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2489

THE CANADIAN JOURNAL OF COMMERCE

FINANCE AND INSURANCE REVIEW.

Vol. 54. No. 21
NEW SERIES.

MONTREAL, FRIDAY, MAY 23, 1902.

M. S. FOLEY,
EDITOR AND PROPRIETOR

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MONTREAL.

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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.

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Metal Cornices, Skylights, &c.,
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Oils, Chemicals, Dyestuffs,
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Berlin, Germany.

Manufacturers of Aniline, Colors and other Coal Tar Products.

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THE American Tobacco Co.

OF CANADA, Limited,

Are sold by all the Leading Wholesale Houses

CUT TOBACCOOS.

Old Chum,
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Old Gold.

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Athlete, Derby.

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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.,
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**Destructors and
Boiler Furnaces.**

HORSFALL DESTROYER CO.,
Ltd.,

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London Office:

19 Old Queen St., Westminster, S.W., Eng.

Canadians can purchase these furnaces under the new Canadian Tariff, 88½ p. c. cheaper than any other Country.

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AND FURS**

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HIGHEST AWARDS at TWELVE International Expositions.

SPECIAL PRIZE,
GOLD MEDAL,
AT ATLANTA, 1895.

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

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, - - - - - 864,286 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. ELMSLY, Inspector.

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

DRAFTS ON SOUTH AFRICA MAY BE OBTAINED AT THE BANK'S BRANCHES.
Agents in the United States.
New York (52 Wall St.)—W. Lawson and J. C. Welsh, Agents.

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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, - - - - - 2,150,000

BOARD OF DIRECTORS:

Wm. Molson Macpherson, - President.
S. H. Ewing, - - - - - Vice-President.
W. M. Ramsay, Samuel Finley, J. P. Cleghorn,
H. Markland Molson, Lt.-Col. F. C. Henshaw.
JAMES ELLIOT, General Manager.
A. D. Durnford, Chief Inspector and Superintendent of Branches; W. E. 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, Je. "
Chesterville, Ont. Ottawa, " Trenton, "
Clinton, " Owen Sound, " Vancouver, B. C.
Exeter, " Port Arthur, " Victoria, B. C.
Fraserville, Que. Quebec, P.Q., " Victoriaville, Q.
Hamilton, Ont. Revelstoke, " Waterloo, Ont.
Hensall, " Station, B.G. Winnipeg, Man.
Kingsville, " Ridgetown, Ont. Woodstock, Ont.
Knowlton, Que. Simcoe, " "
London, Ont. Smith's Falls, Ont.

AGENTS IN EUROPE:

London—Farr'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.

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

The Chartered Banks.

THE ROYAL BANK OF CANADA.

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

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.
Maitland, 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, - - - - - 418,000
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., Sunderland, Ont., 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.

NOTICE is hereby given that a dividend of Three per cent. for the current half-year, has been declared upon the capital stock of this Institution, and that the same will be paid at the Bank and its Branches, on and after

Monday, the second day of June next.

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

The Annual General Meeting of the Shareholders will be held at the Banking House, in this City, on **TUESDAY, the 17th day of June next.**

The chair will be taken at 12 o'clock noon.

By order of the Board, C. MCGILL,
General Manager.

Toronto, April 17th, 1902.

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.

DIVIDEND No. 92.

NOTICE is hereby given that a DIVIDEND OF FIVE PER CENT. and a BONUS OF ONE PER CENT. for the current half-year, upon the Paid-up Capital of the Bank, has this day been declared, and that the same will be payable at the Bank and its branches on and after Monday, the Second day of June next.

THE TRANSFER BOOKS will be closed from the Seventeenth to the Thirty-first days of May, both days inclusive.

THE ANNUAL GENERAL MEETING OF SHAREHOLDERS will be held at the Banking House of the Institution, on Wednesday the Eighteenth day of June next. The chair to be taken at noon.

By order of the Board,
D. COULSON,
General Manager.

The Bank of Toronto, Toronto, 24 April, 1902.

The Chartered Banks.

The Canadian Bank of Commerce
DIVIDEND No. 70.

NOTICE is hereby given that a DIVIDEND OF THREE AND ONE-HALF PER CENT. upon the Capital Stock of this Institution has been declared for the current half-year, and that the same will be payable at the Bank and its Branches on and after

Monday, the 2nd day of June next.

