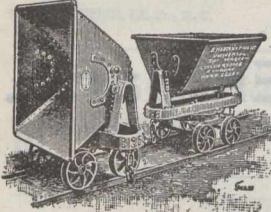
76—Hand Trolley, made to carry any weight or to suit any rail gauge.



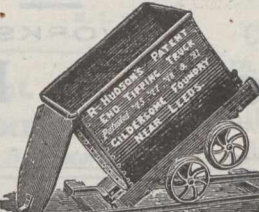
70—R.H.'s Patent Steel Mining Wagon



43—R. H.'s Patent Railway. No Rails, Rivets, or Loose Parts. Will last ten times as long as the ordinary kind. Guaranteed fit through any factory



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



1—R. H.'s Patent Steel End Tip Wagon



40—Turnout, with Fixed Point



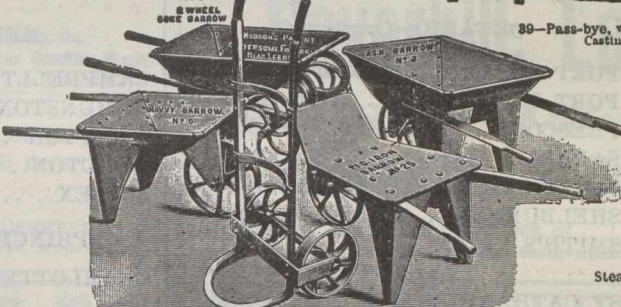
39—Pass-by, with Fixed Points Castings only



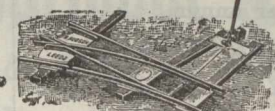
17—R. H.'s Patent Self-contained ball Bearing Turntable, dispensing with Lubrication and Masonry Foundations



27—Hopper Wagon, with Slide Door



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



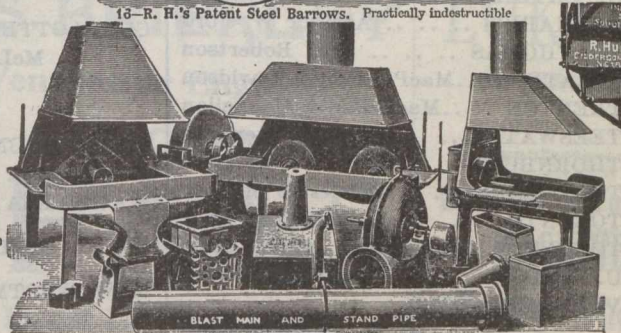
10—Left-hand Steel Points & Crossing



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



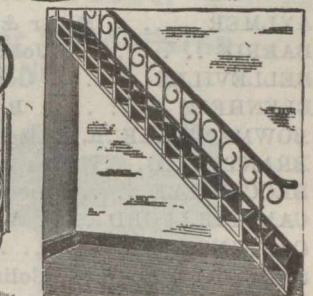
69—R. H.'s Improved Steel Hopper Wagon with Slide Door



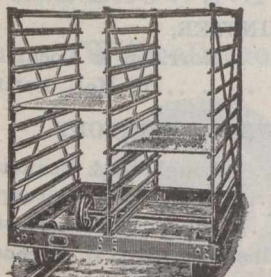
6—R. H.'s Patent Iron Smith's Hearths. No Brickwork required



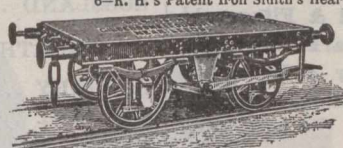
Steamship Barrow. Drawing V 10



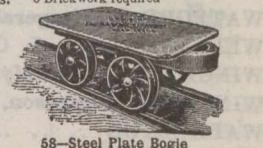
41—R. H.'s Patent Steel Staircases. Extremely light



68—Cake Drying Wagon



56—10-Ton Platform Railway Wagon



58—Steel Plate Bogie



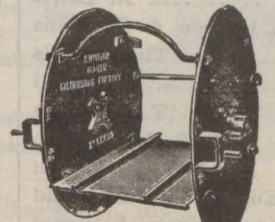
71—R. H.'s Improved Steel Tank Cart. 200 Gallons capacity



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



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



78—Tippler for Mining Wagons



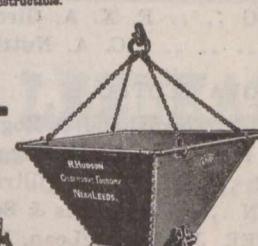
15—R. H.'s Improved Steel Cage, with Safety Grippers and Fallers complete



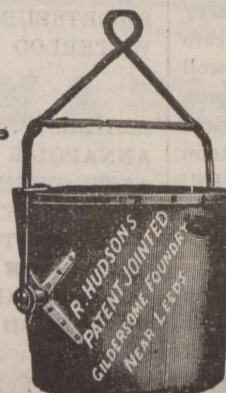
60—Bogie Wagon, with Swivel Fork for carrying Long Balks



70—Foundry Fettling Box



57—Steel Coal Box with Drop Bottom



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



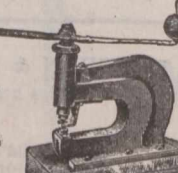
61—Rope Bucket, with Safety Chain for Wire Rope Transfers



63—Mining Sibble with a sliding Valve in bottom



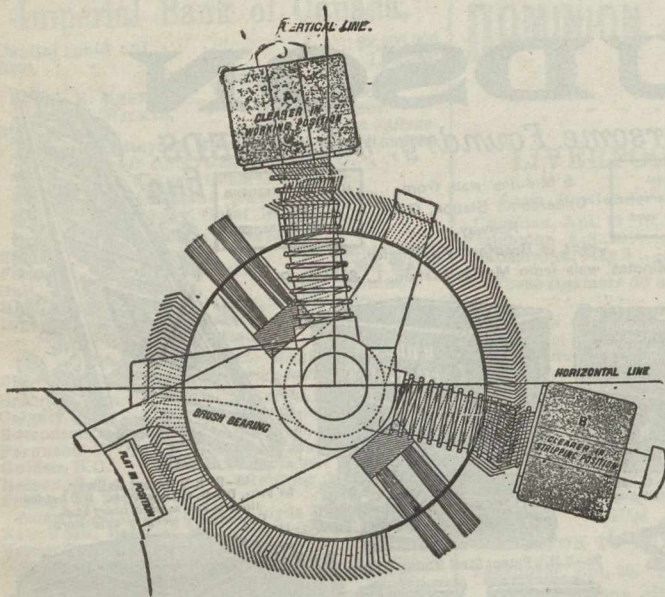
4—Purson Coal Wagon



33—Fly Punch



55—Foundry Ladle



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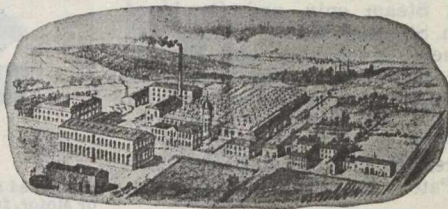
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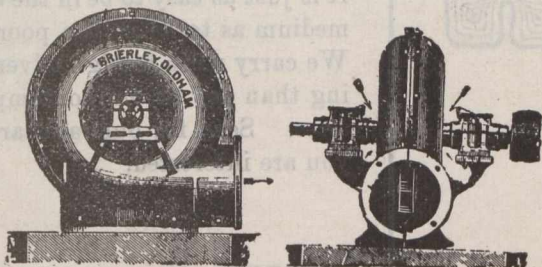
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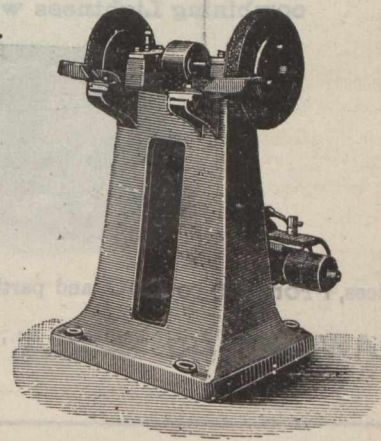
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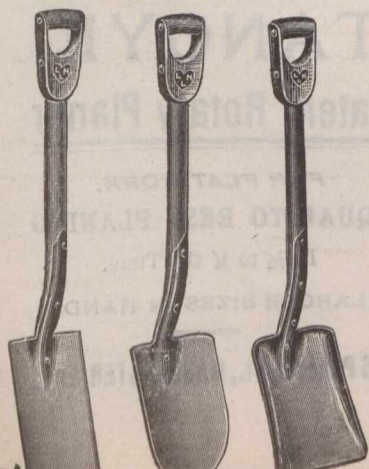
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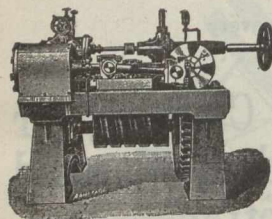
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Newcastle-on-Tyne, England.

Patentees and Makers.

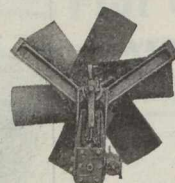
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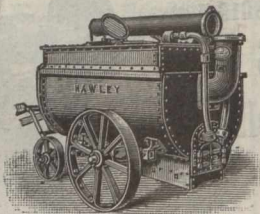
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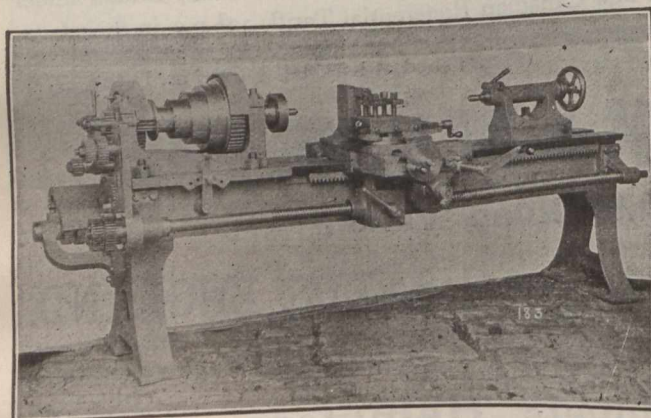


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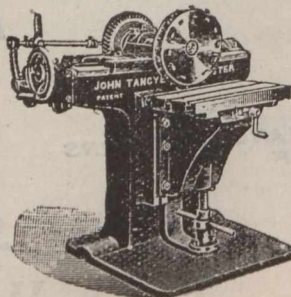
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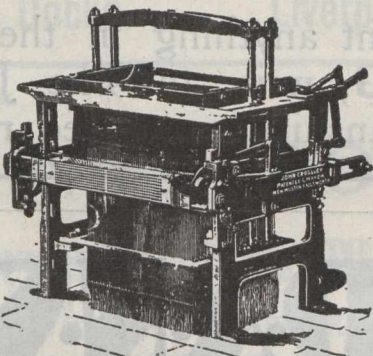
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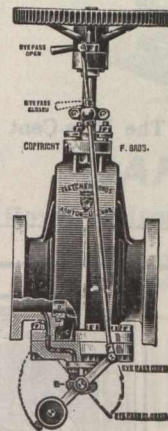
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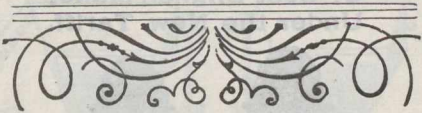
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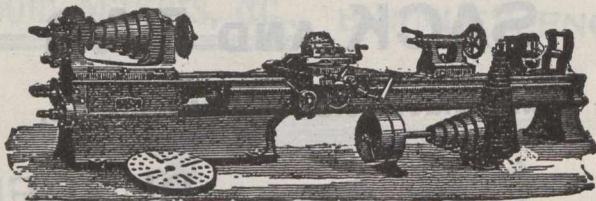
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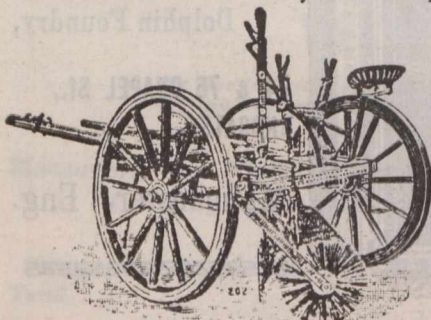
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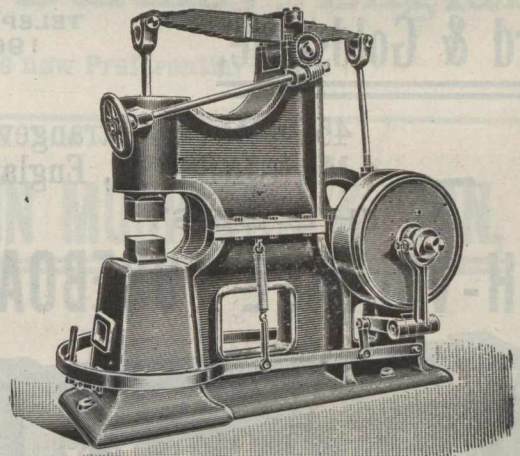
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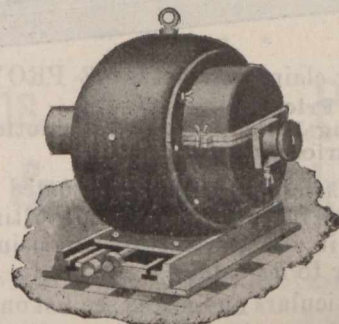
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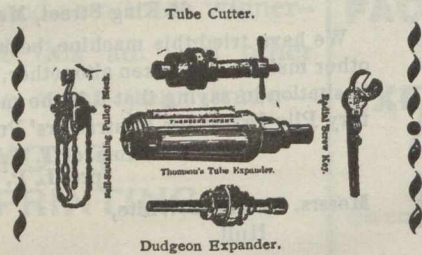
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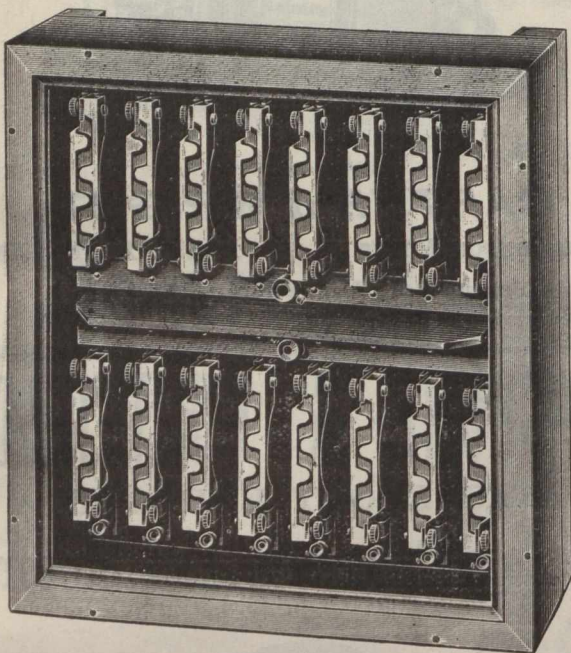
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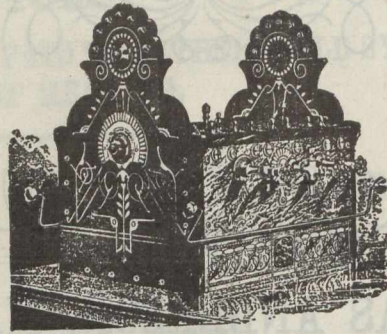
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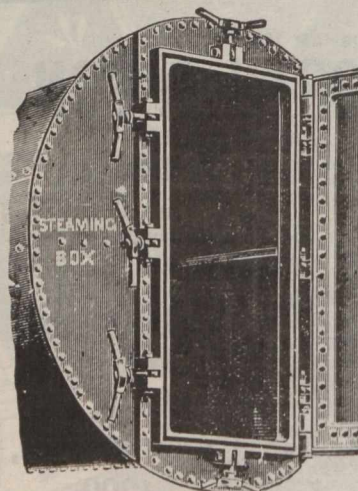
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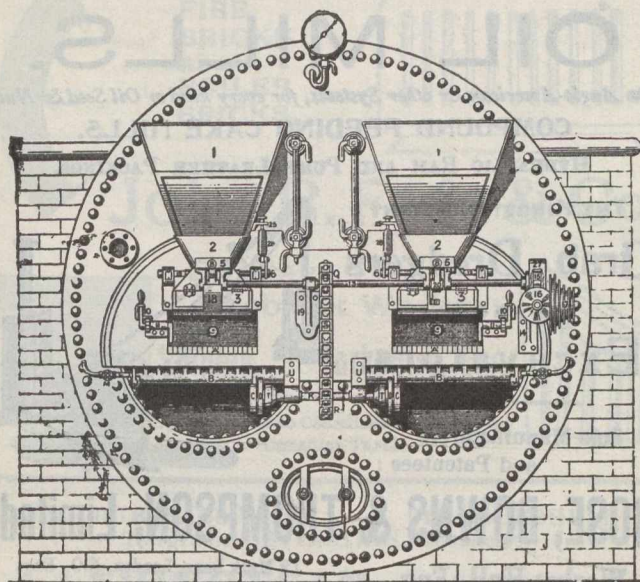
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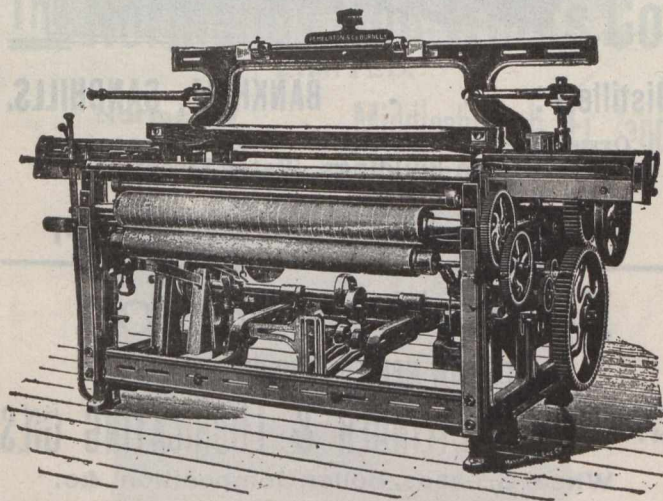
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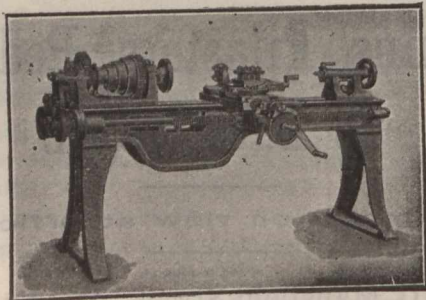
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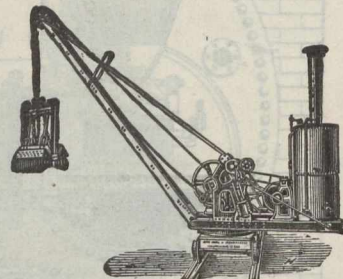
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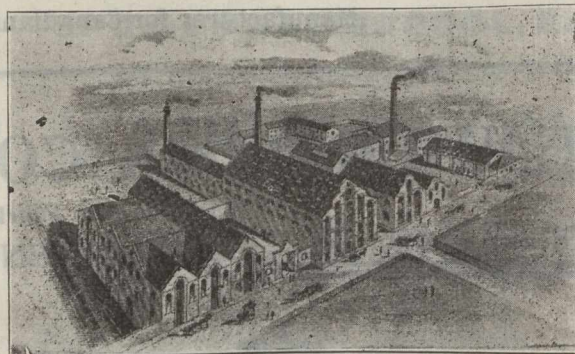
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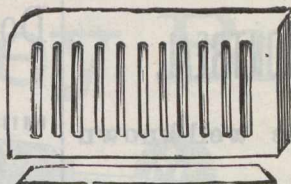
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ROPE MAKER,

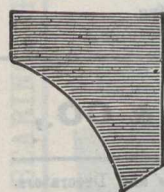
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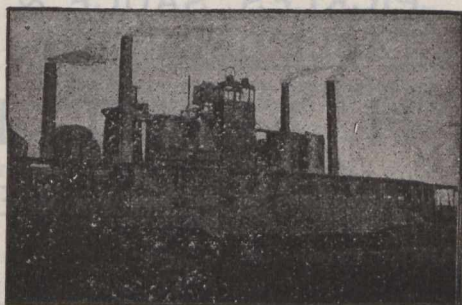
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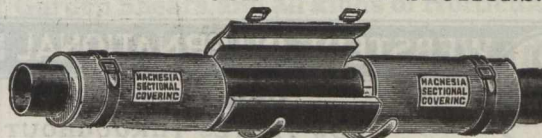
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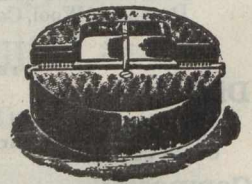
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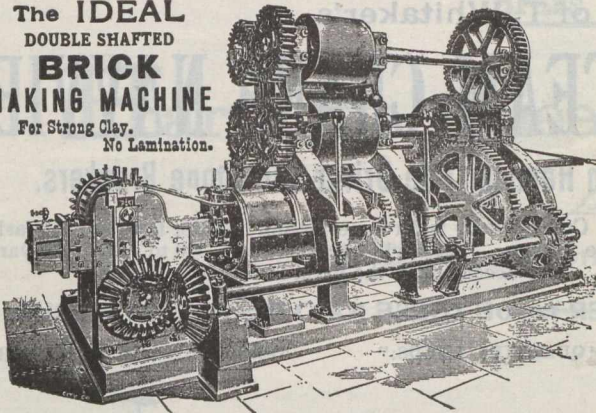
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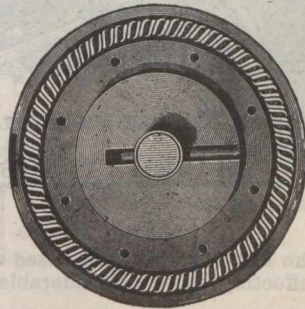
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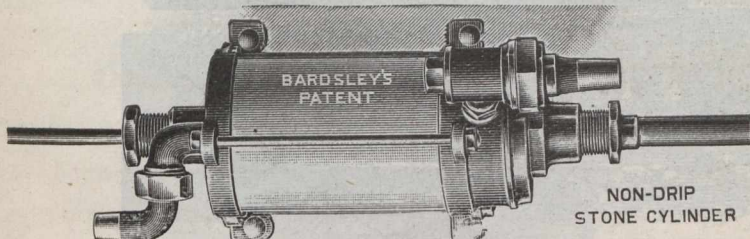
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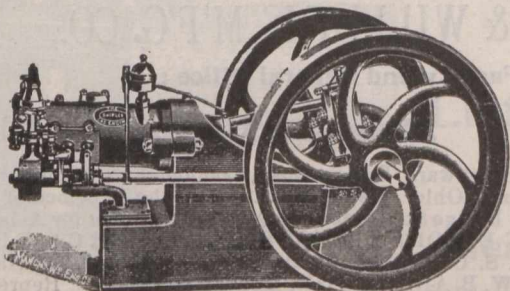
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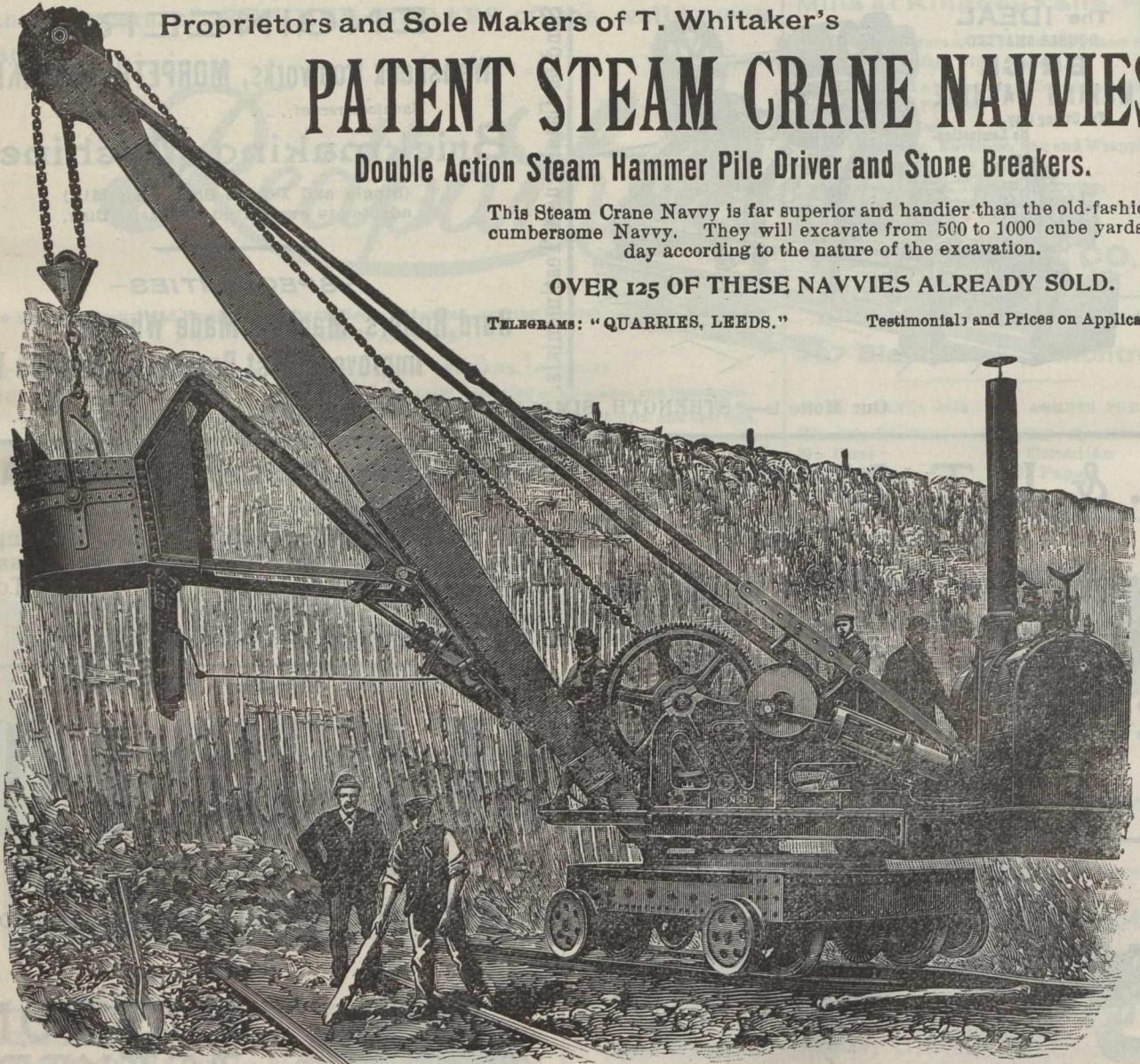
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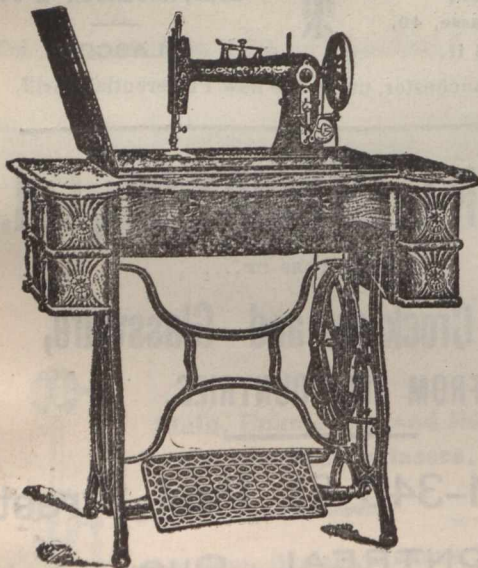
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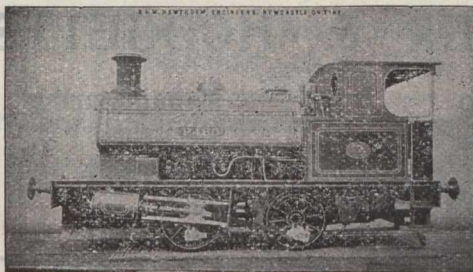
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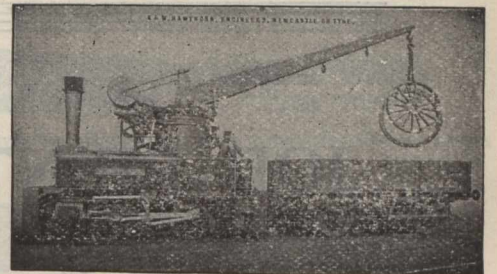


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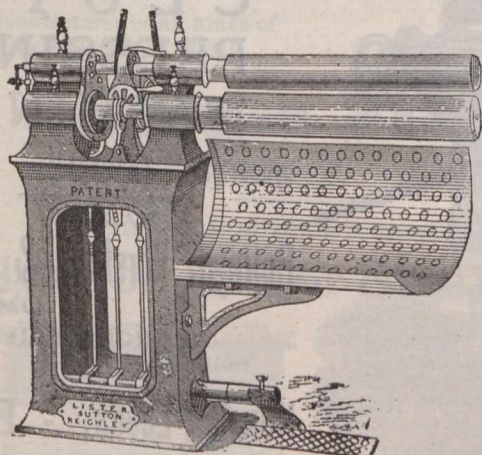
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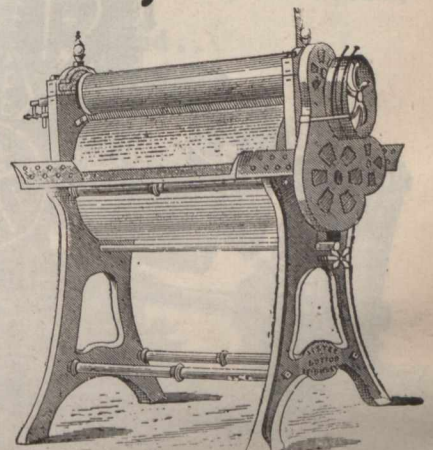
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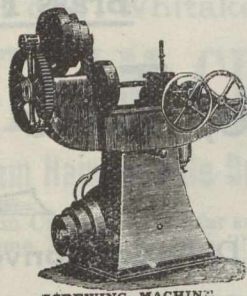
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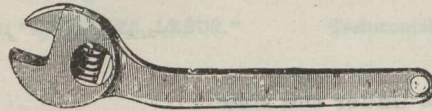
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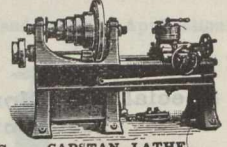


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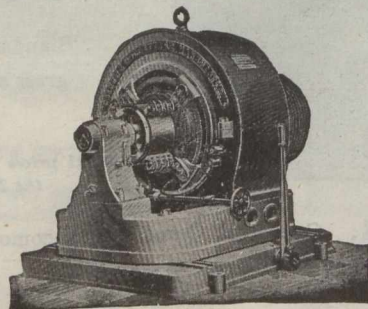
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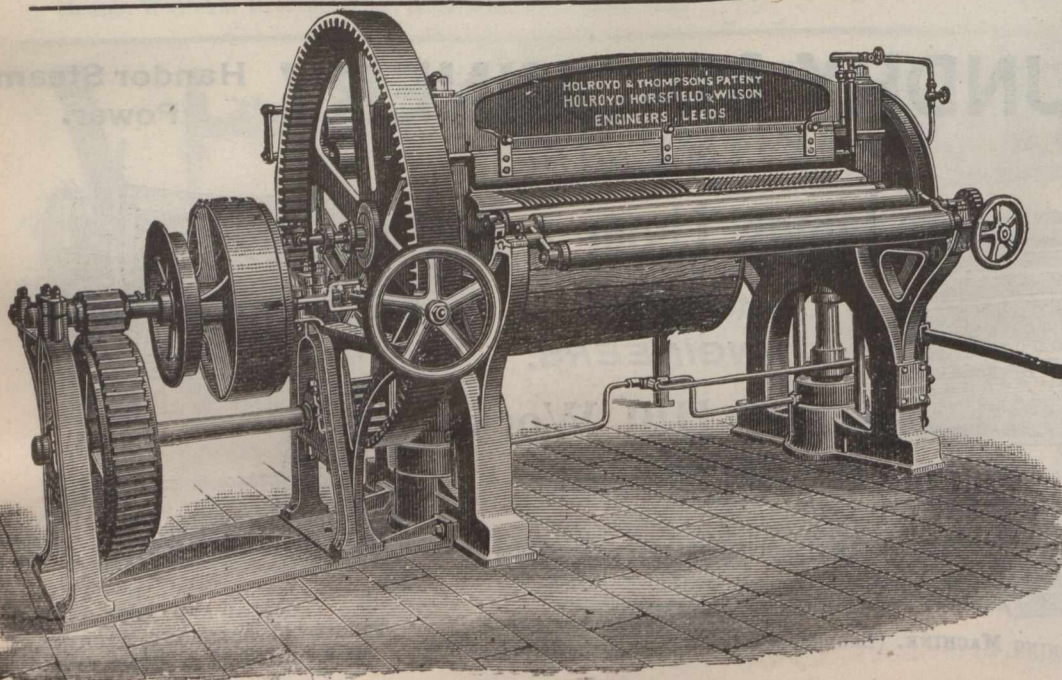
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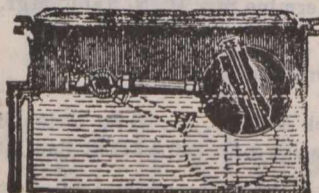
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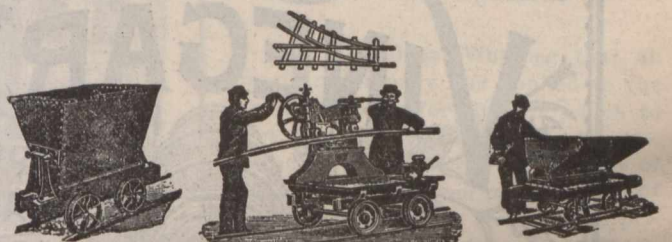
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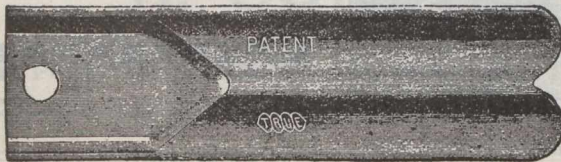
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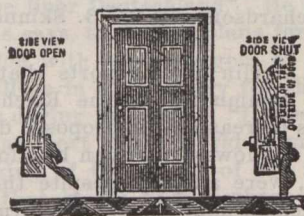


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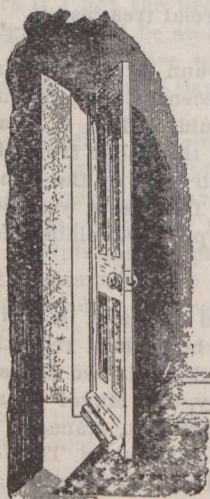
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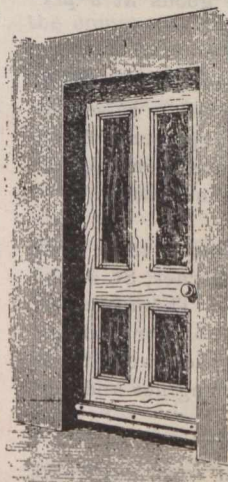
Easy to Fix. Easy to Remove.
Lowest Price. Quickest Sale.

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

BEST DISCOUNT TO THE TRADE.



Door with Preventer, OPEN.



Door with Preventer, SHUT.

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

Commercial Summary.

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

—The general traffic agent of the
C.P.R. at Winnipeg has notified the
grain trade that the C.P.R. will re-
ceive wheat for shipment to Fort Wil-
liam from all points in the west.

—It is officially stated that the an-
nouncement that the Dominion Govern-
ment has decided to grant a bonus of
\$150,000 on arsenic is unauthorized. The
Government has not yet considered the
matter.

—It is stated at London, Ont., that
Mr. John White will bring his new roll-
ing mills from Guelph to the former
city. It is anticipated that the cost
of removing the mills, building the ad-
ditions and putting them into working
order will be \$55,000.

—Prof. Robert Harcourt of the Agri-
cultural College, Guelph, Ont., reported
that arrangements were being rapidly
completed for a test of sugar beets at
Brussels and Markham. About forty
farmers in each place were receiving
the beet seed, and the experiment
would be carefully conducted.

—It is stated at Winnipeg that an
American company has applied to the
Canadian Pacific for sites on which to
erect a number of elevators in Manito-
ba and the Territories. A number of
applications have been made outside of
this for sites for new elevators by pri-
vate companies and private individuals,
but this is a project of larger propor-
tions. It is stated that the Americans
wish to erect as many as 60 elevators
in this country next year, having them
completed before the crop of next fall
is moved.

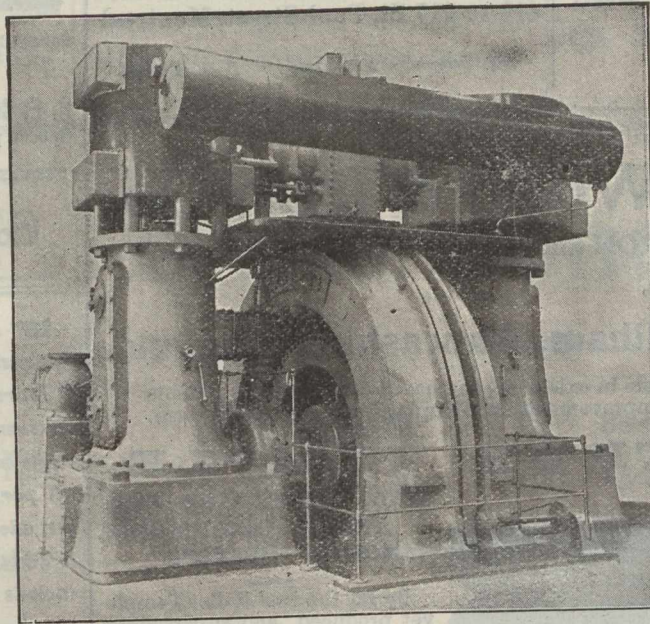
FERRANTI

LIMITED.

Electrical & General Engineers,

Ferranti

Single
and
Multiphase
Alternators.



Engines,
Switchgears,
Rectifiers,
Transformers,
Resistances,
C. C. Meters,
Fuses.

1,200-Kilowatt Ferranti Engine and Alternator.

HOLLINWOOD, LANCASHIRE, Eng.

—The Ontario Government is reported to be about to establish a fish hatchery at London, Ont.

—The London, Ont., Brass Works are about to make an extension to their buildings whereby the present capacity of the factory will be doubled.

—The German Navy Department has made contracts with the Vulcan and Germania shipyards for two battleships, each of 13,000 tons displacement, which shall be ready for service by 1906.

—A Melbourne, Victoria, cable announces that the Tariff Committee of the Federal House of Representatives has fixed the duty on cotton and linen piece goods at 5 per cent. ad valorem.

—The Western Stove Manufacturers' Association, says a Chicago dispatch, at a recent meeting, decided to raise the price of stoves 5 per cent. The association represents forty different concerns. According to the stove men, higher prices for raw material made the increase necessary.

—The Beaver line steamship Lake Superior is to be sold by public auction on April 19, at Crubb's Corner, St. John, N.B. The steamer was built by J. & G. Thompson, of Glasgow, Scotland, for Elder, Dempster & Co., her tonnage being 4,561 tons gross and 2,879 tons net, deadweight capacity about 6,000 tons. She has compound engines and her speed was about 13 knots.

—Judgment was given at Oakville, Ont., some days ago validating the by-law recently defeated, granting a bonus of \$1,000 a year for ten years to a cigar factory. The majority lacked five of the requisite two-thirds of the revised list, but as nine of the persons on the list have died since the preparation of the lists, the judge held that they should not be counted.

—The Kingston, Ont., Board of Trade met recently in annual session, and elected these officers for the ensuing year: — President, John Gaskin; Vice-President, G. Y. Chown; R. J. Carson, secretary-treasurer; F. King, counsel; Messrs. J. Nickelvev, J. Redden, E. J. B. Pense, Ald. W. G. Craig, James Minns, John Hewton, Allan Chadwick, H. Richardson, and W. B. Skinner.

—A Berlin cable reports that at a late session of the tariff commission of the Reichstag the agrarian amendments increasing the proposed duties on cattle and making them the lowest that can be adopted, the same as those on grain, were adopted, despite the warning of General Von Podblelski, minister of agriculture, that such action would prevent the negotiation of new commercial treaties.

—The creditors of Messrs. W. G. Dunn & Co., mustard manufacturers, etc., Hamilton, met recently and appointed Messrs. J. J. Morrison, John G. Gauld, and A. C. Beasley inspectors. An offer of 25 cents in the dollar from Mr. Dunn was refused. The inspectors will wind up the estate unless a satisfactory offer be made. The assets were \$6,187 and liabilities, \$16,585, including preferred claims for \$1,017.

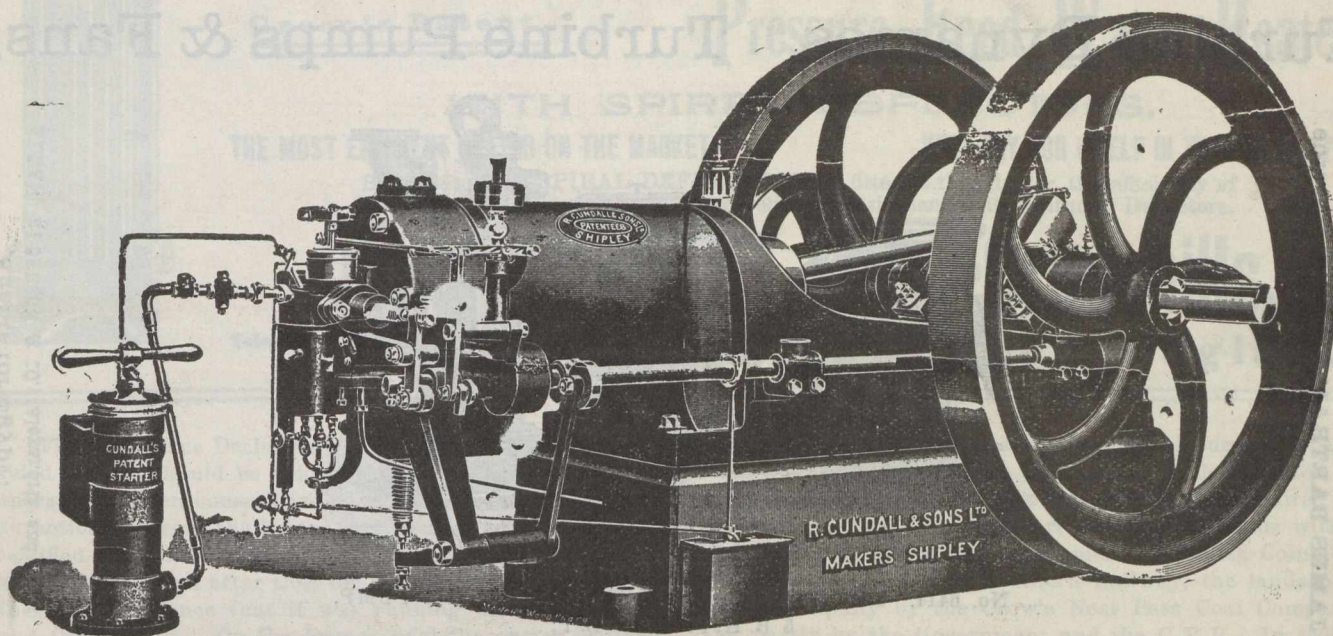
—Hull, Que., will soon have a board of trade, in active operation, a meeting to that purpose being held recently. Messrs. Catelli and Harris, of Montreal, explained the advantages of a board of trade to a city, and Mayor Falardeau, ex-Mayor Barrette, Mr. S. Wainwright, manager of the Bank of Ottawa, also spoke of the advantages. The following officers were elected: President, Ex-Mayor Barrette; vice-president, S. C. Wainwright; secretary, F. A. Labelle; treasurer, F. X. Boucher.

—The Orillia Packet says:—The Secretary of the Board of Trade has received word that the resolutions in favor of free trade within the empire and of reduced newspaper

Contractors to H. M. Government.

Telegrams: "CUNDALL, SHIPLEY."

The "CUNDALL" PATENT OIL ENGINES Are the Simplest Engines Running.



Economical, Reliable, Easily Managed and Safe. Makers of the Largest Oil Engines in the World.

R. CUNDALL & SONS, Limited

Best Power for FARM, DAIRY, WOOD CUTTING, MINING, &c.

SHIPLEY, ENGLAND.

postage between Great Britain and Canada have been passed by the Boards of Trade at Goderich, Guelph, Vernon, B.C., and Brandon, Manitoba. Montreal Board of Trade has taken up the newspaper resolution, and is giving it strong support. In acknowledging receipt of this resolution, Hon. Wm. Mulock intimates that he is ready for the reform asked whenever the Imperial Government will consent.

—A. S. Dumot, builder and navigator of airships, arrived at New York recently, on the liner Deutschland. He has come to the United States, he says, to discuss plans for an exhibition of aerial navigation with the managers of the St. Louis Exposition, and will be in the country for three weeks. He will do no flying during this visit. "I hope to see New York the principal air port of the world before I pass away," he said, in talking of the future of the airship, "I have no doubt but that in my time, perhaps ten years if I get the proper encouragement and help, aerial navigation will be an accomplished fact. I have no doubt but that I will live to see passengers transported by airships across the Atlantic from New York to Paris."

—According to figures prepared by the City Treasurer, the increase in receipts of the Toronto Street Railway during the month of March as compared with the corresponding month last year is over \$15,500. A statement giving the receipts for the past six years shows that the earnings of the company have increased about 100 per cent. during that period. The receipts and city's percentages are as follows:

	Gross receipts.	Per-centage.
March, 1902	\$141,765.00	\$11,341.20
" 1901	125,192.63	10,015.41
" 1900	117,782.50	9,422.60
" 1899	103,076.92	8,246.15
" 1898	92,375.38	7,390.03
" 1897	79,334.07	6,346.72
" 1896	74,409.75	5,952.78

—Trade Troubles.—A large failure is reported from British Columbia, S. Fader Company, Limited, grocers, having assigned. The liabilities will be in the neighborhood of \$40,000.—The assignment of Wm. Adair & Co., general merchants, of Parry Sound, Ont., has been transferred to R. Osler Wade of Toronto. The liabilities are placed at \$7,000, and the assets at \$3,000. There is a stock valued at \$15,000, but this is in possession of D. W. Ross, under an agreement between himself and the insolvents. There is still a balance said to be due Mr. Ross of around \$9,000.—The bankrupt stock of Lindsay Bros., dry goods, St. Thomas, valued at \$33,375, has been bought in by Mr. Lindsay at 65 cents in the dollar. He will continue the business.

—Petrolea, Ont, advices state that Messrs. J. D. & R. D. Noble have been successful in forming a new oil company in England with a capital of \$500,000. The company is to be called Canadian Oil Fields, Limited, and it is understood the company have closed the purchase of considerable oil property in which the above are interested, and that the company intend to drill a number of oil wells this spring and purchase more oil property for cash this summer. The introduction of English capital for the purpose of producing more crude oil, the report adds, will be a great advantage to the present oil refiners, both here and at Sarnia, as they are complaining now about not being able to get sufficient crude oil for their requirements. There is plenty of crude oil here, in this district alone, to supply the Dominion of Canada. All that is wanted is the introduction of more capital to thoroughly develop the Lambton oil region. The introduction of foreign capital has been held back for many years in consequence of the frequent agitation at Ottawa on the oil question, but the firm stand taken by the present Government on the tariff has given greater confidence.

—Casualty Insurance Decisions.—An accident policy gave the insurer the right to cancel it by a written notice and

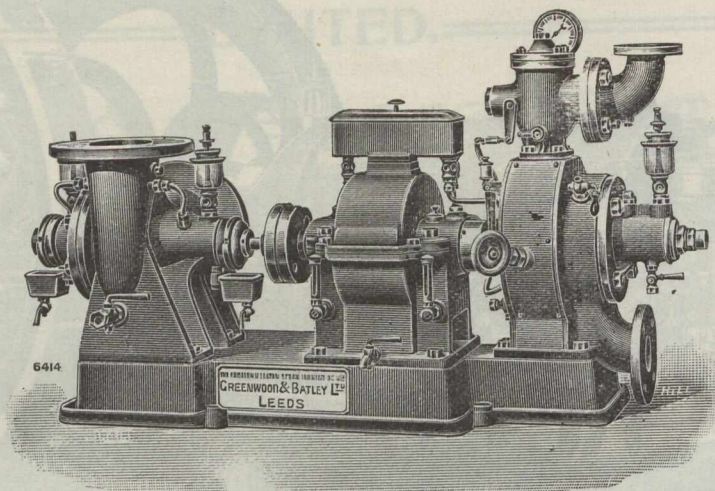
Machines in use, 2402

HP. 71,786.

Made from 1½ to 300 HP.

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

Agents for Australasia:
JAMES BARTRAM & SON, Melbourne.



No. 6414. DE LAVAL PATENT STEAM TURBINE PUMP,
5 B. H. P. TYPE B. P.

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

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

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

SOLE SELLING AGENTS:

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

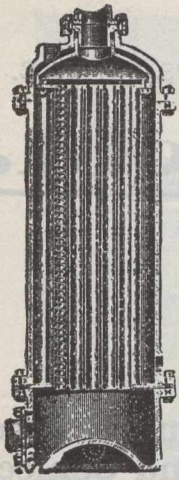
To whom all Communications should be Addressed,

the return of the membership fee. Held, that on the illegal cancellation for an alleged failure to pay an assessment levied the measure of damages is only the membership fee. *Clifford vs. Protective Life Ass'n*, 73 N.Y. Supp. 467.—A contract by a mutual accident insurance company reciting that, in consideration of the full annual premium, the company selected the insured as one of 500 special policyholders to participate in a special renewal dividend on all insurance written during certain years—the dividends to be credited on his ensuing premiums—is void, as conferring unequal rights on the selected members. *Robison vs. Wolf*, 62 N. . Rep. (Ind. App.) 74.—Where a policy provided that it insured against loss from liability to any person accidentally sustaining bodily injuries while traveling on the railroad under circumstances which would impose on the insured a common law or statutory liability for such injuries, it did not indemnify the insured against a loss sustained by reason of a person being instantly killed without conscious suffering. *Worcester & S. St. Ry. Co. vs. Travelers' Ins. Co.*, 62 N. E. Rep. (Mass.) 364.