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

B. E. WALKER,
General Manager.

Toronto, April 22nd, 1902.

The Chartered Banks.

Bank of Hamilton.

NOTICE is hereby given that a dividend of five per cent. on the capital stock of the bank for the half year ending 31st May next, has been declared, the same to be payable at the Bank and its branches on 2nd June next.

The transfer books will be closed from 17th to 1st May, both inclusive.

The Annual General Meeting of Shareholders will be held at the Bank's Head Office, Hamilton, on Monday 16th June, at noon.

By order of the Board,
J. TURNBULL,
General Manager.

Hamilton, 23rd April, 1902.

The Chartered Banks.

BANK OF NOVA SCOTIA.

INCORPORATED 1832.

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

Head Office, - HALIFAX, N.S.

DIRECTORS.

JOHN Y. PAYZANT, - - - President
CHARLES ARCHIBALD, - - - Vice-President
R. L. BORDEN, J. WALTER ALLISON
Geo. S. CAMPBELL, HECTOR MCINNES.

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 AUTHORISED - \$3,000,000

" PAID-UP - 2,500,000

REST - 700,000

DIRECTORS :

JOHN BREAKEY, - - - President.
JOHN T. ROSS, - - - Vice-President.
Gaspard Lemoine, W. A. Marsh, Vesey Boswell,
F. Billingsley, Edson Fitch.

THOMAS McDOUGALL, - - - Gen. Manager.

Branches.

Quebec, St. Peter St. Thorold, Ont.

do Upper Town. Three Rivers, Que.

do St. Roch. Toronto, Ont.

Montreal, St. James St. Shawenigan Falls, Q.

do St. Catherine St. E. St. George, Beauce, Q.

Ottawa, Ont. St. Henry, Que.

Theftford 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, \$600,000

HEAD OFFICE, .. HALIFAX, N.S.

DIRECTORS:

ROBIN UNIACKE, President.

C. W. ANDERSON, Vice-President.

JOHN MACNAB, W. J. G. THOMSON, W. N. WICKWIRE

H. N. WALLACE, Cashier.

A. ALLAN, Inspector.

BRANCHES—Nova Scotia: Halifax, Amherst, Antigonish, Barrington, Bridgewater, Canning, Lockport, Lunenburg, Middleton, New Glasgow, Parraboro, Shelburne, Springhill, Truro, Windsor.

New Brunswick: Sackville, St. John.

CORRESPONDENTS—Dominion of Can.—Molson's Bank and Branches. New York—Fourth National Bank. Boston—Suffolk National Bank London. England—Parr's Bank, Limited.

UNION BANK OF CANADA.

DIVIDEND No. 71.

NOTICE is hereby given that a dividend at the rate of Seven per cent. per annum for the current half year, upon the paid up Capital Stock of this Institution has been declared, and that the same will be payable at the Bank and 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, in this City, on SATURDAY, the Fourteenth of June. The chair will be taken at noon.

By order of the Board

E. E. WEBB,
General Manager.

Quebec, April 22nd, 1902.

The Traders' Bank of Canada.

DIVIDEND No. 33.

NOTICE is hereby given that a Dividend at the rate of SIX PER CENT. per annum upon the paid-up Capital Stock of the Bank has this day been declared for the current half year, and that the same will be payable at the Head Office and its Branches, on and after MONDAY, the 2ND DAY of JUNE next.

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

The Annual General Meeting of the Shareholders will be held in the Banking House in Toronto, on TUESDAY, THE 17TH OF JUNE, the chair to be taken at twelve o'clock noon.

By order of the Board,
H. S. STRATHY,
General Manager.

Toronto, 15th April, 1902.

THE DOMINION BANK

Capital, \$2,500,000 | Reserve Fund, \$2,500,000

DIRECTORS:

E. B. OSLER, M.P., - - - President.

WILMOT D. MATTHEWS, Vice-President.

Wm. Ince, Timothy Eaton, W. R. Brock, M.P.

A. W. Austin, James J. Foy, K.C., M.P.P.

HEAD OFFICE, TORONTO.