—Eastern Townships, Que., Notes.—A Board of Trade has been organized at Richmond, with Mr. W. L. Ball as president; Mr. J. D. Smith, vice-president; and Mr. E. F. Cleveland, secretary. The board has named several committees to divide up the work.—Last Thursday the rate-payers of the township of Granby voted on a resolution of the council authorizing the imposition of a money tax for road work instead of statute labor. The election excited a good deal of interest and a large vote was polled. The proposal was defeated by over three to one. Granby rate-payers will thus go on working out their road tax in the old way.—Mr. H. J. Allen, formerly proprietor of the West Bolton Creamery, has purchased the Cowansville creamery.—Cowansville's electric light plant is undergoing repairs and meanwhile the town is in darkness. The merchants complain that their business is suffering.—There is apparently one town in the Townships from which its growing sons do not shake the dust. There are nine firms in the town

in which father and son are associated in business, and there are five other firms in which the son has succeeded the father.—The board of the St. Francis Bridge, representing the municipalities of the town of Richmond, the village of Melbourne, and the townships of Melbourne, and Brompton, has called for tenders for the construction of the new bridge. It will have one pier on Carnie's island, with a steel superstructure of two spans, of 375 feet each. Tenders will be opened on the 30th April.

—Life Pointers from the Press.—Do not try to please everybody. Remember the fable? But if you can please the life agent by signing an application you will find it pleasing to yourself, and in the event of your demise it will surely please your wife and family to feel that you had provided for them.—The man who laughs has the best of the bargain unless he laughs because he has "once more got rid of the insurance agent." He then gets the worst of it. He may never know it, but his family will.—The wife's burden is hard enough when the husband is by to help, but with him away it is much harder. Will you leave her to struggle under it when to provide against it is so easy? Be a man, and get a policy without delay, while you may.—Changeable weather? Yes—but quite seasonable. Be careful of yourself. Many a death has been caused by thoughtless action during April. Get insured. That will be the best point gained.—The best speeches are the shortest. When the life agent next addresses you make a little speech, and say "yes." Your family will furnish the applause.—The will of Cecil Rhodes is a very liberal one and Andrew Carnegie is a doing a pile of good; but life insurance surpasses both, and anything and everything else you can mention or imagine, or that can ever exist. — Cast your bread upon the waters in the form of a twenty-year endowment. It will come back, perhaps to-morrow, or in a month or a year. That period only Providence can determine. But it will come in twenty years. That is as certain as anything on earth can possibly be.



The "Airedale" Exhaust Steam

Special prices to Canadians
under the New Tariff. . .

Green's Patent.

Pressure Feed Water Heater.

WITH SPIRAL DEFLECTORS.

THE MOST EFFICIENT HEATER ON THE MARKET.

WILL PAY FOR ITSELF IN TWELVE MONTHS.

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

JOHN BARRETT, Eastburn Foundry Crosshills,

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

KEIGHLEY, England.

—Fire Insurance Decisions.—A policy on a creamery provided that it should be void if the creamery ceased to be operated for ten consecutive days. On a former trial in an action thereon, the owner and several other witnesses testified that the creamery was shut down in September, and was only used after that for the storage of butter, and there was evidence that it was running on November 28 and December 2. On the former trial the owner testified that he visited the creamery three times during the fall, going on the train on two occasions, and driving with his son on the other. On the trial of the present suit the owner testified that he visited the creamery thirteen times, his son driving him there each time, and that the creamery was in operation on most occasions when he was there. Held, that the evidence was not sufficient to authorize the submission of the question whether the creamery was idle for more than ten days to the jury, and a direction of verdict for defendant was proper. *Cronin et al. vs. Fire Ass'n of Philadelphia*, 86 N.W. Rep. (Mich.) 1028.—Forfeiture of a policy of insurance is waived when the insurer, being informed of the facts on which the forfeiture is based, thereafter continues to treat the contract as binding, and induces the insured to act in that belief. *Hartford Fire Ins. Co. vs. Landfare et al*, 88 N.W. Rep. (Neb.) 779.—The allegation of an incumbrance on the property in answer in an action on a fire insurance policy is not admitted by the allegation in reply that "the defendant was at all times in said petition and answer named fully advised of the facts set out in the answer as to the incumbrances on said property, so far as the same are in said answer truly alleged"; and there being also a general denial in the reply, the burden is upon defendant to prove the existence of such incumbrance. *Hartford Fire Ins. Co. vs. Landfare et al*, 88 N.W. Rep. (Neb.) 779.

—The summary report of the Geological Survey Department has been presented to Parliament. The director, in accordance with the wishes of Parliament, is required to state his opinion as to what are coal-bearing lands within the areas granted by the Government of British Columbia to the British Columbia Southern Railway, the lands now held principally by the Crow's Nest Pass Coal Company, and partly by the Government and the C.P.R. In 1900 a topographical survey of the region was made, and a geological survey of it was also made the same year. The latter survey was continued in 1901, and by the month of October last it was possible to define the coal-bearing lands with sufficient accuracy. These lands consist of two separate areas, the more southern and larger one containing about 230 square miles, or 137,200 acres, and the smaller one, which lies in the Green Hills, at a distance of nearly 30 miles north of the other, containing about 6.75 square miles, or 4,320 acres. There had been rumors of the occurrence of coal elsewhere within the lands belonging to the Canadian Pacific Railway Company, but on investigation these were not confirmed. It was reported that in a total section of 4,736 feet, at right angles to the strata, there are no fewer than twenty-two seams of coal, with the enormous aggregate thickness of 216 feet, of which, at least, 100 feet may be considered as workable coal. This section was measured at Morrissey Siding, and it is all above the level of Elk River. The Canadian Pacific Railway Company has had two borings made near their track, south-east of Michel Station. The legs of these borings have been furnished to the department. Both show the existence of numerous seams of coal, and these have been corrected by Mr. Leach, with those of the section measured by Mr. McEvoy, at Morrissey Siding. In the portion of the Green Hills coal field, within the railway company's grant, Messrs. Leach and

Contractors to H. M. Government.

HARRAP BROS.,

Manufacturers

Kendal and other Knitting Worsteds,

Fingerings and German Wools, Andalusian
and Soft-Spun Saxony

Sole Makers of the
Celebrated

"PRIMULA" WOOL FOR HOSIERY.

Also Coating Yarns, in Warp and Weft,
in Hank, or in Tubes or Cheeses

Bective Mills, Alverthorpe, - Wakefield, England.

Special terms to Canadians under the New Tariff.

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.

Telegrams and Cablegrams :
"POTASH."

Codes :
A.B.C. 4th Edition. LIEBER'S, PRIVATE.

Tartaric AND Citric Acid.

CREAM OF TARTAR.

SALTPETRE.

Cream of Tartar and Tartaric Acid Substitutes—Specially Manufactured for Baking Powder and Self-raising Flour Makers, Bakers and Confectioners, and Mineral Water Factories.

The Liverpool Chemical Company, Limited,

54 Stanley Street,
LIVERPOOL, Eng.

Specially made for the Canadian Market
under the new Preferential 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.

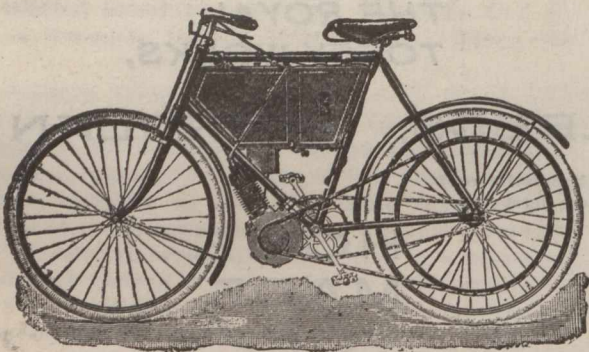
Godley Mills,
and Tower Street Works,

HYDE, Manchester, Eng.

ESTABLISHED 1887.

Telegrams:—"PNEUMATIC, Leeds."

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



THE IMPERIAL
MOTOR BICYCLE,

MANUFACTURED BY THE

LEEDS MOTOR EXPERTS,

WALKER BROS.,

"PRIMO"
WORKS.

Meanwood Road, LEEDS, Eng.

Dennis measured a section of coal-bearing strata of 3,387 feet, containing twelve seams of coal, having a total thickness of eighty-nine feet. Seven of these seams are of workable size, with an aggregate thickness of seventy-nine feet. The section is not complete, as the rocks are covered up or concealed in many places, leaving room for the occurrence of more seams of coal.

—Maritime Provinces Notes.—The Bank of Nova Scotia has purchased the present offices of the Nova Scotia Steel Company, at Sydney Mines, and will convert them into a banking establishment of their own. This makes the second banking institution for the fast growing little town.—Work on the Nova Scotia Steel Company's new pier at North Sydney is nearing completion, and it will be ready for business by the middle of May. An ore pier will be started at once. The company is also preparing to sink

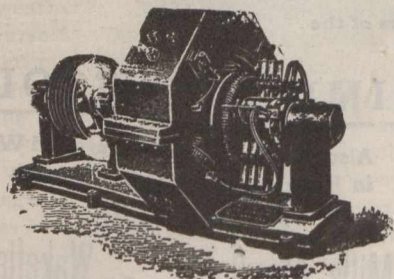
ALFRED SYKES,

ELECTRICAL ENGINEER,

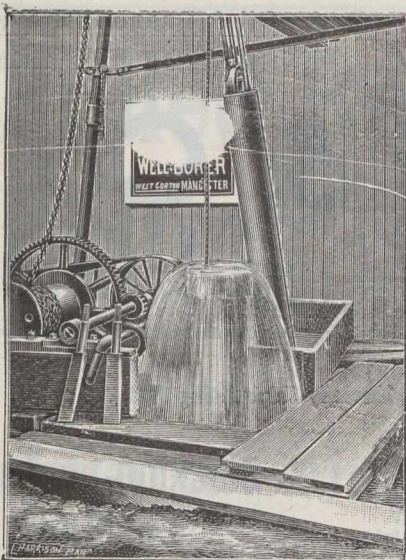
Spring Place Works,

Huddersfield,

ENGLAND.



NOTE—Buy British Dynamos, under the New Canadian Preferential Tariff, 33½ in favour of English Goods.



Telegrams, "ARTESIAN," Manchester.

Telephone No. 1826

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

Artesian Well Borer,

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

Bore-Holes for Oil Water or Minerals.

another shaft near their present workings.—Moose were reported to be increasing in Nova Scotia, at the annual meeting of the Nova Scotia Game and Inland Fishery Protection Society, at Halifax. The following officers were elected for the ensuing year: President, Hon. L. G. Power; vice-presidents, Dr. Tobin, Hon. J. W. Longley; secretary, Geo. Piers; treasurer, H. N. Wallace. Council—J. E. De Wolf, E. C. Cribb (Truro), E. J. Longard, C. R. Kelly, Yarmouth; H. Tremaine, A. O. Pritchard, New Glasgow; Colonel Isaacs, C. S. Harrington, W. G. Jones, J. H. Stairs, Thomas F. A. Tobin, and B. F. Pearson.—Considerable work has been done on Marconi's station at Glace Bay, the foundation of two towers having been laid. It is understood that the first message to be flashed from Cornwall to Cape Breton will be the news of the coronation. The station will be equipped with a dynamo capable of supplying twenty thousand volts.—A fine schooner has been launched from the yard of builder O. A. Ham, at Mahone Bay. As she left her ways she was named Coronation by her captain, William Miller, of Lunenburg. The schooner is owned by Captain Miller and other Lunenburg parties, and will be used in the fishing business. Her dimensions are:—Length of keel, 76 feet; beam, 25 feet; depth of hold, 10 feet 2 inches.

—Consolidations are still the order of the day across the border. A Chicago dispatch reports that the American Hominy Company took over the plants of ten companies in different parts of the West, and will operate them from its general offices, just opened in Chicago. The company was

incorporated recently, with a capitalization of \$2,500,000 common stock, \$1,250,000 preferred and \$1,250,000 bonds. The plants absorbed are as follows: Indianapolis Hominy Mills, Indianapolis, Ind.; Cereal Manufacturing Company, Indianapolis, Ind.; Hamburg Mills, Hamburg, Ia.; St. Jo-

Telegrams: "MOTOR, LEYLAND," ENGLAND.

HIGHEST AWARDS.

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

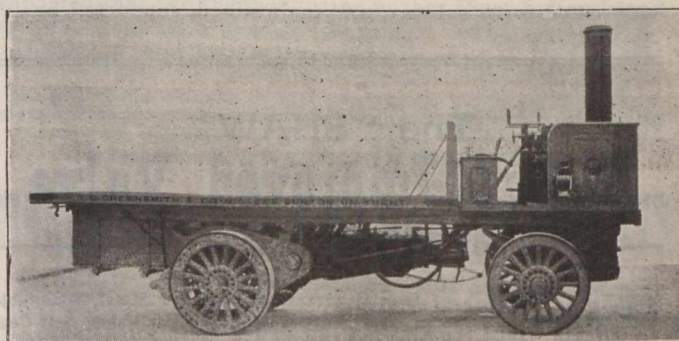
1st Prize, £100, Liverpool Self-Propelled Traffic Association.

Gold Medal, Highest Award,

Liverpool 1900.

Etc., Etc., Etc.

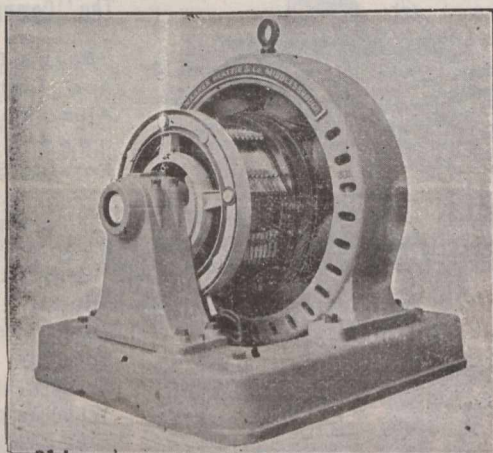
STEAM WAGONS.



The Lancashire Steam Motor Co.,
LEYLAND, ENGLAND.

Special prices to Canadians under the new preferential tariff.

TELEGRAMS:—"Install," Middlesbrough.



30 KILOWATT DYNAMO.

Warren, Beattie & Co, ELECTRIC POWER ENGINEERS.

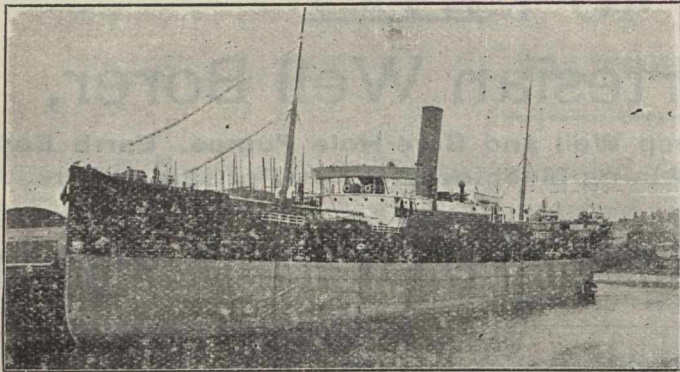
Contractors for Complete Electric Power and Lighting Installations for Mines, Shipyards, Iron and Steel Works, etc., etc.

... MIDDLESBROUGH, England

Telegraphic Address :
 "CRAIG TAYLOR, STOCKTON."

Oil & Passenger Ships,
 Twin Screws, &c.

CRAIG, TAYLOR & Co.,



Shipbuilders, Engineers and Repairers,

Thornaby Shipbuilding Yard,

GRAVING DOCK
 570 Ft. Long.

Stockton-on-Tees,
 England.

Special estimates to Canadians under the New Tariff.

seph, Mo.; Shellabarger Mill & Elevator Company, Decatur, Ill.; Pratt Cereal Mill Company, Decatur, Ill.; Danville Mills, Danville, Ill.; Miami Maize Company, Toledo, O.; Mt. Vernon Mills, Mt. Vernon, Ind.; Hudnut Mills, Terre Haute, Ind.—Forty-five manufacturers of and wholesale dealers in sash, door and window blinds, representing \$12,000,000 capital, are about to enter into a combination to establish a scale of prices on the products of the factories. The interested firms are situated in the larger cities from Pittsburg to the Rocky Mountains. Competition is reported to have caused rate cutting and underbidding to a disastrous extent. A committee, consisting of seven wholesale dealers, is at work "sounding" the biggest sash and door interests in the country. President J. R. Laing, of the Palmer-Fuller Co., said: "Forty-five firms, located in Pittsburg, Cleveland, Chicago, St. Louis, Kansas City, St. Paul, Minneapolis, and other big wholesale cities as far west as the Rocky Mountains, are about to organize for the purpose of establishing and maintaining prices. We are determined to keep the scale of prices where it belongs. Every three or four years conditions get serious in the trade, and now we are going to stop it."

—We learn from Ottawa that the Winnipeg subway case, which was argued a few weeks ago before the Railway Committee of the Privy Council, is a matter in which the union of municipalities have taken an interest. The Canadian Pacific Railway applied for permission to lay tracks in Main street, one of the principal streets in Winnipeg. The city asked for a subway, and maintained, supported by re-

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

MANUFACTURERS of every DESCRIPTION of
Hydraulic & Electric Machinery.

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

Telegraphic Address: "Muskers, Liverpool."

ESTABLISHED 1869.

Bottled Beer and Stout FOR EXPORT.



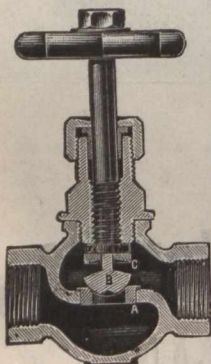
The "Compass" Brand
 Bass & Co.'s Pale
 and Light Bitter
 Ales, and Guin-
 ness's Extra
 Foreign Stout.

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

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

The "SHAW" ..Patent Improved Valve..

FOR STEAM OR WATER



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

The "SHAW" Patent Universal Union Joint

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

JOSEPH SHAW, ALBERT WORKS.
 HUDDERSFIELD, ENGLAND.

Telegrams: "GOVERNOR," Huddersfield,

Supplied under the New Canadian Preferential Tariff.

Fulled Raw Hide Belting AND Laces.

Every Description of **LEATHER** for **Mechanical Purposes.**

Edward Fairburn & Sons,

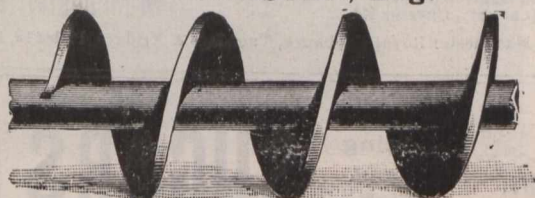
Caldervale Mills, BRIGHOUSE, Eng.

Special Terms to Canadians under the New Canadian Tariff.

representatives from other municipalities, that the Canadian Pacific Railway should pay the cost. The committee decided that it should be a subway, and that the Canadian Pacific Railway should pay two-thirds of the cost, part of this to be borne by the Canadian Northern, after an order had been passed permitting the latter company to use it, and that one-sixth of the cost be paid by the city, and one-sixth by the Street Railway Company. The street in question is 132 feet wide, and the subway will be 100 feet wide. —Winnipeg, April 4.—Mr. White, assistant to the C.P.R. president, interviewed regarding the decision of the Railway Committee on the subway question, said: "Of course as I always said, a 66-foot subway is all that will ever be necessary for the traffic, and I do not see the necessity for one 100 feet wide. The subway will be built on the west side for a roadway to our new station." "Will you soon call for tenders for the construction of the new station?" "Yes, they will probably be called for at once." "Could you state the estimated cost?" "Not at present as it will be necessary to change the plans made for station and hotel combined."

—A Vancouver letter states that the amalgamation of ten iron manufacturing firms in British Columbia has been effected. The concerns are in Victoria, Vancouver, Ladysmith, Nanaimo, and Westminster. The work of the province will be distributed among the different plants, according to ability to handle it. The firms in the amalgamation are the Vancouver Engineering Company, and the Albion Iron Works, Vancouver; the Victoria Machinery and Depot Company; the Andrew Gray Iron Works, the Schaake Iron Works, the Dobson Iron Works, Nanaimo, and the Wilson Iron Works. Chicago capitalists will erect a \$750,000 pulp plant on Prince of Wales Island, near Queen Charlotte Sound, for the manufacturing of pulp for the Oriental market. The island is a square mile in area and thickly wooded with spruce. The Chicago capitalists purchased the island from Vancouver citizens, who secured it without cost from the Provincial Government. The Government decided a year ago to allow anyone to take up spruce limits, on application, who would operate them in two years'

Wrigley's Automatic Conveying Co.
85 Royal Exchange,
MANCHESTER, Eng.



Wrigley's Patent Cast-Iron Worm.

ELEVATORS & CONVEYORS.

For Coal, Coke, Ashes, Grain, Malt
and other Materials.

Special prices to Canadians under the New Tariff.

Card Clothing
of all Kinds.

CHROME and Oak Tanned
Picking Bands....

Single "Cemented" Belting,
Double Belting.
Rubbing Leathers.

time. The result was that vast areas were taken up in this way in hopes that in three or four months they could be disposed of to American manufacturers. The only revenue exacted by the Government is an annual tax of one cent an acre and 25 cents a cord for the wood cut.

—The Grand Trunk Railway Company's report for the half year ended December 31 states that the gross receipts were £2,569,804, and the working expenses, being at the rate of 68.38 per cent., as compared with 67.56 per cent. in 1900; £1,757,154, the net traffic receipts amounting to £812,650. Including the amount received from the International Bridge Company, interest, and the balance of general interest account, the net revenue receipts were £908,846. The net revenue charges for the half year absorbed £616,703, leaving a surplus of £292,142. Adding the balance of £7,018 at the credit of net revenue account on June 30, to the above surplus for the past half year, the total amount available for dividend is £299,161, from which the directors recommend a half year's dividend on the four per cent. guaranteed stock and on the first preference stock, and a dividend of £4 per cent. on the second preference stock, leaving a balance of £8,208 to be carried forward. The working expenses, excluding taxes, amounted in the half year to £1,723,278, or 67.06 per cent. of the gross receipts, as compared with £1,611,185, or 66.15 per cent. in the corresponding half year; an increase in amount of £112,093, and in the proportion to the gross receipts of 0.91 per cent.

—Upon his return from a trip to Barbadoes William C. Calkins, agent of the United Fruit Company of New York, reported that the sugar industry in that West Indian island is at present in a critical condition. "The island," Mr. Calkin said, "is entirely dependent for the support of its

Telegrams:—"WENHAM, MANCHESTER."

MERCIER'S PATENT MINING BELLS AND KEYS

Damp-proof, Dust-proof, Gas proof, Reliable, Substantial, Best Quality, English Manufacture, Always Adjusted, Will work anywhere, Once used always used.

The Bells and Keys have been in use since 1893, and have been thoroughly tested, and in all cases where they have been used, repeat orders have resulted. They are largely used by The London and North-Western, The Lancashire and Yorkshire, The Great Central Railway, The Belgian State Railways, San Paulo Brazilian Railways, and other large systems, both at home and abroad, also Leading Collieries and Mines, where exposed to the weather and atmospheric changes that affect the working of ordinary Bells. They have been found most economical in reducing the wear and tear of Batteries, and in labour, as they do not require attending to for years after once adjusted.

MERCIER'S PATENTS, Limited,

Greengate Electric Works,
Collier Street,

GREENGATE, - Manchester, Eng,

(Cut will be inserted as soon as received.)

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.

population upon its sugar plantations, and at the present price of sugar the best of them are working at a loss. The owners of most of these plantations are in the hands of the merchants, who make advances to them for carrying on the plantations against shipments. The merchants now, however, have agreed among themselves to make no further advances after the present crop is cut, the result of which will mean that the estates will be thrown out of cultivation and the mass of the people will be without work. Even the abolition of the sugar bounties will not save them. If they are to get back any portion of their old prosperity the only thing for them to do will be to combine and support central factories. Individually they cannot

afford the machinery necessary for the complete extraction of the juice from the cane and the manufacture of the superior kinds of sugar, such as we get from Cuba, if their estates are to pay."

—Germany, according to a recent Berlin cable, is keenly interested in J. P. Morgan's present trip to Europe. The American financier's name is well known in the Fatherland, where he is regarded as the incarnation of the "American danger." Shipping, iron, and financial magnates are wondering what new schemes the American will devise this year. His intentions toward the German ocean lines excite the liveliest anxiety. The new by-laws prohibiting foreign ownership have not yet been passed, and it is feared that Morgan may descend on the stock market before defensive measures can be devised. Other gossip associates Morgan's trip with an arrangement with the German

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.

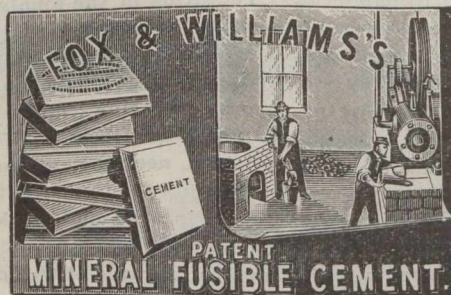
SOLE MAKERS:

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

Liverpool,

England.

FOX & WILLIAMS'S
Mineral Fusible Cement,



(The Strongest, Hardest, Most Effective and Economical)

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

For Prices and Particulars Apply to

FOX & WILLIAMS,
SOLE MAKERS,

Spread Eagle Works,
Trentlam St., Chester Rd.,

Manchester, England.

Manchester Royal Exchange, Tuesdays & Fridays, Pillar 12, 1 to 2,

Telegrams:—"PUMPHREY, Glasgow."

W. & M. PUMPHREY, Bridal & Banquet Sugars.

SUGAR MILLERS,

Crownpoint Road, - Glasgow, Scotland.

And at Thornaby-on-Tees,
London & Manchester England.

Icing
and
Caster

SUGARS as they should be!

Special Prices to Canadians
under the New Tariff.

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,

**TASKER SONS & CO.
MANUFACTURERS
SHEFFIELD, ENG.**

Leather Merchants and Mill Strap Manufacturers.

steel and iron syndicates for the regulation of trade and prices in the export markets at the expense of Great Britain. Many German industrial establishments weakened by the experience of 1901 would welcome an acquaintance with Morgan's cheque-book and numerous concerns, ranging from cigarette factories to engine works, are more than willing to be Americanized.

—Railway construction in Cuba is exceptionally expensive, but the road under construction by the company of which Sir William Van Horne is president, is the most expensive ever constructed in the country. Its cost already is understood to have averaged over \$20,000 a mile. This high cost is due to the large number of bridges which have to be constructed, together with the fact that the eastern end of Cuba is the most mountainous part of the island. From recently compiled statistics it appears that the 124 railroads in Cuba represent a cost of \$68,474,407 in gold.

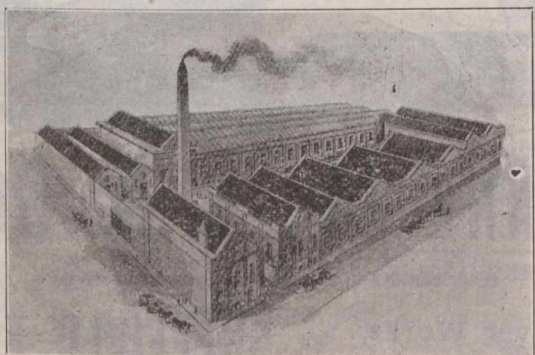
The 17 public railroads represent a cost of \$57,164,715. The public railroads do virtually all of the business of the island, the private railroads being used almost entirely for the movement of materials and crops from one part of an extensive plantation to another. The cost, capitalization and earnings of the different railroads of Cuba vary considerably. The public railroads, excluding the two electric railways, are capitalized on an average of \$43,600, a mile. This, however, represents considerably more than the actual cost of building railroads in the island.

—Announcement is made at New York that the International Power Co. has acquired the exclusive manufacture of the Diesel engine for the United States and Canada, and that the company proposes to issue new stock to the amount of 20,000 shares, to be used to raise funds for extending and enlarging its business. The Diesel engine is regarded as an economical power generator. It is operated by the use of crude oil, and is considered valuable for running small electric light plants. The company's offices report that the business is steadily growing.

Established 1861.

.. Bootle Jute Factory Co., Limited ..

SPINNERS AND... MANUFACTURERS.



JUTE BAGS AND BAGGING.

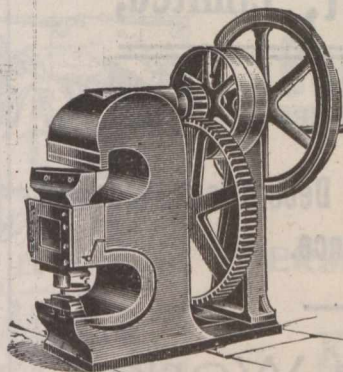
JUTE SACKING & SHESSANS.

DUNDEE WORKS,

BOOTLE, - Liverpool, Eng.

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

HOW'RE YOU FIXED FOR PUNCHING and SHEARING MACHINES?



Single Ended Punching and Shearing Machines.

This one would do you good, and does not cost a fortune to own it. Our No. 4 latest is suitable for General Jobbing and Machine Shops, Blacksmiths, Fence Makers, Carriage and Waggon Builders, etc. Shears 4 x %, and Punches % holes through 3/4 Iron. Depth of Punch Gap, 9 in.; Depth of Shear Gap, 8 in. Fitted with Back Stand, Steel Pinion and Tumbler Stop Motion. Complete with Punch and Die. A First-class Machine. Packed and delivered free on board at Manchester or Liverpool, £38.

Other Specialties: Punching and Shearing Machines, all sizes, Tin Plate Shears, Hand and Power, Rollers and Drilling Machines, Edging Machines, &c., &c.

A. KINGHORN & CO.,
TODMORDEN, ENGLAND.

PHOENIX IRON WORKS.

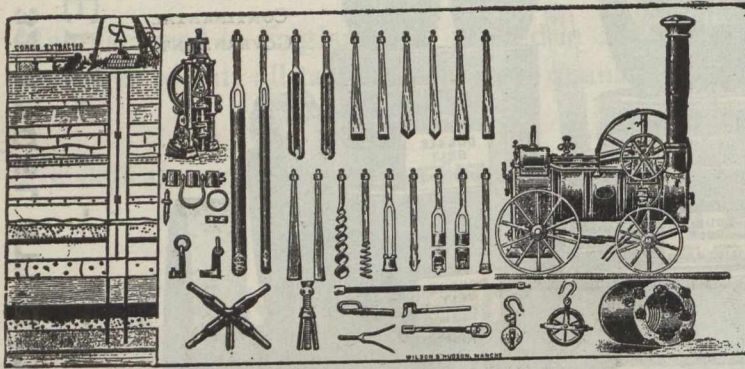
Canadians have 33% per cent. in their favor by purchasing these machines under the New Canadian Tariff.

Contractor to H. M. Government.

Tel. Address, "Thom, Patricroft."

JOHN H. THOM,

Canal Works, Patricroft, near Manchester, England.



Boring for Minerals, Oil, Brine, Etc.

Artesian Wells put down to any depth

Manufacturer of
all kind of

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

Special Estimates under the New Canadian Preferential Tariff.

Advices from the Krupp Works at Augsburg, Germany, are to the effect that they cannot receive any further orders for at least nine months. These works have the rights to manufacture the Diesel engine in Germany. With regard to the issue of new stock by the International Power Company, it is understood that it will probably be

offered to stockholders under par and thus very valuable rights will accrue to the stock.

—The Northwestern Association of Millers at a meeting in the Liverpool Corn Exchange on the 15th inst., says a London cable, decided to advance the price of flour by a shilling a sack and to add the new duty of five pence per hundredweight on all flour which should have been delivered before to-day. There was a heavy slump in sugar at Liverpool. Prices fell nine pence to a shilling early in the day, with the prospect of a further decline in consequence of there being no alteration in the sugar duty. Speculators and heavily stocked themselves with sugar, in anticipation of a possible increase in the price.—A commission of experts representing Lancashire cotton manufacturers, accompanied by a delegate representing the operatives, sailed from Liverpool for the United States to-day to investigate the cotton industries in America especially the Northrop shutting loom and other machinery.

—Tricot goods (knitted fabrics)—made of silk, cotton, and woollen yarn—including gloves, hosiery, underwear,

Telegrams :—"Waller, Greetland."

Waller Brothers

MANUFACTURERS OF

Cotton Main Driving Ropes

ROPE, TWINE, COTTON
BANDING & 'COP FLY.Onecliffe Mills, West Vale,
near Halifax, England.

George Swift, Limited,

MANUFACTURERS OF

Tiles for Floor and Wall Decorations, Mosaics
and Faience.

Swan Tile Works, LIVERPOOL, E., Eng.

Special Prices to Canadians under the New Tariff.

AT LAST! AT LAST!!



Something New for Our Farmers.

FRANK MILLS & Co.,

(Contractors to His Majesty's Government.)

Hanover Works,
Division Street,

SHEFFIELD, Eng.

Special prices to Canadians, under the New Preferential Tariff, 33 $\frac{1}{3}$ p.c., in favour of the English Manufactures.

ESTD 1865

TELEPHONE 999

Chambers Bros

EFFINGHAM MILLS, SHEFFIELD, ENG.

STEEL MOULDERS' COMPOSITION

SPECIAL PAINT FOR THE SURFACE OF MOULDS.

GROUND GANISTER

PATENT NON-CONDUCTING CEMENT FOR STEAM PIPES & BOILERS.

GROUND MORTAR &c.



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

—We learn from St. John's, Nfld., that in the Legislature on the 15th instant, Premier Bond announced that he had secured a concession from Portugal under the terms of which Newfoundland codfish will be admitted to the Portuguese market on the same terms as Norwegian codfish. The latter is now admitted into Portugal at a rate 20 cents lower than the Newfoundland fish. This is an advantageous concession for the colony and it is expected that it will increase Newfoundland's shipments of codfish to Portugal by 150,000 hundredweight annually. The Premier was commended by the Legislature on the successful outcome. The only concession Portugal requires in return is the reduction by one-half of the present duty on port wine. This reduction involves a loss of only \$2,000 a year to Newfoundland.

—From Washington we learn that Assistant Secretary of the Treasury Spaulding addressed a reply to a communication from the commissioner of customs of Canada, in which he says that under the act temporarily to provide revenue for the Philippine Islands, Manila fibre, the product of the Philippine Island, cannot come into the United States and be exported to Canada without being subject to the Philippine export taxes. With regard to rope and cordage manufactured in the United States from Manila fibre, on

which export duties in the Philippine islands have been remitted, he advises the commissioner that it would have the same status as other domestic manufactures, and might be exported to Canada without being subject to the Philippine export duty.

—The deal is, we are informed, about to be completed whereby the Canadian Pacific Railway will acquire the Ottawa, Northern and Western. When the summer time table goes into effect in June the Canadian Pacific will run its Soo and Winnipeg trains through the Central station at Ottawa. All through trains will pass across the inter-provincial bridge and over the Pontiac tracks into Hull. A general inspection of the Pontiac and Gatineau roads will be made by Canadian Pacific Railway officials shortly to learn what improvements are desirable. The Pontiac road will be part of the transatlantic system and will be connected with the main line at Chalk River. Several bridges will be required in connection with this junction.

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,

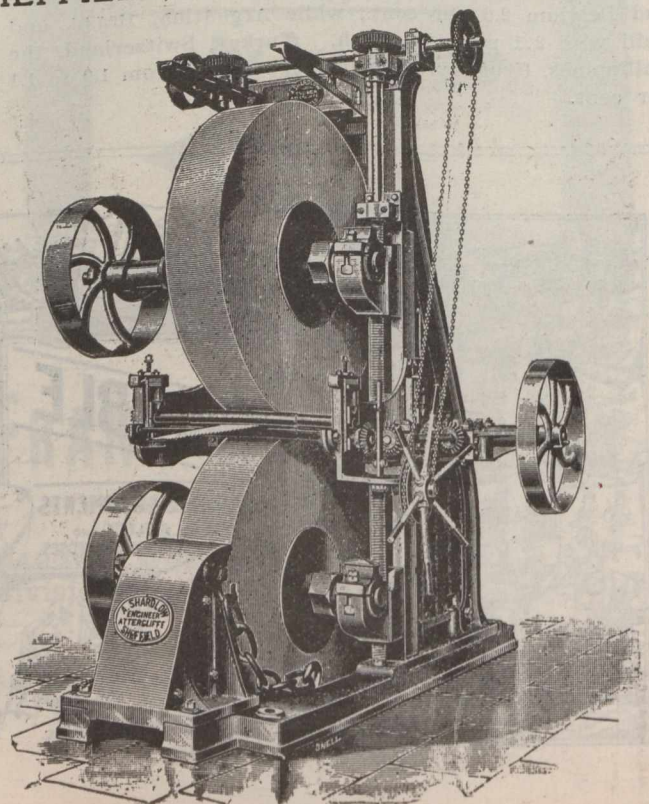
39 Old Hall St.,

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

LIVERPOOL, Eng.

The Improved Long Saw Grinding Machine

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



Joseph Booth & Bros., L'td.,

ENGINEERS

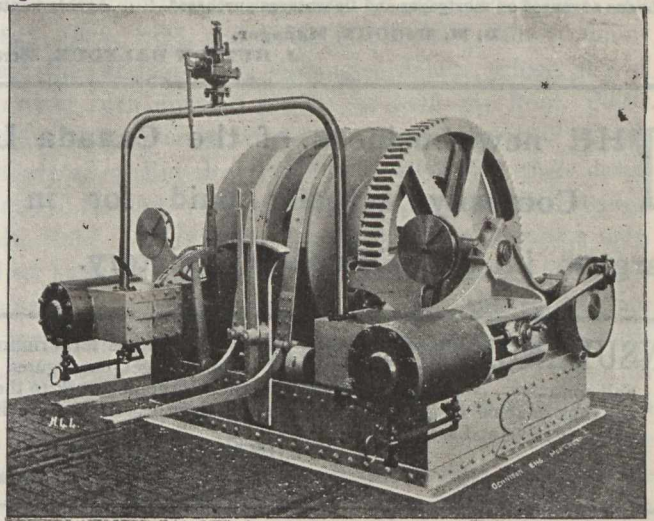
and MANUFACTURERS,

Rodley, Near Leeds, - - England.

Manufacturers of

Steam Hydraulic Cranes and Lifting Machinery,

Under the New Canadian Tariff.



—The Malleable Iron Company, of Montreal, is asking the town of St. Johns for a bonus of \$50,000 for the removal of their works to that place. The bonus is to be payable over a term of five years. In return the company agrees to erect buildings costing \$30,000, to install therein machinery to the value of \$30,000 more, to employ at least one hundred men and pay a minimum of \$60,000 in wages annually for five years, after which, if not sooner, the number of employees will be increased to 200 and the pay list to \$120,000 annually. The proposal does not meet with general acceptance, the return for the bonus being considered inadequate.

—Representatives of a New York ice trust, are reported in Halifax negotiating for the purchase of the stock and plant of all the ice dealers in Halifax and Dartmouth. They have acquired all the property of the small ice merchants throughout the province and wish to obtain a monopoly of the business of buying out the ice dealers in Halifax and Dartmouth. The local merchants have been approached and asked to name a figure at which they will sell and enter into an agreement not to engage in the ice business for a certain period. The ice dealers there are willing to sell if they secure high enough figures, and they have come to an agreement not to sell unless all decide to do so.

—Cleveland advices state that the Northern Ohio Traction Company will pass from the hands of the Everett-Moore syndicate into the control of a new syndicate of Cleveland capitalists next week. The entire deal will involve something like \$1,500,000. It has been agreed to ask Mr. Horace E. Andrews, president of the Cleveland Electric Railway, to become syndicate manager, and there seems to be little doubt that he will accept the proposition. A conference to start the formation of the New Detroit United Syndicate will be held next week. J. C. Hutchins, of Detroit, will be the leading figure in the syndicate.

—The extension of the Canadian Pacific Railway line, now terminating at Labelle, to Nominique, will be completed in November. The extension, twenty-five miles in length, will pass along the River Rouge, stopping at L'Annonciation, and then follow the shores of the great lake Nominique, and run into St. Ignace, passing, in doing so, over the isthmus connecting the Great and Little Lake Nominique. The Government has granted an additional subsidy for the construction of the line, and has also opened the Gouin road, between Nominique and Ferme Neuve.

—Promoters of a big electric railway from Toronto to Cornwall, for which a charter has been granted by the Ontario Government, say the success of the scheme is assured.

It is said there is \$8,000,000 behind the scheme. It will be some time before the preliminaries are likely to be completed, as there are about 50 municipalities to be considered. The intention is to have 200 electric sixty-foot cars on the line, carrying freight and passengers. The length of the line will be about 275 miles.

—The Algoma Navigation Company, Limited, with a share capital of \$250,000, has been incorporated by the Ontario Government, with power to acquire the Owen Sound, Georgian Bay and Soo line of steamers, including the boats City of Windsor and City of Owen Sound. The incorporators are principally Toronto men, but include C. R. McCool, of Ottawa, and John W. Munro, of Pembroke.

—The contract for the construction of a mammoth elevator of three millions capacity, to be built for the Canadian Pacific Railway at Fort William, Ont., has, we are informed, been awarded to C. H. Haglin, of Minneapolis. The elevator will be built of concrete, and is to be ready for this year's crop.

—The Exchange Gazette, St. Petersburg, says it thinks the recent loan to Persia ought to lead to the formation of a Russian company for railway construction in Persia. Russia ought in this way to obtain access to the Indian Ocean in the same manner as by the Manchurian Railway she has obtained access to the Pacific.

—The Manitoba Club, Winnipeg, was the scene of the largest banquet ever held within the walls of that institution recently, the occasion being the farewell dinner tendered by the members to F. W. Thompson, first vice-president and managing director of the Ogilvie Milling Co., who is about to make Montreal his headquarters.

—A San Domingo cable reads: Congress has passed a law increasing the duties on several articles. Half the duties must be paid in cash and the balance according to the existing law. Port charges must now be paid in gold, instead of half in gold and half in Dominican bank notes.

—The work of improving the Kingston & Pembroke Railway will be begun on May 1st. A new time-table will come into effect on June 15th, and close connections will be made with the C.P.R. at Sharbot Lake and Renfrew.


—The British steamer Mechanician cleared from New Orleans, La., on the 11th instant, for Cape Town, with 1,100 horses for use of the British military service.

—A branch of the Bank of Nova Scotia has been opened at Port Elgin, N.B.

THE STANDARD ASSURANCE CO. ESTABLISHED 1825.
OF EDINBURGH.
HEAD OFFICE FOR CANADA, - MONTREAL.
 Invested Funds, \$48,400,000
 Investments in Canada, 14,930,000
 [WORLD WIDE POLICIES.]
 Thirteen months for revival of lapsed policies without medical certificate of five years' existence.
 Loans advanced on mortgages and Debentures purchased. Agents wanted.
 D. M. McGOUN, Manager.
 J. HUTTON BALFOUR, Secretary.

THE new business of the Canada Life Assurance Company actually paid for in 1901 was the largest in the Company's history.

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

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

 Capital and Accumulated Funds, :: \$38,355,000
 Annual Revenue from Fire Premiums..... }
 Annual Revenue from Life Premiums..... } 5,715,000
 Annual Revenue from Interest upon Invested Funds..... }
 Deposited with Dominion Government for the security of Canadian policy-holders 200,000
 Head Offices:—London and Aberdeen.
 Branch Office for Canada, Montreal, 1730 Notre Dame St.
 Manager for Canada.—ROBERT W. TYRE.

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, APRIL 18TH, 1902.

THE BRITISH BUDGET.
 The Budget speech of the British Chancellor of the Exchequer on the 14th inst., bids fair to be one of the memorable ever delivered. In the opening section a statement was made which confirms the position taken by this Journal in reply to certain American critics who have persistently declared that the trade of Great Britain was declining. The Chancellor of the Exchequer said, "there had been no diminution in the home trade, while there was a satisfactory increase of foreign trade." He declared also that "the consuming power of the people showed no sign of falling off." The receipts from the sugar-tax were \$7,000,000 more than estimated, the export duty on coal had realized \$6,520,000 in excess of anticipations, the income tax, \$5,000,000, had brought

Insurance.
PHENIX
ASSURANCE CO'Y
OF LONDON, ENG.
 Established in 1783. Canadian Branch
 Established in 1864.
 No. 164 St. James St.
MONTREAL, P. Q.
PATERSON & SON,
 Agents for the Dominion
 City Agents:
 E. A. Whitehead & Co. English Dept.
 G. A. Raymond & Co. French Dept.
 S. Mondou.

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

THE MANCHESTER FIRE ASSURANCE COMPANY.
 Established 1824. CAPITAL, - - \$10,000,000
 Head Office, MANCHESTER, ENG. Canadian Branch Head Office, - TORONTO.
 JAS. BOOMER, Manager.
 T. D. RICHARDSON, Assistant-Manager.
 EVANS & JOHNSON, Resident Agents, MONTREAL.
 1728 Notre Dame St.

IMPERIAL LIFE ASS'CE CO'Y OF CANADA.

THE YEAR'S RECORD.

	Jan. 1, 1901	Jan. 1, 1902	Increase	%
1. Total Assurance in Force.....	\$9,226,350	\$11,236,700	\$2,010,350	21.8
2. Total Assets.....	1,102,092	1,339,804	237,712	21.6
3. Reserves for Policies and Annuities	597,488	798,785	201,297	33.7
4. Annual Premium Income	319,860	395,170	75,310	23.5
5. Annual Interest Income	86,273	53,502	17,229	47.5
6. Total Annual Income	306,133	448,672	92,539	26.0

E. S. MILLER, Provincial Manager,

\$5,000,000 above the estimate, and the revenue for the past year, on the whole, had gone \$2,715,000 over official calculations.
 The national debt now stands at \$3,739,030,000, an increase of \$290,000,000, and the cost of the war for three years was \$825,170,000. These are enormous figures, but great as is England's debt to-day, it is 95 millions of dollars less than it was in 1841, when the population of the United Kingdom was less by 16 millions than at present. In 1841, the total value of property and incomes assessed for income-tax was less than one-third what it now is, so that, as compared with 60 years ago, the national debt is quite a moderate amount. In 1841 the national debt averaged \$142 per head; at present the average per head is only \$87. The Chancellor of the

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FREDERICK A BURNHAM, PRESIDENT.

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An Increase in Surplus**

...AND...

An Increase in Insurance in Force.

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

ONE OF THE OLDEST AND STRONGEST OF FIRE OFFICES.

CANADA BRANCH:

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

T. L. MORRISEY, Manager

Exchequer foreshadowed a considerable reduction of the debt from the wealth of the Transvaal and from the Chinese indemnity, so the debt situation and outlook are far from gloomy.

The surprise feature of the Budget was the proposal to impose an import duty of three pence—say, 6 cents—per 112 pounds on all grain, with a co-relative duty of five pence (or 10 cents) per 112 pounds on flour and meal. These duties, he expects, will yield \$13,250,000 which, on the present population of the United Kingdom, amounts to 30½ cents per head annually, or, taking the number of families at present, the taxes on grain, flour and meal would be \$1.54 per family per annum, which is under three halfpence per week for a family of five persons, a trifle more than an extra farthing per head weekly. As the Chancellor said, the wheat and flour duties would mean only a small fraction of a farthing in the price of the loaf, but he thought no such addition would be made, as competition amongst bakers would prevent their using the new duties as an excuse for advancing the price of bread. It seems, then, somewhat absurd to regard the new duties on wheat and flour as a "bread-tax," which we have said—and still believe—would be so resented by the British people as to give rise to such an agitation as would wreck any ministry that proposed so obnoxious a tax.

But, though the burden of the wheat and flour duties will, if imposed, be so infinitesimal—so inappreciable as not to be realized in the cost of food—they break the free trade in breadstuffs tradition which has been held so sacred in England for nigh sixty years, or two generations. It is this break which renders the Budget so memorable a fiscal event.

The Corn Laws of England date from 1360, when, as in later times, exportation of wheat was forbidden. In the reign of Henry VIII. every parish was compelled to grow wheat or be fined. From 1689 to 1815 various measures were taken to hinder imports of wheat, or, by duties thereon, to protect farmers and landlords. In 1815, 1822, 1828, and 1842, efforts were made to maintain this protection by various corn laws, which at last aroused such opposition that in 1846 Sir Robt. Peel's measure was passed which gave those laws their "coup-de-grace." But it was not until 1849 that their death ensued through the then Chancellor of the Exchequer, Mr. Robt. Lowe's removing the last remnant of a corn duty by taking off the duty of one shilling per quarter—somewhat over three cents per bushel. One shilling per quarter was so trifling an impost, being only three halfpence per bushel, that many fiscal writers have regarded its removal as a doubtful policy. They argue that such a duty would not have increased the price of bread, while it would have raised a revenue more evenly than by some other taxes which have been imposed and are still in force, such as those on tea, coffee, cocoa, and fruits.

Whether the new duties on wheat and flour will be paid by the foreign exporter or by the British consumer is a very knotty question, upon which some dogmatize who pay more regard to theories than facts. Some duties are undoubtedly paid, in whole or part, by the foreign exporter, such as those imposed by a country for protection purposes, as the foreign exporter in order to retain his hold on the market of such a country, will sell in that market at such prices as practically make him the payer of the import duties on his goods. Thus we have certain articles sold in Canada, at the same, or a less price than they are charged in their home market, although Canadian duties have been paid upon them, the amount of which the American exporter has sacrificed, that is, has practically paid, in order to make sales in Canada. It seems somewhat fantastical to suppose that the farmers and millers of Great Britain will be enabled to advance the price of wheat and flour, save temporarily, because foreign wheat and flour have to bear such an insignificant import duty as, respectively, 6 cents and 10 cents per 112 pounds. Supply and demand therefore determine who pays the duty. When the demand is brisk—business good,—the buyer pays it; when trade is slack—or the supply is greater than the demand, the seller, as a rule, pays it.