Branches. — Brampton, Belleville, Cobourg, Gravenhurst, Guelph, Huntsville, Lindsay, Napance, Oshawa, Orillia, Seaforth, Uxbridge, Whitby, Toronto, Queen St. W. cor. Esther; Dundas St., cor. Queen; Spadina Ave. cor. College St.; Sherbourne St., cor. Queen; Market Branch, cor. King and Jarvis Sts; Montreal, Que.; Stanstead, Que.; Winnipeg, Man.

Drafts on all parts of the United States, Great Britain and the Continent of Europe bought and sold. Letters of Credit issued available in all parts of Europe, China, Japan and the West Indies.

Eastern Townships Bank.

ANNUAL MEETING.

Notice is hereby given that the ANNUAL GENERAL MEETING of the Shareholders of this Bank will be held in their Banking House in the City of Sherbrooke, on

Wednesday, 4th day of June next.

The chair will be taken at 2 o'clock p.m.

By order of the Board,

WM. FARWELL,
General Manager.

Sherbrooke, 4th May, 1902.

BANK OF HOCHELAGA.

NOTICE OF DIVIDEND.

NOTICE is hereby given that a dividend of Three and one-half per cent. (3½ p.c.) for the current half-year, at the rate of seven per cent. (7 per cent.) per annum, has been declared on the paid-up capital of this Institution, and that the same will be payable at its head office in Montreal and at its Branches, on and after

Monday, the 2nd day of June next.

The Transfer Books will be closed from the seventeenth (17th) to the thirty-first (31st) of May next, both days inclusive.

The annual general meeting of the shareholders will be held at the head office of the bank on Monday the sixteenth (16) day of June next. The chair to be taken at noon.

By order of the Board,

M. J. A. PRENDERGAST,
General Manager.

The Bank of Ottawa.

DIVIDEND No. 52.

Notice is hereby given that a dividend of four and one half per cent. upon the paid-up Capital Stock of this Bank, has been declared for the current half year, and that the same will be payable at the Bank and its branches, on and after

Monday, the 2nd day of June, 1902.

The transfer books will be closed from the 17th to the 31st May next, both days inclusive.

By order of the Board,

GEORGE BURN,
General Manager.

Ottawa, 21st April, 1902.

The Chartered Banks.

Imperial Bank of Canada.

DIVIDEND No. 54.

Notice is hereby given that a dividend of five per cent. for the half-year ending 31st May, 1902, upon the Capital Stock of this institution, has this day been declared, and that the same will be payable at this Bank and its Branches on and after Monday, the second day of June next.

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

The Annual General Meeting of the shareholders will be held at the Head Office of the Bank on Wednesday, the 18th June, 1902, the chair to be taken a noon.

By order of the Board,

D. R. WILKIE,
General Manager.

Toronto, 22nd April, 1902.

La Banque Nationale.

HEAD OFFICE, QUEBEC.

Capital Paid-Up, \$1,200,000.00
Reserve, 275,000.00
Undivided Profits, 54,788.91

DIRECTORS:

R. AUDETTE, President.
A. B. Dupuis, Vice-President.
Judge A. Chauveau,
N. Rioux, Naz. Fortier,
V. Chateaubert, J. B. Laliberté.
P. LAFRANCE, Manager. N. LAVOIE, Inspector.

Branches:

Quebec, St. Hyacinthe, Que.,
do (St. Roch), Joliette, Que.,
do (St. Johns St.), St. Johns, P. Q.,
Montreal, Rimouski, Que.,
Ottawa, Ont., Murray Bay, Que.,
Sherbrooke, Que., Montmagny, Que.,
St. Francois, Beauce, Que., Fraserville, Que.,
St. Marie, do St. Casimir, Que.,
Ohioucoum, Que., Nicolet, Que.,
Roberval, Que., Coaticook, Que.,
Bate St. Paul, Que.

Agents—London, Eng.—The National Bank of Scotland, Ltd. Paris, France—Credit Lyonnais, New York—First National Bank. Boston, Mass.—National Bank of Redemption.

Prompt attention given to collections.
Correspondence respectfully solicited.

The Standard Bank of Canada.

DIVIDEND No. 53.

NOTICE is hereby given that a Dividend of five per cent. for the current half-year, upon the paid-up Capital Stock of this Bank, has been declared, and that the same will be payable at its banking house in this City, and at its Agencies, on and after

Monday, the 2nd, Day of June next.

The transfer books will be closed from the 17th to the 31st day of May next, both days inclusive.

The Annual General Meeting of the Shareholders will be held at the Bank, on Wednesday, the 18th day of June next. The chair to be taken at twelve o'clock noon.

By order of the Board,

GEORGE P. REID,
General Manager.

Toronto, 22nd April, 1902.

THE JOURNAL OF COMMERCE
FINANCE AND INSURANCE REVIEW

DEVOTED TO

Commerce, Finance, Insurance, Railways,
Manufacturing, Mining and Joint
Stock Enterprises.

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Editorial and Business Offices:
Nos. 171 and 173 St. James Street,
Head of St. John Street,
MONTREAL.

M. S. FOLEY, Editor, Publisher and Proprietor.

We do not undertake to return unused manuscripts.

The Editor cannot under any circumstances undertake to return unused manuscripts, or enter into any correspondence concerning them.

Ocean Steamships.

DOMINION LINE
Steamships.

LIVERPOOL SERVICE.

From Portland. From Portland.
Colonian, May 24 Norseman, June 14
Irishman, May 31 *Turcoman, June 21
Californian, June 7 Colonian, June 28.....

*These steamers do not carry passengers.

Rates of Passage.

Saloon—\$65.00 and upwards according to steamer and service.
Second Saloon—\$37.50 and upwards according to steamer and service.
Third Class—\$26.00 to Liverpool, London, Londonderry, Belfast, Glasgow, Queenstown.

From Montreal. From Boston.
*Roman, May 31 Commonwealth, May 21.
*Manxman, June 14 Merion, May 28
Dominion, June 21 New England, June 4.....

NEW SERVICE.

BOSTON TO THE MEDITERRANEAN.

Cambroman, May 21. ... Cambroman, July 2.....
Midship saloons, electric light, spacious promenade decks

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General Agents, Montreal.

17 St. Sacrament Street.

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THE Central Canada LOAN AND SAVINGS COMPANY

Corner King and Victoria Streets, Toronto
HON. GEO. A. COX, President.

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The Dominion Savings & Investment Society

MASONIC TEMPLE BUILDING,
London, Canada.

Capital Subscribed, \$1,000,000 00
Total Assets, 31st Dec'r, 1900 2,272,980 88

T. H. PURDOM, Esq., K.C., President.
NATHANIEL MILLS, Manager.

JAMES MURRAY,
of ST. JOHN'S, Newfoundland,

GENERAL * COMMISSION * AGENT.

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Flour and Breadstuffs, Pork, Beef, and General Provisions, Sugar and Molasses, Nova Scotia and P.E.I. produce, Canadian products of all kinds, Tea, Manufactured Goods, Proprietary Articles, Fish, Oil and Newfoundland Products.

Business Founded 1795.

American Bank Note Company.

78 to 86 TRINITY PLACE, NEW YORK.
ENGRAVERS AND PRINTERS OF

Bank Notes, Share Certificates,
Bonds for Governments and Corporations, Drafts, Checks, Bills of Exchange, Postage and Revenue Stamps from Steel Plates.

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



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



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



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



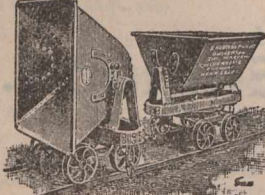
76—Hand Trolley, made to carry any weight or to suit any rail gauge.



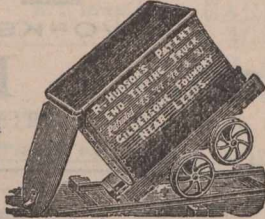
70—R. H.'s Patent Steel Mining Wagon



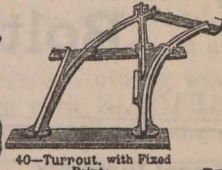
43—R. H.'s Patent Railway, for Delta, Riveta, or Loose Paris. Will last ten times as long as the ordinary kind. Guaranteed strong & satisfactory