The division on the new duties resulted in their adoption by a vote of 254 to 135, giving the Government a majority of 119, which seems indicative of there having been no split in the ranks of either party. The remarkable feature in the debate was its collapse so suddenly, a test-vote having been taken on the same night as the Budget was introduced. We note that those Canadian writers who, having never lived in England, nor been in any way in direct association with the political life of the Old Country, naturally are great authorities on English life, regard the vote in favour of duties on wheat and flour as proof of the contention that a "bread-tax" would not excite general opposition in England. Writers of this class should "keep their breath to cool their porridge," for such expressions only waste it. Let a real "bread-tax" be proposed, a tax which would send up the price of the quarter loaf to an appreciable degree, and there would be a recrudescence of the old-time passion which was fanned into a flame by Ebenezer Elliott's fiery Corn Law Rhymes; and which inspired the harangues of

Fox, Thompson, Vincent, Cobden and Bright. Just now, the British people are so united in support of the military operations against the Boers that they are prepared for any sacrifices they deem necessary to achieve a decisive victory over the enemies of the Empire. When that is accomplished they will make a quick ending to even the trifling duties about to be imposed on foreign breadstuffs, unless those duties are so adjusted as to develop closer ties between the Mother Country and the Colonies by which the people in the old land would be compensated for any sacrifices imposed upon them by import duties on foreign wheat. Already there is a cry being heard in favour of Colonial products being exempt from the new duties, and it would not surprise us to find a movement started on this line that would prove to be ere long a powerful factor in the politics of Great Britain.

HARBOUR MATTERS.

It must be a matter of regret, if not humiliation, for all right-thinking citizens to consider the position into which our harbour matters have been drifting for so long and the want of harmony among those in a position of such responsibility for its management. The actual position is not creditable to any of the parties concerned—whether they are Harbour Commissioners or Aldermen. The question of the elevator seems to be at last settled, and it is to be hoped that it will meet all the requirements. On the face of it, however, it looks as if an injustice had been done to the Canadian contractor who tendered for the work in the face of what seems to savour of official prejudice. Of that we have nothing more to say, at present, but trust that the work may be pressed to a conclusion and that, in the end, it may be satisfactory—even if that end is to be seen only at the end of the season of 1903.

The elevator is but a small portion of what is required to equip the harbour as it should be equipped, if Montreal is to do the business that it has been foretold and promised that it would have in the future. We yet see no sign of a move to prepare for any arrangement for the railway tracks on the wharves, such as may be in accordance with modern ideas and tend to conserve the safety of life and the preservation of property. That can only be accomplished by elevated tracks for our peculiarly situated harbour. This is a question of vital importance, and yet we see it given no attention by those responsible—although they are given to much squabbling over matters of petty or minor importance.

The city of Montreal, as a whole, has a deep interest in its port. It is, therefore, painful to read in the daily press of the pitiful conduct of the City Council in dealing with the harbour authorities in various matters. The latest development is in connection with the ownership of the strip of land necessary for the widening of Commissioners street. That strip undoubtedly belonged to the Harbour Commissioners, as trustees of the Government. How far the arrangement about the harbour enlargement and flood protection works may affect that question is now—or will come—before the Courts. We offer no opinion on the legal merits. It is only along that strip that the large sewer that now empties into the basin opposite the Custom House can be extended into the current below the Victoria pier. That extension is absolutely necessary for the health of the city at large.

Ever since the harbour improvements were commenced this Journal has not ceased to direct attention to this important question. After some time the Provincial Board of Health dealt with it, and ordered the city to divert that sewer under a certain penalty if it were not done within a period that expired last year. The city ignored that action, and the Harbour Board seem to have given it attention only in the most perfunctory manner, although it was of vital importance to the shipping that may frequent the harbour.

Thus things drifted: the new revetment wall was finished and the space between it and the old line of Commissioners street has gradually been filled up by parties to whom it was a most convenient place to dump earth excavations and other matter until it is now up to the level of the other portion of the street. The consequence is that when that sewer is extended—as it will have to be whoever does it—the cost of it will be very largely increased by the unnecessary excavation through all that made ground. It requires no expert to know what that means.

And now comes in the most humiliating part of this result of the want of harmony among the authorities from which the city has suffered and is likely to suffer still more. The Street Railway Company have long been desirous of having their tracks on Commissioners street, but hitherto it was too narrow for that purpose. This spring that pushing Company, having realized that the strip of land between the new revetment wall and Commissioners street had been filled up to the street level, asked the Road Committee for permission to locate their tracks thereon. That Committee had doubts about their right to a title to the land and hesitated to give the permission. The Harbour Board very properly refused to cede property held in trust without authority and a deadlock occurred in consequence.

It seems that the Street Railway Company, fearing that, in some way, the opposition Terminal Company had some rights which might interfere with them, on Saturday night last, heroically took the bit in the teeth and put some three or four hundred men and horses to work to lay their tracks without any permission, and kept them at work all that night, and until Monday! We do not now discuss the legal, or other, right that the Company may have to lay the tracks in question, but the method they adopted to attain their object may call for comment in a Christian community.

We have had much talk of late on the part of many good people posing as champions of morality and Sabbath observance, who are endeavoring to close up the small candy-shops and the like, and they may be right—we do not say they are not—but we have failed to see a single word uttered by those men against the case referred to above. Many people will wonder why there should be a different measure of treatment for the two classes.

PERSONAL SUPERVISION.

The old saying that "The master's eye makes the horse thrive" is as true to-day as when it was first uttered, with the difference that its applicability is growing wider with the progress of the suns. Our attention is recalled to it now by the experiences of certain lesser contractors in Montreal, men who but a few years ago could boast of covering a much more extensive field of operation, although with proportionately less profit to themselves.

They saw the unwisdom of their ways; they had been gradually growing prosperous in a limited sphere formerly; their work, closely superintended by and assisted in by their own eyes and arms, had given so much satisfaction to those who employed them that they were given more work than they could handle. Reluctant to refuse, they branched out, employed more hands and increased their operations until they could no longer do more than drive about from job to job or contract to contract, and look on at each place for a few moments with hands in pockets—with, perhaps, a cigar as a sedative,—long enough to excite the envy of men who had formerly pushed the plane or the saw at the opposite side of the bench at which they worked in common. The tendency among many workmen to accomplish as little as they possibly could make a reasonable exhibit of, began to tell upon the proportion of results to wages paid, and this being impossible to check to any effective degree, certain employers—those who could tell a hawk from a handsaw—and who had the courage of their convictions, determined to try the effect of some steps backward. They gradually reduced the number of their hands, accepted fewer contracts, or only as many as they could personally assist at as formerly. A few of the number adopted this retrograde movement only in time to save themselves from disaster, but they were necessarily those who had early learnt their trade or business and could set an example to their men. Some of these skilled contracting mechanics who had the courage to face the inevitable are to-day prosperous in their calling, and although cultivating a much more limited area, are giving satisfaction by their work and amassing certain and far greater profit than they had any prospect of in their more ambitious days. There are not by any means too many of this class of smaller contractors in our large cities. There is yet a steady demand for independent, skilled mechanics or contractors. There are quite a few such in Montreal and Toronto, and most of them are prospering. It is not uncommon for such men to receive a considerable gratuity from men who have newly engaged them, so pleased are they with the improvement in their work as compared with the results from workmen who lack the superintendence of the skilled eye of the master.

THE WESTERN BANK OF CANADA.

The Western Bank of Canada stands almost in a unique position in having its head office in a town of no great magnitude, the great bulk of Canadian banks having their headquarters at Montreal, Toronto, or Quebec. The Western was, however, established as a local institution, to do a local business, and meet the special requirements of one locality, which, it was judged, could be better attended to by a locally organized bank than by the branch of a large institution. For 20 years the Western has been steadily providing banking facilities to Oshawa and the surrounding district, which is one of the richest farming countries in Canada. The confidence felt in it is manifest by the deposits amounting to \$2,397,949, which is nearly six times the capital, and is a higher proportion than the other banks of Ontario and Quebec. It holds readily convertible assets to the extent of \$1,603,870, which is equal to 66.88 per cent. of the deposits which are open to recall at short notice. This also is higher than the average proportion and indicates the Western occupying a strong position in resources, as it does in public confidence.

Last year the net profits were \$50,325, which equals 12½ per cent. of the average paid-up capital of the year. To this sum was added \$11,175 from previous year, making \$61,501 for disposal. Out of this \$28,565 was paid in two 3½ per cent. dividends, \$16,000 was carried to Reserve Fund, \$12,857 was passed to credit of overdue bills' account, after which appropriations there was \$4,078 left to be carried forward to next year. The Reserve Fund now stands at \$150,000, or about 36 per cent. of the paid-up capital. Oshawa owes much to the enterprise of Mr. Cowan, the President of the Western Bank, and for his attention to this local institution, which is making satisfactory progress in extent of business and strength under the management of Mr. T. H. McMillan.

TO RAISE LAKE ERIE'S LEVEL.

"Every schoolboy knows" that Lake Erie has been gradually decreasing in depth since the early settlement of the surrounding territory, and the fact is periodically brought to the notice of those chiefly interested in the navigation of the lake by the casualties that occur thereon towards the close of almost every season. This important link in the great chain of lakes, nearly all common to Canada and the United States, is about 265 miles in length, about 63 miles in width at its centre, from 240 to 270 feet deep in its deepest part and has an area of about 9,600 square miles. Lake Erie has always been the most dangerous of all the lakes to navigate in stormy weather, in consequence of the heavy ground swell, proceeding from its shallowness in many places. The people of Buffalo have long been contemplating this lessening of the lake's depth with more or less anxiety. They have often given their thoughts a tongue, but with no practicable remedy stated. They now, after casting some blame upon the Welland Canal and a little less on the Chicago drainage canal, propose the erection of an immense dam at the upper end of the Niagara River. The Buffalo Courier deals with the subject at some length, and Thos. W. Symons, known as the constructor of the five-mile breakwater before the Buffalo harbour, has come forward with a recommendation to the Government of a plan. His project is to dam the Niagara river at the outlet of Lake Erie and build a ship canal for the vessels which have been using the river. The scheme is the most gigantic and far-reaching which has ever been undertaken in connection with inland waters and will affect the entire commerce and shore property interests of the great lakes. The primary engineering work is not so great a feat from an engineer's point of view, but the matters incident to the work give it importance.

The undertaking divides itself into three parts. The first is the building of the dam, which must be over a mile wide on a variable base, part being shale, part limestone, part gravel; second, the construction of the ship channel, a length of four miles; and third, the avoiding of damages to property along the lake shore and in harbors and rivers.

For many years, each time that a lake captain tried to run a twelve-foot boat through an eleven foot channel and failed he has attributed the difficulty to the lowering of the lake level, so that the falling of the water in the lakes has been a generally accepted fallacy for nearly forty years. It is only in the past fifteen years that the diminution has become real instead of fancied.

"The chart," says the Courier, "tells the story in a way that cannot be mistaken. It leaves no doubt that the

falling off in the water is due entirely to the natural deepening of the channel of Niagara river, the opening of the Welland Canal and the Chicago Drainage Canal. The damming of the Niagara channel will go a long way, however, toward overcoming the effect of the other two."

Lake Superior, which is beyond the effect of any of the factors named, has in it to-day water enough to bring the mean level above the sea to 603 feet, while forty years ago it was 602 feet, and in 1879 it was 601 feet. From 1880 to 1890 the seasonable fluctuations of the level were almost identical, though that period saw very dry seasons and very wet seasons, also there was a great quantity of work done in clearing off forests and opening up swamps in the territory drained into it. This is almost proof conclusive that natural and artificial causes affecting the watershed have had little effect on the mean water level.

Lakes Michigan and Huron having a full and uninterrupted connection in the Straits of Mackinac, have the same level, and during the same period, have undergone the same influences as Lake Superior, with the added effects of the factors named.

"In 1860 the mean level above the sea was a few inches over 582 feet, and in 1870 was a few inches less, while the annual fluctuations were almost identical. In 1880 there had been a slight increase, and this increase was maintained at nearly 583 feet until 1887-88, when the Welland Canal was approaching completion, and then the water began to fall. The chart shows that in 1891 the mean level had dropped four feet, but the next three years saw a recovery of almost two feet, showing that the entire diminution was not due to the opening of the canal, but to seasonable fluctuations. It was in 1895 that the work was completed which cleared the head of the Niagara river, and gave it an eighteen foot channel. There was taken from the crest of Horseshoe Reef 31,000 cubic yards of rock and gravel. The current here is exceedingly swift, and the work was executed with great difficulty. The top of the reef was blasted off for a width of 400 feet in some places, lowering it five feet, in some two. The embedded gravel was dredged out, as were what fragments of rock as were not swept down by the current. During the time that the opening up of the channel was going on, the level of the lake began slowly dropping, according to the chart, really not more than the seasonable falling off, but it failed to recover in the rise the next year. In 1887-88, at the time of the opening of the Welland Canal, it had lost a foot, but now it continued to sink, so that in 1896 its mean level was 571 feet above sea level compared with 574.5 in 1887. Lake Superior had continued to rise meanwhile, and Lake Ontario was holding its own nicely at 246, which was only six inches below what it was forty years before, six inches higher than thirty years before, and a full foot higher than twenty years before. Since that time dredging the St. Lawrence seems to have lowered the level a few inches.

"The major portion of the falling off in the waters of Lakes Michigan, Huron and Erie has come in the past fifteen years. The Chicago drainage canal has been open two years, and there has been a fluctuation of from nine to twelve inches in the three lakes, but it is yet too early to say that it will be permanent, as it remains to be seen whether by June or July of this year the level shall have taken the seasonable rise sufficient to recover from the fall. It is the fixed belief of Major Symons at Buffalo and Major Fisk at Chicago that it will not and that the

following months will see a still greater sinking of the level. It takes months for any such factor as a new outlet to produce its effect on so large a body as one of the Great Lakes.

"Since it is palpable that the falling of the levels has been caused by the canals and the dredging out of the channel of the Niagara, Major Symons has concluded that the remedy is the undoing of the evil. Since that harm to shipping has been almost entirely confined to Lake Erie, and since the Welland Canal affected Lakes Huron and Michigan as it did, he believes that the changing of conditions in Lake Erie will attain the greater portion of the desired ends and incidentally restore a part of the lost water to Lakes Huron and Michigan, for it is reasonable to suppose that if the lowering of the level of Lake Erie by the Welland canal should so greatly affect the other two lakes the restoration by damming Niagara would be found in all three. The raised level would have an effect at the upper entrance of the Welland Canal, which the Canadian Government would in all probability meet and still further aid the project as Canadian harbours and shipping would be equally benefited with American.

"The dam would be of rubble stone work, with a long, upper angle and steel anchors on account of the ice and current, and would be about 2,000 yards in length. The beginning at the American shore would be just below the entrance to the Erie basin, and the line of direction would be directly across stream, 400 yards below the Horseshoe Reef Light to a point on the Canadian shore in line with the historic ruins of Fort Erie. The height is as yet undetermined, but Major Symons thinks it would be sufficient to cause a considerable fall. This would make a beautiful spectacle in the winter season. The ship canal would, of course, be an essential to allow vessels to proceed down the river, which they could do by means of the canal to the quiet waters of Strawberry Island and at the head of Grand Island. At the present time along the shore of Fort Porter there runs the Erie canal, with the Black Rock canal beside it, giving access to the sheltered waters behind Squaw Island. The levels are the same, so the ship canal project includes the combination of the two to the end of the Black Rock canal and the widening of the Erie canal from that point on. Since the canal would be a considerable link and a good beginning, should the Government at some future time determine to build a ship canal around Niagara on the American side, it would be foolish to limit it to anything less than a size which would accommodate the largest vessels of the high seas. The waterway at the Soo barely accommodates some of the largest lake boats. This canal should be at least 125 feet in width and 25 feet in depth. The Erie canal could be locked into it at the lower end, which would be a considerable improvement in that waterway's western terminal."

Marine insurance experts admit that the losses in shipping on Lake Erie, which have been on the increase of late years, are largely due to the lowering of the water levels. Underwriting companies' profits for 1887-88, which were figured before the lakes felt the influence of the Welland canal, were enormous. In the years immediately following there were heavy losses, culminating in 1892, when there came a very disastrous year, and many of the minor companies were swept under. In 1895-96, after the further lowering of the lakes by the opening up of the Niagara channel, there was a repetition of the disasters and since that time profits have been precarious

and few companies have made any money at all. For the past fifteen years the average profits made by four big companies have been a shade under 3 per cent. At present, it is pointed out, boats are frequently grounding in the Detroit river, Toledo harbor, at Cleveland, and Buffalo and there are more boats needing hull repairs this year than in the memory of the oldest lake captain. There is not a dry dock on the lakes which has not been busy all season to its full capacity. While many of the losses are caused by conditions that could have nothing to do with the water level, still the percentage of those attributable to this cause is so great and increasing that a remedy is imperative. Either all the harbors and old channels must be re-dredged or the water level must be raised. The matter of damages would probably be little more than the reflooding of the shores where the receding waters had left the land dry and it has been improved.

It is not alone in Lake Erie that the water has lowered. In all except Lake Superior the levels have greatly fallen. Lake Ontario shows vast changes within the memory of men scarcely past middle age. Cattle are grazing and crops growing in places along the shores where boats were rowed in the latter seasons of the 50's.

THE ADVANCE IN BEEF.

To the great body of consumers the recent advance in the price of beef has come with anything but a relish. To the middle classes and to the great army of mechanics and day-labourers the announcement of higher wool or cotton gives but passing interest. They may read that calico and gingham have advanced 10 to 15 per cent., or that wool serges, henriettas, tweeds, etc., will cost 20 to 25 per cent. more, but that need not bother them beyond the extension of a remark, for they know that the arts of modern textile manufacture will admit of certain weaves being placed upon the market at prices to suit the shallow purse as well as to coax a wider opening for that which is better filled.

The price of hardware and metals may go soaring up; the cost of stove coal may raise 25 cents per ton each succeeding month throughout the fall season; the price of milk may be advanced 2 cents per quart owing to a combine among the dealers; even rents may go up and the water tax be made payable six months in advance, but all these are tackled singly, bravely and successfully by the man who brings home his little bunch of bills each week or month. He has learned, with the able assistance of his good wife, to get around each of these in turn or to wade through them with the confident feeling that perhaps things may turn the other way before long, admitting of a chance to "even up." But when the price of beef is advanced, as it was during the past month, so that he is compelled to pay one to three cents per pound extra—some 18 to 20 per cent.—he has no recourse.

There may be a degree of consolation in the knowledge that conditions are the same all over the continent at present, and we hear that throughout Europe a like advance has taken place, but that does not stop the extra drain on a limited treasury, nor show a way whereby an extra dime may be earned to offset the added expense of living. A New York report of recent date says: "Absolutely controlling trade aggregating \$600,000,000 annually, the unofficial combination of interests known as the beef trust has succeeded, after many years of organization and expansion, in so completely dominat-

ing the provision markets, that independent competition is killed. The strategic policy of the trust has become steadily more despotic and aggressive, until wholesale and retail butchers in New York and other cities who will not sign the ironclad agreement of the Chicago combination are driven out of business by scores, both by being cut off from supplies and being openly undersold by agencies especially established for the purpose of crushing competition.

The latest 'squeeze' engineered by orders from the pooled interests of the houses forming the trust is the boldest on record, and the middlemen and consuming population of New York have been forced to pay, within the last week, advances on prices already abnormally high of from 3 to 4 cents for beef, mutton and pork. There has been a similar rise in other cities, until the increased profits of the beef trust over the scale of 1901, are conservatively estimated at \$100,000,000. The recent movement makes fresh meat an almost prohibitive luxury to thousands of families. It is within the power of the beef trust to order another advance and pocket another \$100,000,000, with the mere labour of telegraphing the new schedule to their agents in every city near and far. Of the \$600,000,000 of yearly business, \$560,000,000 is handled by only four firms, who co-operate to the smallest details of regulating supply and demand from the stockyards to the retail markets. Their recent action in 'skying' prices has aroused murmurs of open rebellion from New York meat dealers, but the beef trust employs a staff of experts whose business it is to whip the recalcitrant dealers back into line—to make them submit or be driven out of business.

The combination to restrict trade in any kind of meats begins in the extensive stockyards of Chicago, St. Louis, St. Joseph, Kansas City, Omaha and St. Paul. In these live stock centres the cattle buyers for these firms never 'cross bid' each other. If one of men sees an agent from bidding on one lot he does not interfere, but leaves the seller to take the price offered or keep his stock. Having disposed of all competition on the hoof in the great cattle centres of the west, the trust next obtains from the railroads rebates which 'squeeze' any possible rivals out of competition in the cost of freight transportation. Products are, therefore, placed at any point in the country, to be sold, if necessary, at prices which cannot be met and fought in the local markets by dealers who kill their beef in their own country side.

A further advance was made on Saturday in the price of beef, good quality being held at 10½ cents a pound, against 9¾ cents, the price for the previous day. The statement was made that a further advance was probable early this week. It was said that there was no scarcity of beef and that the advance in price is wholly the work of the trust. It was said that there is always an increase in the price of beef at this time of the year, but the price is fully two cents a pound higher now than it was a week ago. A factor in the price of beef, it was pointed out, was the cost of feed, grass-fed cattle being of little account as beef compared with grain-fed stock. The butchers said that with their high-priced customers the present conditions made no difference. Those who wanted the best beef and were willing to pay whatever price was necessary got what satisfied them and ordered without regard to price. But customers of less means were meeting with more difficulty, and the poor had in many instances ceased buying altogether. Retail butchers who

are neither very large nor very small dealers, finding their business falling off, have ceased buying largely, and in consequence have found that what they are receiving is not the very best of beef, for the wholesaler takes greater pains to please those who continue to be heavy customers than those whose custom is of less importance."

As an offset to the temperance movement, so strong of late throughout Ontario and the West, letters have been published in the daily press advocating the use of less meat—or none at all,—on hygienic grounds. This is all very well on paper, but it would take a man of a very strong will to so govern himself that, while he thoroughly believed that the use of flesh meat was injurious, he could continue to do as much manual labour on other substitutes.

BRITISH BUDGET FIGURES.

The usual statement as to the year's revenue has been issued in anticipation of the budget. The total revenue of the year, besides local taxation accounts, says a London cable was £142,997,999 actually paid into the exchequer. In the previous financial year, April 1, 1900, to March, 31, 1901, the total revenue was £130,384,684 paid into the exchequer. The total revenue paid into the exchequer in the year just closed therefore shows a net increase of £12,613,315.

The estimates of the year's revenue made by the Chancellor of the Exchequer when he introduced the budget last year was as follows:

First estimate of taxation (before imposition of new taxes)	£132,255,000
New taxation:	
2d. on income tax	3,800,000
Sugar duty	5,100,000
Coal duty	2,100,000
	<hr/>
	£143,255,000

In consequence, however, of modifications subsequently made in the coal tax, the estimate of receipts from this source was reduced by £800,000, making the estimated revenue for the year, payable into the exchequer, £142,455,000. As stated above, the actual revenue is £142,997,999, so that there is a surplus of revenue over estimate amounting to £542,000.

The following table shows the sources from which the revenue has been derived, and the increases or decreases as compared with the previous year:

	Revenue.	Dash shows
	1901-2.	increase.
Customs	£30,993,000	— 4,731,000
Excise	31,600,000	1,500,000
Estate, etc., duties	14,200,000	— 1,220,000
Stamps	7,906,000	25,000
Land tax	725,000	30,000
House duty	1,775,000	— 55,000
Property and income tax	34,800,000	— 7,880,000
Post office	14,300,000	— 500,000
Telegraph service	3,490,000	— 40,000
Crown lands	455,000	45,000
Receipts from Suez canal shares and sundry loans	869,633	— 39,558
Miscellaneous	1,990,999	252,243
	<hr/>	<hr/>
	£142,997,999	— 12,613,315

Although the total revenue is within £600,000 of the Chancellor of the Exchequer's estimate, when the details are compared with the estimates there are some curious discrepancies. The Chancellor of the Exchequer's estimate was made up as follows:

	Estimates.	Actual
	Revenue.	Revenue.
Customs	£30,000,000	£30,993,000
Excise	33,100,000	31,600,000
Estate etc., duties,	14,000,000	14,200,000

Stamps	8,000,000	7,800,000
Land tax and house duty	2,500,000	2,500,000
Property and income tax	33,800,000	33,400,000
Post office	14,300,000	14,300,000
Telegraph service	3,450,000	3,490,000
Crown lands	475,000	455,000
Receipts from Suez Canal shares and sundry loans	830,000	869,633
Miscellaneous	2,000,000	1,990,366
	<hr/>	<hr/>
	£142,455,000	£142,997,999

Comparing the items of this estimate with the actual receipts, as shown in the previous table, it will be seen that the revenue from excise has failed to reach the estimate by exactly a million and a half, while the receipts from customs have exceeded the estimates by nearly a million, due to the rush to import sugar before any increase in the duty, and those from property and income tax by just a million.

The total issues of the exchequer during the last quarter of the year, including a balance now in the exchequer of £3,228,029, amounted to £68,141,757.

The estimated expenditure of the year just closed, including supplementary estimates, was £196,843,000, leaving a deficit of £53,845,111, to be met by loan and suspension of the sinking fund.

ANOTHER HUGE STEEL TRUST.

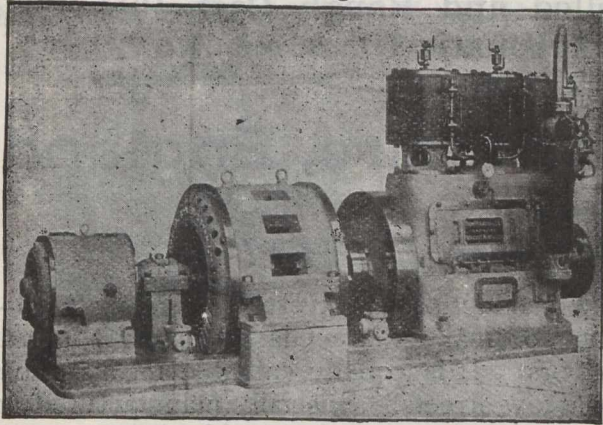
That steel is King in the United States has certainly been proven of late, but that there is to be more than one king on the throne appears evident, at least until such time as another absorption may take place. We learn from New York that arrangements have been completed for the formation of a big competitor of the United States Steel Corporation. The new company will be incorporated in Trenton this week, and will have a capital of \$200,000,000, consisting of \$100,000,000 preferred and a like amount of common stock. The new company will take in a large number of independent blast furnaces and steel mills in the East and Middle West which were not taken into the Steel Trust. The promoters of the combination are said to be E. H. Jennings, of the Pittsburg Bessemer Coke Company; H. C. Frick, of the Youngstown Iron Sheet and Tube Co., and E. Y. Humphrey, of Pittsburg. E. N. Ohl, of New Castle, Pa.; Edward J. Bird, of Iron-ton, O., and E. Gifford Ladd, the promoter of the American Bridge Company, are also reported to be prominent factors in the movement.

It is said that when the movement was inaugurated about a year ago the intention was to take in a number of bridge companies, but this proposition has been somewhat upset by the unexpected death of Frank Conger. The concerns that have agreed to consolidate are alleged to have earned fully \$12,500,000 net during the last year. It is announced that they include the following: Blast furnaces—Girard Iron Company, Mattie Furnace, estate of A. Byers; Andrews & Hitchcock, Hubbard Furnace, Hubbard, Ohio; Ohio Iron & Steel Company, Mary Furnace, Lowellville, O.; Brier Hill Iron Company, Brier Hill Furnace, Youngstown, O.; Cherry Valley Iron Company, Cherry Valley Furnace, Leetonia, O.; Cherry Valley Furnace, Middlesex, O.; Youngstown Steel Company, Tod Furnace, Youngstown, O., all in the Mahoning Valley, and the Punxsutawney Iron Company, Punxy Furnace, Punxsutawney; Dunbar Furnace Company (two), Dunbar Furnace, Dunbar, Pa.; Stewart Iron Company, Limited, Stewart Furnace, Sharon, Pa., and Belfont Furnace Company, Belfont, O.

Mills—Kelly Nail & Wire Company, Iron-ton, O.; Norton Iron Works Company, Iron-ton, O.; Belfont Iron Company, Iron-ton, O.; Marting Coal & Iron Company, Iron-ton, O.; Ashland Steel Company, Ashland, Ky.; Cuyahoga Wire Company, Akron, O.; Summit Wire Company, Akron, O.; La Belle Iron Works, Steubenville, O.; Phoenix Iron Works, Phoenixville, Pa.; Troy Steel Company, Troy, N.Y.; Riter & Conley, Pittsburg; Carbon Steel Company, Pittsburg; Youngstown Iron Sheet & Tube Company, Youngstown, O.; Howe & Polk (Tubing), Danville, Pa.; Central Iron Works, Harrisburg, Pa.; Waukesha Sheet Steel Company, Waukesha, Wis.; Boston Bridge Works, Boston, Mass.; King

Telegrams: "MAGNETO," Bradford.

ROSLING, APPELEBY & FYNN,



LIMITED.

TRAFALGAR WORKS.

Bradford,
Yorkshire, England.

Bridge Company, Cleveland, O.; Phoenix Bridge Company, Philadelphia; National Bridge Company, Canton, O. and Groton; Bessemer Coke Company, Pittsburg, Pa.; Brotherton & Sunday Lake Mines, Michigan; Biwabik Ore Company, (part interest), Mesaba; Mahoning Ore Company (part interest), Mesaba, and Union Limestone Company (part interest), Ohio.

The original plan which those interested had in mind, the report adds, was the amalgamation of some forty mills and furnaces. This plan has been materially changed primarily because while all the properties intended to be taken over are making very large profits at current prices their location is of a disintegrated character so that the policy of concentration could not be successfully carried out. It is only with a view to the permanent future advantages that would be obtained that the best independent mills could, with justice to themselves, consider such a union. The litigation over the title to the Aetna furnaces at Iron-ton and the Hartman Company complications at Newcastle were of minor consequence. The Hartman plant would not have been included by the Cuyahoga mills were considered desirable except for complications existing between them and the Union Trust Company, receivers, of the Hartman Company at Pittsburg and the City and Hanover banks here. The Troy steel plant is superior as a plant to the general belief. It is certain that other of the independent mills and furnaces will unite.

Pittsburg dispatches of later date state that the accuracy of the above is denied by several concerns in that city.

QUININE HIGHER.

The public sale of Java quinine took place at Batavia on the 9th instant, and the average price was higher than that paid at the sale held on March 5, being twenty-three and one-quarter florins, as against twenty-one and one-half florins. Comparative prices, as reproduced from the Oil, Paint and Drug Reporter, will be found in the following table:—

	1901. Average. Florins.	1902. Average. Florins.
January	Postponed.	Postponed.
February	20½	20½
March	No sale.	21½
April	22¾	23¼
May	23⅞	—
June	23½	—
July	21½	—
September	20	—

October	20½	—
November	20	—
December	20¼	—

A much firmer feeling was manifest when the result of the auction became known, and holders of Java quinine advanced their prices. The prices quoted by the New York manufacturer were also advanced to the basis of thirty cents an ounce for bulk. It was expected that the two Philadelphia makers and the German manufacturers would advance their quotations to the same basis, but up to this time these people still quote twenty-eight cents, neither the foreign nor domestic makers appearing to be anxious to take the initiative. It is regarded, however, as only a question of time before all will quote the higher figure, and some people look for a general advance on Monday at the very latest, although it is possible that no further price changes may be made until after the cinchona bark auction at London on Tuesday of next week.

In consequence of the unsettled condition of affairs noted above, there is no activity whatever in the quinine market at present. It is understood that although the Germans are quoting twenty-eight cents, only regular customers are being supplied with goods at this figure, and that only comparatively limited amounts will be released. The sale of a round lot of Java is reported to have taken place half a cent below manufacturers' prices, and a smaller quantity half a cent above. Some holders of Java have withdrawn quotations until the market becomes more settled. —The London monthly cocoa butter auction, which had been postponed on account of the Easter holidays, took place on the 8th instant, and went off at an advance, the average price being twelve and five-sixteenths pence per pound, against an average of twelve and one-quarter pence paid at the March sale. The following tables gives comparative prices:—

	Amsterdam Dutch cts. Per ½ kilo.	London. Pence. Per lb.
1901.		
April	71¼	13 8-16
May	77	14 9-16
June	85	17 3-16
July	87	17
August	86	16 8-16
September	84	16 4-16
October	78	14
November	74	12 10-16
December	69	12 10-16
1902.		
January	71	12 10-16
February	69	12 6-16
March	64	12 4-16
April	67	12 5-16

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:

**POCKET NOOK,
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.

WELLINGTON COUNTY BECOMING FAMOUS.

While Wellington County, Ont., is noted, far and near, for its prime beef cattle, something, doubtless, in the pasture or growth of cereals in that vicinity being responsible for this preference, the county is also becoming equally celebrated for the highest perfection in the growth of potatoes. Mr. C. J. McMillan, of Hillsburg, known throughout Ontario, as the "Potato King," shipped many carloads of this stock to Montreal and vicinity during the past few months, a late shipment of several cars being made to the firm of Lefebvre & Mahon, of Howick, Que., who, in turn received, we are told, a considerable premium over the highest market price.

THESE FIGURES SHOW WELL.

Canada's foreign trade continues to show an increase. For the nine months of the present fiscal year, ended March 31, the aggregate was \$302,498,000, as compared with \$282,297,000 for the same period of the previous twelve months, a gain of \$20,200,000. The imports for the nine months were \$140,732,000, being an increase of \$11,720,000. The exports of Canadian merchandise only, excluding coin and bullion, show an increase of \$9,075,000, the figures being \$144,546,873, as against \$135,471,000 for the previous nine months. The imports for last March amounted to \$17,021,000, or \$2,495,000 better than for the same four weeks of 1901. The exports of domestic merchandise for the month totalled \$9,346,652, a gain of \$364,000. Taking up the domestic exports for the nine months, it will be seen from the comparative statement given below that nine products diminished by \$2,443,000; products of the fisheries made a gain of over \$3,000,000; forest products increased by \$1,242,000, and animals and their produce by nearly \$1,500,000. Agricultural products show a growth of \$4,436,000. Manufactures boast a betterment of \$1,396,000, and miscellaneous exports decreased. The following are the imports and exports in detail:

Imports for Consumption—Month of March—		
	1901.	1902.
Dutiable goods	\$9,636,145	\$11,176,808
Free goods	4,889,422	5,844,662
Totals	\$14,525,567	\$17,021,470
Coin and bullion	61,372	107,112
Grand total	\$14,586,939	\$17,128,582
Duty collected	2,668,152	3,073,437

Nine months ending March 31st—

	1901.	1902.
Dutiable goods	\$78,001,163	\$85,545,747
Free goods	51,010,958	55,186,962
Total	\$129,012,121	\$140,732,709
Coin and bullion	3,328,946	4,670,936
Grand total	\$132,341,067	\$145,403,645
Duty collected	21,532,314	23,565,530
Domestic exports—month of March—		
	1901.	1902.
The mine	\$1,532,756	\$1,481,517
Fisheries	424,843	607,180
Forest	850,319	904,440
Animals and their produce	2,790,377	2,785,237
Agriculture	2,177,745	2,187,037
Manufactures	1,205,964	1,376,241
Miscellaneous . . . . .	.....	5,000
Total merchandise	\$8,982,004	\$9,346,652
Coin and bullion	25,478	.....
Grand total exports	\$9,007,482	\$9,346,652
Nine months ending March—		
	1901.	1902.
The mine	\$28,542,386	\$26,098,560
Fisheries	8,392,986	11,405,618
Forest	21,902,746	23,144,749
Animals and their produce	45,544,278	46,989,163
Agriculture	19,640,901	24,077,785
Manufactures	11,405,050	12,801,194
Miscellaneous	42,923	29,804
Total merchandise	\$135,471,270	\$144,546,873
Coin and bullion	212,651	.....
Grand total	\$135,683,921	\$144,546,873

BRITISH COLUMBIA TRUST CO.

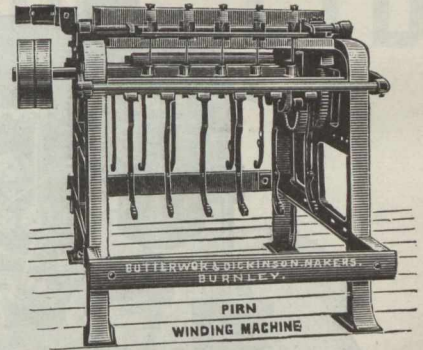
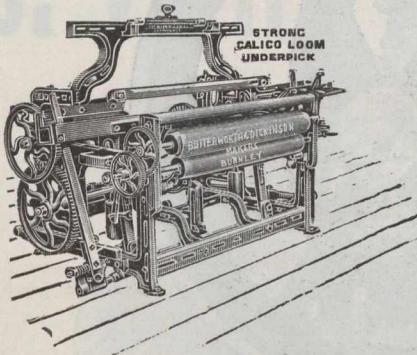
On a visit to Montreal a few months ago, Mr. Henry Lye, formerly well known in insurance circles here, informed a few of his friends they should hear of him in the Pacific Province ere long. The following from the Vancouver World of recent date shows that he is as good as his word: "A special general meeting of the shareholders of the British Columbia Trust Co., Ltd., was held at the office of the company in the Mackinnon block on Monday, April 7, at

Butterworth & Dickinson,TELEGRAPHIC
ADDRESS :

"Globe Burnley,"

Globe and Saunder Bank Iron Works,
Burnley, England.A. I. and
A. B. C.
Codes.

Makers of all kinds of

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.

which Messrs. W. Braid, Henry McDowell, Sir Charles Hibbert Tupper, J. W. McFarland, Francis Carter-Cotton, A. R. Thomas and Henry Lye were elected directors; and at a subsequent meeting of the directors, Sir Charles Hibbert Tupper was elected president, Mr. Francis Carter-Cotton vice-president, Mr. Henry Lye managing director, and Mr. Alfred E. Lye, secretary. Mr. John F. Helliwell is the shareholders' auditor. It is proposed to increase the capital to \$100,000, to advertise for a site for a building, or for the lease of a building suitably equipped for an office with safety deposit vaults, and to increase the number of directors." The promoters have similar prosperous concerns to imitate.

DAIRY PRODUCE.

A private London circular, date 4th instant, treating of the dairy produce situation, says: Butter.—The climatic conditions prevailing all over the butter exporting countries of Europe and also over the United Kingdom have been more spring-like than they were last week, but there are yet no signs of new season's grass butter appearing in our markets. There has been more briskness in the New Zealand market this week, especially at its close, and consequently prices are if anything firmer than they were before Easter. There is every indication that retailers have almost exhausted their stocks and are obliged to come on the open market to replenish their supplies. There is no quotable change in prices, but the tone of the market is decidedly better and it looks very probable that next week a rise in values may occur. In the North of England, where Danish and New Zealand butters are largely retailed at the same price, it is difficult to understand why buyers should not purchase New Zealand in preference to Danish, as it can be had from 6s to 10s per cwt. less money. The Gothic has left New Zealand with nearly 7,000 boxes of butter on board, and it is believed this is the last shipment this season. She is due in London on 7th May. The import of colonial butter for March, 1902, was 36,162 cwts., against 77,617 cwts. last year. The Australian deficiency being 41,668, the New Zealand 2,171, while Canadian shows a surplus of 2,384 cwts., leaving a net colonial deficiency of 41,455 cwts.

The Danish Committee has left the Copenhagen Official Quotation again unchanged at 96 kroner, being the same as last year. It would appear from the Report that the Si-

berian butter season has really begun, and that the report of accumulated supplies was inaccurate. The report also suggests that the customs returns of the imports of Dutch butter last week must be wrong. To increase from 3,800 cwts. one week to 10,800 the next is impossible and requires explanation. The Danish import fell off nearly 4,000 cwts., and though it was holiday week, this fall may have something to do with the Dutch increase. The Argentine import was only 1,530 cwts.

Cheese.—The demand for Canadian and New Zealand cheese continues good. Canadian choicest is selling at 56s, and New Zealand First Government, grade at 54s, with a few lots at 55s. Stocks in the United Kingdom are very small, while it is reported that in Canada they are unprecedentedly light. The Gothic is bringing about 4,000 crates of cheese. Corresponding week, 1901, choicest Canadian cheese was quoted at 46s to 48s, and finest at 44s to 45s.

THE RAW SILK MARKET.

Late news from the manufacturing centres say that the general run of reports of business passing in raw silk show that there has been a fair general demand during the past week, better in most quarters than was noted the previous week. There is fair evidence that a number of manufacturers have run low on stock and will be compelled to purchase for immediate requirements. Inquiries have been numerous and in some instances have resulted in fair orders. Buyers are keeping in close touch with the market and hoping that prices may show a slight turn in their favor. The European markets have shown a greater firmness than of late and buyers are beginning to realize that there is little to warrant any expectation that lower prices than the present will rule at the time of the crop. This is shown by the fact that there is not only a more generous demand for June, July and August delivery, but that offers have already been made for as late as September, October and November delivery even. Manufacturers in Europe, too, are beginning to show a greater interest in the market, perplexed at its unwonted firmness at this period, and with the continued large consumption and greatly diminished stocks of raw material there is little doubt that the end of this season will be marked by gradually stiffening prices. The Yokohama market has been favored with more demand during the past week, but stocks are now very

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

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

Patricroft, Manchester, England.

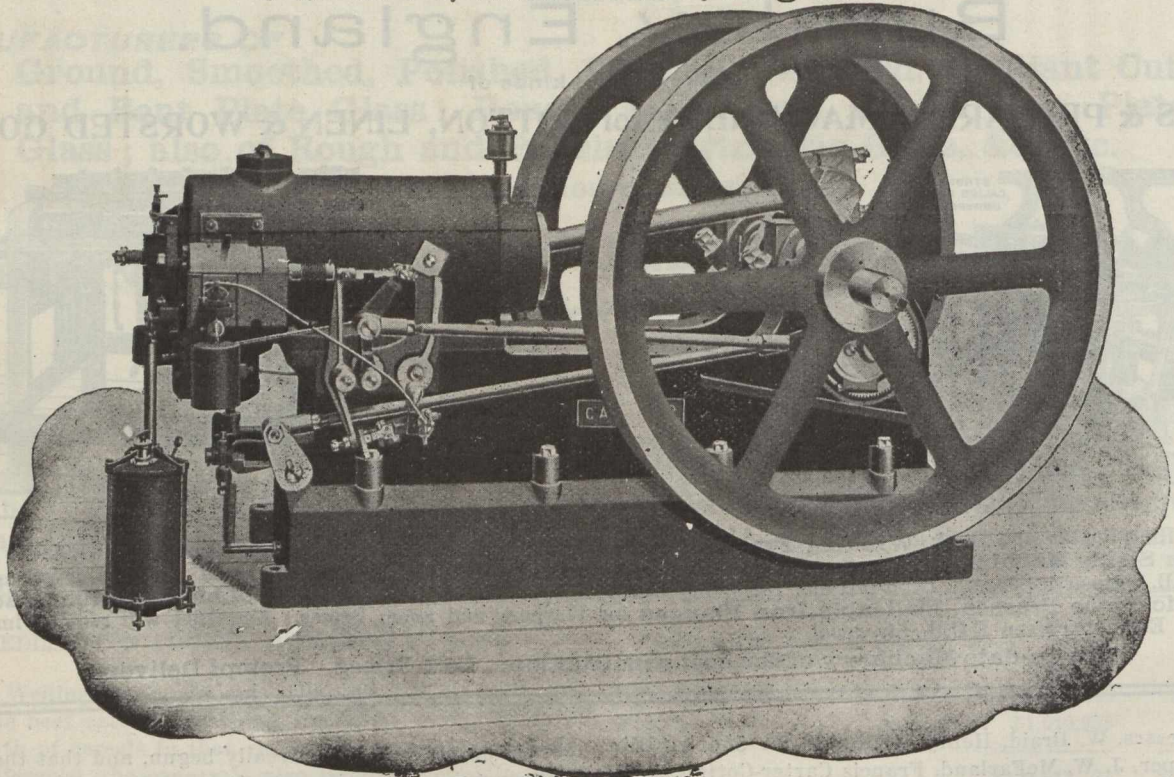


Photo of 20 B. H. P. Oil Engine.

Makers of :

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

LONDON OFFICES AND SHOWROOMS,

Engines from $\frac{1}{2}$ B. H. P.
Horizontal and Vertical,
Tube Ignition with Ignition Valves.
Electric Ignition.

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

87 QUEEN VICTORIA STREET, E. C.

poorly assorted, which renders business difficult. Prices have, if anything, stiffened somewhat and offers have been turned down which would have been accepted last week. Advices from Canton report the market fairly active, without notable change in prices. The season there is now nearing its end and there is little stock left.

RUBBER ADULTERATION.

India rubber in its raw state probably provides one of the most flagrant cases of adulteration on record, says the Electrical Review. Pebbles placed in the centre of the "nigger head" variety to make weight, and the same on subsequent detection, by cutting the ball in two, being relegated to the two halves, such that the inspector's knife fails to reveal their presence, are familiar cases of fraud now almost played out. The latest system adopted by the native collectors applies more especially to fine Para rubber, and consists in a judicious mixture of farina flour with the caoutchouc while in a milky state. This flour is employed as food by the natives, and is frequently added in such quantities that its presence is immediately apparent on cutting into the mass. Smaller adulterations are readily rendered apparent by applying a solution of iodine, applied with a brush to the surface of the suspected rubber causes the latter to turn a deep blue. So common has this species of adulteration become that a 10 per cent. admixture of farina flour is regarded by the importers as fair, usual quality. In view of this wholesale reduction in the quality of imported rubber it behooves electrical buyers, such as cable makers, to be very careful in their examination of consignments before accepting them as bona fide. The fault does not lie with the importers altogether, and possibly, if buyers combined to exclude such rubbers from the market, the evil might be remedied, or at least reduced.

PROCTOR'S THEATRE.

The success of the Living Art Studies at Proctor's Montreal Theatre is now assured and hopes have been expressed by a great number of the patrons of this popular theatre that they will be kept on for some time. Mr. Proctor, who owns the largest theatrical circuit in the world, has also engaged a first-class orchestra, which renders both classic and popular music before and during the performance. Paley's Kalatechnascope is amongst the attractions once more and proves a great drawing card. In spite of these numerous changes and additions the prices remain the same, ladies being admitted in the afternoons for ten cents, except on Saturdays and holidays. Special retiring rooms are provided for the ladies and everything possible is done for the comfort of the patrons.

FIRE LOSSES.

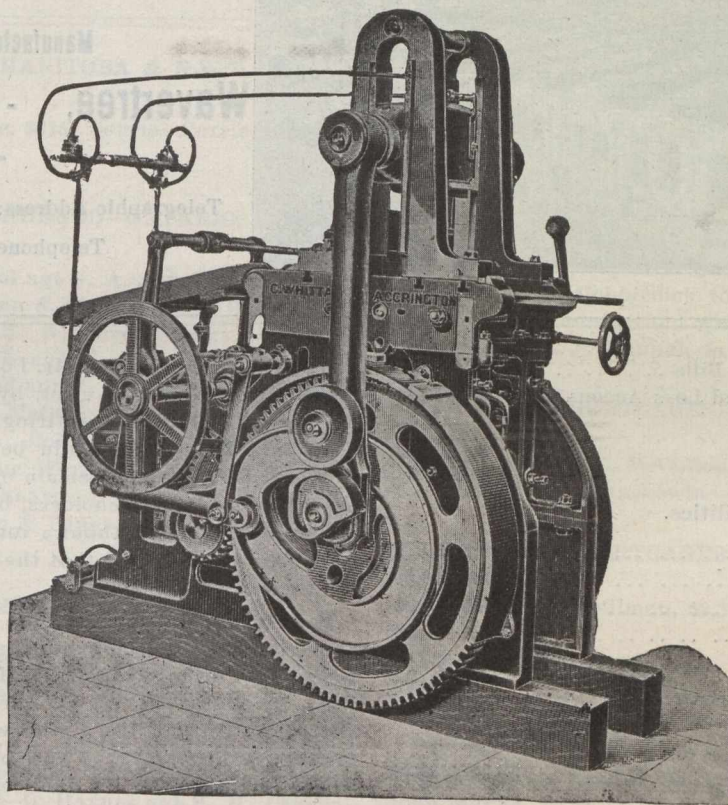
Woodstock, Ont., April 13.—Fire destroyed the Kensington Creamery, north of the C.P.R. depot. The building and plant were owned by H. Smith, of the City Dairy Company, Toronto. Preparations had just been made to begin operations for the season.—Oshawa, 13.—Stable on the farm of Norman Buss, in the Township of East Whitby, about three miles from Oshawa, burned, together with twelve head of cattle, several pigs, one horse, all the seed grain, implements, etc. The fire was the work of an incendiary. The loss on buildings and contents is estimated at \$2,200; insurance, \$1,000.

—Mr. W. E. Doran of this city, architect, has been appointed to the position on the Harbour Board, vacant through the death of the late Alderman William Farrel.

..Clay-working Machinery..

Manufactured by

G. WHITTAKER & CO., LTD.



Dowry Street
Iron Works,

ACCRINGTON Lancashire, England.

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

Meetings, Reports, &c.

WESTERN BANK OF CANADA.

The Twentieth Annual Meeting of the Shareholders of the Western Bank of Canada, was held at the Head Office of Bank, Oshawa, Ontario, on Wednesday, April 9th, 1902.

The following shareholders were present: John Cowan, Esq., W. F. Allen, Esq., Thomas Paterson, Esq., Dr. McIntosh, R. S. Hamlin, Esq., Thomas Miller, Esq., John McLaughlin, Esq., C. W. Scott, Esq., W. F. Cowan, Esq., T. H. McMillan, Esq., Geo. Porter, Esq., R. Dillon, Esq., and Thos. Conant, Esq.

The President, John Cowan, Esq., occupied the chair, and Mr. T. H. McMillan acted as Secretary to the meeting.

REPORT.

The Directors have pleasure in submitting the Twentieth Annual Report for the year ending 28th February, 1902.

The earnings of the Bank have been in excess of any previous year. The net profits of the year have amounted to \$50,325.58, or about 12½ per cent. upon the average paid up capital of the Bank, which, added to the balance carried forward from the previous year of \$11,175.93, amounts to \$61,501.51.

Out of this sum two half yearly dividends of 3½ per cent.

each have been paid, absorbing \$28,565.97, \$16,000 carried to the Rest Account, \$12,857.33 to the credit of past due paper, and \$4,078.21 has been carried forward to the credit of Profit and Loss.

The Deposits of the Bank have increased \$490,279.08, and the circulation \$13,800, and the gross assets \$530,452.80 over the previous year. The losses of the year have been below the average of previous years.

The Rest Account of the Bank now stands at \$150,000, or about equal to 36 per cent. of the paid up capital.

The Agencies of the Bank have been recently inspected and found in a satisfactory condition.

JOHN COWAN, President.