50—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 Points



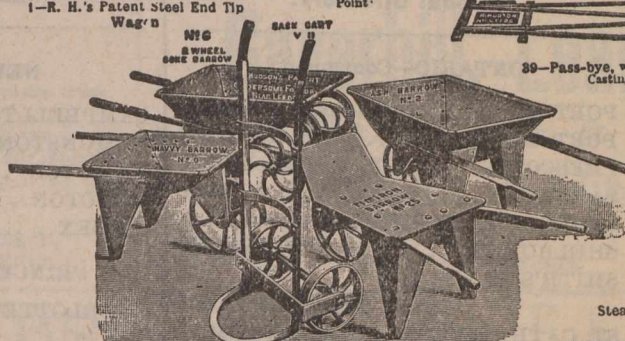
39—Pass-by, with Fixed Points Castings only



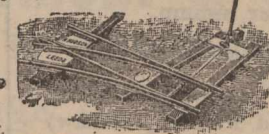
17—R. H.'s Patent Self-contained Ball Bearing Turntable, dispensing with Lubrication and Masonry Foundations



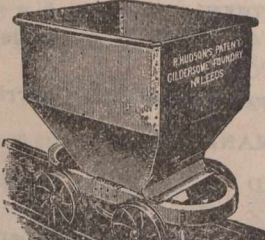
27—Hopper Wagon, with Slide Door



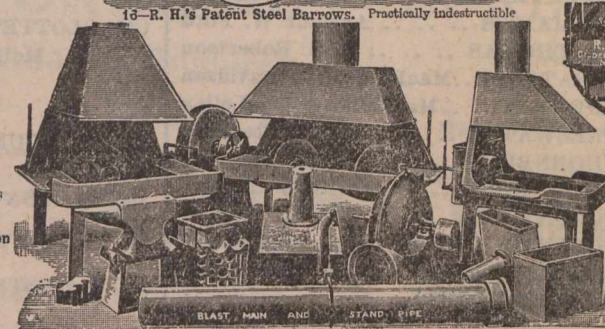
13—R. H.'s Patent Steel Barrows. Practically indestructible



10—Left-hand Steel Points & Crossing



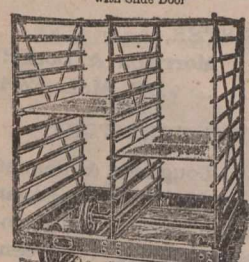
69—R. H.'s Improved Steel Hopper Wagon with Slide Door



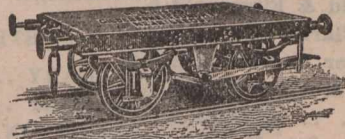
6—R. H.'s Patent Iron Smith's Hearths. No Brickwork required



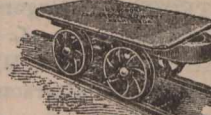
Steamship Barrow. Drawing V 10



68—Cake Drying Wagon



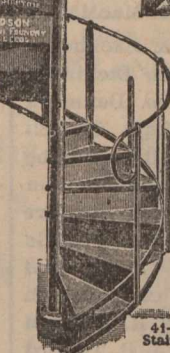
56—10-Ton Platform Railway Wagon



58—Steel Plate Bogie



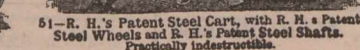
22—Two Tons Steel Plate Bogie. Practically indestructible.



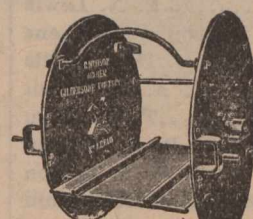
44—R. H.'s Patent Steel Staircases. Extremely light



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.



78—Tippler for Mining Wagons



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



70—Foundry Fettling Box



57—Steel Coal Box with Drop Bottom



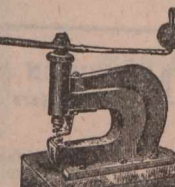
Self-lifting Steel Tip Bucket, used with Patent Self-acting Catch II