Oshawa, 9th of April, 1902.

STATEMENT OF ASSETS AND LIABILITIES.

On the 28th February, 1902.

Dr.

Statement of Profits for the year ending 28th of Feb., 1902.	
Balance at Credit of Profit and Loss Account on	
the 28th February, 1901	\$11,175.93
Net Profits of the year	50,325.58
	<hr/>
	\$61,501.51

Cr.

To Dividend No. 38	\$14,045.19
To Dividend No. 39	14,520.78
Carried to Credit of Rest Account	16,000.00

ESTABLISHED 1848.

M. WOODWARD & SONS, Ltd.,

WHOLESALE & EXPORT

Manufacturing Confectioners,

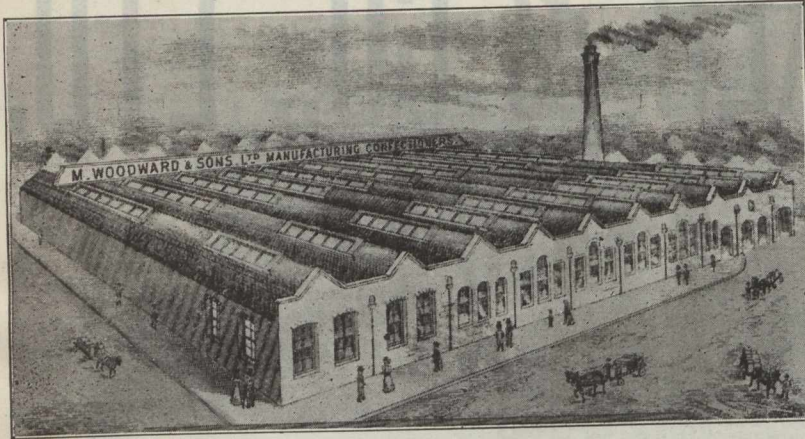
—
Manufactory and Office :

Wavertree, - Liverpool, Eng.

—

Telegraphic Address: "TOXTETH, Liverpool."

Telephone 44, Wavertree.



Carried to Credit of Past Due Bills	12,857.33
Balance at Credit of Profit and Loss Account ..	4,078.21

\$61,501.51

Liabilities.

Capital Account	\$418,239.77
Rest Account.. . . .	150,000.00
Notes in Circulation	366,110.00
Deposits with Interest	2,397,949.90
Due to Dividend No. 39	14,520.78
Reserved Interest	1,356.22
Profit and Loss Account	4,078.21

\$3,352,254.88

Assets.

Specie	\$27,386.57
Legals	24,661.25
Notes and Cheques of other Banks	20,062.76
Due from other Banks in Canada	582,651.75
Due from Banks in Foreign Countries	15,918.82
Deposit with Dominion Government to secure Circulation with interest	20,819.73
Due from Royal Bank, London	30,810.80
Dominion and Provincial, Municipal and other first-class Debentures	881,558.56
Assets Readily Convertible	1,603,870.24
Bills Discounted Current	1,679,505.08
Real Estate	15,122.11
Mortgages on Real Estate	26,700.00
Banking Premises	12,242.40
Office Safes and Furniture.	14,815.05

\$3,352,254.88

T. H. McMILLAN, Cashier.

Moved by the President, and seconded by the Vice-President, that the Report as read be adopted, printed and circulated among the Shareholders.—Carried.

Mr. Conant, seconded by Mr. Dillon, moved, that the thanks of the Shareholders are due and are hereby tendered to the President, Vice-President and Directors of the Bank for the manner in which they have conducted the affairs of the Bank during the past year.—Carried.

Mr. Paterson, seconded by Mr. Scott, moved, that the thanks of the Shareholders be given to the Cashier and other officers of the Bank for their attention to the interests of the Bank.—Carried.

Mr. Miller, seconded by Mr. Porter, moved, that this meeting do now proceed to elect, by ballot, seven Directors to fill the place of those retiring, and that Messrs. C. W. Scott and John McLaughlin be scrutineers for said election, and that the poll remain open for one hour to receive the votes of the Shareholders, but that should five minutes elapse at any time without a vote being taken the poll shall be declared closed, and that the Scrutineers be paid \$4 each for their services.—Carried.

The Scrutineers reported the following seven gentlemen as having received the unanimous vote of the Shareholders, viz.: John Cowan, Esq., R. S. Hamlin, Esq., W. F. Cowan, Esq., Dr. McIntosh, W. F. Allen, Esq., T. Paterson, Esq., and J. A. Gibson, Esq., who were duly elected Directors for the ensuing year. A vote of thanks was then tendered to the Chairman for his able conduct in the chair, and the meeting then adjourned.

At a subsequent meeting of the new Board, John Cowan, Esq., was unanimously elected President, and R. S. Hamlin, Esq., Vice-President.

LEGAL RECORD.

The following is a record of transactions and cases in our Canadian courts of law, comprising Writs Issued and Judgments Rendered for sums of \$300 and upwards (Montreal, from \$175 and upwards), and Chattel Mortgage 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

WRITS ISSUED—ONTARIO.

Charlottenburgh Tp.—G. H. McGillivray et al exrs vs D. McKenzie et al, \$621; Grey Tp.—W. H. Cook vs E. Smith, \$2,500 damages; Hamilton—Can. Switch & Spring Co. vs John Patterson, \$313; Markham Tp.—M. Carleton vs Daniel Pool et al exrs, \$3,118; Pickering Tp.—A. A. Littlejohn vs Geo. Tool et al, \$308; Rolph Tp.—R. C. Millar vs Thos. Carol, \$500; St. Catharines—Gordon, Mackey & Co. vs J. O'Hara and Ann Dunn, \$432; Toronto—Beck Mfg. Co. vs J. S. Hatton, \$1,498; Mary Bell vs C. T. Pearce et al, \$1,026; Windsor—P. Martin vs S. & E. White, \$340; Woodstock—E. J. Hartford vs W. H. Willson, \$509; Brockville—J. Smart vs G. A. Dana et al, \$360; Hamilton—C. Hunt vs C. J. Jolley, \$10,000; St. Onge—H. A. Anderson et al vs Wm. and Louis Cochrane, \$434; Toronto—A. C. Morrison vs Dominion of Can. Guar. & Accid Ins. Co., \$510.

VENTILATORS & SMOKE CURES

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

"Acme" Mechanical Ventilator. SPHERICAL VENTILATORS.

Fig. 8.—Section. Acme Patent Concealed Ridge Ventilator Outlet. **1/2 FULL SIZE**. Tests and comparison invited. Made to any design. 25 YEARS' EXPERIENCE.

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

Fig. 19. ACME Door and Partition Louvre Ventilator.

Fig. 23. "Acme" Mechanical Ventilator. SPHERICAL VENTILATORS. Wave Proof. Snow Proof. No Goods GENUINE without ANY SIZE or Pattern for the TRADE MARK MIXED. Buildings, Drains, etc.

Fig. 24. Ventilation Dry Wall Inlets. Various sizes from 1/2".

Fig. 25. ACME VENTILATORS IN IRON. e'grams, 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. Prevents Downdraught. 25/- to 35/-. Suitable for all types of Smoke Chimneys. Suitable for all types of Smoke Chimneys. 3. 2.

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

WRITS ISSUED—MANITOBA & N.W.T.

Grand View—J. E. Argue, \$315; Souris—Currie and Burland, \$1,065.

JUDGMENTS RENDERED—ONTARIO.

London—Bank of Montreal agt S. A. and Geo. McDowell, \$590; Orangeville—Bell Organ & Piano Co. agt R. F. Dawson, \$1,008; Ottawa—C. & H. N. Corrette, agt Gireoux & Baily, \$1,103; Molsons Bank agt N. C. Sparks, \$16,409; Sault Ste. Marie—R. T. Kidd agt R. R. Long, \$326; Toronto—G. Percival & Co. agt G. McConnell & Co., \$324; —Sarah C. Magill agt J. A. Robinson et al, \$6,199; Goulbourne Tp.—J. Abell Engine Works agt Andrew Harten, \$5,464; Markham—W. H. Sharp et al agt W. F. Eaton, \$582; Toronto—Indiana Pulp & Paper Co. agt Jones & Co., \$5,760.

JUDGMENTS RENDERED—QUEBEC.

Montreal—The King agt P. L. H. Barre, \$200; Dme. M. Tapley et vir agt E. J. Chambers, \$296; Town of St. Paul agt Mrs. W. Eglanch, \$304; M. Tapley agt De. Alicia McGuirch, \$200; J. Paquette agt A. Robert, \$456; Ste. Therese—St. Vincent de Paul Brothers agt Cie Manf. de Meubles de Ste. Therese, \$791; Montreal—G. Haynes agt S. H. Carpenter, jr., \$259.

JUDGMENTS RENDERED—MANITOBA & N.W.T.

Gladstone—Frank and Fred. Pepper, \$354; Lethbridge—E. N. Higinbotham, \$1,161.

JUDGMENTS RENDERED—BRITISH COLUMBIA.

Victoria—C. and Fred. Patton, \$435; Victoria-Yukon Trading Co., Ltd., \$1,159.

JUDGMENTS RENDERED—NOVA SCOTIA.

Brookfield, Queens—J. S. McLean, \$320.

EXECUTIONS—QUEBEC.

Longueuil—F. Benoit agt A. St. Marie, \$582; Montreal—L. T. Leet agt Chu Lee, \$395; J. S. Lamarche agt A. J. Charlebois, \$303; J. M. Richard et al agt Alph. Pelletier, \$800; Synod of Diocese of Montreal agt Wm. Robb, \$324.

CHATTEL MORTGAGES—ONTARIO.

Dunchurch—Jas. Kelley to W. J. Carey, \$1090; Flamboro E. Tp.—M. N. Zimmerman to A. Eaton, \$665; Lanark—J. D. McInnes to J. Holliday, \$813; Lindsay—K. Davis & Co. to M. Dovey, \$2,000; Oshawa—R. V. Chubb to W. T. Chubb, \$618; Ottawa—Elizth. and J. C. Roger to L. C. Mitchell, \$1,034; Port Arthur—W. H. Hesson to G. S. Beck, \$630; St. Catharines—Jas. Fitzgerald to Security Loan & Sav. Co., \$4,893; Toronto—G. M. Collins to M. J. Collins, \$1,000; W. G. Haynes and wife to T. G. Soole, \$700; Elizth. McConnell to Supreme Court, I.O.F., \$9,107; Hy. Scholfield to Lyman Bros. & Co., \$3,093; W. H. Stone and wife to H. G.

Thorley, \$900; Max Wolfe to W. A. Cockburn, \$1,916; Aylmer—C. & R. W. Karch to W. Warnock, \$1,359; Brantford—Brown Bros. to Mary Hebden, \$772; Cannington—Mary J. Alguire to Toronto Brew. & Malt. Co., \$1,881; Galt—A. M. Edwards to G. Rutherford, \$8,000; Kingston—P. W. Donoghue to J. McPharland, \$1,000; London—J. E. Barnhart to J. C. Woods, \$895; R. Learn to S. A. Learn, \$784; Montreal—John Dubenski and wife to S. Frenkel, \$1,491; Oshawa—A. E. Cobblestick to W. H. Thomas, \$1,900; Ottawa—R. N. Venning and wife to L. C. Mitchell, \$600; St. Catharines—R. J. Hannah to Taylor & Bate, \$3,000.

CHATTEL MORTGAGES—MANITOBA & N.W.T.

Lethbridge—T. A. McCullough, \$1,800; Ocre River—H. G. Barnett, \$1,000; Wetaskewin—C. Knapp, \$300.

CHATTEL MORTGAGES—BRITISH COLUMBIA.

Nicomien—Ed. Spillman, \$2,331; Rossland—J. W. Spring, \$4,039.

BILLS OF SALE—ONTARIO.

Toronto—W. A. Cockburn to M. Wolfe, \$1,916; W. G. Mackendrick to Sand & Dredging, Ltd., \$3,300; Beaverton—John McRae, to W. J. McIntyre et al, \$3,600; Neustadt—L. Huether to D. Heuther, \$4,500; Oshawa—Oshawa Canning Co. to Oshawa Canning Co., Ltd., \$9,384; Oshawa Canning Co. to Oshawa Canning Co., Ltd., \$35,000; Toronto—Annie Russell exrx to F. Russell, \$15,000; Toronto General Trusts Co. exrs, to Mary J. Simmers, \$2,500.

BILLS OF SALE—BRITISH COLUMBIA.

Boanaparte—L. Doxat, \$6,000.

BILLS OF SALE—NEW BRUNSWICK.

Campbellton—W. R. Riddell, \$709.

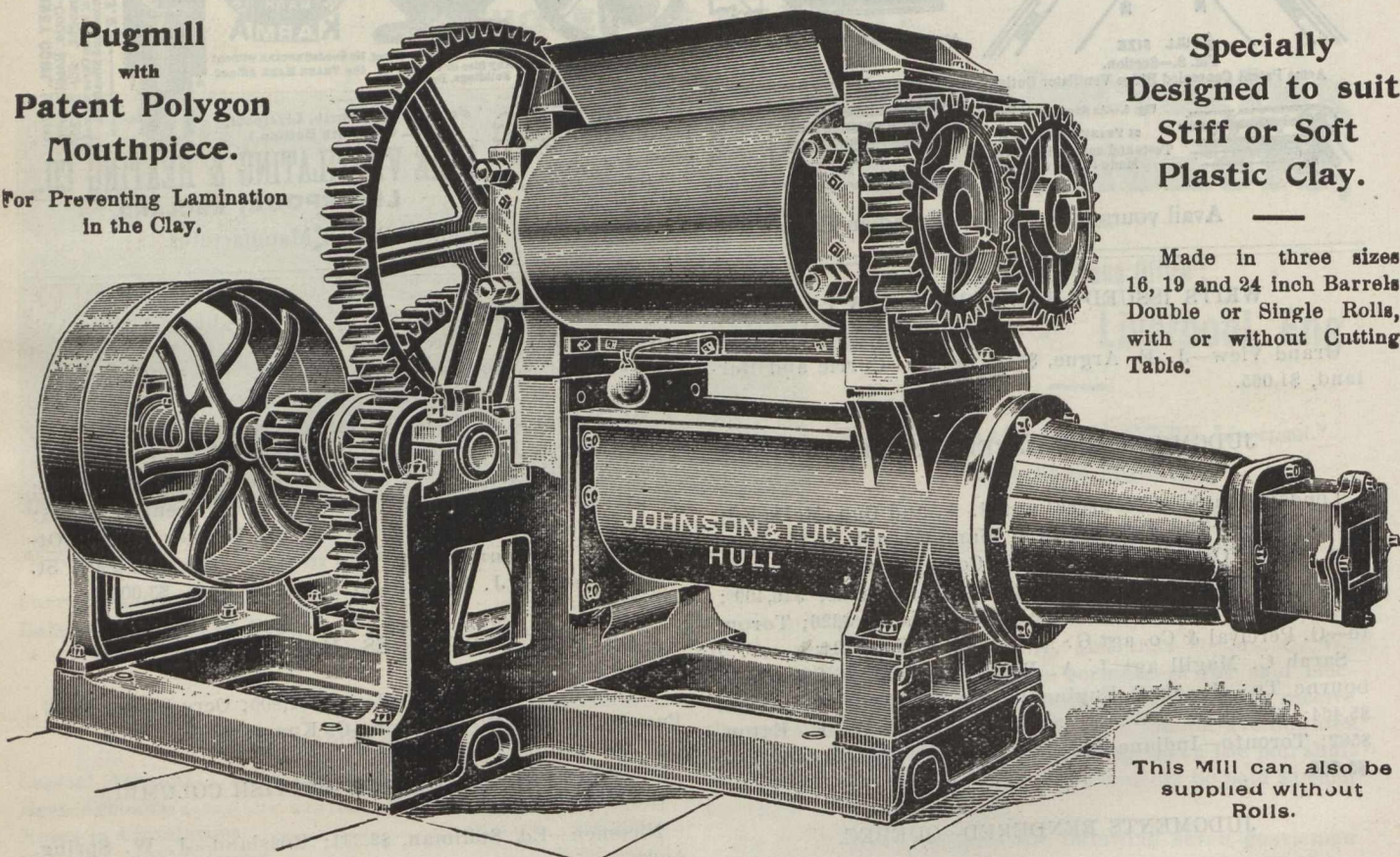
—The Insular Division of the U. S. War Department has prepared the following extract from its regular monthly bulletin, showing, in comparative form, the commerce of the Philippine Islands for the eleven months ended November 30, 1901, and 1900. The total value of merchandise imported during the eleven months ended November 30, 1901, was \$27,249,813, as against \$22,432,474 for the corresponding period of 1900; and the exports of merchandise during the eleven months ended November 30, 1901, amounted to \$23,266,180, as against \$21,069,566 for the same period of 1900. These figure show an increase of 21 per cent. in the imports and 10 per cent. in the exports. Gold and silver were imported during the eleven months ended November 30, 1901, to the value of \$5,813,519; same period of 1900, \$2,886,321; exported during the 1901 period, \$1,152,612; corresponding period of 1900, \$3,739,482. The value of merchandise coming from the United States for the eleven months ended November 30, 1901, was \$3,190,976, an increase of \$1,199,597, over the corresponding period of 1900, while the exports for the period of 1901 amounted to \$4,181,407, an in-

Johnson & Tucker

Wilmington,
Hull, England.

(Late SHEPHERD, HILL & Co.,

Pugmill
with
Patent Polygon
Mouthpiece.
For Preventing Lamination
in the Clay.



Specially
Designed to suit
Stiff or Soft
Plastic Clay.

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

This Mill can also be
supplied without
Rolls.

crease of \$1,768,748. In the comparison by classes for these periods the import figures show an increase of about \$740,000 in articles of food and animals, this class of merchandise amounting to \$7,100,570 for the eleven months of 1901; manufactured articles to the value of \$15,932,065, a gain of nearly \$3,000,000; raw materials show an approximate increase of \$560,000, or 105 per cent.; an increase is shown in the importation of articles of voluntary use, luxuries, etc. Agricultural exports for the periods mentioned show an increase of \$1,567,721 over 1900, the exportation during the eleven months of 1901 amounting to \$20,154,247, of which \$15,218,173 is credited to hemp, the leading article of export. Manufactures increased from \$1,267,224 in 1900 to \$2,182,200, while the products of mines and forests show a decided increase in favor of the eleven months of 1901.

—Press dispatches from Liverpool assert that the rise in the price of meat there is attributed more to the prohibition of Canadian and Argentine cattle than to the operations of the American beef combination. So far as the alleged exclusion of Canadian cattle are concerned, says a New York letter, the dispatch is declared by authorities here to be in error. Mr. Moore, of Lunham & Moore, freight brokers, of this city, who make large contracts for shipping cattle, said when questioned: "There are no restrictions on Canada cattle, which are now being shipped to London and Liverpool, as well as to other ports. An entire cargo of Canada cattle, 300 head, is to-day being shipped by Canadian shippers, on the Lamport & Holt steamer Thespi from New York to Manchester. United States cattle shippers for the first time in many years are buying and shipping heavily of Canadian cattle, owing to the temporary scarcity of fat cattle in the corn belt, occasioned by the shortage of the corn crop and consequent curtailment of feeding operations since last fall. There is absolutely no foundation for the report of the meat trust or combination restricting foreign shipments. In proof of this, such shippers as have contracts are filling them as usual, but are not taking additional room owing to the high prices current on this side. Prices on this side, in conjunction with prices current abroad, govern the number of cattle shipped. Agents of the White Star and Atlantic

Transport lines pointed out that as cattle shippers are under rigid contract to ship every week a certain number of cattle, ships do not sail without their full complement of cattle. The idea of creating a scarcity of beef in England by stopping shipments from America is regarded as preposterous by cattlemen.

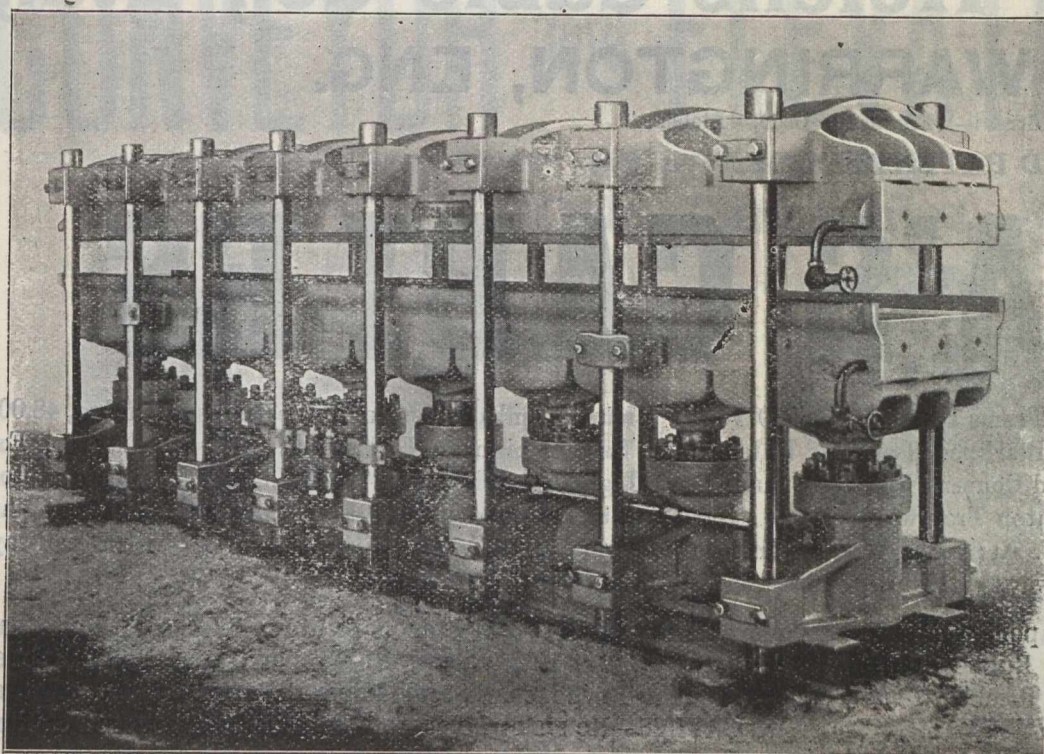
—Our correspondent at Teeswater, Ont., writes:—Several changes in business circles have taken place here. Hanson & Co. have sold out their grocery, boot and shoe business to Arthur Simpson of Kinloss, a young man off a farm, I believe.—Little & Elliott have sold out their grocery and crockery business to a young man named John McDonald, who also has hitherto been following farming as his occupation.—William Heffron sold out his butcher business to Messrs. Gates Bros.—Everyone thought we were going to have an extraordinary early spring. March was so fine and our snow disappeared so early, but the weather so far in April has been very inclement and spring work is no further on than in other years. The winter wheat is looking fairly well.

—Mr. J. F. Whitson of the surveys branch of the Ontario Crown Lands Department, has reported to the commissioner that there is on the Mississauga River in Algoma a white pine territory covering at least one thousand square miles, and which he estimates at at least three billion feet of white pine timber.. Mr. Whitson is reputed to be the best authority on timber in the employ of the Ontario Government.

—The ratepayers of Sarnia, Ont., voted on two money by-laws this week—one to raise \$3,000 for the purchase of a public library site on which to erect the \$15,000 Carnegie library building; the other to raise \$10,000 by debentures for permanent road improvements. The library by-law was carried by a majority of 28, while the road improvement by-law met defeat by 303.

—Mr. A. F. Duclos, one of the Messrs. McIntyre, Son & Co.'s European buyers, has returned home after a pro-

IDDON BROTHERS



**INDIA
RUBBER
ENGINEERS.**

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

**Engineers and
Rubber Machinists,**

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

SPECIALITIES: All kinds of Rubber Machinery.

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

Telegraphic Address: "STANDARD WIRE, SOWERBY BRIDGE."

The STANDARD WIRE COMPANY, Limited,

MANUFACTURERS OF

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

**SOWERBY BRIDGE,
ENGLAND.**

ALSO AT
DARLINGTON.

longed visit to the British and Continental manufacturing centres after securing a more than usually large stock of fresh and desirable goods for the firm's Canadian trade.—Mr. Wm. C. McIntyre has returned from a brief visit to the markets of the Atlantic cities to the South.

—Acknowledgments are due Mr. E. L. Schofield, Commissioner of Insurance, for Connecticut, for a copy of his 37th Annual Report on the Life, Accident, Casualty, Fidelity and Surety Companies of that State for the year 1901. The Report is replete with the usual able and interesting introductory comments, a review of which is regretfully postponed.

—Reference to the interesting information concerning the Weardale Steel, Coal and Coke Company (Tudhoe Iron Works) of Spennymoor, Durhamshire, England, is unavoidably held over till next issue.

—Grand Trunk Railway System — Earnings 1st to 7th April, 1902, \$546,709; 1901, \$531,124; increase, \$15,585.

—Incorporation by letters patent will be sought for the Dominion Colonization Company of Montreal, with a capital stock of \$95,000.

—It is understood that the newly-ordered Sovereign Bank, which is shortly to open in Toronto, has purchased the private banking business of Mr. John Stark of Stouffville, and will operate a branch at that place. Mr. Stark will be the Manager of the branch bank.

—At Metapedia, Que., on the 16th inst., fire destroyed the Gillis House and store, the Ferguson House and stores, the Dorion House and stores, the Catholic church and the residences

of Dr. Pinault, and Mr. Lagace, with all contents. The loss is estimated at \$75,000, with very little insurance.

FINANCIAL REVIEW.

Montreal, Thursday Ev'g.,
17th April, 1902.

The lease of the Dominion Coal Co. to the Iron & Steel Co. is a large financial event, involving a much larger amount of capital than any previous transaction in Canada. The men of a few years ago are amazed at the apparently free and easy way in which tens of millions of capital are manipulated in these days by syndicates, pools, underwriters, and are astounded at the tossing to and fro on the Stock Exchange of the shares and

bonds of industrial enterprises to the extent of millions of dollars. Time and the test of a period of depression will show how far all this wholesale financial scheming and bartering had, or had not, a sound basis. The main points in the agreement between the above companies are, the Coal Co. is leased by the Iron and Steel which undertakes to pay 8 per cent. on former's capital. This caused a rush to get an 8 per cent. stock, which caused a furore on the local 'Change. The Coal Co. will issue 5 millions more stock at 120 to take up its \$3,000,000 of bonds and \$3,000,000 preferred stock, so all Coal stock will be alike and all 8 per cent. The fixed charges on the Iron and Steel will be:

8 per cent. on \$20,000,000 Dominion Coal... ..\$1,600,000

The St. Helens Cable Co., Ltd., WARRINGTON, ENG.

Telegraphic Address:—"Filature." Code, "Lieber's."

SOLE MAKERS AND PATENTEES OF

DIA'S CABLES

As supplied for Glasgow Trams to work at 6,500 volts. Victoria Embankment and Westminster Bridge, 48,000 yards Armoured Cable. Blackpool Tramway Extensions. Salford Lighting Extensions. Glasgow Lighting Extensions, Triple Armoured Concentrics. Wrexham Town Lighting. Heywood Town Lighting. Southampton Tramway Service. Brighton Tramway Service. Bury Lighting. Cape of Good Hope Government Telegraphs. War Office. L. & N. W. Railway. Great Northern Railway. L. & S. W. Railway. North British Railway. Liverpool Overhead Railway. Rainhill (3 miles, mostly 1 sq. inch.) Winwick.

"Impregnable" Paper Cables, Lead Covered up to 3½ in. Vulcanised Bitumen Cables without Lead Covering. Vulcanised Rubber Cables. Flexibles, D.C.C., I.R. Wires. N. Rubber Tape. Pure Rubber Tape Jointing Tape. Rubber Goods for Electrical Purposes. Steel Ropes. Bare Copper. Patent Trolley Wire. "DIA'S VULCANIZED BITUMEN CABLES—No risk of electrolysis as in lead covered cables, do not decentralise"

ANNUAL CONTRACT FOR:

Exeter, Shoreditch, Sunderland, Hammersmith, Great Central Ry., Hampstead, Stepney & West Hartlepool.

NOTE—Buy British Cables, under the New Canadian Preferential Tariff, 33½ in favour of English Goods

5 per cent. on \$8,000,000 Iron & Steel bonds	400,000
7 per cent. on \$5,000,000 Iron & Steel, preferred	350,000
Total annual fixed charges on combined properties..	\$2,350,000

This is a considerable load for a young, only partially developed, manufacturing enterprise to carry in its infancy. However, the iron and steel trade is a gold mine where prosperous, so we hope the new arrangements will enhance the prosperity of the Dominion I. & S. Co. It is semi-officially denied that the trading in Iron & Steel and Coal has been speculative, which indicates a sensitiveness to the charge of speculating which could not have been expected. As neither enterprise is yet perfected in organization, and as the result of the iron and steel works is yet a problem, there is necessarily a large speculative element in dealings with these stocks.—Rumors are rife in the street, all more or less incorrect, — among them one that a man of great ability in Toronto is employing his opportunities unfairly. To this we are authorized to give a most unqualified denial. The gentleman referred to has brains enough to enable him to defy such temptations. — Pacific has made an advance to 120½, with considerable sales. Toronto Railway also has had a little boom of its own, going up to 121⅞;

Twin City to 120¾; Montreal Power, 101¾; Nova Scotia Steel, 109; Dominion Steel, 69½, preferred, 100; Coal, 145. Steel and Coal are, however, fluctuating every hour. The local market is under "Bull" influences all round. Consols are unsettled, 93⅝ to 94, are quoted. The new loan of £32,000,000 is at premium, which puts it above old Consols, but the new issue will very soon be identical with the rest of Consols of which the new loan will form a part. Money in London is plentiful at 2 to 2½ per cent.; in New York it ranges from 4½ to 5. Paris, exchange on London, 25f. 17c.; Berlin, 20m.. 48¾ pf. Local foreign exchange, 60's, 9¼; 9⅞ demand. The enormous stock business this week will swell the clearings to a very unusual height. Call loans remain at 4½ to 5, and trade discounts 6 to 6½, with questions asked, Why such a difference?

The following is a comparative table of stocks for week ending April 17th, supplied by Chas. Meredith & Co., Stock Brokers, Montreal:

Banks.	Shares.	Average same date		
		sold.	Highst.	Lowst.
Montreal	10	260	260	258
Molsons	34	207	206½	198
Merchants	47	149½	148	159¾
Miscellaneous.				
Can. Pac. Ry. xd24761		121½	114¼	95

Duluth S.S. com.	750	17⅞	17½	6
Do. pref.	100	32¾	32¾	16
Montreal St.	686	272	268	281½
Mont. Power . . . . .	.5994	102½	100	.....
Toronto St. . . . .	.2866	122	117½	109
Can. Pac. Rights	16949	4¾	3¼	.....
Twin City . . . . .	.13440	122½	120¼	74¾
Rich. & Ont. new	243	112¾	111	.....
Rich. & Ont. . . . .	.1113	117	115	112¼
Com. Cable	350	156	153	172½
Montreal Tel.	96	168	168	167
Bell Tel.	75	165	165	169
Dom. Cotton . . . . .	.1185	53	50	84
Merchts. Cotton	5	80	80	130
War Eagle . . . . .	.1000	11	11	30
Payne . . . . .	.2250	27	27	30
North Star . . . . .	.1000	23	23	55
Dom. Coal, com.	.8445	148	135	36
Loan & Mort.	37	108	108	.....
Dom. I. & S. com	55267	74	62	35¼
Do. pref. . . . .	.7585	100	94	86
N. S. Steel . . . . .	.2965	119	97	.....
Bonds.				
Com Cable reg.	.2500	97	95	.....
Mont. St. Ry. . . . .	.85500	105¾	105	.....
Dom. Coal . . . . .	.6000	110½	110½	110
Dom. I. & S. . . . .	.676000	93	91	88

MONTREAL CLEARING HOUSE.

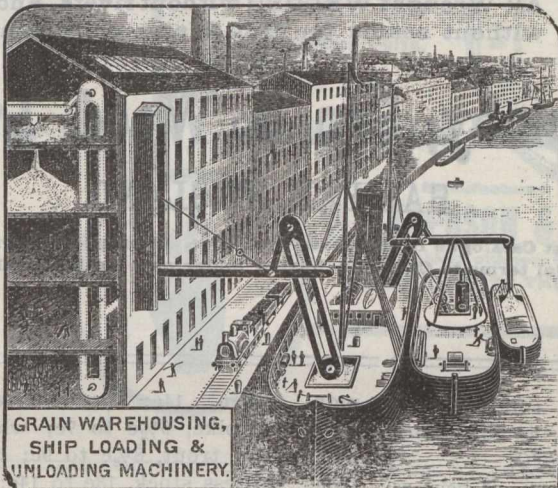
Clearings. Balances.	
For week ending	
April 17, 1902	\$21,340,472 \$23,021,978
Corresponding	
week, 1901	18,173,376 2,572,097
" 1900	12,343,246 1,530,699
" 1899	14,119,019 2,046,043

Contractors to H. M. GOVERNMENT.

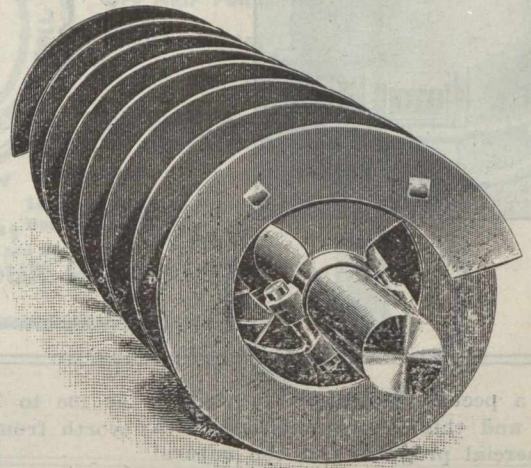
Telegrams : "CONVEYOR, ACCRINGTON."

CONVEYOR and ELEVATOR CO.

LOWER BRIDGE WORKS,
ACCRINGTON, Lancashire, Eng.



GRAIN WAREHOUSING,
SHIP LOADING &
UNLOADING MACHINERY.



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

El Padre Needles

10 Cents.

VARSAITY,

5 Cents.

The Best

~ CIGARS ~

*that money, skill, and
nearly half a century's
experience can pro-
duce.*

Made and Guaranteed by

S. DAVIS & SONS,

MONTREAL, Que.

—Ottawa Clearing House—For week ending 10th April, 1902: Clearings, \$1,999,959; balances, \$535,855.

BRAZILIAN EXCHANGE.

For week ending April 15th, 1902.

April 9	11 31-32d
10	11 15-16d
11	11 15-16d
12	11 29-32d
14	11 31-32d
15	12d

MONTREAL WHOLESALE MARKETS.

Thursday, April 17, 1902.

The present week marks the opening of navigation for the season, the Fremona having arrived on Wednesday from the Mediterranean with some 65,000 boxes lemons and oranges

which will be sold at auction here on the 25th instant. While several other vessels are now on the way to this port with like cargoes, the sale of the first large cargo, now unloading, will be the largest of the season, and will, doubtless, bring buyers here from the principal distributing centres of the Eastern and Middle Western States, as well as from all parts of Canada. We cannot speak too highly of the enterprise which was responsible for making Montreal the chief distributing point for the early Mediterranean fruit for the continent. As facilities grow, this trade will grow in proportion, and make Montreal recognized throughout the United States as the natural hub for foreign products for the continent. The people who come here as buyers are the people who are in not only the best position to speak of the commercial metropolis of the Dominion as they find it, but are the most impressive speakers because they

— Established * 1825. —

A. G. THOMSON & CO., Limited,

Highland Whisky Distillers,

Blenders and Bottlers to Wholesale Trade only.

PROPRIETORS OF

GLENCADAM DISTILLERY, Brechin, Forfarshire,

where the Best Scotch Barley only is used.

Standard Blends of Fine Scotch Whiskies, of all ages from new to 20 years old.

Buyers' own Brands or Labels alone used when desired.

Bonded Stores & Office :—44 to 64 James Watt Street, Glasgow, Scotland.

AGENTS WANTED IN MONTREAL AND TORONTO.

Telegrams :—"Lumby, Halifax, Eng."

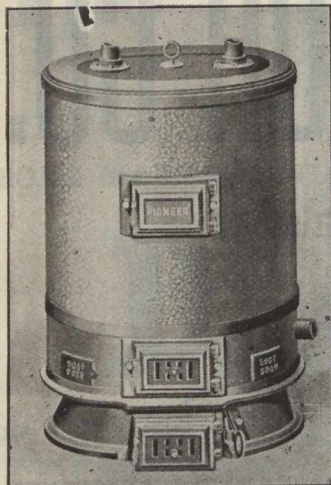
BOILERS

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



have a pecuniary object in visiting here, and this is more in line with commercial progress and the natural advantages of trade distribution, as they exist, than were they noticed by seekers after invigorating, pure air and inspiring scenery. Montreal has always seemed a long distance away from the centre of trade by those inhabitants of Southern and Western U. S. centres, whose chief path on purchasing expeditions lay south of the lakes and the St. Lawrence. Perhaps this was as well for one reason; that the more undesirable foreign element has kept pretty well aloof from our shores, and our inhabitants to-day are exclusive as being composed only of those whose aims are for progressive peace and whose abilities are gradually advancing and cementing the ties which best constitute it.

In market values but few changes have transpired during the week. Flour is steady. Leather is quiet locally, but shipments to Europe continue heavy. Hardware is brisk as usual at this season. English hemp and sisal rope have advanced. In dairy products cheese is higher, while butter is in good request, and receipts move quickly at last week's figures. Hides have again advanced. Dry goods are moving well, assisted by the possibilities of higher prices for woolsens, linens, and cottons. The wool market is practically bare of supplies and prices are advancing in keeping with the tendency abroad.

BUTTER.

Arrivals of new milk goods are showing quite an increase and give the market an easier tendency. Although there is no actual change in prices, still buyers have the advantage and the market shows weakness. Choicest Eastern is quoted at 22c to 22½c and Western at 21c to 21¾c. Dairy's are not plentiful; Townships meet with ready sale at 20c to 21c and Western at 17c to 18c. Old butter is well cleared from the market, with nothing but low grade left,

at 13c to 14c. Fresh roll butter is worth from 17c to 18c, as to quality.
CEMENTS, ETC.

Opening prices have not yet been received here. Considerable business has been done, however, 10,000 brls. Belgian, in two lots, were sold this week on local account, the price being around \$1.75. Another lot of 16,000 brls. Belgian was also sold this week for Montreal Harbour use at the same figure.

CHEESE.

The market continues to show firmness. Finest fall is quoted at 11c to 11½c; new milk fodder cheese, 10½c to 10¾c. Offerings of the latter are light yet but more liberal receipts are looked for in a few days. Shipments of cheese and butter from Portland and St. John, N.B., for week ending April 12, were:

	Cheese.	Butter.
London	2,097	46
Glasgow	919	.....
Total	3,016	46
Same week, 1901	7,876	725
Since close of navigation, 1901-1901	433,928	40,061
Same period in 1900-01	368,926	13,235

EGGS.

The market is very steady and stock is not accumulating as usual at this season. Receipts appear to go out as received; in a wholesale way at 12½c and single cases at 13c. Retailers are patiently awaiting the advancing season when eggs can be bought and sold in various grades, and a chance given for a good margin of profit, at least on the higher priced. At present the consumer only is ahead.

FISH.

There is a fair demand for fresh fish, which arrives in lots equal for the trade. Halibut, haddock and mackerel are arriving from New York, Boston and Portland. Fresh trout and whitsfish are arriving in limited lots and are being purchased freely. Quotations are: Fresh—B.C. salmon, 10c to 11c lb.; Restigouche of Gaspé sal-

mon, frozen, 14c; haddock, express 5c to 6c; pike, 6½c to 7c; whitefish, 8½c to 9c; trout, 8½c to 9c; halibut, fresh, express stock, 13c to 14c; mackerel, 25c each. Salt—B.C. salmon No. 1, \$11.50 to \$12 per barrel; Labrador salmon, No. 1, \$14 per bbl.; No. 2, \$11.50 to \$12; half-barrels, \$6.50; Loch Fyne herrings, bbls., \$4.75 to \$5; do. half barrels, \$2.60 to \$2.75; green cod, No. 1, \$7; do. No. 2, \$5; large, \$8. Smoked—Herrings, 12c per box; finnan haddies, new stock, by express, 7c lb.; St. John bloaters \$1 per box; kippered herrings, \$1.75 per box, \$1 per half box. Prepared.—Boneless cod, in bricks, 6 cents lb.; boneless fish, loose, in 25 lb. boxes, 4½c; skinless, or dressed cod, \$5 per cwt.; dry cods, in cwt., \$5 per cwt.

FLOUR AND FEED.

A fair local trade is shown but activity is not looked for during April. The Ogilvie Milling Co. report sales within the past week of two cars sample flour for Egypt, and 8,000 brls. flour for the Yukon. Values are unchanged from last week's decline. Opinions are various regarding result on the Canadian market of the import duties imposed by Great Britain. These are referred to editorially on another page. London cables reported the market for Canadian baled hay firm, but those from Liverpool were weak. We quote: No. 1, \$9 to \$9.50; No. 2, \$8 to \$8.50; clover mixed, \$7.50 to \$8; and clover, \$7 to \$7.50 per ton, in car lots.

GREEN FRUITS, ETC.

As anticipated in former reports, oranges are steadily advancing, prices as per subjoined list being 25c per box higher than last week. Nor do prices in early summer luxuries appear to be getting any lower. Strawberries are firm at 40c to 45c per qt. box, while the retail windows display, apparently, the same at 25c to 30c per box. The quantity makes the difference. Interest is now centred in the large cargo of Mediterranean fruit which arrived at this port Wednesday, 16th instant, per steamer Fre-




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mona. This will, no doubt, be the most important sale this season, as she is the largest cargo, and the fruit is said to be of the choicest quality; therefore, the attendance of buyers from the United States and all over Canada is expected will be one of the largest that ever attended a sale of this kind held in Montreal. The cargo consists of 62,000 boxes of lemons, 830 boxes, and 559 half-boxes of oranges, which will be sold by public auction on the 25th instant. A large portion of the cargo is consigned to Messrs. Hart & Tuckwell. Other fruit vessels are shortly expected, the Jacona and Forest Holme both being due about April 26th. The Forest Holme will discharge part of her cargo at Quebec. The quotations are: Apples, brls., \$3.50 to \$6.00; California navel oranges, \$4 to \$4.25; per box; Jamaica oranges, \$4.75 per brl.; do. in boxes, \$2.75; Florida oranges, \$3.50 per box; Val. oranges, 420s, ordinary, \$4.25; do., do., 420s, Jumbo, \$5 to \$5.25; California grape fruit, \$4 to \$5 per box; Jamaica grape fruit, \$5 to \$6; box; lemons, 360s, \$2.50 do.; do. 300s, \$2.50 to \$2.75; bananas, 8-hands, \$1 to \$1.35; No. 1 do., \$1.75 to \$2.25; extras, \$2.50; new figs, mats, 3½c per lb.; do. boxes, 8c to 12c per lb.; new dates, 4½c per lb.; nuts, Pecans, extra large, 17c; sweet potatoes, brl., \$5.50 to \$6.00; Cape Cod cranberries, \$7 to \$10; Malaga grapes, per keg, \$5.50 to \$7.50; pines, 15c to 25c each; extra pines, 45c do.; Cal. celery, 7 to 12 dozen crate, \$5; Florida tomatoes, \$3.50 to \$4; Florida tangerines, \$3.50; California tangerines, \$3.00; strawberries, 40c to 45c per box; new potatoes, 6c per lb.; Boston lettuce, \$1 to \$1.10 per dozen; radishes, 45c per doz. bunches; sweet potatoes, in one bushel baskets, \$3; brls. do., \$6.00; spinach, brls., \$3.00; cucumbers, hot house, \$1.75 per dozen; asparagus, 50c bunch; Can. lettuce, 40c dozen heads.

GREEN HIDES.

Another advance took place within the last week, both beef and calf hides having been marked up 1c lb. Nos. 1 2 and 3 are now quoted at 9c, 8c and 7c, respectively, while calfskins are worth 12c and 10c for Nos. 1 and 2. Receipts are more liberal. The New York market was reported very strong for dry hides, tanners dealing freely at full quotations. A firmer market was reported for packer hides. The quality of the take-off is now steadily improving, and packers have accordingly advanced their prices for April hides, holding for 11½c to 11¾c for native steers, 11¼c for butt brands and 11c for side brands. Tanners, however, were not ready to meet these prices, but they were bidding 11¼c for native steers, 10¾c for butt brands, and 10½c for side brands. Country hides were in small supply and firm. —Increasing interest was reported shown by buyers in the Chicago market for packer hides. The quality of the April take-off of hides has shown, it is stated, a greater improvement than was generally expected, and with the indications of a revival of the demand from tanners the tone of the market was firmer, with prices quoted at 11½c to 12½c for native steers, 12½c to 12¾c for heavy Texas, 11¼c to 11½c for butt brands, 11c to 11¼c for Colorados, 10c to 10¼c for heavy native cows and 9¼c to 10¼c for light ditto. Country hides were firmly held at 8¼c for No. 1 buffs.

GROCERIES.

The local sugar market remains steady on the basis of \$3.90 f. o. b. Montreal for standard granulated, and \$3.15 for lowest yellow. It does not look as though values will ascend, but the indications are rather the other way. Raw beet declined again in the London market this week. Cable advices reported an easier market, prices showing a decline of ¾d to 6s 4½d for both April and May delivery;

later in the day there was a rumor to the effect that cables were received from London reporting a further decline in prices; cane was unchanged. In New York the tone of the market held firm on the basis of 3¾c for centrifugals 96 deg. test, for despite the decline in the European beet sugar prices they were still above the parity of that local market for cane sugar. Contrary to the recent expectations of many, the English budget, which was announced Monday, made no changes in the import duties on raw and refined sugar, and also did not allow a preferential duty on cane sugars imported from her colonies. Montreal wholesale grocers, when spoken to on the Barbadoes molasses outlook refer to all wholesalers as selling at about cost and, consequently, further business in that article at 24c or 23½c is not eagerly sought. Other groceries are, locally, devoid of special mention. The Greek currant market is again slightly easier, though holders show a great reluctance to sell, and it is highly probable that with the first signs of any demand from consuming countries would hold for better prices. Advices from England indicate a dull market, but note an evident willingness of buyers to operate could they do so with confidence. The London stock of Valencia raisins on April 1 was 745 tons, against 1,545 tons last year and 50 tons in 1900. Stocks of sultana raisins were 1,650 tons compared with 2,640 tons on the same date last year. The stock of Jordan almonds was 725 boxes, against 2,300 boxes on April 1 last year; Valentias, 6,495 packages, against 5,605 packages in 1900; 1,970 packages of Sicily and Bari almonds, against 3,805 packages on same date last year. The stock of dried apricots there on April 1 was 2,620 packages, compared with 13,735 packages on April 1 last year and 1,050 packages on April 1 in 1900. Stocks

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AGENT FOR CANADA

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20-22 St. Francois-Xavier Street,
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of dates in London on April 1 were 121,340 packages, against 209,165 packages last year, and 87,470 packages in 1900. Opening prices on the 1902 pack of Columbia River salmon have been fixed by several packing interests. Coast telegrams state that two packers have named a basis of \$1.50 for talls, \$1.65 for flats and 95c for half pounds on Chinook fish f.o.b. coast. Discussing the situation a leading Eastern jobber said: "Columbia river salmon at \$1.50 for talls f.o.b. the coast will not take readily this season. There is considerable old stock floating about which the purchasers are willing to sell at less than the opening price named to-day from the coast. The fish have had a great deal of competition from sockeye salmon on the lower basis for that description and its sale has not been pushed. It is estimated that there is

a carry-over now of 65,000 to 70,000 cases independent of jobbers' holdings. Stocks in jobbers' hands, while not large, are a factor to be reckoned with, and so long as they exist there is, in my opinion, little prospect of active buying on the new basis. The prospects for the pack are admittedly uncertain, and while late years have shown a serious falling off in the pack, there is no assurance that this season's pack will be light." Among several packers' representatives the conviction is strong that the \$1.50 basis on talls will not attract interest.

In canned tomatoes the situation has not changed. Stocks are light and prices are firm at 87½c to 90c in packers' hands. It is quite probable that our neighbors to the South will be requiring more of our goods before the new crop appears. A recent let-

ter from Baltimore reads: "A feature of the spot market has been the maintenance of quotations on spot tomatoes. This is hardly noteworthy when the remarkably light condition of the spot stocks is considered. Arguments advanced around the first of the year by some operators that the demand for spot tomatoes around \$1.25 per dozen would be practically shut off will have to be revised. The way that spot tomatoes, from poor seconds to choice standards, have been going out since the first of the year, renders a higher market between now and packing season not a possibility, but in our judgment an actual fact. New business for the week has fallen short of anticipations entertained at the close of last week. Purchases of the week would seem to indicate more of a disposition to confine such to immediate wants only. While no appre-

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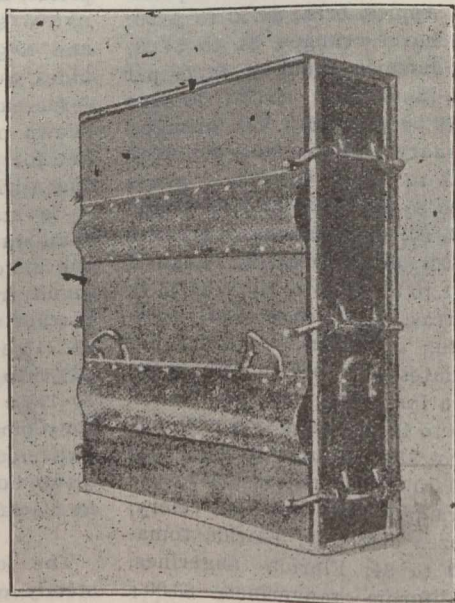
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ciable change in the general tone of the market is to be noted, yet the fact that trading has been confined to small parcels is a disappointment to first hands, as there was a week ago considerable reason to expect a good distributive movement in anticipation of spring wants. There is no reason at the moment to expect that the light buying of the week, even if it should be followed by no larger buying for the coming week, will have much influence on quotations, in consequence of the light supply of stocks frequently referred to in our advices of the past two months. This can be depended upon to a considerable extent to steady the market."

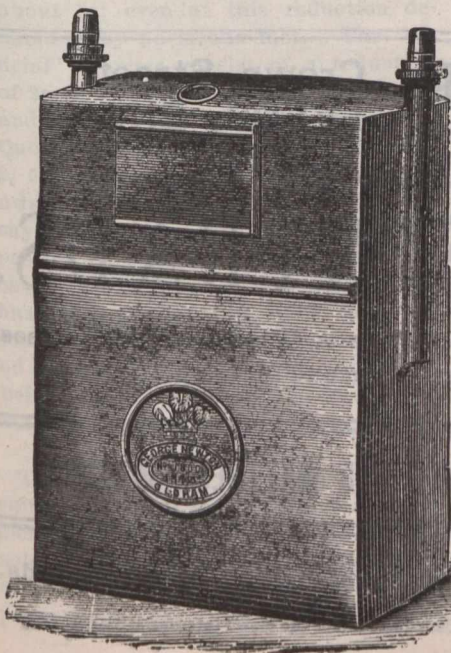
HARDWARE.

Dealers report trade as holding brisk, with on changes in listed goods,

except on rope. Sisal has advanced 1/2c all round. British hemp has also advanced 1/2c. An advance is predicted on all American hardware, some U.S. firms having already advertised that an advance has taken place. Bar iron and manufactured steel are firm at former figures. London closing prices on pig iron on Tuesday were: Scotch warrants, Glasgow, 54s 4d; No. 3, foundry, Middlesboro, 48s 6d. In the U.S. markets the situation in iron shows little change. The demand continues active, but buyers experience great difficulty in even partially covering urgent wants. While the price of Southern foundry is nominally \$12 for No. 2 at Alabama furnaces, it is reported that in reality business is being done on the basis of \$14.50 to \$15 cash Birmingham. Even at the high-

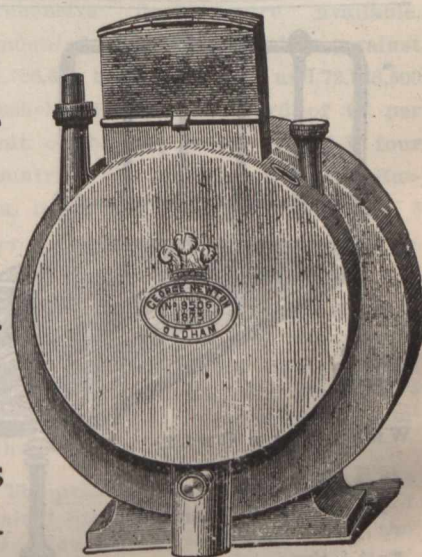
er price it is said to be difficult to get anything for early delivery and in one case an offer of \$15 for 2,500 tons May-June-July shipment was turned down. In addition to an actual scarcity of iron available at Southern furnaces for immediate delivery on New Orleans, it is reported that a great deal of delay in making shipments on existing contracts is still caused by the scarcity of cars. Western advices report continued activity in pig iron and a large business in finished materials, with every indication of higher prices. A Pittsburg report is to the effect that a block of about 25,000 tons Bessemer pig iron was bought by one of the large consumers, and that several smaller lots have changed hands within the past few days. Forge and foundry irons are report-

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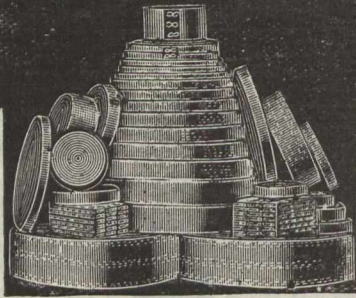
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EXTRA STOUT
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LEATHER-LINK

—OR—

CHAIN BELTING.

For Electric and Heavy Driving

Picking Straps, Bark Tanned Green,

Buffalo Hide & Helvetia.

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

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ed to be receiving a great deal of attention from Western consumers. The Pittsburg correspondent of the Metal Exchange reports that the Southern Pacific Railroad has bought 20,000 tons of steel rails for future delivery, and that a contract for about 10,000 tons for shipment to Japan is in the market. The demand for foundry iron is active, but actual business is comparatively small as a result of the scarcity of supplies for early deliveries, which are most in demand. In finished material business continues on a heavy scale, nearly all lines being wanted for both prompt and forward delivery. Old iron and steel are somewhat unsettled in view of the report that a considerable quantity of foreign material is afloat. Most of this, however, is said to have been sold to arrive, and its coming will not be likely to depress market values. The English pig iron markets are again advancing, and it is surmised that the upward movement is in no small degree influenced by renewed inquiries from this side. Within the past week the price of No. 3 foundry at Middlesboro has advanced 1s 2d, while Scotch warrants in Glasgow have gone up 1s 5d during the same interval. A Nashville, Tenn., report states that after three years' discussion the leading stove manufacturers of the United States are perfecting a consolidation in which between forty and fifty of the largest plants will be united. Definite action is expected by the middle

of next month. The financing of the company will require over \$100,000,000 cash. The National Association of Stove Makers will meet in New York on May 14.

LEATHER AND SHOES.

Prices of leather hold firm in keeping with the strong tendency in dry hides. While local business is slow, jobbers anticipate a revival very shortly as shoe manufacturers will begin the fall cutting early next month. Export trade keeps heavy, which has the effect of keeping supplies light so that there is no accumulation of stocks. In shoe circles a good outlook is shown for a heavy fall trade.

MAPLE PRODUCTS.

The market shows very little change. Sugar sells slow at 8c to 9c. Syrup in tins 65c per gallon and at 5½c to 6½c per lb., in wood.

OILS AND PAINTS.

The market is rather bare of linseed oil and prices are tending upward. Turpentine is steady at the recent heavy decline. White lead shows no change.

PROVISIONS.

Values hold steady while trade is devoid of the life which should be noticed with the opening of navigation. Fresh killed hogs are in light supply, and picked up for local use at \$8.50 to \$9 per 100 lbs. Quotations are:—Selected heavy Canadian short cut mess pork, \$22 to \$22.50; heavy Canada short cut mess pork, \$21 to \$21.50; Canada short cut back, heavy, \$21 to

The Sovereign Bank of Canada.

Notice is hereby given that a meeting of the subscribers to the stock of the Sovereign Bank of Canada will be held at No. 14 King Street, West, in the City of Toronto, on Wednesday, the 23rd day of April, 1902, at the hour of twelve o'clock, noon, to determine the day upon which the annual General meeting of the shareholders will be held, and to elect such number of Directors, not less than five nor more than ten, as they may think necessary, to hold office until the annual General meeting in the year next succeeding their election; and also for the further purpose of passing by-laws to regulate the following matters incident to the management and administration of the affairs of the Bank, that is to say:—

The record to be kept of proxies, and the time, within which proxies must be produced and recorded prior to a meeting, in order to entitle the holder to vote thereon;

The quorum of the Board of Directors, which shall not be less than three, their qualification subject to the provisions of the Bank Act;

The method of filling vacancies in the Board of Directors, whenever the same occur, during each year, and the time and proceedings for the election of Directors in case of a failure of any election on the day appointed for it.

D. M. STEWART,

Secretary and General Manager.

By order of the Provisional Board,

Toronto, 19th March, 1902.

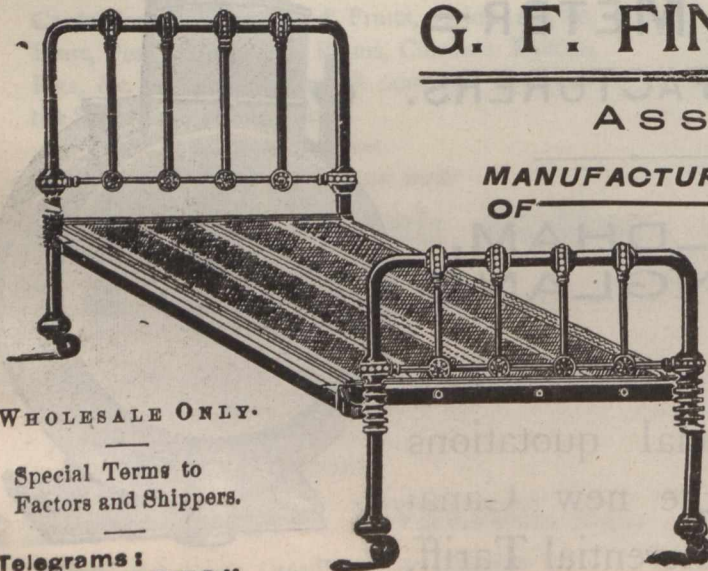
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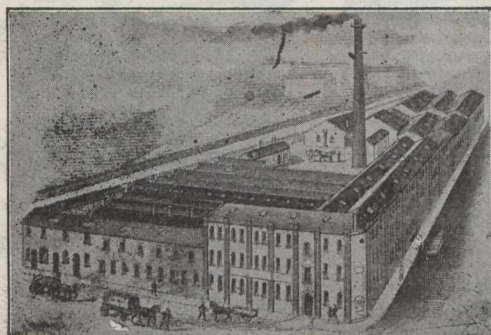
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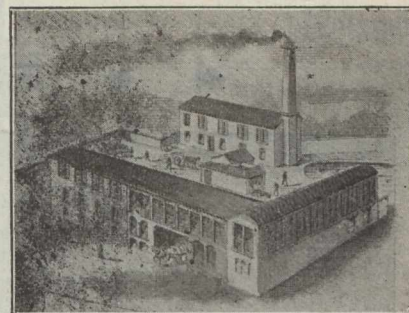
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Tannery: Blackley.

\$21.50; heavy Canada mess, long cut, clear pork, \$21; light Canada short clear pork, \$20.50 to \$21; pure Canada lard, in 20-lb. pails, 11½c to 12c; compound lard, in wood pails, 20-lb., 8¾c to 9c; Boar's Head brand, in 20-lb., wood pails, \$1.97½ to \$2.05; and Globe at \$1.72½ to \$1.80; 20-lb. tin pails, ¼c per lb. less; hams, 12c to 14c, and bacon, 14c to 15c per lb. Liverpool, April 15.—Beef, extra India mess, firm, 86s 3d. Hams, short cut, firm, 52s. Bacon, short rib, firm, 48s 6d; clear bellies, firm, 49s. Chicago, 16.—Provisions lost 2½c to 5c to 15c. Future quotations closed: Pork, May, \$16.77½; July, \$16.95; September, \$17. Lard, May, \$9.70; July, \$9.80; September, \$9.90. Short ribs, May, \$9.15; July, \$9.30; September, \$9.37½. Cash quotations: Mess pork, per brl., \$16.75 to \$16.80; lard, per 100 pounds, \$9.65 to \$9.70; short ribs, sides, loose, \$9.05 to \$9.15; dry salted shoulders, boxed, 7½c to 7¾c; short clear sides, \$9.60 to \$9.70. Advices from London date April 5th say: Canadian bacon has not been selling very freely, and, in order to make things "go," sellers have had to lower their prices by about 3s; even at this reduction demand is by no means fast. The "official" changes consist of a reduction of 2s on leanest, 3s on lean and prime, and 1s on prime heavy selections. Quotations are: No. 1, 53s to 56s; No. 2, 51s to 64s, and No. 3, 50s to 53s.—Advices from Liverpool date April 5th say: The late advances in Canadian pea-fed bacon seem to have somewhat checked the demand, and the market has been quieter this week than for some time, with holders more inclined to meet buyers, to-day's quotations being from 50c to 54s, according to weights and brands.

WOOL.

The local market is very bare of supplies. Soon as a lot arrives it is picked up; in fact, the greater part is sold before it lands. Prices, however, are too low as compared with European quotations, and there is really

little in present dealing here beyond turning the stock over. Much more could be sold were stocks available. Query as to why values are not advanced here under these favorable conditions brings out the knowledge that even at the existing basis of 16c to 17½c for Capes, business, while done quickly, leaves a distinct impression that these prices are already too high to suit the manufacturer. A line of Cape wool was sold on Wednesday, at 16c, but this figure is giving way to those above quoted. The next series of Colonial wool sales opens in London on May 6th, when 400,000 bales will be offered. A Boston report reads: Not much change for the better can be said of the wool market here this week. Business on the whole is quiet but there has been rather more inquiry for fleece wools. There has been no change in prices. The undertone of the market continues firm, and good judges of the situation feel that values are not going lower. Territory wools are steady in price, but they have been rather quiet. Fine choice staple scoured is selling at 50c to 52c, and fine medium at 47c to 48c. Ordinary fine scoured is quoted at 48c to 50c, with fine medium at 43c to 45c. There has been more activity in Ohio fleeces and the inquiries have also increased. Choice XX and above sold at 27c, while the average XX sold at 27c. Ohio fine delaines have been selling at 28½c to 29c.

Damage by Wind Storm.—Where a fire policy assumed liability for direct damage by lightning, but provided that it should not include damage by wind storm, and during a storm the insured building was damaged by lightning, and there was subsequent injury from wind, the policy only covered damages directly due to the lightning. *Warmcastle vs Scottish Union & National Ins. Co.*, 50 At. Rep. (Pa.) 941.—Death of Beneficiary before Insured.—Where a life policy was payable to the

wife of the insured on the death of her husband and to her children if she died before him, and the husband died after the wife, only such of the children as survived her can take, and the issue of a child dying before her is excluded. *Lerch et al vs Freutel et al*, 73 N. Y. Supp. 1078.

Insurance for Protection of Creditor.—Where a benefit certificate was payable to insured's friend whom he might designate in his will, and in such will he gave the insurance money to a certain person with the express understanding that he should pay certain notes, the appointment and a realization on the certificate carries therewith an obligation to pay the debts specified, which anyone interested may enforce. *Ledebur vs Wisconsin Trust Co. of Milwaukee*, 88 N. W. Rep. (Wis.) 607.

THE WORLD'S LINSEED CROP.

According to the Crop Reporter, published by the Department of Agriculture, the flaxseed crop of the world for 1900, the latest year for which comprehensive figures are available, amounted to 64,466,500 bushels, against 61,726,600 bushels in 1899 and 72,938,500 bushels in 1898. Upward of 96 per cent. of the crop was produced in four countries, viz., the United States, Russia, India, and Argentina, less than 5 per cent. of the total crop being produced in all other countries of the world combined. In 1900 Russia produced 32.06 per cent. of the world's crop; the United States, 31.02 per cent.; India, 18.61 per cent.; Argentina, 13.75 per cent., and all other countries combined 4.56 per cent.

The prices made upon flaxseed in the United States in the crop year 1900-1 were the highest in twenty years, the highest Chicago quotation having been

Widnes Foundry Company.

◆ ◆ ESTABLISHED 1841. ◆ ◆



Morecambe Pier (East View),

ERECTED, 1898, BY

THE WIDNES FOUNDRY CO.

WIDNES,

Lancashire, - - England.

in July, 1901, when the price of seed reached \$1.94 per bushel.

The exports of flaxseed in the fiscal year ended June 30, 1901, were 2,755,683 bushels, valued at \$4,319,102; imports during the same year were 1,631,726 bushels, valued at \$2,098,207, leaving an excess of exports over imports of 1,123,957 bushels.

Under average conditions the quantity of oil that may be manufactured from a crop of seed like that of 1900 (20,000,000 bushels) is about 50,000,000 gallons; the quantity of oil cake or oil cake meal from such a crop would be about 760,000,000 pounds. As is well known, the linseed oil manufactured in the United States practically all enters into home consumption, the average annual exports not exceeding 100,000 gallons. The greater part of the

oil cake and of the oil cake meal, on the other hand, is exported, the exports of this product in the fiscal year ended June 30, 1901, having been 455,154,866 pounds, which may be accepted as approximately representing the exports of the oil cake and meal made out of the 1900 crop. The principal customers for linseed oil cake and meal are Germany and the United Kingdom, Germany in the fiscal year ended June 30, 1900, taking about 33 per cent. and the United Kingdom 28 per cent. of our total exports.

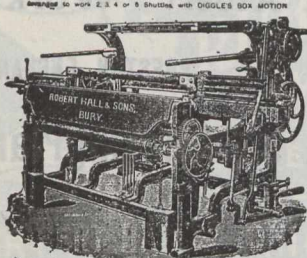
The growing importance of Denmark as a purchaser of this valuable cattle food is attracting great attention. From being a customer for less than 8 per cent. of our total exports in 1895, her takings have steadily increased until in the fiscal year ended June 30,

1900, almost 23 per cent. of the total United States exports were consigned to her. The increase in the use of oil cake by the Danish people is attributable to the remarkable development of the dairy industry of that country. From the foregoing it is apparent that in the fiscal year 1899-1900 about 84 per cent. of the exports of oil cake and meal from the United States were directed to three European countries—Germany, the United Kingdom and Denmark. The only other European customers for this product were, in the order of their importance as purchasers, Holland, Belgium and France, and these countries absorb almost the entire remainder of the United States shipments. Exports to other countries constitute a comparatively negligible quantity.

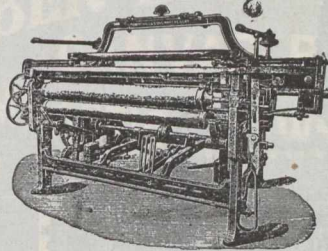
Telegraphic Address: "Hall, Bury."

ROBERT HALL & SONS BURY LTD

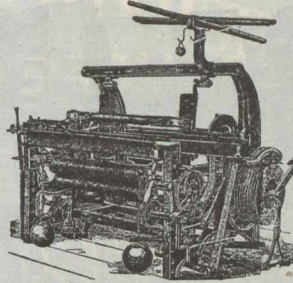
No. 4 MEDIUM LOOM.
FOR FANCY FABRICS.



OVERPICK No 5c LOOM
TO WORK 1 SHUTTLE



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



BURY,

near Manchester,
... England

Specialties in

Weaving... Machinery

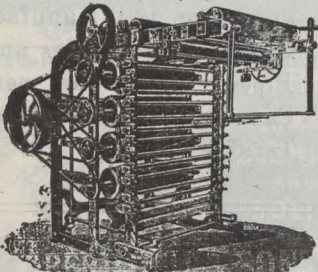
OFFICE:
3 HOPWOOD AVENUE,
MARKET PLACE, MANCHESTER.
Every Tuesday and Friday.

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

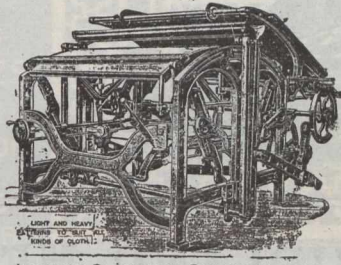
Complete lists of Machinery made on application.

Special prices to Canadians under the new Preferential Tariff.

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

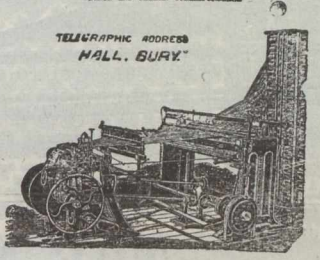


ROBERT HALL & SONS, BURY,
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IMPROVED PLAITING OR FOLDING MACHINE.
WITH PATENT GRIP AND RELIEVING MOTION,
AND IMPROVED SETTING-UP MOTION FOR LONG AND SHORT PLAITS.

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



TELEGRAPHIC ADDRESS
HALL, BURY.
PATENT SECTIONAL BEAMING MACHINE.

RAISING MACHINE
FOR FLAX AND FANCY GOODS

A. E. GASKELL & CO.,

Manchester; also Ohm Works, Rochdale.

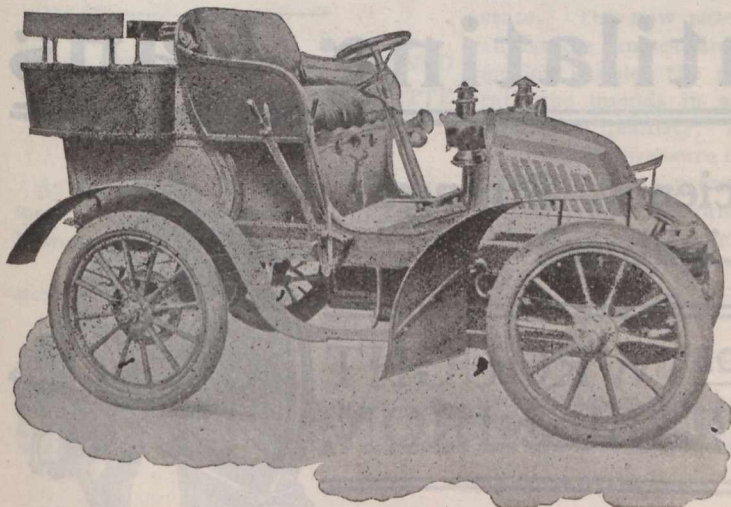
Manufacturers of The Patent "Electro-Magnetic" Separator, for extracting iron or steel from borings, ash-metals, powdered glass, seeds, etc. On another page of this Journal will be seen the advertisement of the above

company who are desirous of acquainting the Canadian trade with the perfectness of their Patent Electro-Magnetic Separators, these machine having gained the highest testimonials wherever used.

Description of the Patent Electro-Magnetic Separator: The special features of this machine, which distinguish it from all others, are: (1.) The use of electro-magnets instead of per-

manent magnets. This enables the magnetism to be controlled as described in catalogue. It secures a constant magnetic force, whereas the so-called permanent magnet gradually loses strength and becomes useless. (2.) The patent automatic knock-off motion, whereby the magnets are demagnetised for a small portion of each revolution, allowing the iron collected to drop into the receiver and leave the

Marshall's 'Belsize' Car

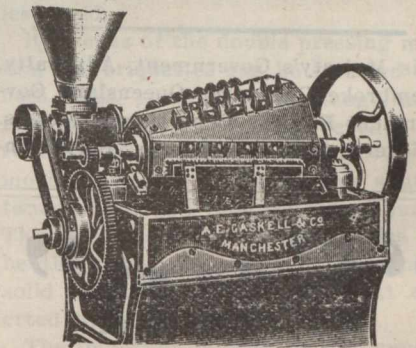


Two Cylinders
12 h.p.
14½ cwt.

No Chains.
No Belts.

Unrivalled Hill
Climber.

Send for particulars.



magnets free for new collection. This is a great advantage over the permanent magnets, which are most difficult to clear. These advantages enable the electro-magnet separator to maintain a far higher output than any other machine, and this output is, moreover, obtained without skilled labour or attention. Firms when ordering will oblige by sending particulars or samples, wherever possible, of the materials to be treated; and if inquirers have electric current in use, the separator can be adopted to suit it, if the voltage is stated. Machines may be seen working at any time on application. Each tested before leaving works. Special quotations for special requirements,

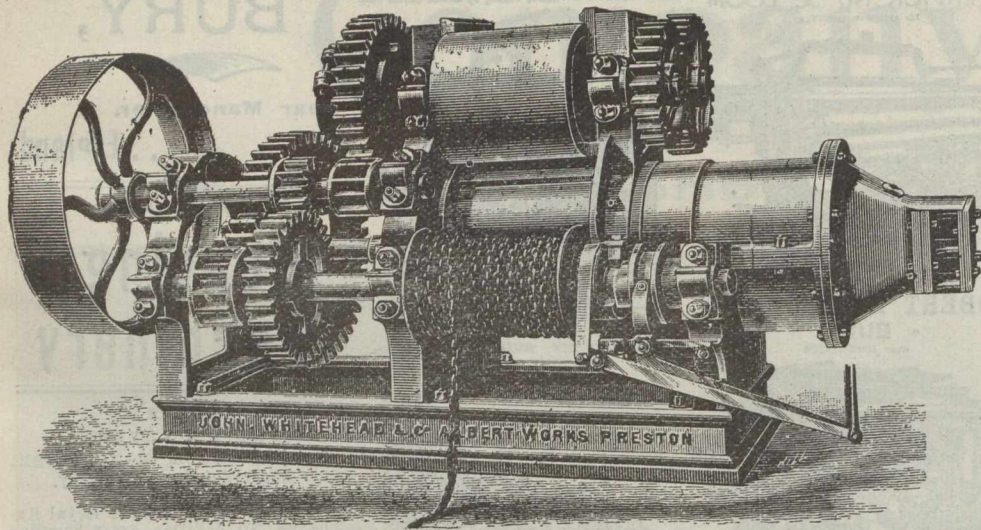
Marshall & Co.

Belsize Works. CLAYTON, MANCHESTER, ENGLAND.

Telegraphic Address:
"BRICKTILE, PRESTON."

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

JOHN WHITEHEAD & CO., LIMITED.

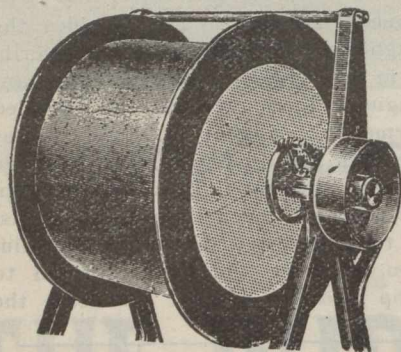


Albert Works,
PRESTON, ENGLAND,
Brickmaking Plant

"The Manchester."

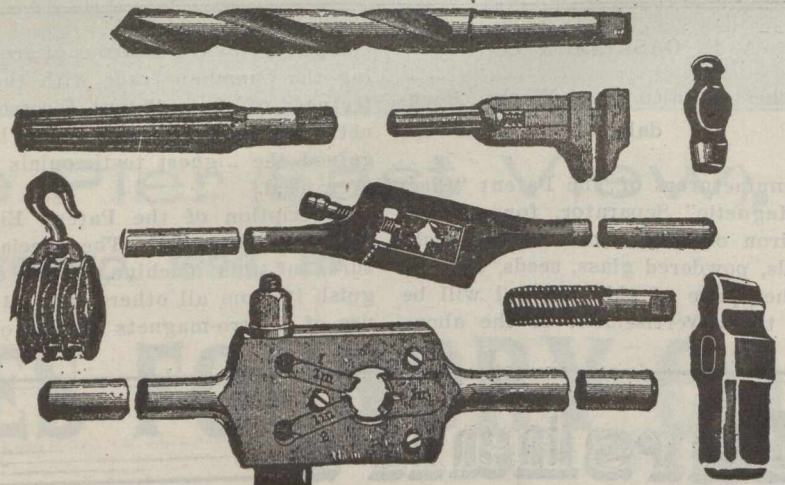
Machinery and appli-
ances for the manufac-
ture of Bricks, Tiles and
Pipes, under the new
Canadian Preferential
Tariff.

The patent "Electro-Magnetic" Sep-
arator. List of some of the leading
users who have ordered the Separator:



His Majesty's Government, Admiralty,
Pembroke Dockyard; Queensland Gov-
ernment Railway Department; Messrs.
Vickers, Sons, & Maxim, Barrow-in-

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

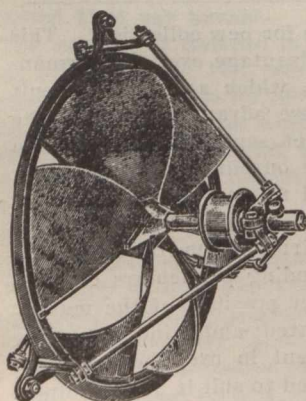


SPECIAL NOTE.—Buyers have 33 1/3 per cent in their favour by purchasing from
The Makers and Inventors in England under the new Canadian Preferential Tariff.

"Sun" Ventilating Fans

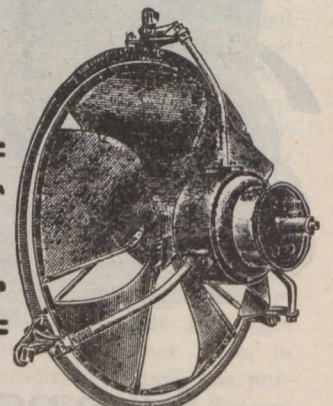
Highest Efficiency, Strength
and Lightness

MADE ENTIRELY OF WROUGHT
OR MALLEABLE IRON.



Belt Driven.

For Ventilating, Drying and
All Cooling Purposes . . .



Electrically Driven.

"Sun" Fan Co. Ltd.,

GENERAL BUYING
AGENTS WANTED.

Special prices to Canadians
under the New Tariff.

40a Thornton Road, BRADFORD, ENG.

ESTABD

1859

LIVERPOOL RUBBER COMPANY LTD

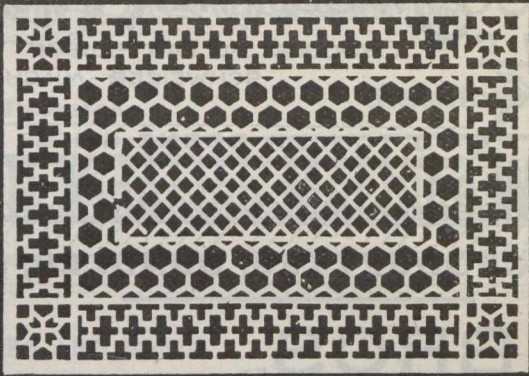
MANUFACTURERS OF

RUBBER BOOTS & OVERSHOES
CANVAS, PLIMSOLL,
GYMNASTIC & LAWN TENNIS SHOES



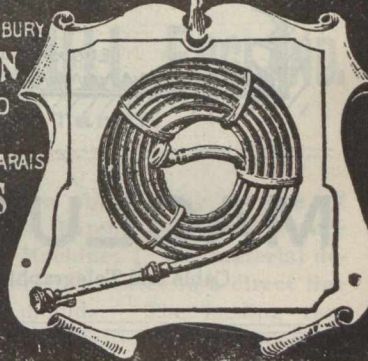
GARDEN HOSE
DELIVERY HOSE, BELTING,
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WASHERS AND
ALL KINDS OF MECHANICAL
RUBBERS. INDIA RUBBER THREAD



CAB TYRES
PNEUMATIC CUSHION AND SOLID TYRES

34 ALDERMANBURY
LONDON
ENGLAND
20 RUE DE MARAIS
PARIS
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HEAD OFFICE & WORKS
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Furness; London & North-Western Railway Co., Wolverton; Greenock Foundry Co., Greenock; Wearmouth Foundry Co., Ltd., Sunderland; Messrs. Beyer, Peacock & Co., Gorton, Manchester; Messrs. Hick, Hargreaves & Co., Bolton; Mr. Joseph P. Emery, colour grinder, Cobridge, Staffs; Messrs. J. Bibby & Sons, seed crushers, Liverpool; Messrs. Jardine, Matheson & Co., Shanghai; and many others. Write for illustrated catalogue and special terms under the new Canadian tariff, to A. E. Gaskell & Co., 6 Dickinson street, Manchester, England. Works: Rochdale, England. Contractors to Admiralty.

MIDDLETON'S PATENT COMBINED
DOUBLE PRESSURE BRIQUETTE
MACHINE AND HEATER.

As supplied to His Majesty's Government. Awarded a silver medal at the Newcastle Royal Mining Exhibition,

1887 (the only award given). England, Scotland, Ireland, Wales, France, Belgium, Spain, Italy, Austria, India, China, Australia, West Africa, U.S. of America, Mauritius. These machines have been supplied to the above-mentioned countries, with a capacity of over 1,000,000 tons per annum.

The latest patented improvements applied to these machines make them at once the most efficient, powerful, and economical ones now supplied, whilst the solidity and finish of the briquettes are unequalled. The various motions have been re-designed, simplified and strengthened; the result of many years' experience being that these machines are now in a practically perfect state. The new patent mill with its adjustable knives and improved feed motion enables the materials to pass into the moulds in a direct line and measured quantity, applying also a preliminary pressure of 25 cwts.

The double pressing motion is strengthened, the rams and boxes are enlarged, and the machine so arranged

that a new patent perforating apparatus can be applied in place of the back pressure, a very desirable accessory with some kinds of coal. The machine is self-contained on a massive bed-plate, and its powerful motion so arranged that a minimum of power is required to work it; no steam is used for pressing beyond the first motive power, whilst the pressure is the heaviest used.

By means of the double pressing motion the briquettes can be branded on both sides, grooved for breakage, and have all edges and corners bevelled or rounded off in addition to receiving a moving pressure on both sides simultaneously up to 2 tons per square inch. This pressure is proved by practice to be the very best adapted to form a solid briquette, and exceeds that exerted by any other machine.

The improved delivery motion expels the briquette from the mould without damaging the face, brand, edges or corners. The new patent revolving motion for the mold-plate, fitted with new

ADMIRALTY CONTRACTORS.

Tel. Address: "PUMPS," Leeds.

THE LEEDS ENGINEERING & HYDRAULIC Co.,

Manufacturers of

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

ELECTRICALLY DRIVEN PLANT.

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

Special prices to Canadians under the new tariff.

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



Etiquette déposée

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

automatic brake, ensures accurate and definite movement, and also locks the plate in position during the various operations. The improved circular moulds, accurately bored and fitted in the plate, enable the moulds when worn, to be replaced without removing the plate from the machine at a mini-

mum of cost and time. The improved vertical heater is of ample capacity, is made of steel plates, and, if required, steam jacketed; it is fitted with adjustable charging and mixing knives, any one of which can be adjusted or replaced without taking any part of the machine to pieces, and delivers the

materials into the mill without appreciable loss of heat. The machine, as above described, can only be supplied by Robert Middleton, Sheepscar Foundry, Leeds. Prices and particulars of machines for the manufacture of ovoid, eggette, or cylindrical briquettes, on application.

IDDON BROTHERS,

INDIA RUBBER
 ENGINEERS,

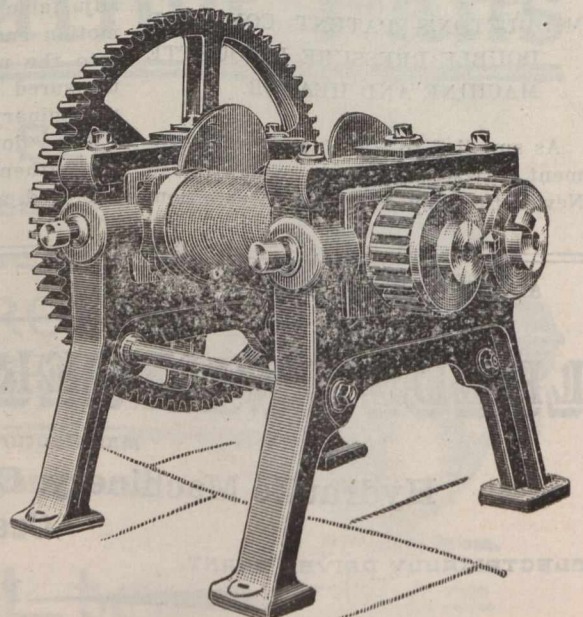
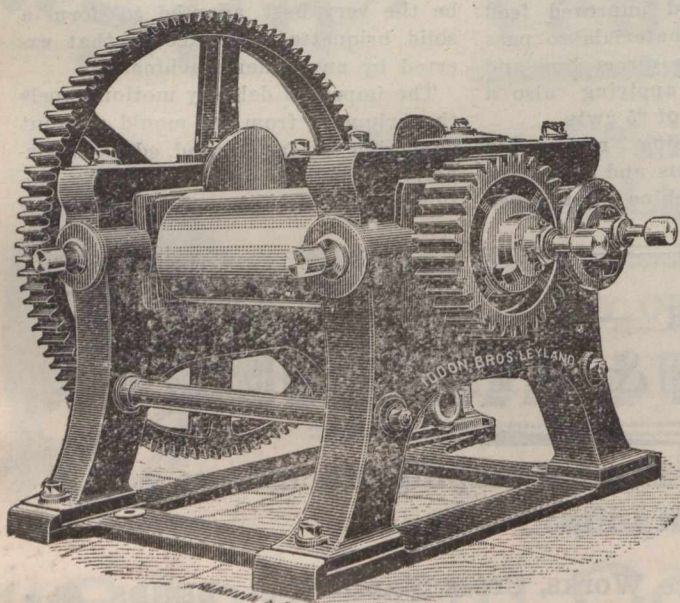
Brookfield Iron Works,

Leyland, ^{near} PRESTON, England.

ENGINEERS and
 RUBBER MACHINISTS,

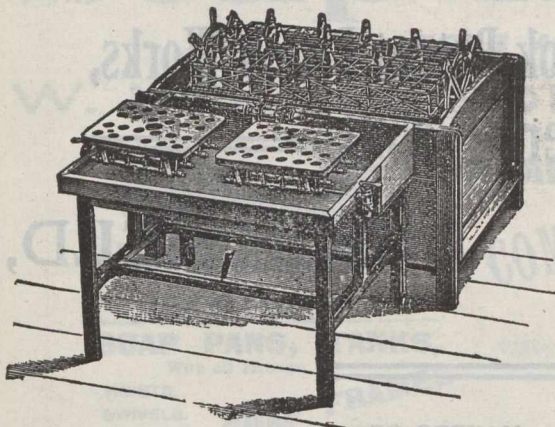
Plans for erection and completion of New Rubber Works throughout, on the most modern principle.

Specialities: — All kinds of Rubber Machinery.



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

Bottle Washing Machinery



OUR NEW PATTERN "KINGSTON."

No. 2

22-dozen Half-pint Beers.

Fitted with Revolving Rinsers as shewn,

£27

with Bottle Sinker.

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

Machines from £10 to £40.

Original Inventor and Patentee.

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

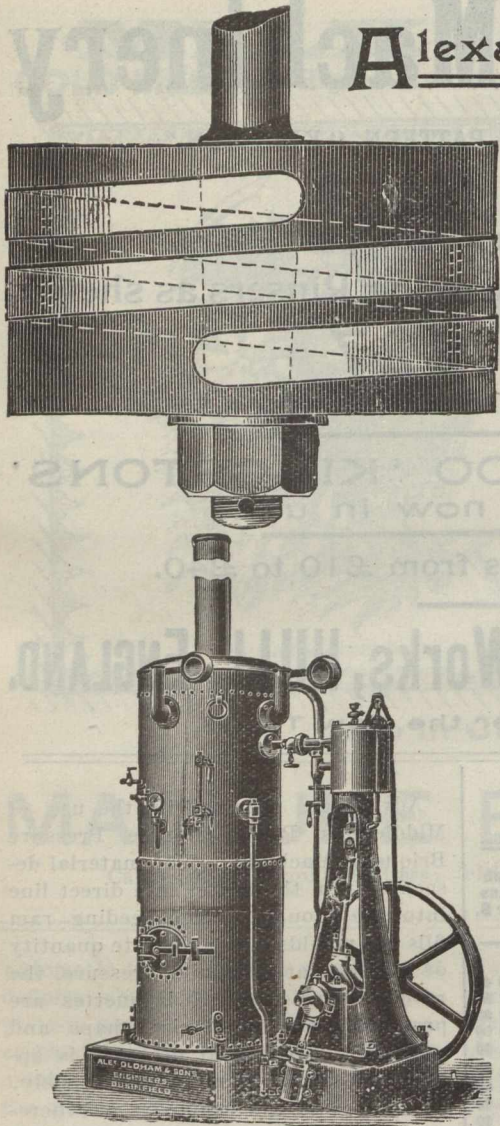
Special estimates to Canadians under the New Tariff.

STOCKS AND BONDS.

NAME.	Par Val's.	Capital Subscribed.	Capital paid-up.	Rest.	Div. last 6 Ms	Dates of Dividends.	Per Cent. Price April 17, (Std)	Cash value per S.
British North Am.	243	4,366,666	4,366,666	1,776,333	3	Apl. Oct	166	330 48
Can. Bank of Commerce	50	8,000,000	8,000,000	2,000,000	3 1/2	June Dec	147	75 50
Commercial, Windsor..	40	500,000	310,000	60,000	3	.....	105	48 00
Dominion	50	2,500,000	2,500,000	2,500,000	2 1/2	May	244	122 00
Eastern Townships.....	50	2,000,000	1,743,525	1,050,000	3 1/2	Jan July	180	75 00
Halifax Banking Co.	30	600,000	600,000	500,000	3 1/2	Feb. Aug	158	70 00
Hamilton	100	2,000,000	1,991,750	1,500,000	5	June Dec	205	101 00
Kochelags	100	2,000,000	1,500,000	750,000	3 1/2	June Dec	152	100 00
Imperial	100	2,500,000	2,500,000	1,850,000	5	June Dec	229	100 00
Merchants' Can.	100	5,000,000	5,000,000	2,600,000	3 1/2	June Dec	143	145 00
Molson	50	2,500,000	2,500,000	2,150,000	4 1/2	Oct April	206	103 00
Montreal	300	12,000,000	12,000,000	7,000,000	5	June Dec	258	116 00
Nationale	30	1,200,000	1,200,000	275,000	3	May Nov	95	35 50
New Brunswick.....	100	500,000	500,000	700,000	2	Jan July	300	100 00
Nova Scotia.....	100	2,000,000	2,000,000	2,300,000	4 1/2	Feb. Aug	200	100 00
Ontario.....	100	1,500,000	1,293,000	300,000	2 1/2	June Dec	132	123 00
Ottawa	100	1,800,000	2,000,000	1,745,000	4 & 1	Jan Dec	200	100 00
People's of N. B.	150	180,000	130,000	155,000	4	.....	200	100 00
Provincial	25	873,487	781,343	.....	3	June Dec	155	100 00
Quebec.....	100	2,500,000	2,500,000	700,000	3	June Dec	128	100 00
Royal.....	100	2,000,000	2,000,000	1,700,000	3 1/2	Feb Aug	175	117 00
St. Stephen's.....	100	200,000	200,000	45,000	2 1/2	April Oct	.....	.....
Standard	50	1,000,000	1,000,000	750,000	5	April Oct	233	116 50
Toronto	100	2,400,000	2,400,000	2,340,000	5	June Dec	238	128 00
Traders	100	1,350,100	1,344,430	250,000	3	June Dec	113 1/2	112 25
Union (Halifax)	50	900,000	980,000	505,000	3 1/2	Mich Sept	150	75 00
Union of Canada	100	2,000,000	2,000,000	550,000	3	June Dec	.....	.....
Western	100	500,000	401,233	150,000	3 1/2	Apl Oct	.....	.....
Agri. Sav. and Loan Co	50	630,200	630,200	192,000	2	Jan July	.....	.....
Rail Telephone Co	100	5,000,000	5,000,000	500,000	4 1/2	Jan *	160	160 00
Brit. Can. Loan & Inv. Co.	100	1,937,308	398,431	138,000	2 1/2	Jan July	.....	.....
Brit. Mortg. Loan Co	100	450,000	339,214	130,000	3	Jan July	125	126 00
Can. Colored Cot. Mills Co.	100	2,700,000	2,700,000	.....	.....	Jan *	60	50 00
Can. Landed & Nat'l Inv't Co.	100	2,000,000	1,000,000	350,000	3	Jan July	90	90 00
Can. Per. & W. Can. M. Corp.	10	5,951,350	5,951,350	1,490,057	8	Jan July	115	57 50
Can. Sav. & Loan Co.	50 & 7 1/2	750,000	750,000	280,000	3 1/2	Jan July	114	57 00
Central Can. Loan & Sav. Co	100	2,500,000	1,250,000	450,000	1 1/2	Jan July	136	136 00
Dominion Sav. and Inv. Co.	50	1,000,000	934,200	40,000	2	July Dec	72	36 00
Dominion Telegraph Co	50	1,000,000	1,000,000	.....	1 1/2	Jan *	124	62 00
Dominion Cotton Mills Co.	100	3,333,600	3,333,600	.....	5	Mar *	50	50 00
Hamilton Prov. and Loan	100	1,500,000	1,100,000	350,752	3	Jan July	113	112 00
Home Sav. and Loan Co	10	2,000,000	200,000	200,000	3 1/2	Jan July	135	125 00
Huron & Erie Loan & Sav. Co	50	3,000,000	1,400,000	890,000	4 1/2	Jan July	170	80 50
Imperial Loan and Inv. Co.	100	732,724	720,647	175,000	3	Jan July	70	70 00
Landed Banking and Loan	100	700,000	700,000	210,000	3	Jan July	111	111 00
Land. & Can. Loan and Ag.	50	1,000,000	877,287	87,500	3	Jan July	98	24 00
London Loan Co	50	679,700	678,550	160,000	3	Jan July	110	50 00
Manitoba & North-W. Ln Co	100	1,500,000	375,000	50,000	.....	Jan July	55	55 00
Montreal Telegraph Co	40	2,000,000	2,000,000	.....	3	Jan	100 1/2	97 00
Montreal Gas Co	40	3,000,000	2,998,640	.....	5	April Oct	241	98 50
Montreal Street Ry. Co.	50	5,000,000	4,500,000	560,318	2 1/2	Feb. *	216 1/2	123 12
Montreal Cotton Co.	100	1,400,000	1,400,000	600,000	4	Mch. *	125	125 00
Merchants Cot. Co.	100	1,250,000	1,250,000	.....	4	Feb Aug	95	95 00
Montreal Loan and Mortg.	25	500,000	500,000	360,000	3 1/2 & 1	Mch Sep	127 1/2	24 37
Ont. Indus. Loan and Inv.	100	486,800	314,386	150,000	3	Jan July	.....	.....
Ont. Loan and Deb. Co.	50	2,000,000	1,200,000	550,000	3	Jan July	121 1/2	60 75
People's Loan and Dep. Co.	50	600,000	600,000	.....	3	Jan July	24	12 00
Real Est. Loan Co.	40	373,720	373,720	50,000	2	Jan July	70	25 00
Richelieu and Ont. Nav. Co.	100	2,088,000	2,088,000	162,355	3	May Nov	116 1/2	116 50
The Royal Electric Co	100	2,250,000	2,250,000	320,155	.....	Jan. *	240 1/2	120 50
Toronto Electric Light Co	100	2,000,000	2,000,000	.....	.....	Jan. *	136	136 00
Toronto Mortgage Co	50	1,445,860	724,540	250,000	2 1/2	.....	70 1/2	70 50
Toronto Street Railway	100	6,000,000	6,000,000	Jan. * July	108	108 00
Windsor Hotel	112 1/2	112 50

* Paying quarterly dividends.

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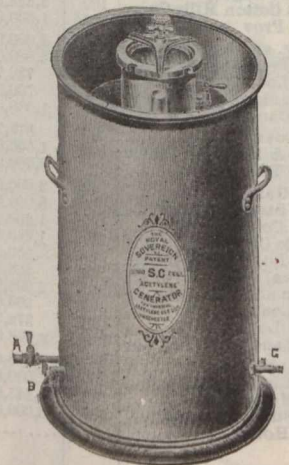
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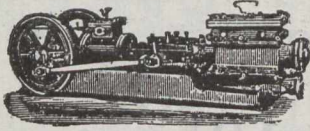
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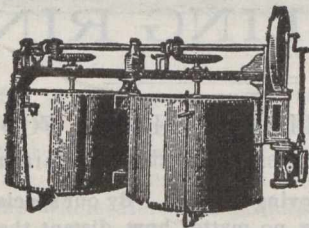
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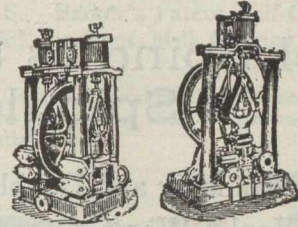
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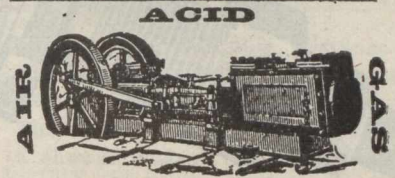
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ducts. Among them we notice an award of a gold medal (highest award) received at the International Acetylene Exhibition, Buda Peth, 1899, when makers from the various countries were exhibiting and were most eager respecting the ultimate result, depending largely on the standing there shown for the closing of important contracts. This company make a specialty of The "S.C." (Separate Cells) Automatic Acetylene Gas Generators, proving as they do to be of the very highest order of merit as regards the various uses to which they may be employed.

To the native ability and wide capacity of Mr. J. F. W. Stuart, Managing Director of this company, for utilizing to the fullest extent every known device which modern ingenuity can bring to the surface, is largely due the success achieved and the wide reputation already gained by the makers of the Imperial "S.C." and we can confidently bespeak for the company a continuance of the hold they now possess on the highest pinnacle of industrial achievements so long as Mr. Stuart remains at the helm.

This company's illustrated catalogue, instructive and interesting,

should be in every Canadian office, for with progress in these lines advancing with the strides noticed in recent years, all should be acquainted, not only with the details of gas generators, but with the best, safest and surest procurable. The following we reprint from a leaf of the company's catalogue:

"S. C." Acetylene Street Lamp.—One of the greatest advantages of acetylene will be for the lighting of country towns and villages where coal gas is not at present procurable. We have had made a special form of lamp, which is calculated to fill a long-felt want. In case of single or isolated lamps being used without a main supply pipe, this lamp is made to take our No. 1 Sovereign Generator which is placed inside the foot of the lamp in a chamber, the door of which is provided with a lock for fastening. From the Generator a tube passes up through the interior of the lamp to the lantern at the top, the result being that with one charge of the generator, a light of about 60 candles is produced, which will last for about sixteen hours. The only work involved is the visit of an attendant at the expiration of the sixteen hours for the purpose of taking away the spent carbide-holder and replacing it

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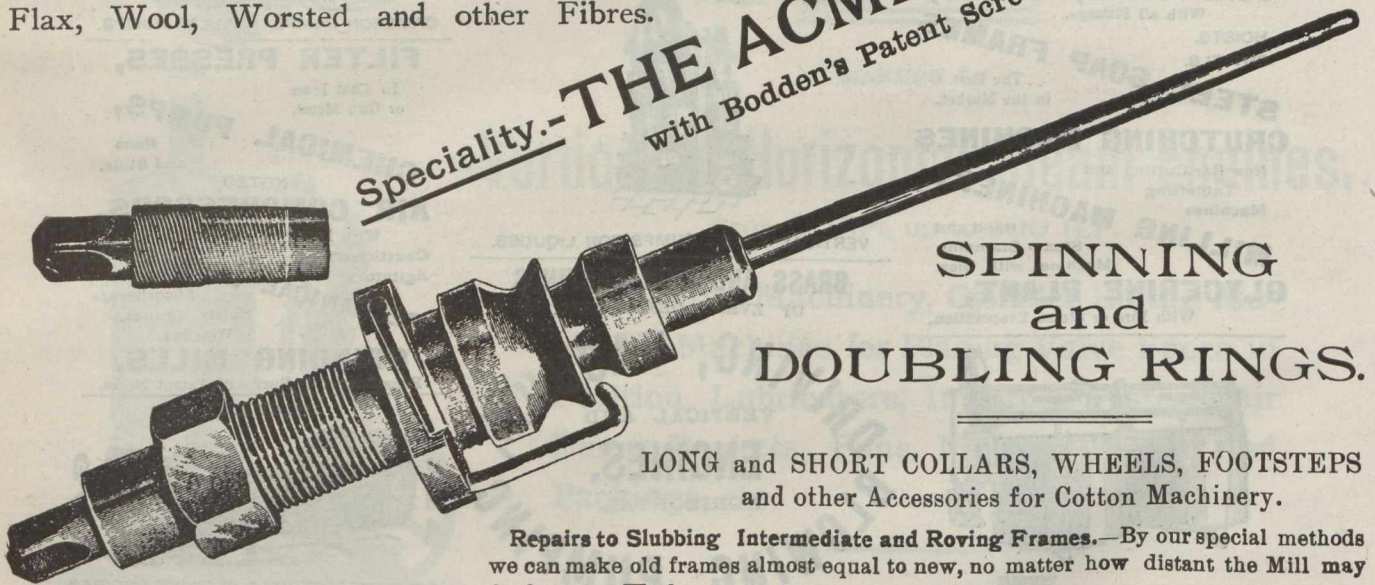
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ing the "S.C." generator is actually but little more than the filling of an ordinary paraffin lamp. N.B.—The "S.C." is a separate cells generator. Write for illustrated catalogue, price list. Special terms under new Canadian tariff. The Imperial "S. C." Acetylene Gas Company, Ltd., 30 St. Ann street, Manchester, England.