61—Rope Bucket, with R. H.'s Patent Self-acting Catch for Wire Rope Transport



4—Furnace Coal Wagon



53—Fly Punch



55—Foundry Ladle



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



63—Mining Ribble with or without Jaw in bottom

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PATENT

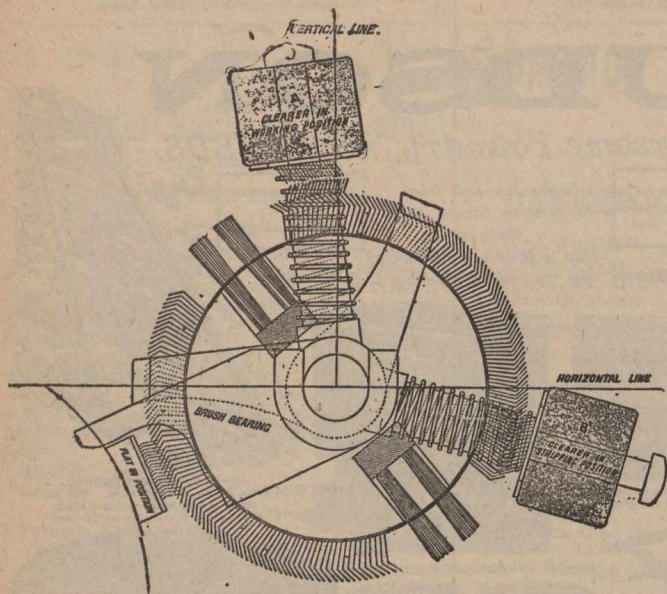
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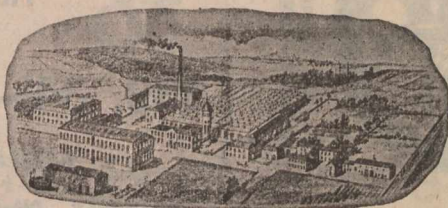
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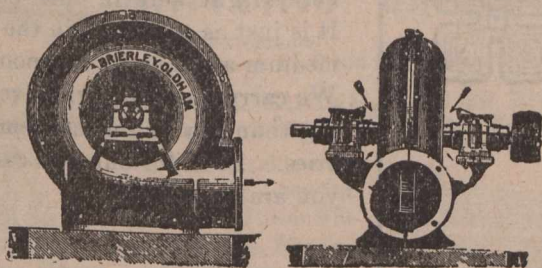
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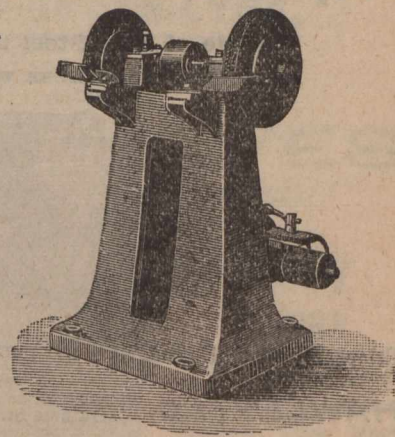
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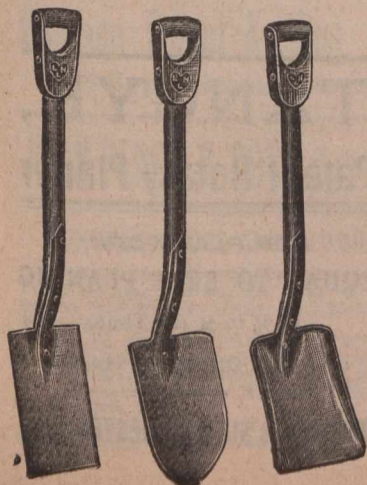
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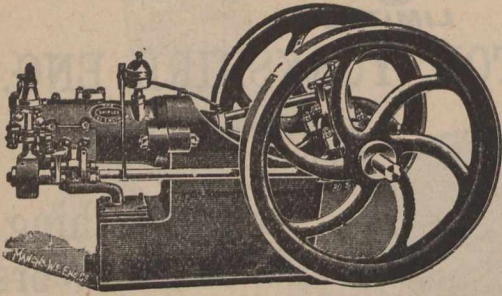
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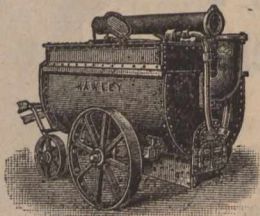
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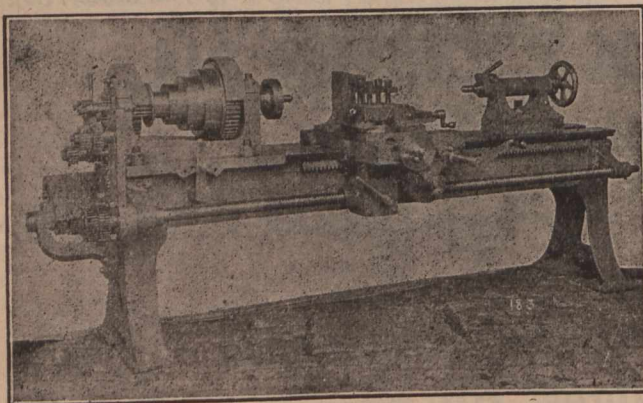