WESTERN WHEAT FIELDS.

Watching the hurrying crowds on Main street and the big throng of shoppers, most of them from rural districts, says a Winnipeg writer in the *Globe*, the question suggested itself, how much did the west make on its great grain crop last fall, and what have the people been doing with their money? The question was put before half a dozen of the most conspicuous men of affairs in Winnipeg, and an endeavor will be made to present their views upon it. The first part of the question is comparatively simple. The final official figures from the most reliable sources show that Manitoba and the Territories, in 1901, produced 109,000,000 bushels of cereals, 65,000,000 bushels being wheat.

Of the total wheat crop of 65,000,000 bushels, 10,000,000 are required for the feeding of the people of Manitoba and

for seed, leaving an exportable surplus of 55,000,000 bushels. On the 21st of March there had been inspected and shipped out 36,211 cars of wheat, containing 30,055,000 bushels, and about 3,000,000 bushels more had been exported in the form of flour. There were in elevators 12,000,000 bushels or a little more, a portion of this, not a large proportion, however, being still owned by the farmer. This leaves to date practically 10,000,000 bushels of wheat in the hands of the producer, besides the other grain not used in feeding during the winter. Taking the average price of wheat at fifty cents, and of other grains at twenty cents, the producer has been paid for at least 40,000,000 bushels of wheat, say, \$20,000,000. He holds in elevators and in private storage, say, 15,000,000 bushels, or \$7,500,000 worth of wheat. He has probably a contra-account with the folk in Winnipeg and the towns for a couple of million bushels used in feeding the townspeople, and thus, of course, will lessen his liabilities.

Manitoba itself had only a fair yield last year, and a good deal of the wheat, owing to exposure to the rain about harvest time, failed to grade number one hard. Mr. Hastings, of the Lake of the Woods Milling Company, says there is very little number one hard left in Manitoba, with the exception of the grain in the Mennonite section.

The custom of the Mennonites is to haul in a considerable proportion of the preceding year's crop after they have planted this year's. Mr. Black, of the Ogilvie Company, says his firm are not so much interested as usual in hunting out hidden sources of supply, because the volume was so large that millers were assured of wheat enough remaining in the country to meet their requirements. He thinks, however, the statements as to hold-over grain are rather optimistic. The milling men and grain-handlers generally believe the big proportion of the wheat still in first hands is in the Territories.

As against this view I find a very general opinion in mercantile circles, that the breakdown of the railway lines last fall left a very large quantity of wheat along the C.P.R. in Manitoba in the farmers' hands. In confirmation of this they refer to the letters of the storekeepers at Manitoba points, who, in asking extensions of credit and in explanation of failure to make remittances, say the farmers owing them have not been able to market their wheat. Navigation will open in a couple of weeks, the big Fort William elevators will be rapidly relieved, and then we shall be better able to discover whether the volume of wheat remains in producers' hands that is estimated. To the merchants here a satisfactory answer is of the first im-

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portance, for in all staples, and even in such luxuries as pianos and organs, I am told that collections are slow just now, and the amount carried on the books of the wholesalers are perhaps larger than at the corresponding period of last year. If, however,—and this is the important point for every man in Ontario making goods for the western market—the wheat in the farmers' hands is of the supposed volume, the money got for it will greatly reduce these store debts and leave the farmers in a far better relative position at the approach of harvest than they were a year ago.

And now let us turn to what the

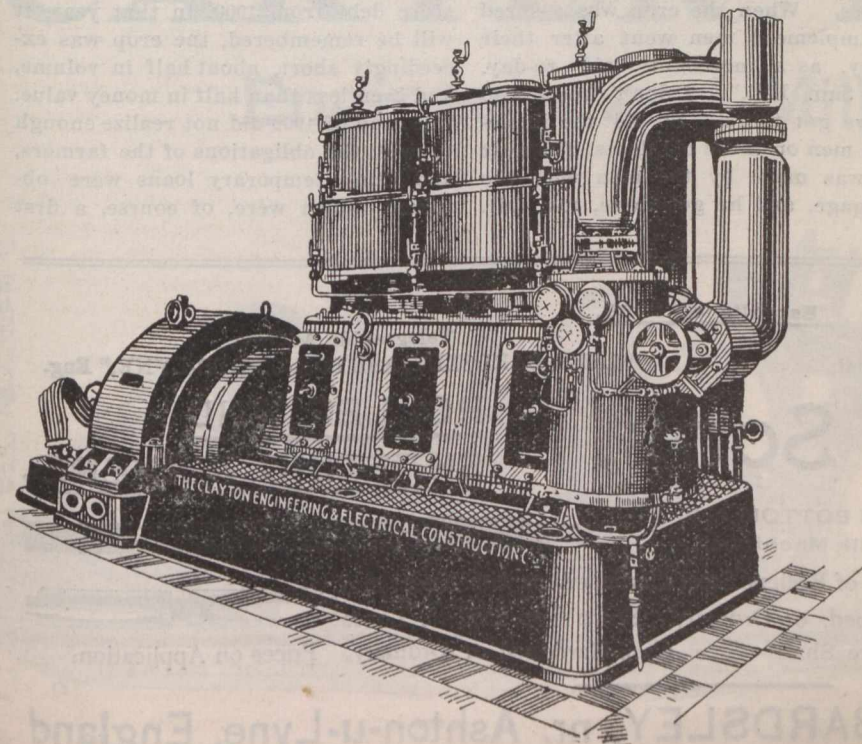
man on the prairie did with his money since the last crop began to move. By way of introduction, let me give a little snatch of conversation with a man who knows the Manitoba farmer, as the result of years of observation:

"You would be rather surprised to learn how general is the disposition of our farmers here to discount the future. They are a warm-blooded, generous-natured people of an exceedingly speculative nature. They put the future in pawn as a man down east puts his watch. Here is a story that came to me from a Brandon man to illustrate the point: It was rather dry in his section, and one day a young farm-

er rode a considerable distance from the homestead to some other land he owned, where men were doing work. The wheat was at a critical stage, and a shower was all that was needed to assure the crop. While the farmer, with his horse hitched near by, helped the men, it began to rain. He straightened up, looked at the sky, and said to the nearest man: 'This is worth hundreds to me. I need a buggy pretty badly, and I'll just go into Brandon now and buy it!'

"To Brandon he went through the rain, and bought the buggy and harness, for his credit was good. When he drove home in triumph he cried out to

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his wife: 'That rain was a mighty fine thing, wasn't it? I got this buggy on the strength of it.'

"And his wife turned to him with a frown and said: 'You big goose, the shower here did not last long enough to wet the surface. Look at it for yourself.'"

That may be a true story or the invention of some imaginative Brandon wag, but it hits off a part of the prairie farmer's character pretty well.

The crop of 1901 was largely devoted to three things—squaring up with the implement manufacturer, paying off mortgage instalments and interest in arrears, and buying additional land. It is easy to get gentlemen to talk for

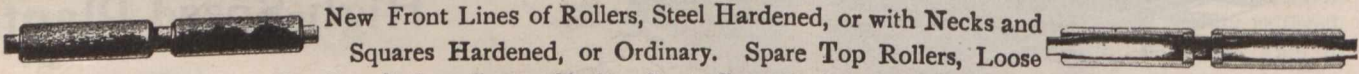
publication about the details of some other person's business, but harder to get details of their own. I may hazard the opinion, however, without fear of contradiction, that in the spring and summer of 1901 the books of the various implement companies, Canadian and American, doing business in the west showed that the farmers owed almost \$2,500,000 to the implement makers and dealers. When the crop was assured the implement men went after their money, as a merchant said to-day, "like Sam Hill." I don't know who always got there. So did the implement men on those old debts. The next call was made by the man with the mortgage, and he got there, too, Mr.

Fisher, the western Manager of the Canada Permanent & Western Canada, says payments on loans have been quite satisfactory. From other sources, I learn that profitable investment for loan company money is decidedly scarce, so much has the indebtedness been reduced.

Still another class of debt was pretty generally liquidated — the hold-over store debt from 1900. In that year, it will be remembered, the crop was exceedingly short, about half in volume, and even less than half in money value. The crop of 1900 did not realize enough to meet the obligations of the farmers, and many temporary loans were obtained, which were, of course, a first

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charge on the crop of 1901.

The third big department into which the money of last year's crop went was the improvement of buildings, and the acquisition of additional land. So far as the new buildings are concerned, the expenditure was judicious and wise. The Manitoba farmer is careful of his live stock and houses it well. He is a perfect prodigal, according to every trustworthy source of information, in his treatment of his farm implements, which are left out, in many cases, at the mercy of the elements all winter. I have heard more hard swearing out here over the way the farmers waste money on implements by their neglect than upon any other matter. A league for the promotion of the housing of implements and for grain storage on the farm would be the best investment the country could make.

In the purchase of additional lands there are so many issues involved that

I shall leave it for another letter, merely stating that in the opinion of business men here it was the most reassuring feature of the eventful season of 1901.

You will find no mention of the Manitoba microbe in the text-books of the pathologists, but it is a great deal more real than most of the microbe family. The chief effects of exposure to the Manitoba microbe are a remarkable stimulation of the imaginative faculty, and some change in the chemical composition of the retina of the eye, so that things are pictured there as they will be later on rather than as they are now. Most people back east fancy that Winnipeg has at present a little less than fifty thousand people. Quite probably, but the man who has in him the views of the Manitoba microbe sees moving through the streets countless multitudes of those who will yet make their homes here. These phantom folk

are scarcely less real to him than the men with whom he brushes shoulders every day. He creates them and fills them with the breath of life, as Dickens created that world of characters who live in his stories.

One goes in to a business man, and for a time he talks in a plain, matter-of-fact way of trade conditions, the price of goods, the outlook for summer business. All at once his eyes begin to glow at something that suggests the future, and before one is aware of it he has started a strange Ossian-like chant of the vastness and majesty of the plains and of the glory of subduing them to the use of man. Nothing can stay these rhapsodies. I broke into one the other day, intending to bring the day-dream to an end with a remark about the difficulty of getting around the country, owing to floods. Utterly useless. "The floods," he said. "Every friend of Manitoba is glad to see them."

CARTER BROS.,

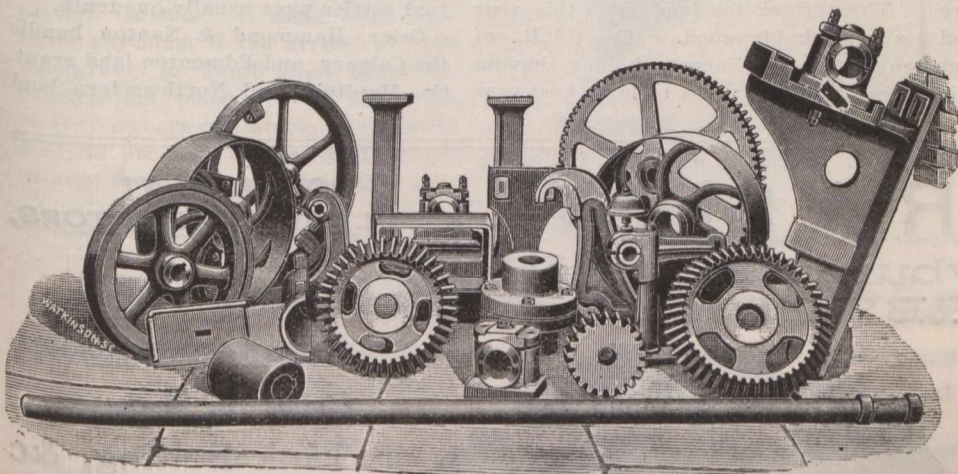
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I never knew the sign to fail yet. When in spring the water covers the ground as it is doing now, we have big crops—bumper crops." I saw nothing but a momentary disturbance of traffic; he saw miles of golden grain flashing in the sun as the result of the extra moisture.

This wonderful optimism is the west-erners' most valuable asset. Without it the long, weary, up-hill fight to establish a foothold would have been lost. Now it is won, and the fruits of victory are assured. "The man who has made the west," said a gentleman to-day, "is the type of settler I have often seen, who, on the day after his growing crop had been destroyed by hail, started to plough up for next spring's planting."

One of the most notable evidences of this optimism is the enormous buying of land at present, of which I spoke in a former letter. A considerable part of the money from the crop of 1901 went into the first payments on fresh land. Many of the purchases were speculative, but many more were for land that will go at once under crop.

Farmers are selling their present holdings and moving out to the more westerly portions of the Province and the Territories, where they can get larger areas. The reason for this is

frequently that room may be made for the children, who, when the first location was taken—a quarter-section, perhaps—were not big enough to warrant the hope that a half-section could be profitably handled. Now older Manitoba has her native-born, stalwart young men and women, who are beginning to be home-seekers on their own account.

Winnipeg townspeople are dabbling a bit in land, but not as yet very seriously. The most important element in the purchasing going on is unquestionably the American settler. The man from England, Scotland, or continental Europe who takes up land immediately on arrival is a homesteader. That is, he goes on a quarter-section of free-grant Government land. The American is rather shy as yet of homesteading, and prefers to purchase, because homesteading means two things—immediate change of allegiance and a lengthy period of residence. A large proportion of the settlers from the other side last year paid for railway lands, leaving the homesteads alongside vacant. This is a new development, and one the outcome of which will be awaited with interest.

The outlook for land sales this year is remarkably good. The C.P.R., of course, is the largest holder, having some 16,000,000 acres of land. Last year

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Canadians have 33½ p.c., in their favour, by purchasing these English goods from us, under the new Canadian Preferential Tariff.

New York Office and Warehouse.

the sales were just about a million acres; this year land was being freely bought as early as January, and the expectation of Mr. Griffin, the Land Commissioner of the company, is that the sales will total 3,000,000 acres. Up to date the ratio of increase is over threefold. Following are the figures for the first quarter of the year, the sales in Assiniboia, where the American immigration is the largest, being shown separately, although included in the totals in the first table:

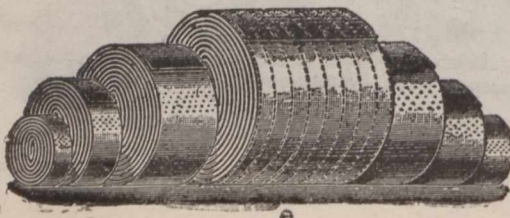
Totals for—	Acres.	Amount.
January, 1902 . . .	109,846.99	\$347,761.91
February, 1902 . . .	78,039.43	256,156.70
March, 1902 . . .	101,029.22	333,852.22
	288,915.64	\$937,770.83
Assa.	Acres.	Amount.
January, 1902 . . .	46,407.95	\$148,391.29
February, 1902 . . .	24,602.17	87,717.05
March, 1902 . . .	21,393.59	77,248.15
	92,403.71	\$313,356.49

The lands are sold in most cases on time payments, extending over a series of years, and to discourage speculation it is generally required that a speculator shall pay one-sixth of the cost down, while a person going in as an actual settler pays usually one-tenth.

Osler, Hammond & Nanton handle the Calgary and Edmonton land grant, the Manitoba and Northwestern land

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

T'grams—"Fletcher & Shaw, Sowerby Bridge.

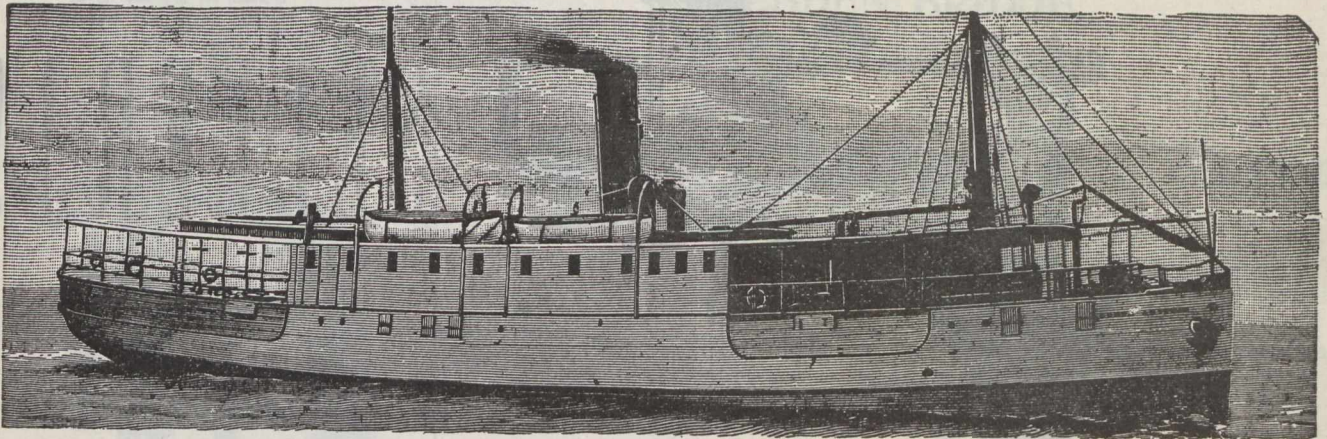
Manufacturers of every
description ofLeather Belting,
Laces, Picking Bands,
Combing Leathers, &c.

Telephone No.—0980, Halifax.

Cotton, Hair
and Link Belting, &cSpecial prices to Canadians under the
new Canadian Tariff.

Lytham Shipbuilding & Engineering Co.

LYTHAM, ENGLAND.



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

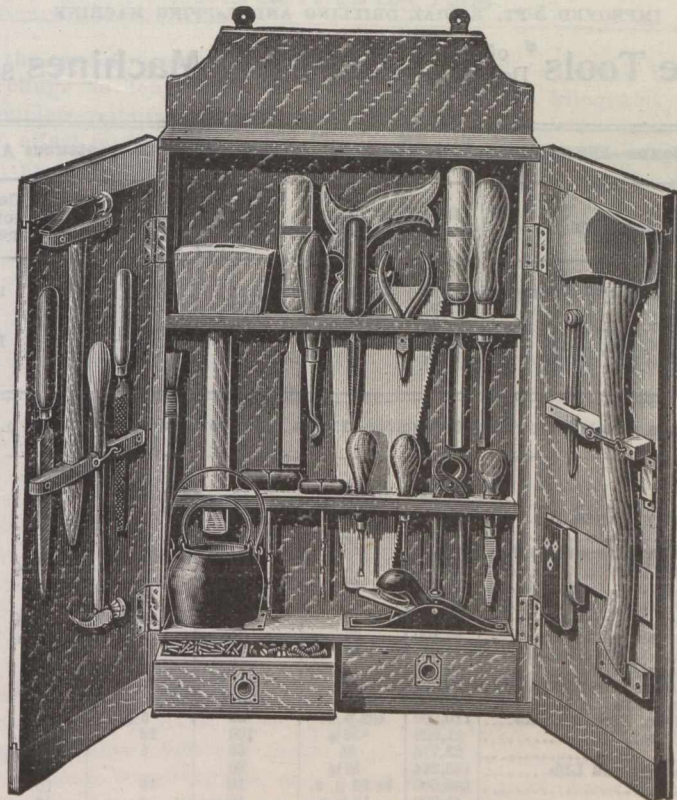
STEAM LAUNCHES UNDER CONSTRUCTION FOR SALE. STEEL STEAM BARGES. TWIN & SINGLE SCREW STEAM TUG BOATS. Telegraphic Address: Sternwheel, Lytham.

grant, and other railway lands. Their sales last year were 262,000 acres, which realized about \$900,000. This year already in the three months just closed they have sold 144,192 acres for \$459,500. Mr. Nanton of the Manitoba branch says the firm will dispose of at least half a million acres during 1902. These are but two typical cases. There are other large landholders such as the Hudson Bay Company, the Canadian Northern Railway, which is placing many settlers up in the Dauphin country, and private holders.

Including Government free grants, it is probably very much within the mark to say that six million acres of land will change hands this year and that at least four million acres will pass into possession of men who will go upon it as actual settlers. If we say that only one-fourth of the land so taken up will be put under crop in 1903, does the man in the east appreciate what it means? On that very conservative basis it means, averaged at twenty bushels to the acre, an addition to the wheat crop of 1903 of 20,000,000 bushels and to the annual earning power of the west of \$10,000,000. It means fully \$5,000,000 worth more of stoves and buggies, and implements and furniture, and farming tools and clothing from eastern Canada. If these land sales mean anything, if the arrival of 7,200 immigrants in March alone bears the construction placed on it here, the factory owners of Ontario and Quebec who do business in the West should enlarge their factories now and be pre-

James Needham

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



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

Taylor & Watkinson,

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

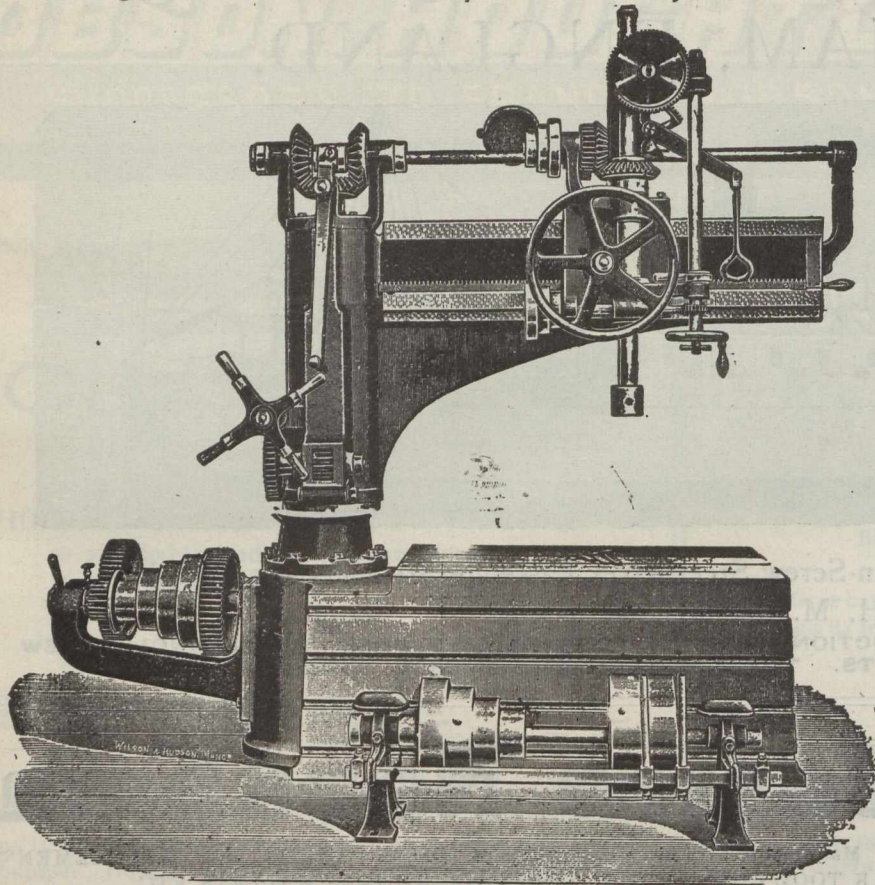
Canadian Printers will do well before ordering the usual supplies to send for our terms and discounts under the New Tariff and effect a saving of not less than 2½ per cent.

Shippers and the Trade Supplied.

PETER'S YARD, KIRKGATE, LEEDS, ENG.

GEORGE SWIFT,

Claremont Iron Works, HALIFAX, ENGLAND.



IMPROVED 5-FT. RADIAL DRILLING AND TAPPING MACHINE

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

STOCKS AND BONDS—INSURANCE COMPANIES—CANADIAN.—Montreal Quotations April 14, 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	3¼-6mos.	250	\$50	101½
Canada Life.....	2,500	5-6mos.	400	50	....
Confederation Life.....	10,000	7¼ 6mos.	100	10	....
Western Assurance.....	25,000	5-6mos.	40	20	106½
Guarantee Co. of North America.....	11,372	6	50	50	....

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

Alliance Assur.....	250,000	8s. p.s.	20	2 1-5	9¾	10½
Atlas.....	24,000	24 p.s.	50	6	26	227
British and Foreign Marine.....	67,000	25	20	4	18½	19½
Caledonian.....	21,500	12s. p.s.	25	5	5	28½
Commercial U. Fire, Life and Marine.	50,000	27½	50	5	45	46
Guardian Fire and Life.....	200,000	9	10	5	9½	10
Imperial Fire.....	60,000	25	20	5	30	31
Lancashire Fire.....	126,493	5	20	2		
Lion Fire.....	100,000	3	2½	1½	5	7
London and Lancashire Fire.....	85,100	22	25	2½	17½	18½
London Assurance Corporation.....	35,862	20	25	12½	52	54
London & Lancashire Life.....	10,000	10	10	2	8	8½
Liv. & Lon. & Globe Fire and Life...	391,752	90	St.	2	22½	29½
Northern Fire and Life.....	30,000	*22½	100	10	71	73
North Brit. & Merc. Fire and Life....	110,000	30s. p.s.	25	6½	36	37
Norwich Union Fire.....	11,000	*23½	100	12	104	107
Phoenix Fire.....	53,776	35	50	5	234½	23½
Royal Insurance Fire and Life.....	125,234	58½	20		48	49
Sun Fire.....	240,000	8s 6d p. s.	10	10	10	10½
Union.....	45,000	18 p. s.	10	4	13	15

* Excluding periodical cash bonus.

pared for the great increase of orders that must come from the new settlers in the fall.

FRENCH METHODS OF PEANUT CRUSHING.

The following is a copy of a report made by Consul-General Skinner, of Marseilles, in answer to inquiries by a correspondent:

In my first report on this subject, the statement will be noted that the kernels are freed from the red cuticle by a winnowing process before being sent to the presses, and it is not surprising, therefore, that in the American experiments following publication of the report, in which the opposite method was adopted, the oil acquired a bitter flavor. In Marseilles, this red skin is never crushed with the kernel

A BIG SELLER!!

Everyone in the Trade should stock them.



KING'S OWN CARAMELS



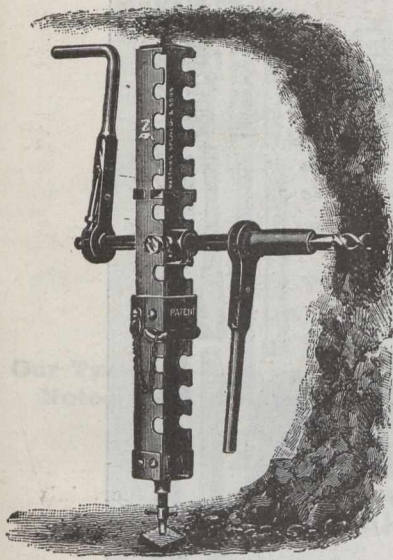
Manufactured Solely by The

Lancashire Steam Confectionery Co.,

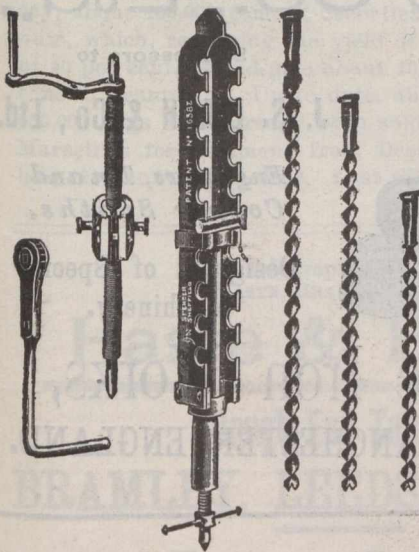
LIVERPOOL, England.

Special prices to Canadians under the new tariff.

MATTHIAS, SPENCER & SONS,



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



Ratchet Handle charged extra.

Albion
Steel
Works,
SHEFFIELD, ENGLAND.

Telegrams:—MYTHOLM MILL,
Hebden Bridge, England.

LIEBERS CODE USED.

Mytholm Steam Wagon Co.

HEBDEN BRIDGE,
Yorks, England,

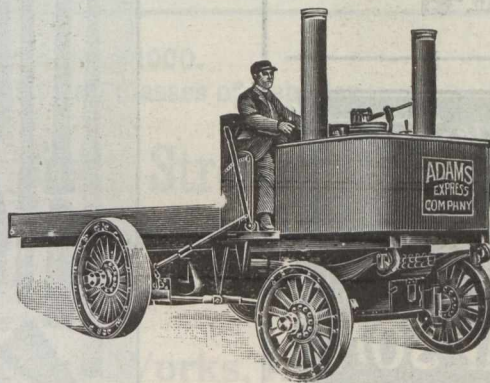
Makers of the

"Mytholm" Patent Steam Wagon,

For Rapid and Economical Transport
of Heavy Goods.

Special Features.
Latest Improvements.

Prices and Particulars on Application to
Sole Makers.



Will carry up to 5 Tons.

except in the case of a new crop, when the skin clings so tenaciously as to render complete removal difficult; but even then, effort is made to get rid of it, and it may be set down as an axiom that a good comestible oil cannot be obtained from an untreated kernel. The process of the removal of this kernel is mechanical as followed in this city, where the cost of labor is relatively high, but Mozambique nuts are received here in large quantities, which are decorticated by hand at the port of shipment, and from which the red skin is completely removed by the native laborer. These yield an edible oil, which is worth to-day from 74 to 75 francs per 100 kilograms (\$14.28 to \$14.47 per 200 pounds), naked, first pressure.

The nuts, having been prepared, are twice crushed—that is to say, the pressure is applied twice, and often three times, although at times the second pressure takes place without removal of the meal from the press. Different manufacturers follow different methods, some of them removing the meal after the first pressure, breaking it up and then returning it. In most factories, the meal is placed in horsehair bagging, and in some few it is placed in steel boxes, without any wrapper, following the American practice. The first pressing, from which results the high-grade oil, is cold, but for the second pressing the meal is brought to a temperature of from 30 deg. to 50 deg. C., according to the condition and quality of the nuts; the degree of moisture and temperature is left to the discretion of the foreman in actual control. The same amount of pressure is applied on both occasions. Two standard sizes of presses are used in Mar-

seilles, in one of which the hydraulic pressure is 500 kilograms per square centimeter of piston—that is to say, about 500,000 kilograms (1,102,300 lbs.) force. With the smaller presses, the pressure is exactly half the foregoing. In the case of the large machines, the pressure continues for thirty minutes, and in the case of the smaller double that time.

The yield of oil from decorticated peanuts from the Madras coast, which constitute the largest import for the Marseilles soap trade, is from 39 to 40 per cent. of their weight. The resultant cake contains from 7 to 9 per cent. of oil.

The price of the oil depends largely upon the purpose for which it is intended. As the market stands to-day in this city, oil from Madras decorticated nuts, utilized by soap manufacturers, brings 58 francs per 100 kilograms (\$11.10 per 220 pounds), naked first pressure, delivered to buyers' stores. The finest edible oils are obtained from nuts imported in the shell, these coming from the west coast of Africa, chiefly from Ruffisque and Gambia. Oils from these nuts are worth to-day from 75 to 80 francs per 100 kilograms (\$14.47 to \$15.44 per 220 pounds), naked, first pressure. As I said before, hand-decorticated Mozambique nuts give an oil now worth from 74 to 75 francs (\$14.28 to \$14.47). The second pressure oil from Ruffisque, Mozambique and Gambia nuts, which is suitable for illuminating purposes, is worth from 68 to 70 francs per 100 kilograms (\$13.12 to \$13.51 per 220 pounds).

Ground nut cake brings from 12.75 to 13 francs (\$2.46 to \$2.50) per 100 kilg-

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

MADE IN LIVERPOOL, ENGLAND.

TRADE PRICE:

1/2 lb. tins.....	\$1.20
1/4 lb. tins.....	\$1.25
1/8 lb. package.....	\$1.30
1-16 lb. package.....	\$1.30
Per lb.	

"Order direct or through your jobber."

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

Special prices to Canadians under the
new Tariff.

ESTABLISHED 1878

THOMPSON'S PRINTERS
PEARLINE
REGISTERED.

J. R. THOMPSON

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

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

WORKS:- HIGH COURT LANE, LEEDS

England

grams at mills, or 13.25 to 13.50 francs (\$2.55 to \$2.60) delivered f.o.b. Marseilles in bulk—that is to say, without bags. There is usually a difference of 3 francs per 100 kilograms (58 cts. per 220 pounds) in this market in favor of groundnut cakes over cottonseed cakes. The latter are worth to-day, delinted, 10 francs (\$1.93) per 100 kilograms at mills.

Marseilles oil cakes are sold almost exclusively for cattle feed. The statement brought to my attention that the meal is used in some European countries and in the German army as a diet for convalescents, I know nothing whatever about, but I doubt whether a demand for such supplies amounts to anything commercially. As a good staple diet for cattle, oil cakes of nearly every description have a recognized value in Europe, and are perhaps more keenly appreciated here than in the United States.

Reports just to hand from the Madras coast are in favor of a large crop for the present season, estimates of the exports reaching 1,000,000 bags. Should this figure be reached, the en-

ESTABLISHED 1850. ESTABLISHED 1850.

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

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



PATENT PAPER PERFORATED & SPECIAL TUBES & SPOOLS
FOR THE LATEST PATENT SYSTEM.

PERFORATED TUBES IN E. JACOB & Co's Patent System.

CANNETTES, PAPER FIRMS
Patent Conical and Parallel TUBES and SPOOLS
For Cotton, Worsted, Woolen, Linen, Flax, Hemp, Jute and Tow Spinners.

OLDEST MAKERS OF PAPER SPOOLS & BLOCKS
FOR THE LATEST PATENT SYSTEM.

COMPRESSED PAPER BOBBINS OF ALL KINDS
FOR MILL PURPOSES.

For Paper, Machine, Worsted, and Cotton, Flax, Hemp, Jute, and Tow Spinners.

SPECIAL WARPING BOBBINS for Exporting Yarns, Twines, &c.

PAPER TAP SLEEVES for Drawers, &c. **BRASS & WIRE SPINDLE RINGS.**

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

Which is acknowledged, after numerous trials, to be the most expeditious in producing Tubes from the ordinary material of Waste, Cotton, Hemp, Flax, and other Machinery.

Manchester Royal Exchange | Telephone: "TURKEY, Oldham"
No. 10, Peter, Daily. | All Communications to be addressed to the Works.

Oldham Cop Tube Works.
MOORHEY, OLDHAM;
ENGLAND.

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

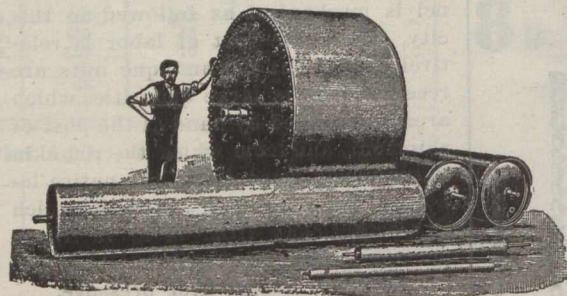
Donovan & Co., Ltd.,

Successors to

J. S. LEACH & Co, Ltd.

*Engineers, Tin and
Copper Smiths.*

Designers of Special
Machinery.



Broughton Bridge Iron Works,
SALFORD, MANCHESTER. ENGLAND.

D. & S. Electrical Accessories.

CIRCUIT BOXES

—with—

**D. & S. Patent Damper
BRIDGE FUSES**

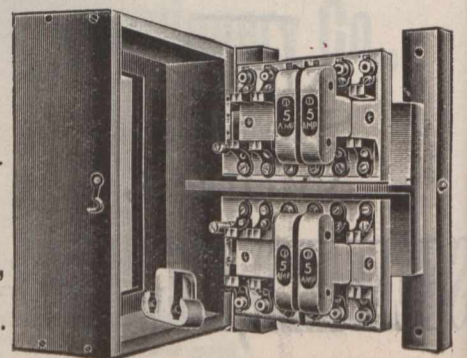
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Dorman & Smith,

HEAD OFFICE AND WORKS:

Ordsal Electrical Works, SALFORD,
England.

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



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

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

The Shrewsbury & Challiner Tyre Co., Ltd.,

MANUFACTURERS OF

INDIA RUBBER CARRIAGE

.....AND.....

MOTOR CAR TYRES EVERY DESCRIPTION.

Over 500 Tons supplied during 1900.
Made in three sizes to suit all classes of Vehicles.

Our Tyres are
Noted for **Comfort, Combined with Strength and Durability.**

All Sizes of **AMERICAN WARNER WHEELS** always in stock.
STEEL SPOKE WHEELS for Carriages, Motor Cars, &c.

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

WRITE FOR DESCRIPTIVE PRICE LIST.

(Cuts will be inserted as soon as received.)

tire exportation, at 80 kilograms (176 pounds) per bag, would give a total of, say, about 100,000 tons of decorticated nuts, which, reckoning the yield of oil at 40 per cent., would give about 40,000 tons of peanut oil. Up to date, about 650,000 bags have already been sold to Marseilles for shipment from December, 1901, to April 30, 1902. Last prices paid were 25.75 to 26 francs (\$4.97 to \$5.01) per 220 pounds, cost and freight Marseilles, landing weights. The value of Mozambique decorticated nuts is 34 to 35.40 francs per 100 kilograms (6.56 to \$6.65 per 220 pounds), delivered landing quay at Marseilles. The soap mills of Marseilles consume on an average 3,000 to 3,500 tons of groundnut and other seed oil per month, and about the same quantity of copra and palm-kernel oil.

WHITE LEAD A CENTURY AGO.

In "Bell's Cyclopoedia" of 1819 will be found an interesting article on

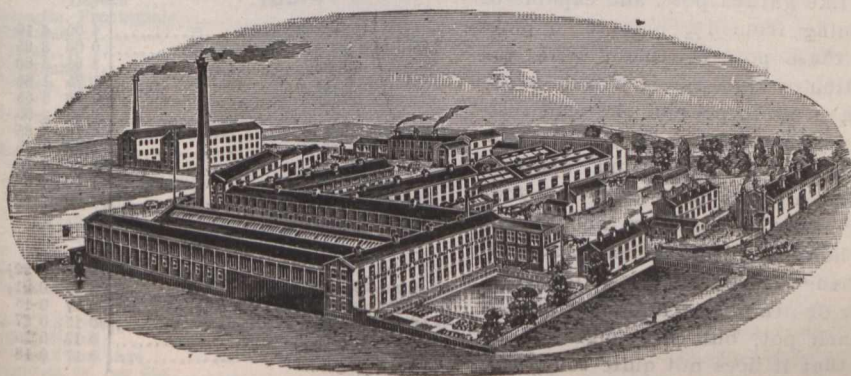
Telegraphic Address:
"HASTE, BRAMLEY, LEEDS."

Haste & Brown,

Hough End Tannery,

BRAMLEY, LEEDS, - Eng.

—Tanners, Curriers,-
Enamellers & Japanners.



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

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

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



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

JOHN HALLIDAY & SON

Wholesale and Export Manufacturers
Of Strong and Medium



Men's,
Women's
and
Children's

BOOTS

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

WARRANTED
ALL
LEATHER.

BRAMLEY, LEEDS,
ENGLAND.

MONTREAL WHOLESALE PRICES CURRENT,
THURSDAY, APRIL 17, 1902.

Name of Article.	Wholesale	
	\$	c
Drugs & Chemicals		
Acid Carbolic Cryst medl.	0 35	0 40
Aloes, Cape.	0 16	0 18
Alum	1 40	1 75
Borax, xtl.	0 04	0 08
Brom. Potass	0 70	0 80
Camphor. Ref Rings	0 00	0 80
" Ref oz. ck.	0 80	0 85
Citric Acid	0 40	0 45
Citrate Magnesia lb.	0 25	0 45
Cocaine Hyd. (oz)	6 09	6 10
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 00	5 50
Morphia	1 65	1 75
Oil Peppermint lb.	2 75	2 50
Oil Lemon	1 25	1 50
Opium	3 75	4 00
Oxalic Acid	0 06	0 09
Phosphorus	0 50	0 75
Potash Bichromate	0 08	0 10
Potash Iodide	3 00	3 40
Quinine	0 35	0 45
Strychnine	0 65	0 80
Tartaric Acid	0 30	0 35
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	2 00	3 00
Blue Vitriol	4 75	6 75
Brimstone	2 00	2 50
Caustic Soda 60	2 25	2 50
" " 70	2 50	2 75
Soda Ash	1 95	1 50
Soda Bicarb.	1 75	2 25
Sul. Soda	0 75	0 85
" Concentrated	1 50	2 00
Dyestuffs.		
Archil, con.	0 27	0 29
Cutch	0 08	0 09
Ex. Logwood	0 09	0 12

white lead. This commodity has passed through so many experiences that it is interesting to look back to the methods of manufacture of a century ago. We reprint the article as it stands:

"Ceruse, Cerusse, or White Lead.—The mode of manufacturing this article was long made a particular secret and it still continues so with some manufacturers; the following account is obtained from a visit to the works of a respectable house in that line.

"The first operation in making ceruse is melting the blue or metallic lead (the softer quality is the better for this work) into a case or mould, which shall form each sheet nearly two feet long, about five inches broad and about the sixteenth of an inch thick, that it may with convenience roll spirally up, so as to leave the space of half an inch or an inch between each coil, and thus be placed vertically in earthen pots in shape like garden pots, and capable of containing from 1½ pint to 6 pints each; these pots are made with one projection or more rising within on the middle, so as to prevent the lead resting on the bottom; on these the coil is placed perpendicularly, and upon its top edge, another piece near one foot across is laid horizontally; about half, or a whole pint, wine measure, according to the size of the pots, of strong vinegar or other acid liquor, is poured into each pot, but care ought to be taken that it does not quite touch the

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, APRIL 17, 1902.

Name of Article.	Wholesale.	
	\$	c
Chip Logwood		
Chip Logwood	1 75	2 50
Indigo (Bengal)	1 50	1 75
Indigo Madras	0 70	1 00
Gambier	0 07	0 08
Madder	0 09	0 12
Sumac	60 00	65 00
Tin Crystals	0 28	0 30
Fish.		
Bloaters, per box	1 00	1 25
Labrador Herrings, N.F.	0 00	0 00
Herrings, Nova Scotia	0 00	5 80
Mackerel No. 2, brls.	0 00	12 50
" " ¼ barrel	6 00	6 50
Green Cod, No. 1	7 00	7 50
Green " large	5 00	5 00
No. 2	5 00	5 50
Large dry Gaspe per qntl.	6 00	6 25
Salmon, brls Lab.	11 10	14 00
Salmon, (half brls)	0 00	6 50
" Brit. Cbl brls.	11 50	12 00
Boneless Fish	0 04	0 06
" Cod	0 05	0 06
Skinless Cod, case	5 00	5 50
N. S. Salt Herrings, in half-barrels	0 00	3 00
Salt Lake Trout, half-brls	0 00	0 00
Salt Whitefish	0 00	0 00
Loch Fyne Herrings, keg	1 10	1 15
Flour.		
Winter Wheat patents	4 00	4 10
Manitoba patents	0 00	3 95
Straight roller	3 65	3 80
do bags	1 75	1 85
Strong Bakers	0 00	3 65
Superfine	0 00	0 00
Rolled Oats	4 75	4 85
Corn meal, bag	1 40	1 45
Bran bulk	19 00	20 00
Shorts	21 00	22 00
Mouille	24 00	27 00
Farm Products.		
Butter; Choicest Cr.	0 22	0 22
Fall makes do	0 21	0 21
Under Grades Cr	0 17	0 18
Western Dairy	0 15	0 17
Good to choice	0 13	0 15
Fresh Rolls	0 17	0 18

Telegrams: "WATCH, PRESCOT."

The Lancashire Watch Co.

LIMITED.

PRESCOT, Lancashire, Eng.

The Largest Manufacturers of

ENGLISH WATCHES

In Great Britain.

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

SPECIALITIES FOR THE CAPE TRADE.
SPECIAL TERMS TO SHIPPERS.

Indent for "Lancashire" Watches. Catalogues and Price Lists Free on Application by the Trade.

LONDON OFFICES:

56 to 60 Holborn Viaduct, E.C., England.
Birmingham Offices:—62 ALBION STREET, ENGLAND.

AGENTS FOR CANADA:

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

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, APRIL 17, 1902.

Name of Article.	Wholesale.	
	\$ c	\$ c
Hardware.—Con.		
Coil Chain—No. ¼	3 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
Galvanized Staples—		
100 lb. box, 1¼ to 1½	3 25	0 00
Bright, 1¼ to 1½	2 90	0 00
Galvanized Iron:		
Queen's Head, } gauge 28	4 40	4 65
or equal. } gauge 28	4 10	4 35
Comet do 28 gauge		
Iron Horse Shoes:		
No. 2 and larger	0 00	3 50
No. 1 and smaller	0 00	3 75
Bar Iron, per 100 lbs.		
Car lots	1 90	1 95
Norway, base	0 00	0 00
Am. Sh. St'l, 6 ft. x 2½ ft., 18	0 00	4 25
" " " 20	0 00	2 70
" " " 22	0 00	2 95
" " " 24	0 00	3 10
" " " 26	0 00	3 20
" " " 28	0 00	3 45
Bolter 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.		
Canada Plates:		
Full Polish	3 75	
Ord. 52 sheets	2 75	
" 60 do	2 80	
" 75 do	2 85	
Black Iron pipe, ½ in. x ½ in.	2 72	
¾ in.	2 92	
1 in.	3 42	
1¼ in.	4 85	
1½ in.	6 85	
2 in.	8 20	
2½ 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 20	base
" Sleigh shoe, 100 lbs.	2 10	base
" Toe Calk	2 66	
" Machinery	2 75	base
" Harrow Tooth	2 50	
Tin Plates:		
10 Coke, 14 x 20	4 25	
10 Charcoal, 14 x 20	4 50	
10 Charcoal	5 50	
IX "	6 50	

opened, the lead is taken out and thrown together into a large receiver full of cold water, having a partition running across it slanting from the highest part, where it may be only twelve inches from the top towards the lower, and the depth from the top of the receiver to the frame or partition may be three feet this is pierced from its highest to its lowest part with holes of about half an inch diameter.

In many manufactories a workman is employed here, who, with a long pole and a strong head annexed to it, stirs, beats and breaks the pieces by which means the corroded lead breaks off in flakes or as dust, and falls through the holes to the bottom of the receiver; in other white-lead works this part of the process is accomplished by a machine receiving its motion and strength from the power that turns the mill which is to grind the white lead into powder. The introduction of water into this part of the process has been a great means of preserving the health of the people employed in the works, thus removing a strong objection against apprenticing children to this business. Formerly the lead was uncovered, and the corroded parts broken off without the intervention of water, and the lead dust got upon the lungs of the workmen, from which, owing to the peculiar deleteriousness of this metal in any shape, few lived beyond forty years. The blue lead left from this part is melted again, with a proper addition of fresh metal, and submitted to the above operations. The white substance is transferred to the

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, APRIL 17, 1902.

Name of Article.	Wholesale.	
	\$ c.	\$ c.
Terne Plate 10, 20x28		
Russ. Sheet Iron	7 75	0 00
Lion & Crown tin'd sh'ts	0 10	0 00
22 and 24 gauge case lots		00 7 00
26 gauge	0 00	0 7 75
Lead: Pig, per 100 lbs;	3 25	3 35
Sheet	0 00	0 04½
Shot, 100 lb., less 2½ p.c.	0 00	6 50
Lead Pipe, per 100 lbs.	7 00	0 00
		less 35 p.c.
Zinc:		
Spelter, per 100 lbs.	0 00	4 75
Sheet, Zinc	5 75	6 00
Black Sheet Iron.		
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
Wire:		
Plain galv'd, No. 5	3 95	0 00
do do No. 6, 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 55	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—	3 00	f.o.b.
Spring Wire per 100, 1.25		Montreal,
net extra.		
Iron and Steel Wire pl'n		
6 to 9	2 50	base.
Rope.		
Steel, base	0 00	
" 7-16 and up	0 12½	
" ¾ "	0 12½	
" 5-16 "	0 13	
" ¾ "	0 12½	
" 3-16 "	0 13	
Manilla, 7-16 & lgr.	0 16	
" ¾ "	0 16½	
" 5-16 "	0 17	
" ¾ "	0 17	
" 3-16 "	0 17½	
Lath yarn	0 10	

JOHN MACKINTOSH LTD

DEPOTS:
90 Holloway Road,
London, Eng.;
447 Moseley Road,
Birmingham, Eng.



DEPOTS:
School Street,
Dewsbury;
Also at Sheffield.



TOFFEE

MANUFACTURING

TELEPHONE No 453
TELEGRAMS: MACKINTOSH
CONFECTIONERS HALIFAX

CONFECTIONERS

HALIFAX
ENGLAND

VIOLIN STRINGS.

TO VIOLINISTS. Please send me your address for post free catalogue of

**STRINGS, FITTINGS
And NOVELTIES.**

Specialities in E. Strings, unrivalled for durability and brilliance of tone.

W. EASTBURN,
Violin Maker and Repairer,
HALIFAX, Eng.

cow. See a curious account of it in the _____.

"Cerule is the only white hitherto found fit for painting in oil; the discovery of some other white for this purpose is desirable, not only from the faults of ceruse as a paint, but also from its injuring the health of its manufacturers and producing a dreadful disease, which lead and all its preparations frequently occasion, called the colic of minerals, or the colic of painters.

"The Chinese make a use of this preparation of lead, which it is easier to see the advantages of, than to comprehend the manner in which they are brought about. The china vessels, when they have been baked and finished as to

"Robisco" White Metal,

(REGISTERED.)

THE STANDARD OF PERFECTION.

REGISTERED TRADE MARK.

FOR
MARINE,
RAILWAY,
TRAMWAY,
MINING,



ROLLING MILLS,
DYNAMOS
And
GENERAL
MACHINERY
BEARINGS.

PRICES ON APPLICATION.

SOLE PROPRIETORS

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

the matter, and even covered with their varnish, will yet receive into their very substance the colors which those people mix up, with an addition of ceruse, and, as some of the old accounts say, of copperas and saltpeter; but though these latter ingredients has used to be added, the ceruse alone supplies their place at this time, at least, in very

many things. It would be worth while to try an admixture of ceruse with the colors used in painting of glass; and this, after a second baking, might, perhaps, be found to incorporate itself in the same manner that it does into chinaware, and recover the long secret of letting in the strongest colors, without hurting the transparence."

Eclectic Steel Co., Limited,

Princess Street Works,
SHEFFIELD, Eng

MANUFACTURERS OF

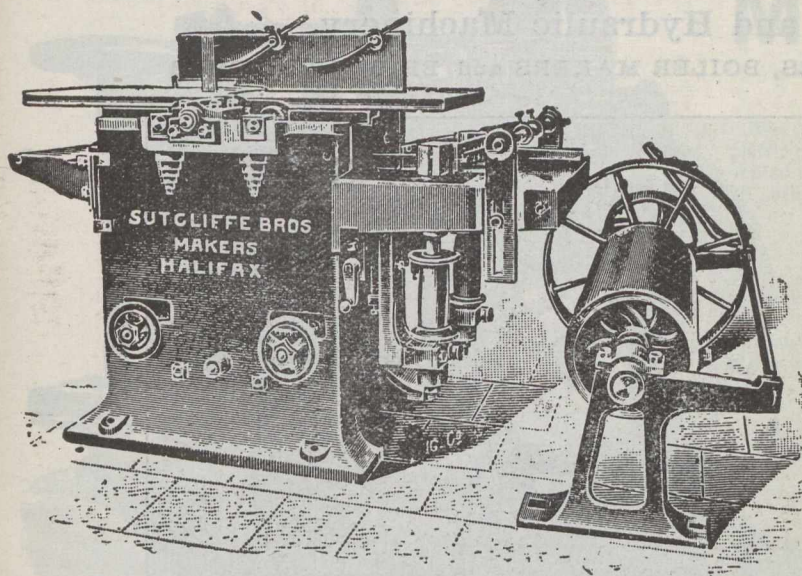
CRUCIBLE CAST STEEL

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.

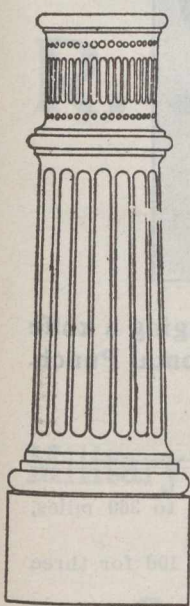
SUTCLIFFE BROS., Wood Working Machine Makers, Causeway, Halifax, Yorks, Eng.,



Combined 3-Sided and Planing out of Twist Machine

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

Special prices to Canadians under the new Tariff.



ROSS & WALPOLE

Limited

**Engineers,
Millwrights,
Boiler-Makers.**

**Electric Light and
Tramway Pole Bases.**

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

TELEPHONING IS CHEAP.

In no country in Europe is the telephone brought to such a pitch of perfection as in Sweden, where the instrument enters into the daily life of the people in a manner that would cause unbounded astonishment in this country. There are two classes of telephone in use, says the Pall Mall Gazette—the "Riks," or Government variety, and the "Allmanna," or general. These latter are subdivided into three further varieties—the Star telephone, which costs £5 1s per annum; the ordinary telephone at 11s a year for five years after installation, plus £3 6s per annum for use; after five years, however, the 11s a year ceases. And the third variety of the general telephone is the "District," which costs only £2 a year. The cost of the Riks, or Government telephone is £2 16s a year,

**MANTELS,
TILES,
MOSAICS,**

**TRANSOM
and PAVEMENT
PRISMS.**

WEBSTER BROS. & PARKES,

228 ST. JAMES ST..

MONTREAL, Que.

and here are the distances and call charges for these instruments:

Up to 6 miles outside of Stockholm, 2d for every three minutes.

Over 60 to 150 miles, 4d for three minutes.

Telegraphic Address:
"ALEXSON, LEEDS."

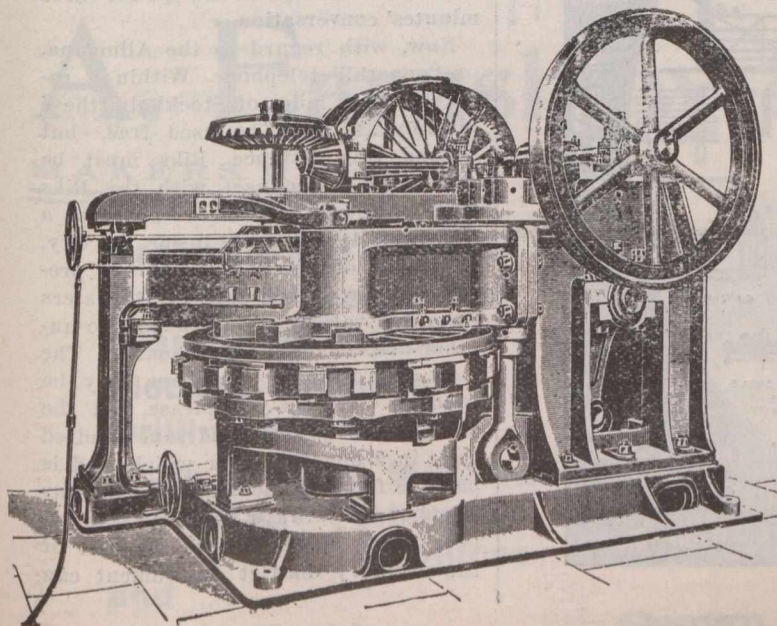
**Brick, Tile and General
Clay Working Machi-
nery**

Herbert Alexander & Co.

LIMITED.

Queen's Engineering Works

Water Lane,
LEEDS, Eng.



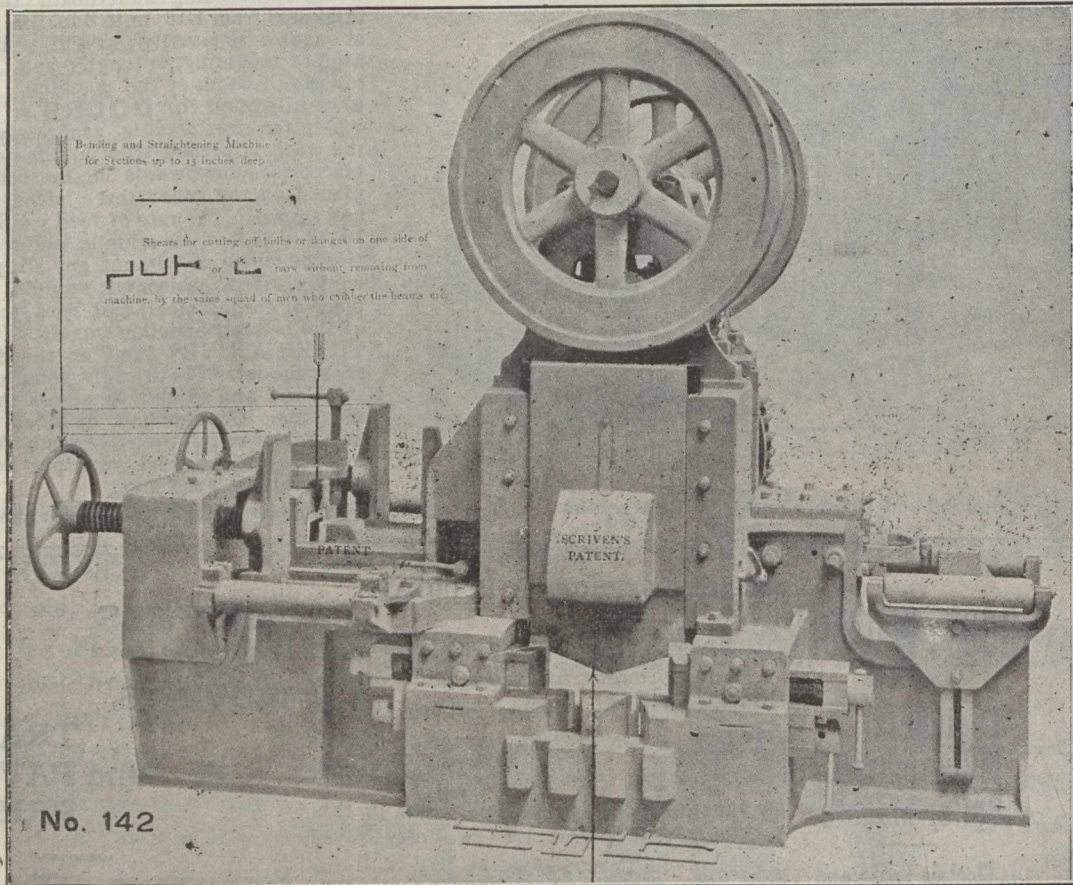
ESTABLISHED 1851.

Tel. Address: "SCRIVEN, LEEDS."

SCRIVEN & Co., LEEDS. ENG.

Machine Tools and Hydraulic Machinery,

For ENGINEERS, SHIPBUILDERS, BOILER MAKERS and BRIDGE BUILDERS



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

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

GOVERNMENT CONTRACTORS.

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

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

FRANCIS MORTON & CO. LTD.

HAMILTON IRON WORKS
GARSTON NEAR LIVERPOOL.

AREA 100 ACRES.
RICK
COVERS,
GRANARIES,
WIRAILINGS,
GATES, WIRE
AND UNCLIMBABLE
FENCING OF ALL
DESCRIPTIONS.

LONDON OFFICE
12 VICTORIA STREET
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CAPACITY OF OUTPUT
30,000 TONS ANNUALLY.
LIGHT
& HEAVY
CASTINGS
BLAST
FURNACE CASINGS,
HOT BLAST STOVES,
VALVES & RADIAL DRILLS.

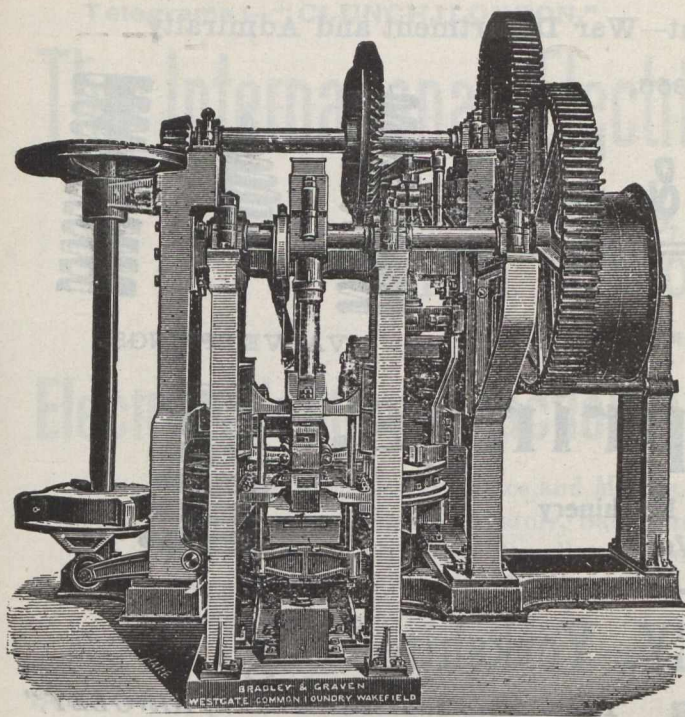
One hundred and fifty to 360 miles, 6¾d for three minutes.

From 360 to 540 miles, 10d for three minutes.

Over 540 miles, 1s 1½d for three minutes.

It must be understood that these rates apply to Sweden only. In Norway the rates vary according to distance from 6¾d to 2s 3d, and in Denmark from 1s 8¼d to 2s 9¾d for three minutes' conversation.

Now, with regard to the Allmanna, or "general" telephone. Within a radius of forty miles of Stockholm these instruments may be used free, but beyond this distance Riks must be used; and to connect with the Riks from your own Allmanna apparatus a charge of 1¼d is made inside the city, while the ordinary Riks charges prevail outside. Accounts for transfers from one variety of instrument to another are rendered every quarter. The star and ordinary telephone may be used as often as you please, but the district variety is limited to a hundred calls in a quarter, after which 1¼d is payable for each message. The star telephone is always found in the offices of big shops, so that the user of the ordinary district instrument can



Craven's Patent Brick Moulding and Dressing Machines.

BRICK MACHINERY

For Working all kinds of Clay.

The stiff or semi-plastic system of Brick-making for producing a dense plastic pressed brick ready for immediate removal to the kiln was invented by us 28 years ago, and it is most successfully working in nearly 11 parts of the world.

Double the Strength of any other Machines in the Market.

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

Bradley & Craven,
LIMITED

Westgate Common Foundry, WAKEFIELD, Eng.

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

R. J. Ward & Sons,



Military Musical Instrument Manufacturers.

Wholesale Importers
and Exporters of—

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

transact his business with merchants and trades people of every kind without in any way interfering with his own hundred quarterly conversations. Distracted users of the telephone in London will be interested to know that a reply is always forthcoming from the central station in about ten seconds.

In Stockholm ladies hold quite long conversations with their friends by telephone, and the man in the street can drop into practically any shop and telephone to any part of the city for 1¼d. Even people in the country use telephones to an extent almost incredible to us, and practically every village has its own telephone station.

The Rev. Edward Shepherd, chaplain to our legation in Stockholm, writes as follows:

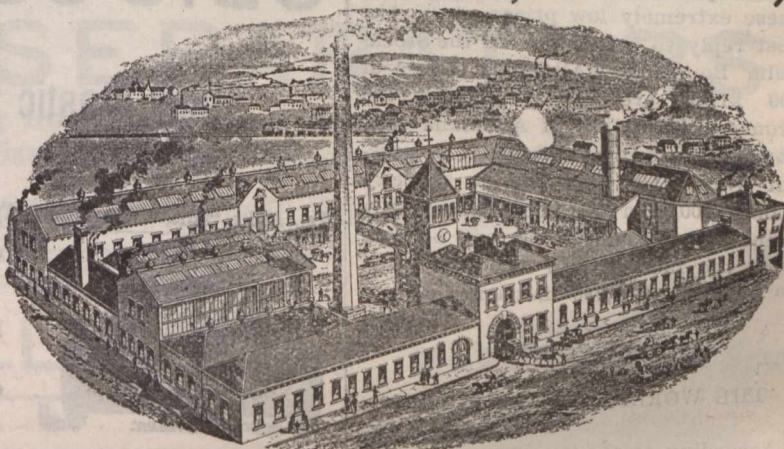
"My cook's parents live in a small village about fifteen miles from here (Stockholm) and if she wants to speak to them she simply goes to my telephone and rings up the village grocer's shop. Then the people there send for

A. Earnshaw & Sons, Ltd.,

MAKERS OF

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

and
Milling Machines.

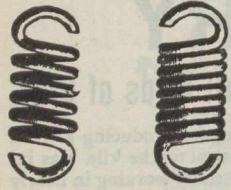


Crown Works,

HALIFAX, ENG.

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

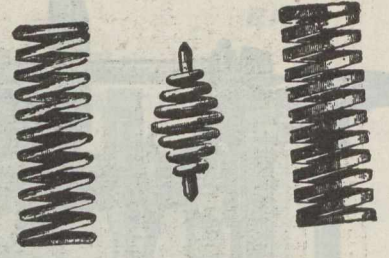
ESTABLISHED 1856.



VALVE SPRINGS.

Joseph Steel & Sons,

MAKERS OF



VALVE SPRINGS.



Spiral Springs,



For all Classes of Machinery and Engineering Work.

Harden near BINGLEY, Yorkshire, Eng.

Special terms to Canadians under the new Preferential Tariff.

Telegraphic Address, "STEEL, BINGLEY."



the woman's relatives to come and speak to her on the wire.

"I suppose," Mr. Shepherd goes on to say, "that our English Church here in Stockholm is one of the few in the world which has on its notice board the chaplain's telephone number. It works quite well, for if people are absent from church on Sunday the telephone can be operated on Monday to enquire if they are ill."

Almost everybody in Sweden, and particularly in the city of Stockholm, turns naturally to the telephone, and if one is away from home and is suddenly recalled one naturally telephones home to see whether the servants are in or out. The apparatus used is very simple, and the ear and mouth pieces are so connected, and the cord is so long, that you can sit comfortably in your chair and talk. In the house in which the British chaplain at Stockholm now resides (a block of ten flats) there are no fewer than ten Allmanna and four Riks telephones installed. It is rumored in Stockholm that an amalgamation of the Allmanna and Riks telephone is contemplated in the near future.

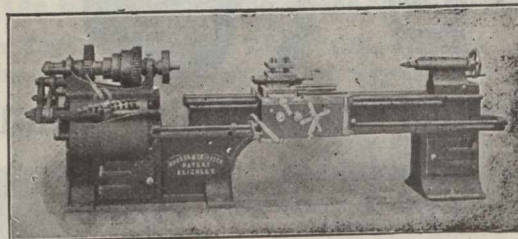
It may be asked, "Do telephones at these extremely low prices pay?" The best reply to this is that on the Stockholm Bourse the Allmanna shares of 100 kroner are now quoted at 525 kroner. The number of Allmanna telephones in use in Stockholm is at present over 23,000, and outside the city about 4,500; and that the instrument is found of increasing value will be seen from the fact that in 1900 there was an increase of 2,786 instruments.

THE WORLD'S LINSEED CROP.

According to the Crop Reporter, published by the Department of Agricul-

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

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



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

Special Terms to Canadians under the New Tariff.

ODIC COMPOSITIONS

MANUFACTURERS:

Odic Plastic Composition Company, Ltd.

33 Broad Chare,

Newcastle-on-Tyne, England.

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

"ODIC COMPOSITION"

Non-Explosive, Non-Poisonous.

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

"ODIC" PLASTIC CEMENT

Non-Poisonous.

For Steam Joints, Boiler Seams, Etc.



AGENTS WANTED IN CANADA.

Telegrams :— "CLUNCH, LONDON."

The International Electrical Engineering Company,

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

MANUFACTURERS OF

Electric Lighting, Traction and Power Transmission Plant.

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

Send For Price Lists.

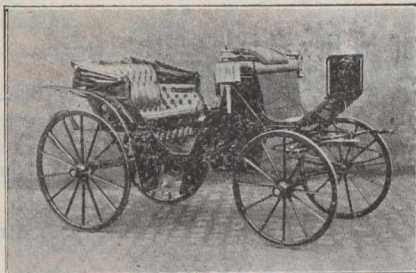
Special prices to Canadians under the New Tariff.

(Cut will be inserted as soon as made.)

Established 1779.

Telegraphic Address : " ANNE COWBURN."

ANNE COWBURN,



Carriage Builder

AND

Harness
Manufacturer.

MOTOR CARS A SPECIALITY.

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

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

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

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

ture, the flaxseed crop of the world for 1900, the latest year for which comprehensive figures are available, amounted to 64,466,500 bushels, against 61,726,600 bushels in 1899 and 72,938,500 bushels in 1898. Upward of 96 per cent. of the crop was produced in four countries, viz., the United States, Russia, India, and Argentina, less than 5 per cent. of the total crop being produced in all other countries of the world combined. In 1900 Russia produced 32.06 per cent. of the world's crop; the United States, 31.02 per cent.; India, 18.61 per cent.; Argentina, 13.75 per cent., and all other countries combined 4.56 per cent.

The prices made upon flaxseed in the United States in the crop year 1900-1 were the highest in twenty years, the highest Chicago quotation having been in July, 1901, when the price of seed reached \$1.94 per bushel.

The exports of flaxseed in the fiscal year ended June 30, 1901, were 2,755,683 bushels, valued at \$4,319,102; imports during the same year were 1,631,726 bushels, valued at \$2,098,207, leaving an excess of exports over imports of 1,128,957 bushels.

Under average conditions the quantity of oil that may be manufactured

The Patent Electro-Magnetic SEPARATORS,

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

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

PRICES ON APPLICATION TO

A. E. GASKELL & CO.,

6 DICKINSON ST.,
MANCHESTER, Eng.

Contractors to Admiralty.

(Cuts will be inserted as soon as made.)

Works: ROCHDALE, Eng.

Telegrams:—"TEESDALE, STOCKTON-ON-TEES, Eng."
Telegrams:—"TEESDALE, LONDON, Eng."

London Office:
5 VICTORIA STREET WESTMINSTER.

HEAD. WRIGHTSON & COMPANY.

(LIMITED)

Contractors to His Majesty's and Foreign Governments and English Railways, the Secretary of State for India, The Agent-General for the Cape of Good Hope, Crown Agents for the Colonies, Great Indian Peninsula Railway, Bombay, Baroda and Central India Railway, South Indian Railway, East Indian Railway, Madras Railway, Bengal Doars Railway, Bengal and North Western Railway, Central Argentine Railway, Argentine Great Western Railway, Argentine North-Western Railway, Midland Uruguay Railway, Great Eastern of Uruguay Railway, Mexican Southern Railway, Peruvian Railway, Recife and San Francisco Pernambuco Railway, Western Railway of Havana, Tehuantepec Railway, Alcoy Gandia Railway, Algeciras and Gibraltar Railway, Cordova and North Western Railway, Puerto Cabello and Valencia Railway, Imperial Chinese Railways, Imperial Japanese Railways, Nippon Railway of Japan.

Patentees and
Makers of

Moore's
Patent
Pulley
Block.



PUTNEY BRIDGE, OVER THE RIVER THAMES, LONDON.

Patentees and
Makers of

'The
Teesdale'
Patent
Pulley
Block.

The Following are a few of the Principal Contracts Executed by this Firm :

Kistna Bridge, Empress Bridge (Indian State Railways); Orange River Bridges, Klang River Bridge, Baaken's River Bridge, Sunday River Bridge, Vaal River Bridge (Cape Government Railways); Ibiouy Viaduct, Imbahia Bridge, (Brazilian Great Southern Railways); Encarnacion Viaduct (Mexican Central Railways); Chitravat Bridge (Madras Railways); Odiel Viaduct (Zafra and Huelva Railway); Manaos Reservoir; Port Elizabeth Jetty; Becton Pier; St. Leonard's Pier; Dover Harbour Pier; Herne Bay Pier; Ramsey Landing Pier; Menai Straits Bridge Renewal; Barnes Bridge Widening; London Bridge Widening; Caisson for H.M. Dockyard, Devonport; Caisson for Calliope Graving Dock; Caisson for Imperial Docks, Nagasaki, Japan; Liverpool Street Station Extension, &c., &c.

MANUFACTURERS OF

Blast Furnace Iron & Steel Works Plants

MILLS' PATENT WATER-SEALED VALVES, CAST-IRON
BOWL SLEEPERS, RAILWAY and TRAMWAY CHAIRS.

Cast-Iron Tanks, Girders, Columns, and
every Description of Heavy Castings,

INGOT MOULDS.

from a crop of seed like that of 1900 (20,000,000 bushels) is about 50,000,000 gallons; the quantity of oil cake or oil cake meal from such a crop would be about 760,000,000 pounds. As is well known, the linseed oil manufactured in the United States practically all enters into home consumption, the average annual exports not exceeding 100,000 gallons. The greater part of the oil cake and of the oil cake meal, on the other hand, is exported, the exports of this product in the fiscal year ended June 30, 1901, having been 455,154,866 pounds, which may be accepted as approximately representing the exports of the oil cake and meal made out of the 1900 crop. The principal customers for linseed oil cake and meal are Germany and the United Kingdom, Germany in the fiscal year ended June 30, 1900, taking about 33 per cent, and

the United Kingdom 28 per cent. of our total exports.

The growing importance of Denmark as a purchaser of this valuable cattle food is attracting great attention. From being a customer for less than 8 per cent. of our total exports in 1895, her takings have steadily increased until in the fiscal year ended June 30, 1900, almost 23 per cent. of the total United States exports were consigned to her. The increase in the use of oil cake by the Danish people is attributable to the remarkable development of the dairy industry of that country. From the foregoing it is apparent that in the fiscal year 1899-1900 about 84 per cent. of the exports of oil cake and meal from the United States were directed to three European countries—Germany, the United Kingdom and Denmark. The only other European

customers for this product were, in the order of their importance as purchasers, Holland, Belgium and France, and these countries absorb almost the entire remainder of the United States shipments. Exports to other countries constitute a comparatively negligible quantity.

HAULING LOGS BY STEAM.

For several months past an interesting experiment has been going on in the Maine woods, and one which promises to be a great innovation in the lumbering districts. It is the hauling the logs from the "yards" to the "landing" by a steam engine of unique and wonderful design.

The machine, says the Paper Trade

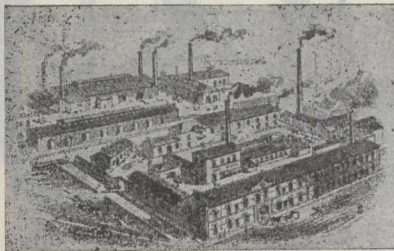
Telegrams, "SHIPMAN, SHEFFIELD."

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, WINING STEEL, &C.

Special Prices to Canadian
under the New Tariff.

Journal, is the production of A. O. Lombard, who has been assisted by his brother, Samuel Lombard, both of whom are now in the woods with the machine and closely watching its workings. The machine consists of a

regular locomotive shaped boiler, mounted on four driving wheels, with the old form of "inside connections" from the driving axles to the cylinders but instead of the forward, or "pony trucks," it has a sled of the ordinary

type used in the woods. Over the rear of the boiler is the regulation "cab," as on a locomotive. This is for the protection of the engineer from the inclemencies of the weather.

The peculiar feature of the machine is the system of driving the machine over the roads. Outside the driving wheels, which have gear teeth cut in them, is an endless chain, made of heavy plates of cast steel. These plates also have gear teeth cut in the side of them that run on the driving wheels. On the outside of these plates are projections which prevent them from slipping as the wheels turn them around and to give a better hold on the road-bed over which they run. The engine which propels the machine is of great power, and the machine can very easily haul more of a load than forty horses can move.

This machine is coupled to four or five sleds loaded as heavy as they can be with logs and hauls them to the "landings," returning empty. The machine has been busy every day since last fall and has worked to the entire satisfaction of its inventors. Not only has the machine been used to haul the logs, but after each of the snow storms during the winter it has been attached to a huge snow plough and has been run to clear the roads for the teams which are working here, too.

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.)	HANS 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. Works, - MANCHESTER, Eng.	Honest Value for Money.

The Cherry Tree Machine Co.,

LIMITED

MAKERS OF HIGH-CLASS MODERN

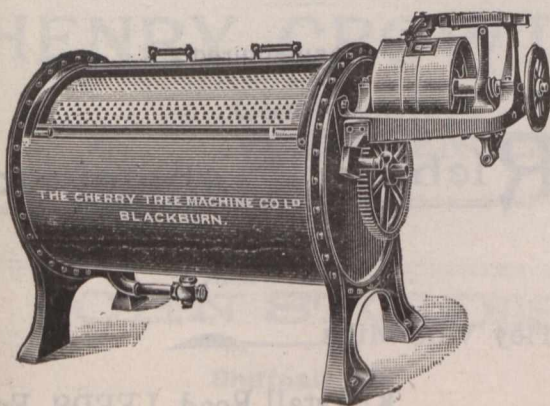
Laundry • Machinery,

Rotary Washing Machines; Metal and Wood Shirt and Collar Ironing Machines.

Drying Closets and Drying Rooms on Hot-Blast System.

IT WILL PAY YOU GET OUR PRICES.

CHERRY TREE, near Blackburn, Eng.



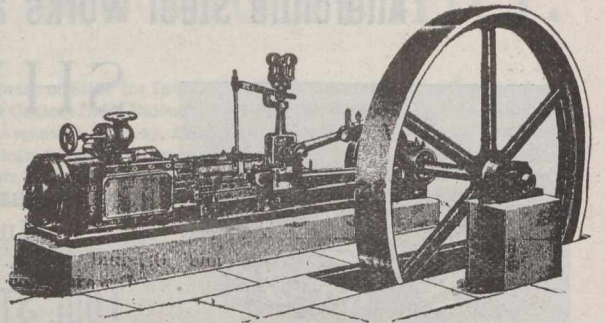
T. & R. LEES, Hollinwood, Nr. Manchester, ENGLAND.

ENGINEERS

Improved Horizontal Steam Engines (Class J.)

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

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



PLEASE INDENT THROUGH MERCHANTS

Telegrams : "LEES, HOLLINWOOD."

Special estimates to Canadians under the new Preferential Tariff

It is necessary to have a pair of horses attached to the machine to steer it, as the steering gear has not yet been perfected, so as to obviate that necessity. One pair of small horses, driven by a boy, does this work. They have no hauling to do, and simply have to keep out of the way of the engine, except when it is necessary for them to make a turn, which is not often. An engineer and fireman run the machine, and they, with the boy to drive the horses, are all the crew necessary.

The results of the working of the engine have been so entirely satisfactory that a number of these machines will be added for next winter, and horses will be done away with, very largely, by one of the largest operators in the State. The machine works equally as well on the ground as it does on snow, and on rough roads in the woods it has demonstrated its value.

PATENT REPORT.

The following complete weekly list of patents granted to Canadians is

furnished by Messrs. Fetherstonhaugh & Co., Patent Solicitors, Canada Life Building: Canadian patents: C. Schallberger, wood preservative compounds; A. H. & C. R. Cook and H. W. Wood, fence posts; Eli Rioux, non-refillable bottles; P. A. Vansickle and Mr. J. Miller, disc plows; S. Wilkinson, gang plows; R. H. Casswell, strainers; J. Rousseau, combination locks; E. A. LeSueur, method of treating large masses of native copper; J. Lawson, carpet stretchers; J. Heard, bottle stoppers; R. M. Watson, boiler cleaners; A. Mitchell, combination churns; and clothes washer; A. Landry, stoves; E. C. Crompton and W. G. Killmaster, measuring machines. American patents; A. Broodsky, indurating plaster of paris; W. C. Buck, eccentric chain lift pump; A. A. Dickson, disintegrating machine; G. F. Harvey and E. A. Werner, press for baling cotton or analogous materials; W. T. Jones, wood turning machines; W. Maloney, grain threshing mechanism; J. L. Kieffer, tension mechanism for sewing machines; J. K. Reid, spike drawing tool;

F. H. Sleeper, engine; P. J. M. Waslyng, combined lifting jack and track-aligning jack.

Owen N. Evans, solicitor of patents, and expert, Temple building, reports

Telegraphic Address: "SPIRITS, DUNDEE."



The Highest Point of Perfection



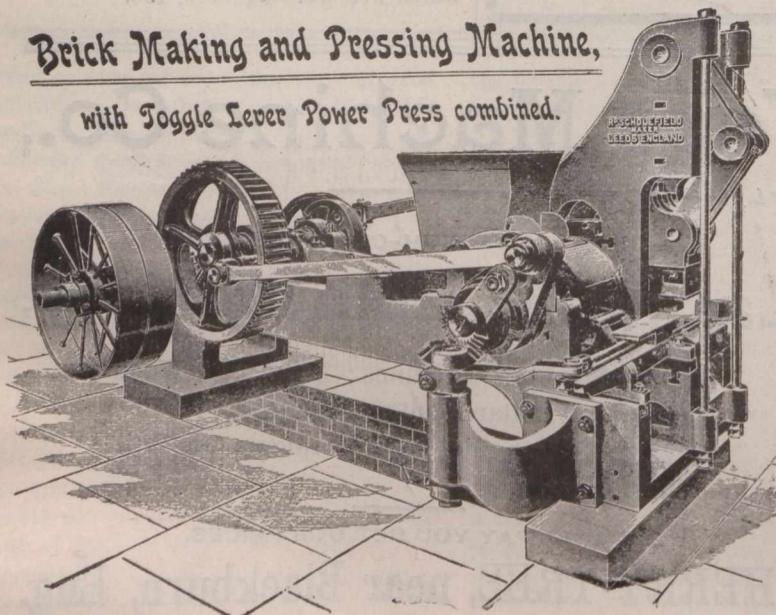
GEORGE MORTON LTD DUNDEE SCOTLAND

WHOLESALE WHISKY 24 to 31 Dock St. and MERCHANTS Dis- 26 to 39 North Lindsay St TILERS & BLENDERS

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

Brick Making and Pressing Machine,

with Toggle Lever Power Press combined.



Established 1868.

Telegraphic Address: "Brick, Leeds."

Brick-making & Grinding Machinery

Manufactured by

Richard Scholefield,

ENGINEER

Burley Vale Mills

Kirkstall Road, LEEDS, Eng.

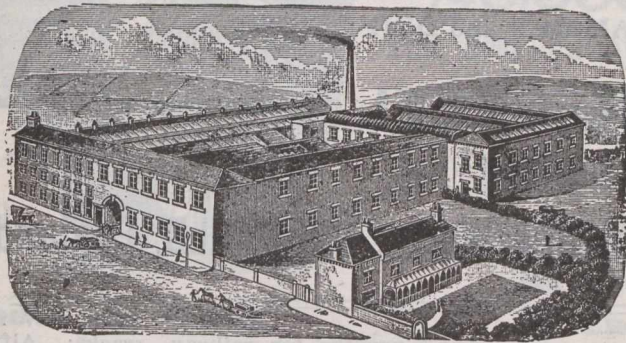
Telegraphic Address: "PURIFIER, BATLEY."

ESTABLISHED 1865

JOHN ILLINGWORTH & SONS,

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

BATLEY, ENGLAND.



RIDINGS MILLS.

Patentees and Sole Makers of the
CELEBRATED PURIFIED

Flocks and Wools,

Large Stocks of all Descriptions of

Drummed Wools & Ruggings

Manufacturers of
all kinds of . . .

FOR COLLAR MAKERS
AND BROWN SADDLERS.

HORSE CLOTHING

FOR HOME AND EXPORT

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

BEST MAKE.

SUPERIOR CUT.

LOWEST PRICES.

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

NONE BUT THE TRADE SUPPLIED.

PRICES ON APPLICATION.

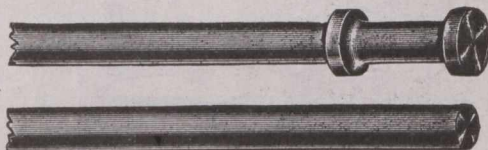
Wrot.-Iron Pulleys.

Bright Steel Shafting.

Lists sent Post Free
on Application.

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

Telephone
43.



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

Special Terms to Canadians under the New Tariff.

the following United States and Canadian patents granted to Canadians last week: United States: Soldering machine, James M. K. Letson et al; fruit grading machine, Andrew H. Petit; life preserver, Honore Prevost et al; process of treating copper-nickel sulphide ores, P. D. Shuler; lawn mower, Chas. D. Spates. Canada: Molds for making concrete sewer and culvert pipes, M. J. Devitt; humidors for cigars and tobacco boxes, Emil C. Boeckh; sulky or riding plow, A. A. Casselman; breast strap protectors, George Grouse et al; bunches for use in harvesting peas, clover, etc., J. L. George; sidewalk and table scrapers, Jerome C. Dietrich; pens for feeding swine, J. Bucks; non-refillable bottles, E. & G. E. Drome; games, G. J. Kelly; game apparatus, J. McL. Sutherland.

Following is a list of patents recently granted by the U.S. Government, through the agency of Messrs. Marion & Marion, patent attorneys, New York Life Building, Montreal, and Washington, D.C. Information regarding any of the patents cited will be given free of charge by applying to the above-named firm: Victor Berford, Tara, Ont., weed cutting and ballast dressing ap-

JOHN STONES,

Shiffnall Mill,

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

BOLTON, Eng.

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

AUSTIN & DODSON LIMITED,

MANUFACTURERS OF

Special Tool Steel for High Speeds,

Best Warranted CAST STEEL for Tools of all kinds.

DOUBLE SHEAR, BLISTER, HAMMER and DRIFT Steels.

MINING TOOL STEEL.

Best CRUCIBLE Cast Steel FILES.

Cambria Works, SHEFFIELD, England.

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.

paratus for railway tracks; Alfred Guay, Maxville, Ont., extensible bed spring; William Maloney, Winnipeg, Man., grain harvester; Peter J. M. Waslyng, Savanne, Ont., combined lifting and track-aligning jack; Joseph Louis Kieffer, Montreal, Que., take-up mechanism for shoe sewing machine; Joseph Louis Kieffer, Montreal, Que., tension mechanism for shoe sewing machine.

PENNSYLVANIA PIPE LINES.

Pipe lines now run from McKean and other North-western Pennsylvania counties, says the Oil Reporter, through Lycoming, Sullivan, Bradford, Wyoming, Columbia, Lackawanna, Luzerne, Carbon, Lehigh, Northampton, Bucks, and Montgomery counties to Philadelphia and Marcus Hook. The United States Pipe Line carries both refined and crude oil and is the only company that carries the latter product.

John Smith,

CRANE WORKS,

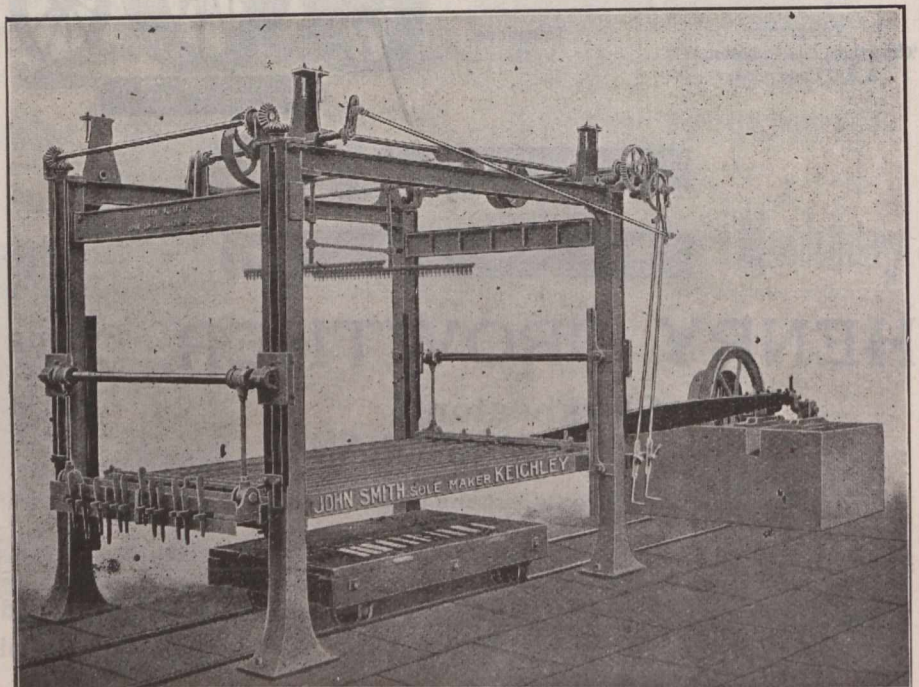
KEIGHLEY, Yorks,

ENGLAND.

SPECIALITIESSTONE SAW FRAMES
And DERRICK CRANES.

Nat. Telephone, 29 Keighley.

Telegraphic Address: "CRANES, KEIGHLEY."

Special prices to Canadians under
the New Tariff.

Considerably over 300 Saw Frames at work.

'RODGERS' PULLEYS'

(REGISTERED.)

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.

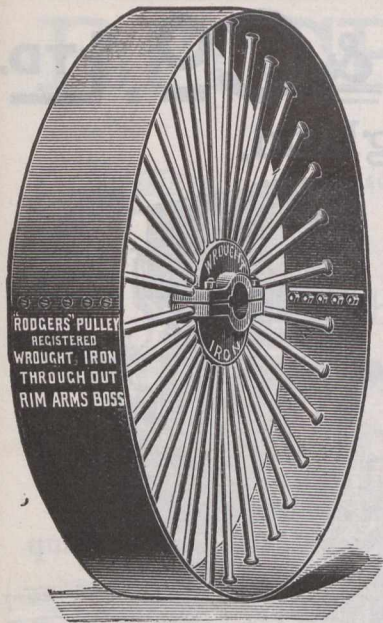
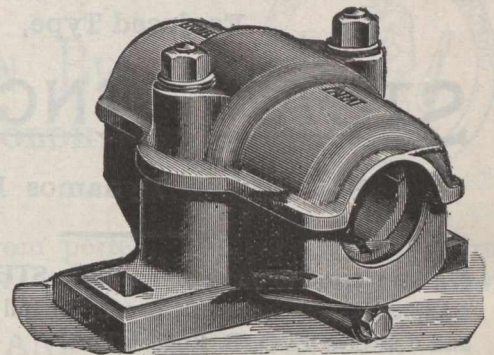
The Best Pulley in the World.

Pamphlets, Drawings and Prices Forwarded on application.

The "NON-DRIP" Shaft Bearing.

(ETCHELL'S PATENT.)

Self Swivelling. Self Lubricating. No Drip Cups Required.



SEND FOR PRICES.

SOLE MAKERS:

HUDSWELL, CLARKE & CO., Ltd.

RAILWAY FOUNDRY.

(Telegraphic Address: "LOCO," Leeds.)

LEEDS, ENGLAND.

Remarkable feats of engineering are performed by linemen in laying pipes across rivers and creeks by means of pontoons, and up and down the steepest mountain sides. Recently a line was carried to Rock Ledge Station, 2,800 feet above sea level, over a circuitous route of eight miles around the mountain; the distance from the top to the base of the latter is 800 feet. Another line was laid to Bear Creek, one of the highest points in the Blue Mountains.

Pumpmen are not only obliged to be skilled engineers, but must be proficient telegraph operators, as well. The pipe line companies have a telegraph system of their own. It connects the oil wells with the station at tide water,

A RELIABLE & PRACTICALLY UNBREAKABLE FRAME

NO MORE BROKEN FRAMES.
Breakages of Frames and Forks mostly result from defective Brazing and the burning of Tubes.
 We DO NOT HEAT the Tubes; each joint is made and tested separately.
 The joints are perfect, reliable, immovable, and always visible.
Strength, Lightness, Rigidity.
 Enamelled inside as well as outside to prevent rust.
 SEND FOR OUR CIRCULAR.

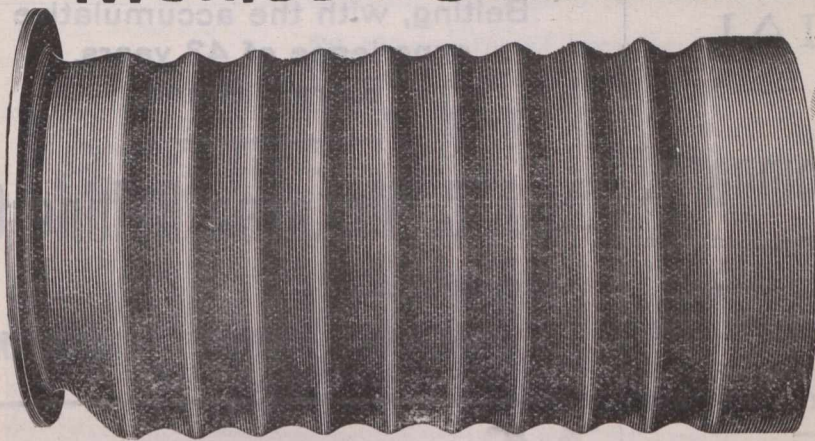
TELEGRAPHIC ADDRESS: EFFECTIVE, MANCHESTER

HYDRAULIC CYCLE FRAME

THE BIRTWISLE HYDRAULIC JOINTING SYNDICATE LTD
 WORSLEY'S, HULME, MANCHESTER.

TRADE MARK B.H.J. REGISTERED

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 corrugated types of furnace.

BROWETT LINDLEY & CO. LTD.

Patricroft, Manchester England.

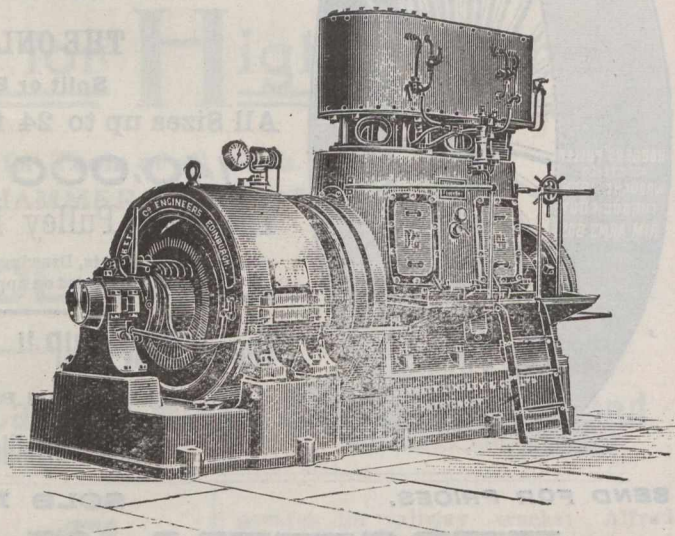
Manufacturers of High-Speed,
Enclosed Type,

STEAM ENGINES.

For Driving Dynamos Direct.

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

SOUND & RELIABLE BRITISH MANUFACTURE.



AGENCY WANTED.

To Pork Packers & Lard Refiners

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

LEE & NIGHTINGALE,
LIVERPOOL, Eng.

and is as perfect in its operation as talent and capital can make it. Its messages are as sacredly safeguarded by the operators as messages sent out in time of war. By this service the

oil barons can learn quickly the number of millions of gallons of oil that can be promptly placed on the market to bring about either a decline or rise in prices.

The pumpman must know the exact quantity of oil that is passing between two stations. From north to south he telegraphs the amount of oil his register shows. If the registers do not tally it is proof that the oil is not finding its way through the pipes as it should. The shortage is caused either by a leak or by an obstruction in the interior of the pipe. Here the mechanical genius of the lineman asserts itself. A novel device, known as the "go-devil," is inserted into the pipe. It moves through the pipe at the same speed as the oil, both being propelled by the pressure transmitted from the pumps. As the "go-devil" can only be located by its clicking noise while in

motion, it must be followed up and down hills by relays of men. If its clicking ceases, it is proof that some obstacle has been encountered. In this way the linemen can determine the exact spot at which repairs must be made to enable the oil to resume its normal flow.

PATENTS IN FRANCE.

New patent regulations went into effect in France on January 1. In order that a patent may be obtained in France, the three following conditions are necessary: That the invention be absolutely new; that it possess an industrial character; that it be not contrary to public order and security, good morals or the laws of the country. An invention is not considered new when, previous to the date of filing of ap-

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

THE IMPERIAL "S. C."

Acetylene Gas Company,
LIMITED.

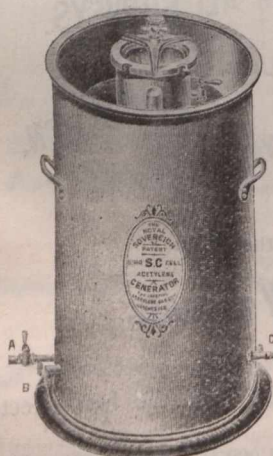
30 St. Ann Street,
MANCHESTER, Eng.

Telegraphic Address:
"ACETYLENE, MANCHESTER."

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

THE

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



Our Oak Leather is Tanned and Curried
in the good old way and made into
Belting, with the accumulative
experience of 43 years.
"Extra" Brand.

The J. C. McLaren Belting Co.

FACTORY: —
MONTREAL. TORONTO. VANCOUVER.

Manganese

LUMP, FINE and GROUND.

EVERITT & CO.,

40 Chapel Street, Liverpool, England.

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.

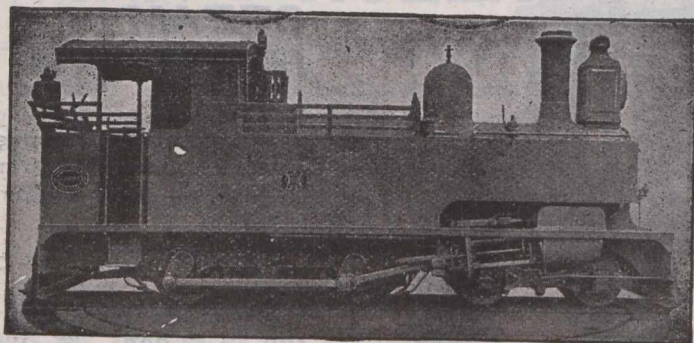
Samples and prices free on application.

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.

plication, it has received sufficient publicity in France or abroad to render it easy of imitation. Patents are not guaranteed by the Government. The cost of a patent is \$96.50 for five years, \$193 for ten years, and \$289.50 for fifteen years. In this connection the courts have rendered a decision that under the law of 1844, the person who has obtained a patent must work his invention in France within two years after patent is obtained or he loses his rights. The court holds that the working must be real and that publicity due to the cession of the patent to another party is not sufficient.

ALCOHOL VS. PETROLEUM.

In France there is just now a strong movement in favor of alcohol lamps, alcohol stoves, and alcohol motors, which

Tel. Address, “Abbey,” Accrington.

Established over 50 years.

James Walmsley & Sons,

Accrington, Eng.

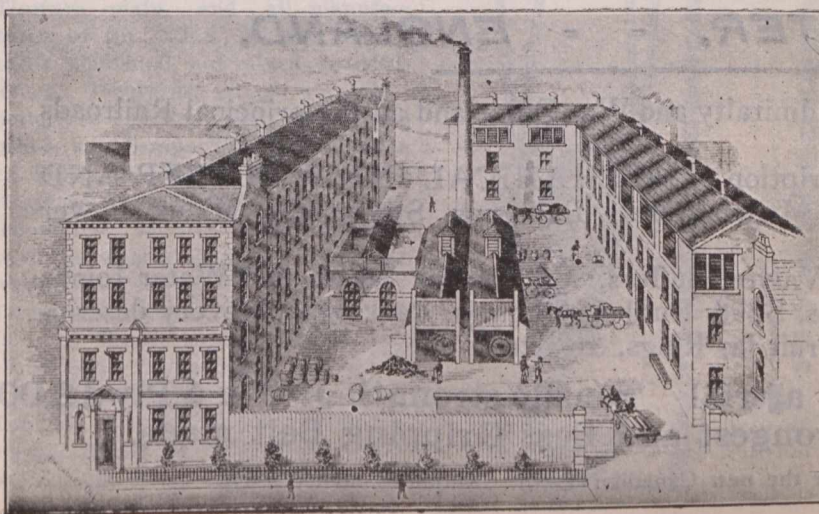
**Leather Curriers,
Strapping Manufacturers
and Mill Furnishers.**

SPECIALTIES:

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.

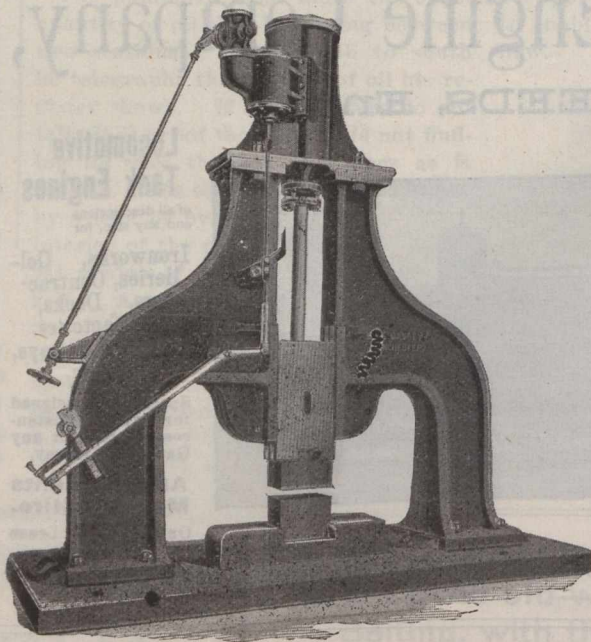
has been fostered and developed by President Loubet and the present cabinet. Indeed, the president's hobby is the substitution of French alcohol coal oil. In Paris the city tax on alcohol has been removed so that alcohol which formerly sold at 12 cents a quart now retails at 8 cents. Such encouragement has been given to inventors of alcohol lamps, stoves and motors that some really remarkable results have been attained.

An ordinary oil lamp may be changed at a trifling expense so that it will burn alcohol, and the inexpensiveness of the change has had a great deal to do with the popular favor accorded alcohol as an illuminant. The reduction in the price of alcohol has led to a big drop in the price of petroleum. At the beginning of last year petroleum sold for 12 cents a quart. Six months ago it fell to 11 cents, and it is now down to 10 cents. It is still, however, 2 cents dearer than alcohol, and a lamp that burns a quart of petroleum in three hours if readjusted for alcohol burns only a quart of the latter in the same time.

The alcohol motor automobile is also coming into high favor, and doubtless soon will supplant the petroleum motor. The merchants are appealing to the patriotism of the French people to

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.

Geo. Cradock & Co.

STEEL WORKS, ROLLING and WIRE DRAWING MILLS,
.....AND.....

WIRE ROPE WORKS

Makers
of

Wakefield, England.

WIRE ROPES FOR ALL PURPOSES

(From Wire and Steel of their own manufacture)

And

HIGH CLASS MINING STEEL.

BRANCHES:

LONDON—7 East India Avenue, E.C.

JOHANNESBURG. S. A. — Bettelheims Buildings,
Simmonds Street.

SYDNEY, N.S.W.—Vickery's Chambers, Pitt Street.

Registered



Trade Mark.

TELEGRAMS: CRADOCK WAKEFIELD.

A.B.C. & ENGINEERING CODES USED.

AGENTS FOR CANADA

WINN & HOLLAND, = Montreal.

burn their national production—alcohol—and the eminent writers are using their talent in the same direction.

cigarettes to include the weight of the paper covering, \$3 per lb. and 25 p.c.; Tobacco, cut, 55 cents per lb.;

Tobacco, snuff, 50 cents per lb.; Tobacco, manufactured, other, 50 cents per lb.; Tobacco, unmanufactured

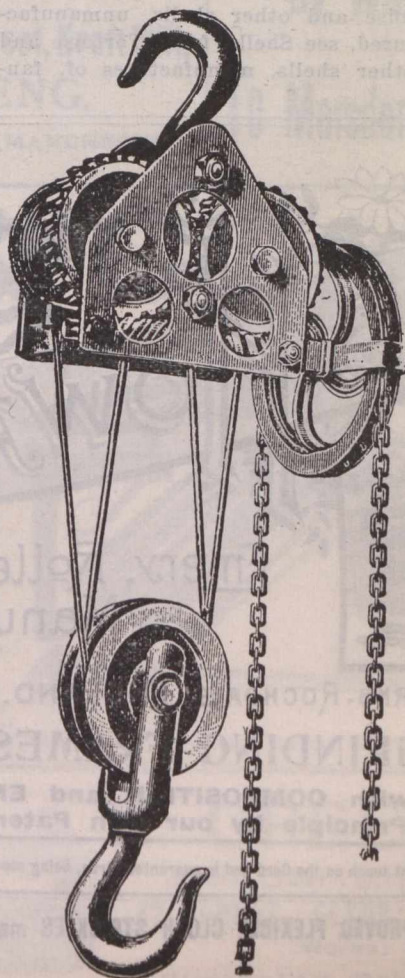
CANADIAN CUSTOMS TARIFF.

The initials N. E. S. represent and have the meaning of the words "not elsewhere specified."

The initials N. O. P. represent and have the meaning of the words "not otherwise provided for."

(Continued from Page 1881.)

Tin-foil, free; Tin sheets, decorated, 25 p.c.; Tin strip, waste, free; Tinned iron spoons, 30 p.c.; Tin whisk holders, lacquered, 25 p.c.; Tinsmiths' tools, 30 p.c.; Tinware, lithographed, 25 p.c.; Tinware, japanned, 25 p.c.; Tinware, stamped, 25 p.c.; Tinware, plain, and all manufactures of tin, N.E.S., 25 p.c.; Tinctures, medicinal, not mixed, see Medicines; Tinctures, mixed, etc., alcoholic, see Spirits; Tips, lava and other, see Lamps; Tippetts, fur, 30 p.c.; Tires, locomotive, of steel, in the rough, see Locomotive, &c., free; Tires, locomotive, of steel when finished, parts of wheels, 30 p.c.; Tires, car wheels of steel, in the rough, free; Tires, car wheels, of steel, finished, 30 p.c.; Tissue paper, plain coloured, 25 p.c.; Tissue paper, N.E.S., 35 p.c.; Toasting forks, iron, 30 p.c.; Tobacco, cutters, 30 p.c.; Tobacco, cigars, \$3 per lb. and 25 p.c.; Tobacco, cigarettes, the weight of the



Lifting Tackle

FOR ALL PURPOSES.

Cranes, Sheave Blocks,
Crabs, Pulley Blocks.

The Steel Rope
Pulley - Block Co.,
LIMITED,

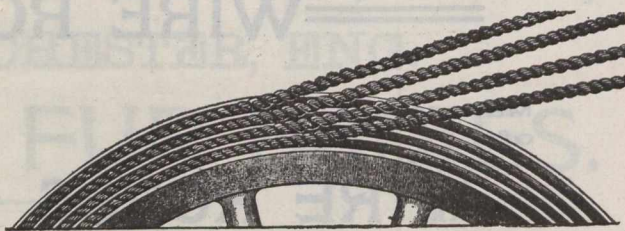
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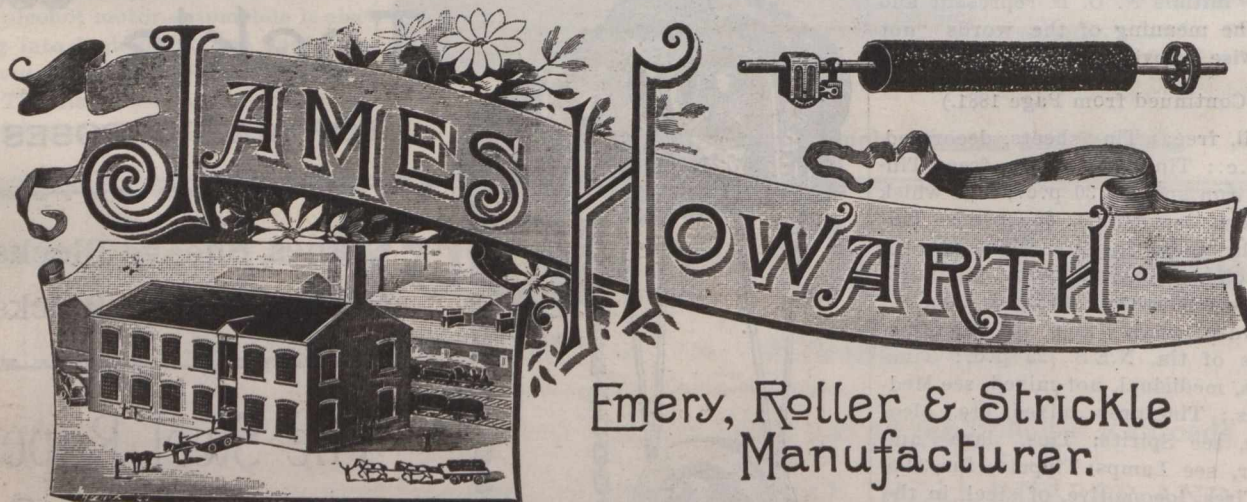
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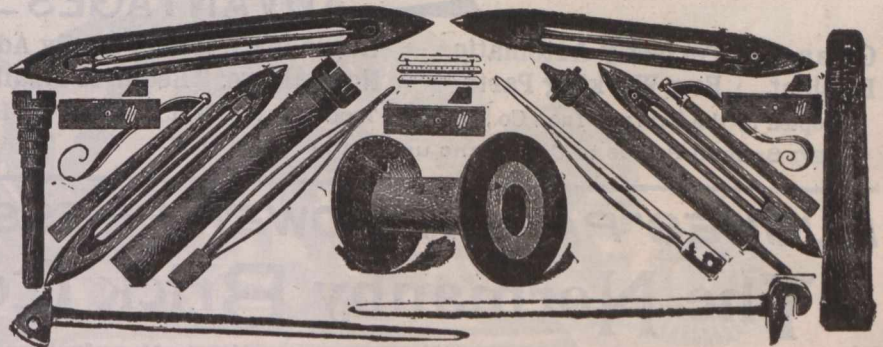
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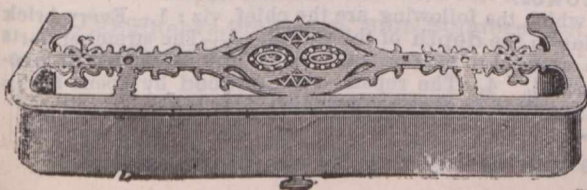
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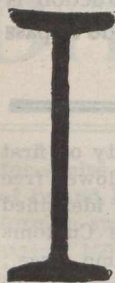
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G 7B	12 x 6	44 lbs.
G 8	12 x 5	39 lbs.
G 9	10 x 8	70 lbs.
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G 10A	10 x 5	35 lbs.
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G 19	6 x 5	25 lbs.
G 19A	6 x 4½	20 lbs.
G 20	6 x 3	16 lbs.
G 20A	6 x 3	13 lbs.
G 21	6 x 2	12 lbs.
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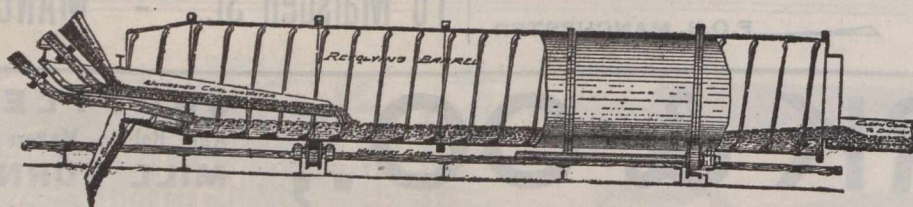
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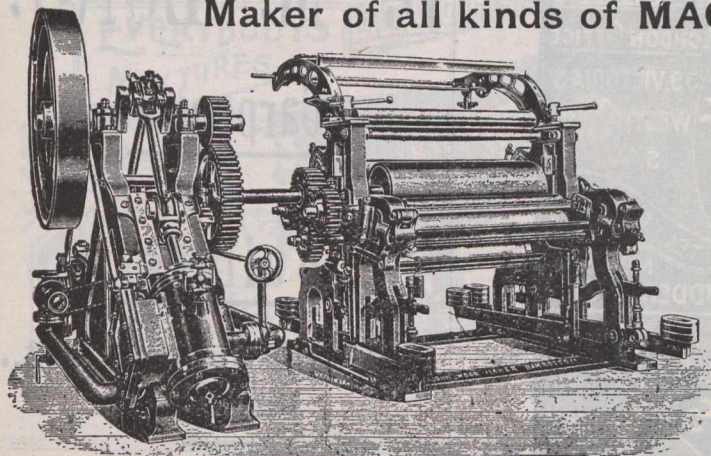
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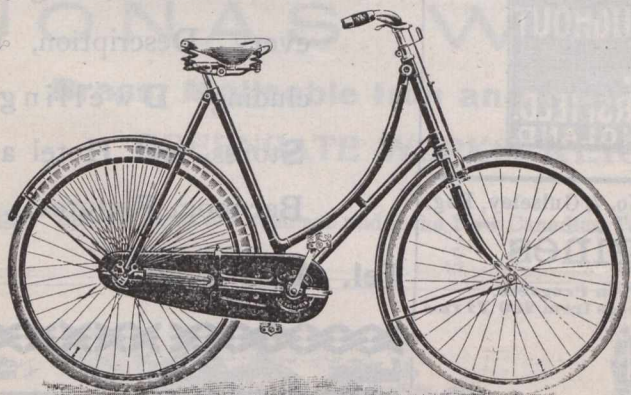
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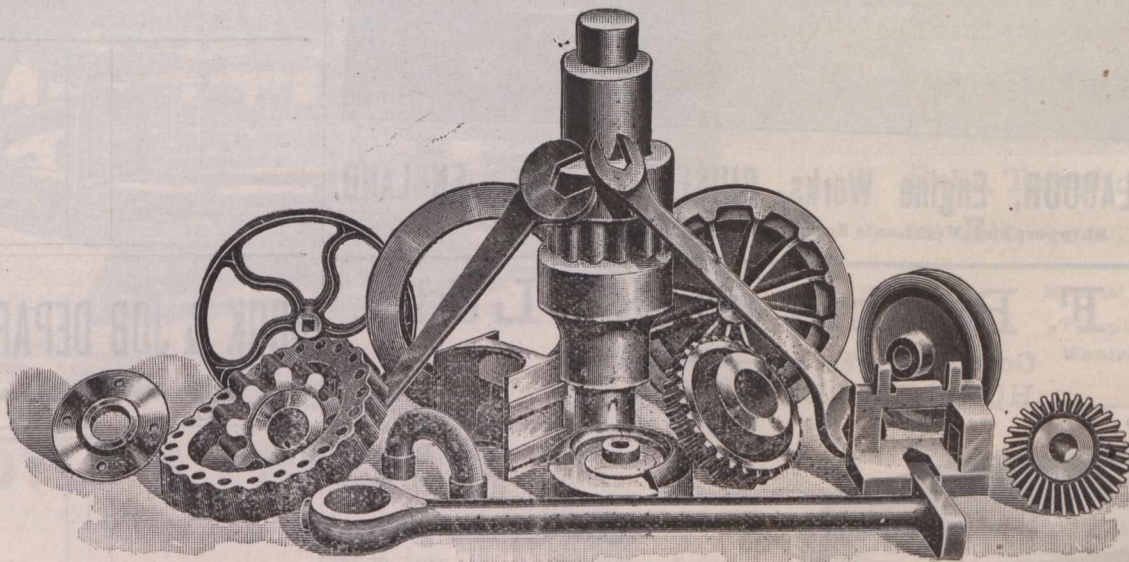
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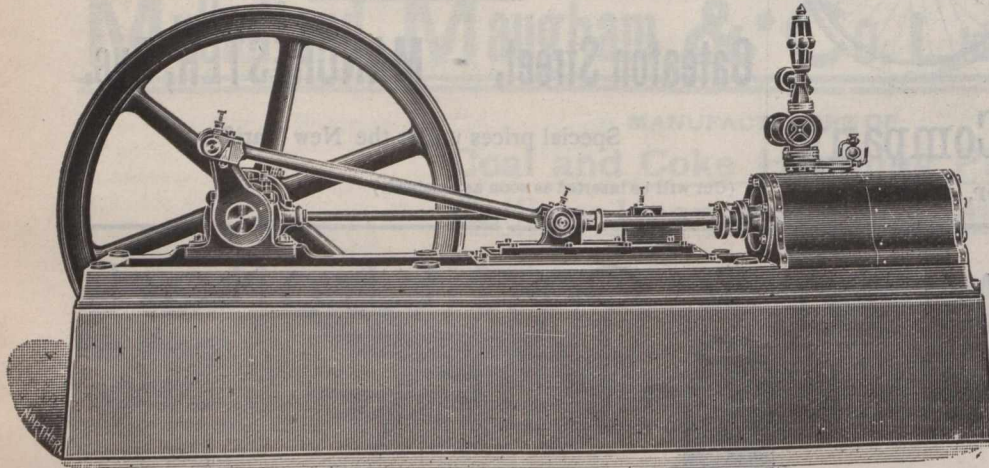
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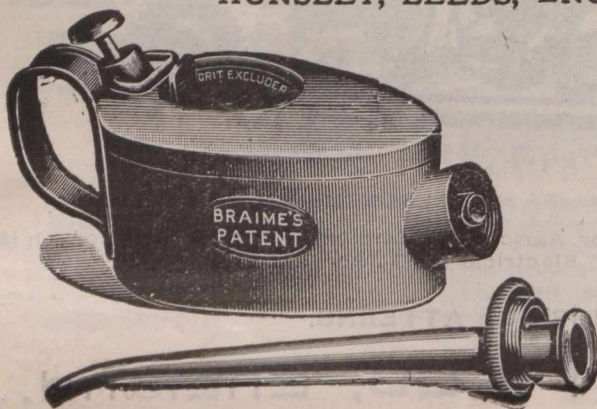
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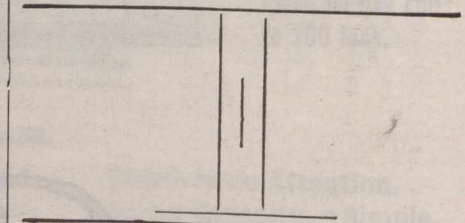
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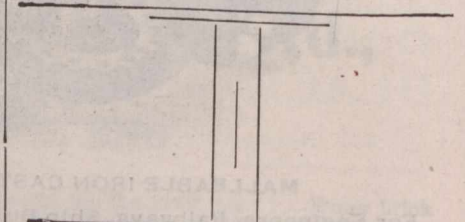
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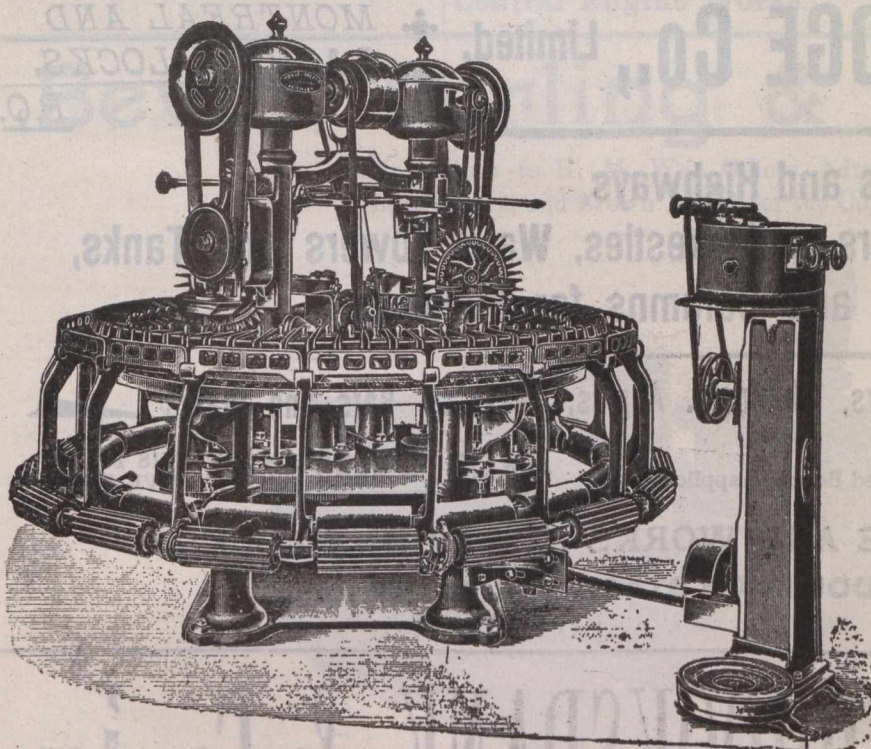
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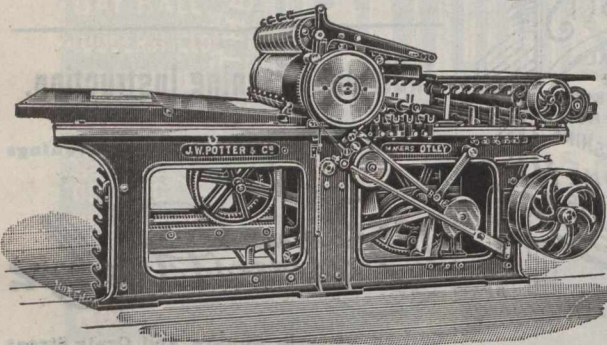
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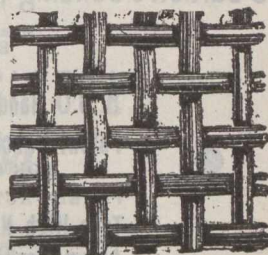
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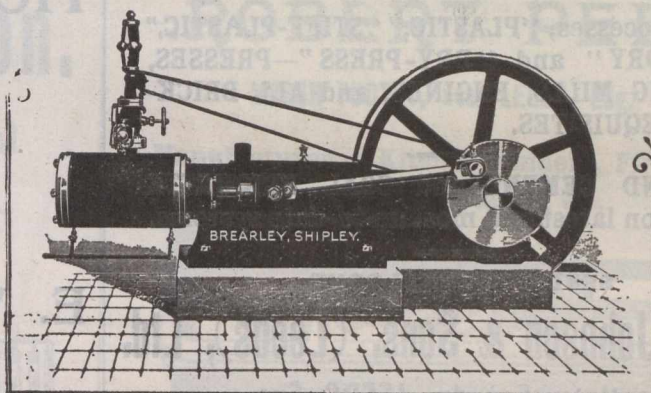
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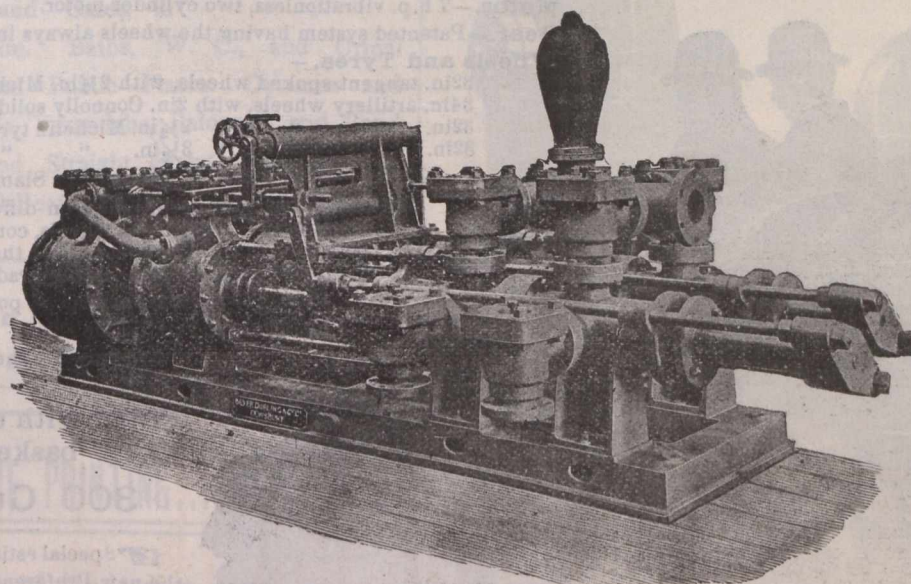
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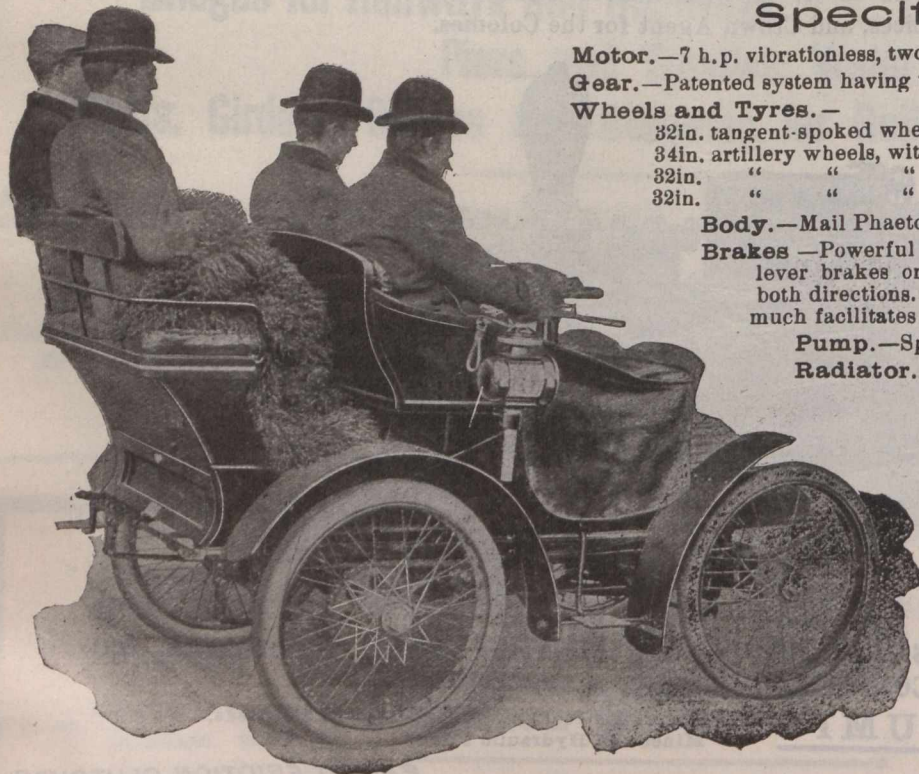
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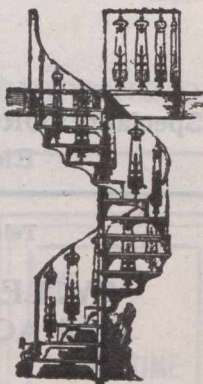
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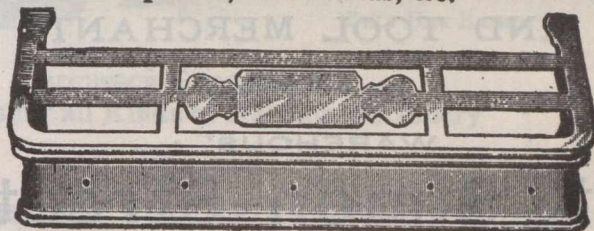
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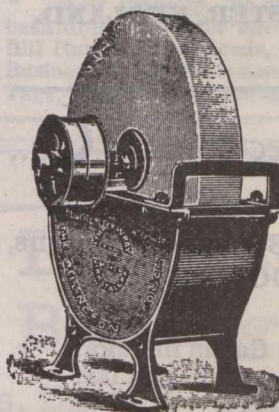
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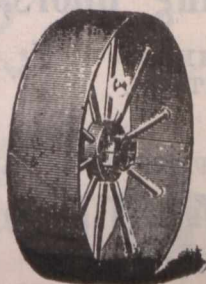


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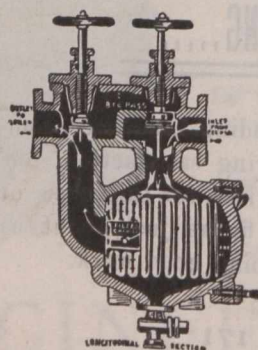
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Manitoba, 1885-6, 5 p.c.	107	109	
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1883, 5 p.c.	107	109	
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Buffalo & Lake Huron \$10 shr.	13½	14	
do 5½ p.c. bonds	137	141	
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Canadian Pacific \$100	117¼	118¼	
Grand Trunk, Georgian Bay, &c. 1st M.	99	101	
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5 p.c. perp. deb. stock.	132	136	
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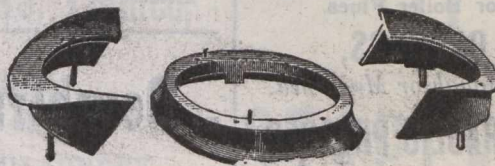
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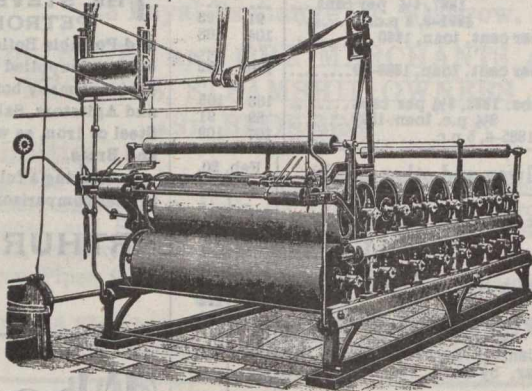
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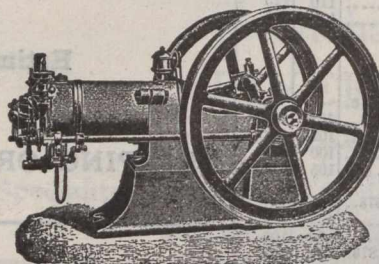
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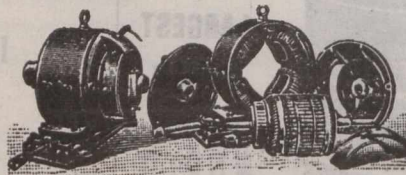
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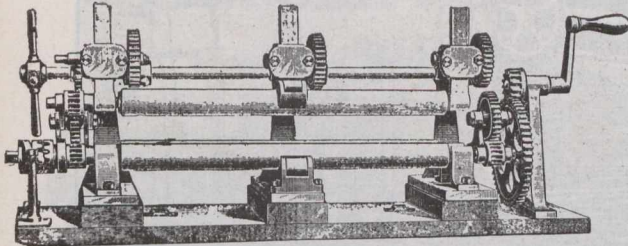
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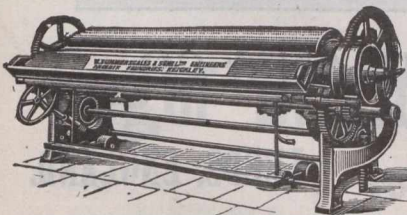
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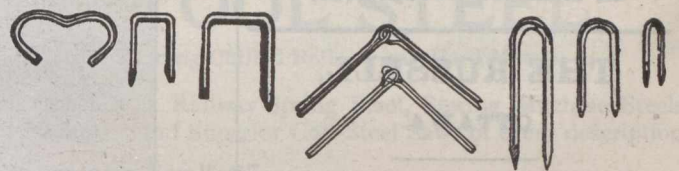
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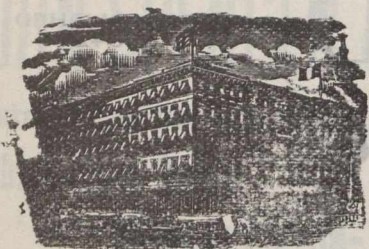
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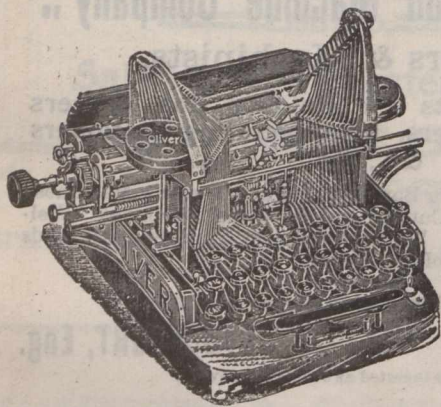
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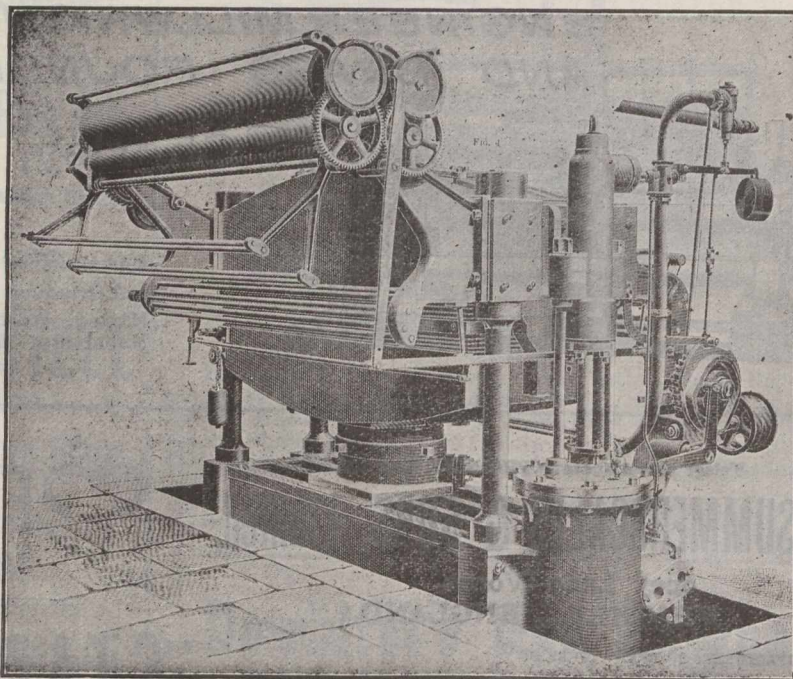
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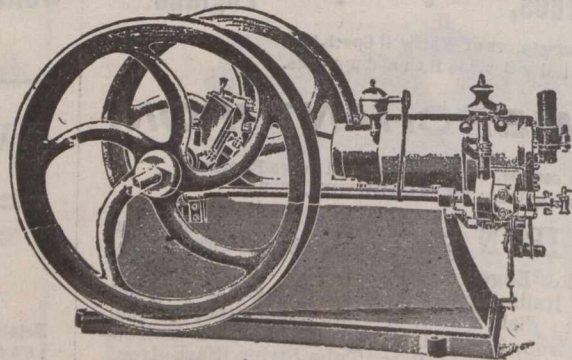
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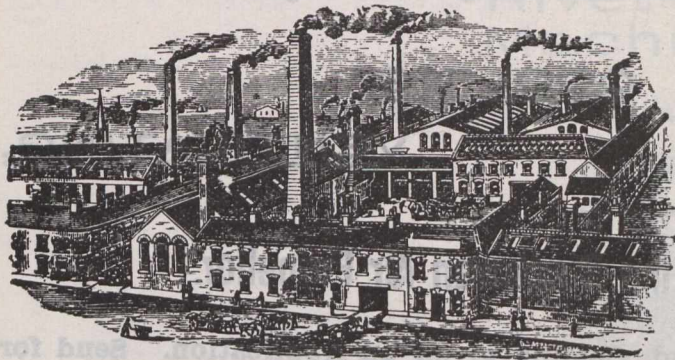


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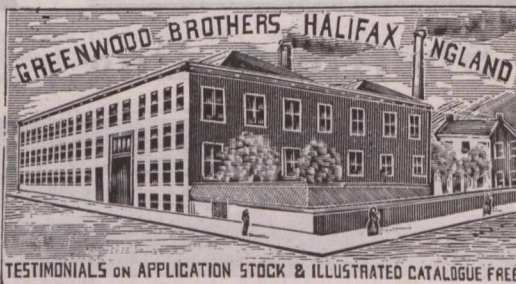
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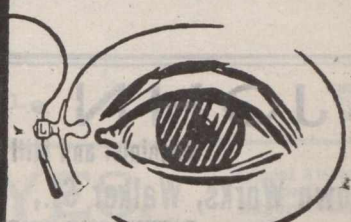
COTTON DRIVING ROPES,

Also Hessians, Oil-Cloth and Waterproof Packing.


Special Prices to Canadians under the New Tariff.



Special prices to Canadians under the New Tariff



A Good Line



Speaking of Printing
"KEYSTONE"
suggests itself at once.

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

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

Customers realize the advantage of the boxes.

Send for figures on your next lot.

Journal of Commerce Job Dept.
171 ST. JAMES ST.

*** BLACKMAN'S ***

Patent Power Ventilating

*** WHEEL. ***

HEATING.

COOLING.

DRYING.

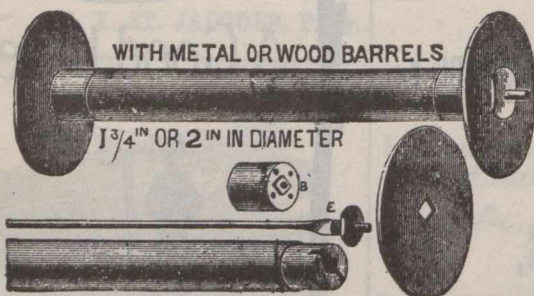
VENTILATING.

14 Highest Awards Given to the Blackman Air Propellor.

ESTIMATES for Ventilation, Drying and Cooling given on Application. Send for Illustrated Circular.

MILLER BROS. & TOMS, - Agents, - MONTREAL

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



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

Garnock, Bibby & Co.,
Limited.



Steel Wire and Hemp
Rope Manufacturers,

LIVERPOOL, - ENGLAND,

Contractors to the Admiralty and
War Office.

DRIVING ROPES.
Special Prices to Canadians under the New Preferential Tariff, 33 1-3 per cent. in favor of Canadian buyers.

ATKINSON BROTHERS, LTD.,

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



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

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

... FOR

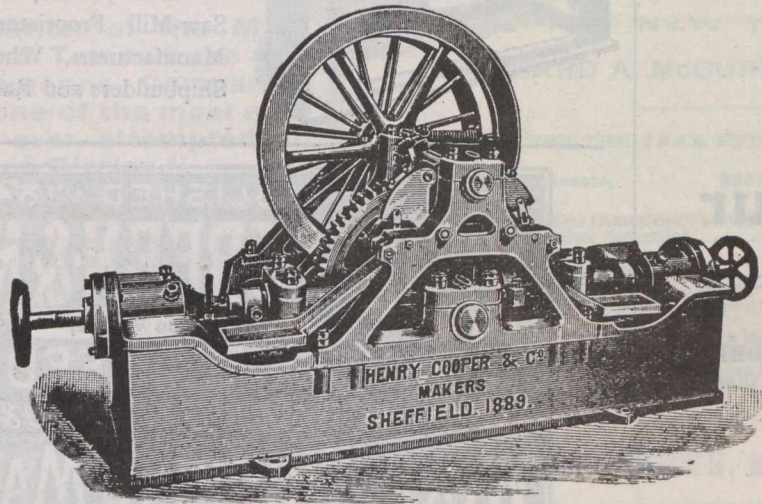
HENRY COOPER & CO.

SHEFFIELD, England.

Makers of . . .

Rivet Making
Machines . . .

As Supplied to the Russian and Japanese Governments.



Particulars and Drawings on Application.

Contractors to the British Admiralty and India Office.

H. Charlton & Co.,

SOUTH SHORE Rd.

Engineers & Anchor Manufacturers,
Gateshead-on-Tyne, - England.

Telegraphic Address: "CHARLTON HAWKS, GATESHEAD."

YOU WANT ANCHORS?

USE ours, which are of great holding power and moderate cost. Used by British Admiralty, Foreign Governments and the Mercantile Marine. Complete outfits of Chains and Anchors supplied: made to Admiralty, Lloyd's or Bureau Veritas inspection.



YOU WANT FANS?

WRITE to us for particulars of the "SIROCCO," which is of high efficiency and moderate cost. Special system of induced and forced draught. If you want more steam from your boilers, or to save coals, write us.

Sole Manufacturers of

... IMPROVED MARTIN'S PATENT ANCHORS ...

For the Improved Martin's Anchor Company, Limited London.

We have orders now in hand for over 300 tons of our Anchors for British Admiralty alone.

Journal of Commerce Job
Department for Printing.

T. J. HAYES,

Special Attention
paid to
Export Orders.

Maker of every description
of



Wire Mattresses.

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

35 Hood Street, Jersey Street, - ANCOATS,
MANCHESTER, ENGLAND.

(Cut will be inserted as soon as made)

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

Rigby, Wainwright & Co.,

Manufacturers, Railway

...And Government Contractors

Engine Waste, Sponge Cloths,
Lamp Wicks, Twines, Ball Cottons,
Engine Packing, Box Cords, Roping
and Seaming Twines, Mops, Dusters,
House Flannel, Neptune Scourer,
Buntings, &c.



NEPTUNE WORKS,

Union Street, Fairfield St., - MANCHESTER, Eng.



RECOGNIZING the value of the Journal of Commerce as an advertising medium—and as a trade winner—we insert this ad. In other words, we want your trade—

YOUR PRINTING.



Watch Your Mail Bag

If it contains MAIL ORDER PRINTING from us—then you'll be satisfied



If it is STATIONERY you want we suggest

"Keystone"

—You can't get anything better for the money.

Write.

By return mail we'll give you an estimate.

Journal of Commerce Job Dept.,
171 St. James St.
MONTREAL.

N.B.—Mention this ad. and we'll make our offer still better.



Telegrams: "Kershaw Brothers, Hebden Bridge."

National Telephone: 1214

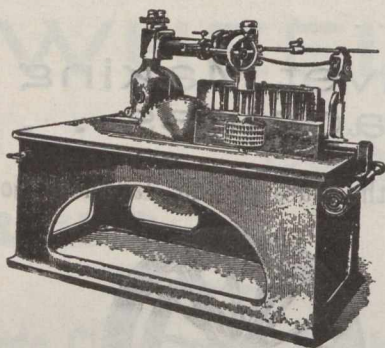
KERSHAW BROTHERS,

SAW-MILL ENGINEERS
and WOOD-WORKING MACHINISTS, Etc.

RAILWAY
IRON WORKS,

Hebden Bridge, via Manchester, Eng.

MAKERS OF HIGH-CLASS



Wood - Working Machinery

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

ESTABLISHED 1846

JOSEPH GREEN & NEPHEW

"Globe Iron Works,"
TELEGRAPHIC ADDRESS: GREEN-NEPHEW LEEDS ENG.
MANUFACTURERS OF ALL KINDS OF HAND & STEAM POWER
WOOD WORKING MACHINERY

TENONING TOOL.
£2.0.0

BORING APPARATUS
£1.5.0.

PRICE £22.10 COMPLETE AS ABOVE

PRICE £ 8.0.0

DRAWINGS & FULL PARTICULARS ON APPLICATION
LIBERAL DISCOUNT TO MERCHANTS & SHIPPERS
ALL MACHINES ARE OF THE BEST MATERIALS HIGH CLASS WORKMANSHIP & FINISH & THOROUGHLY TESTED BEFORE LEAVING THE WORKS

Tel. Address: "HYDRAULIC, LEEDS."

National Telephone: No. 214.

HYDRAULIC MACHINERY

OF EVERY DESCRIPTION.

R. MIDDLETON,

SHEEPSCAR,
LEEDS, Eng.

Hydraulic and General Engineer.

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

London Agent—E. C. AMOS, 20 Bucklersbury, E.C., Eng.

Codes Used—Lieber and A.B.C. 4th Edition.

Not will be inserted as soon as received

Insurance.

The Federal Life ASSURANCE COMPANY.

HEAD OFFICE, HAMILTON, CANADA.

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

MOST DESIRABLE POLICY CONTRACTS.

DAVID DEXTER,
 President and Managing Director.

J. K. McCUTCHEON,
 Sup't. of Agencies.

H. RUSSELL POPHAM, Provincial Manager.

"The amalgamation of the Manufacturers Life and Temperance and General Life Assurance Companies has proved to be one of the most successful ventures ever attempted in Canadian Insurance Circles."

Write for Annual Report for 1901 of

THE MANUFACTURERS LIFE INSURANCE COMPANY

(Formerly The Manufacturers Life and Temperance and General Life Insurance Companies)

Hon. G. W. ROSS, President.
 J. F. JUNKIN, Managing Director.
 Head Office—Toronto.

Insurance.

British * America ASSURANCE COMPANY

HEAD OFFICE, - - - TORONTO,

Incorporated 1833.

FIRE AND MARINE.

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

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

The Mutual Life INSURANCE COMPANY

OF NEW YORK.

RICHARD A. McCURDY, President.

STATEMENT FOR THE YEAR ENDING DECEMBER 31st, 1901

Assets, - \$352,838,971.67

Reserve on Policies (American Table, 4 p.c.)..... \$289,652,388.84
 U.S. Bonds and other Securities 198,063,981.24
 Surplus..... 23,171,709.01
 Receipts from all sources..... 65,024,305.51
 Payments to Policyholders..... 42,452,606.50
 Risks and annuities in force amounting to..... 1,243,508,101.11

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

AGENTS WANTED. Apply to

FAYETTE BROWN, Manager, MONTREAL.

(FOUNDED 1825.)

Law Union & Crown Ins. Co.,

(OF LONDON.)

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

Fire risks accepted on most every description of insurable property.

Canadian Head Office: BEAVER HALL, MONTREAL
 J. E. E. DICKSON, Manager.

Agents Wanted throughout Canada.

Scottish Union and National INSURANCE COMPANY,

Of Edinburgh, Scotland.

ESTABLISHED 1804.

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

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

THE NORTH AMERICAN LIFE ASSURANCE COMPANY.

Head Office: 112-118 King St, West,
 TORONTO, Ont.

The following figures taken from the last financial statement show the unexcelled financial position to which the Company has attained. It has

Assets\$ 4,420,773.38
 Cash Income..... 1,099,396.58
 Net Surplus..... 504,441.37
 Insurance in Force..... 26,243,502.00

L. GOLDMAN, Secretary.
 WM. McCABE, Man. Dir.

Messrs. AULT and McCONKEY,
 Managers for Province of Quebec,
 180 St. James St., Montreal

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

OILS.

The IMPERIAL OIL COMPANY, Ltd.

—REFINERS AND MANUFACTURERS OF—

CANADIAN PETROLEUM PRODUCTS,

Under New Patent Process

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

Refineries: SARNIA and PETROLIA, Ont.

Branches:

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

—SELLING AGENTS FOR PROVINCE OF ONTARIO—

The QUEEN CITY OIL COMPANY, Limited,

Head Office: TORONTO, Ont.

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

NEW YORK LIFE

INSURANCE COMPANY.

JOHN A. McCALL, President;

Gain in Insurance in force 1901
\$168,000,000

AN UNPARALLELED RECORD.

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

WESTERN CAN. BR., 496 1/4 Main St., Winnipeg, Man.
N. B. BR., 120 Prince William St., St. John, N. B.
TORONTO BRANCH, 6 King St., West, Toronto, Ont.
HALIFAX BR., Barrington and Prince Sts.

G. F. JOHNSTON,

AGENCY DIRECTOR,

Company's Building, MONTREAL

J. DUNCAN DAVISON

Imperial Bdg. 107 St. James Street,
Montreal.

COMMISSIONER

For Following Provinces:

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

LIVERPOOL & LONDON & GLOBE

INSURANCE COMPANY.

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

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

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

Canada Board of Directors:

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

Head Office, Canada Branch:

MONTREAL

THE WATERLOO MUTUAL

Fire Insurance Company.

Established in 1863. Head Office, Waterloo, Ont.

Total Assets, Jan. 1, '02, \$349,734.71.

GEORGE RANDALL, Esq., President; JOHN SEUB,
Esq., Vice President; Frank Haight, Esq., Manager;
John Killer, Esq., Inspector.

UNCONDITIONAL POLICIES

ARE ISSUED
BY THE . . .

CONFEDERATION LIFE ASSOCIATION.

Cash Values,
Extended Insurance,
Paid up Policies,
GUARANTEED.

Full information sent on application.

H. J. JOHNSTON,
Prov. Manager,
174 ST. JAMES ST.,
MONTREAL.

W. C. MACDONALD,
Actuary.

J. K. MACDONALD,
Managing Director.

Head Office, - TORONTO.

LIFE INSURANCE ANNOUNCEMENT.

JANUARY, 1902.

The rapidly increasing business of THE ROYAL-VICTORIA LIFE INSURANCE CO., requiring larger Head Office accommodation, the Company will occupy its new offices on the second floor of the Royal Insurance Building, Place d'Armes Square, on the 1st of May next.

The new business issued in 1901, shows an increase of 33 per cent. over the previous year.

Head Office,
MONTREAL.

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

B. S. & W. WHITELEY

Press
Paper
Manufacturers,

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

WESTERN ASSURANCE COMPANY.

FIRE AND MARINE. Incorporated 1851.

Assets, over \$2,925,000.00
Annual Income, 2,994,000.00

Head Office, - Toronto, Ont.

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

Montreal Branch, - 189 ST. JAMES STREET.

ROBT. BICKERDIKE, Manager.

ROUTH & CHARLTON, City Agents.

THE IMPERIAL INSURANCE COMPANY LIMITED

FIRE.

LONDON.

ESTABLISHED 1808.

SUBSCRIBED CAPITAL, \$5,000,000
PAID-UP CAPITAL, 1,500,000
TOTAL INVESTED FUNDS OVER 8,000,000

Canadian Branch:

COMPANY'S BUILDING, PLACE D'ARMES, MONTREAL.
G. R. KEARLEY, RESIDENT MANAGER.

NATIONAL ASSURANCE COMPANY OF IRELAND.

ESTABLISHED 1822.

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

Canadian Branch:

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

H. M. LAMBERT, MANAGER.

DISTINCTIVE QUALITIES

—OF—

North Star, Crescent
and Pearl Batting.

Purity, Brightness, Loftiness.

No Dead Stock, oily threads nor miserable yellow fillings of short staple. Not even in lowest grades. Three grades—Three prices and far the best for the price.

COMMERCIAL UNION

ASSURANCE CO., Ltd.,

Of London, England.

FIRE LIFE MARINE

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

HEAD OFFICE, Canadian Branch, - MONTREAL
JAMES McNEILL, Manager.