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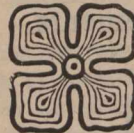
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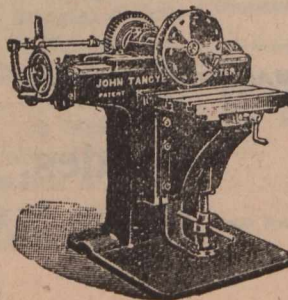
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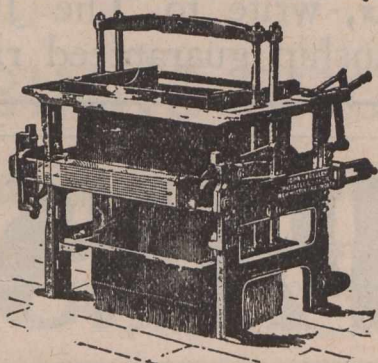
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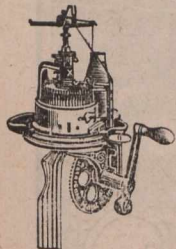
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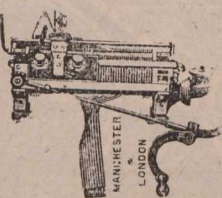
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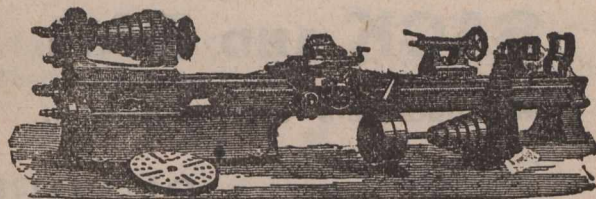
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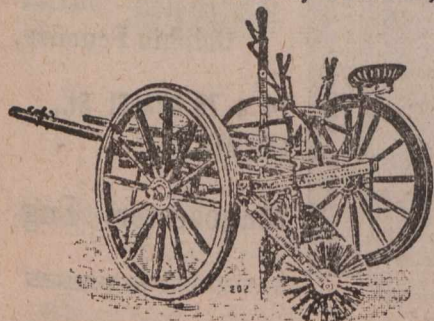
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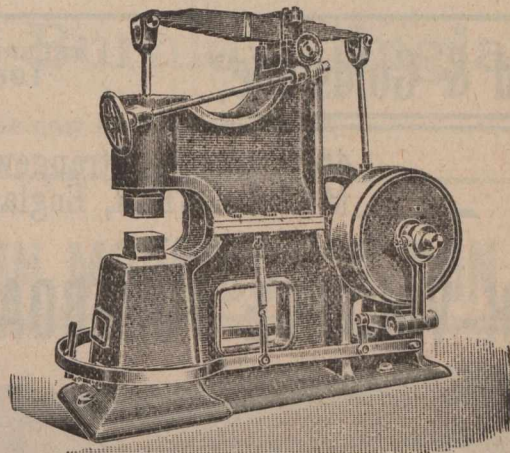
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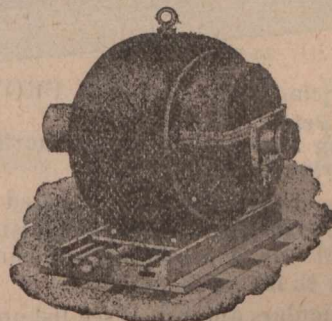
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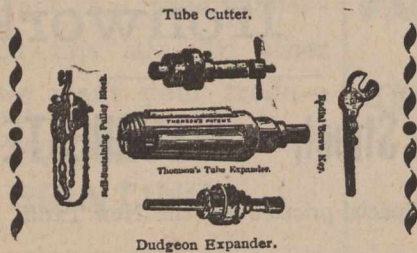
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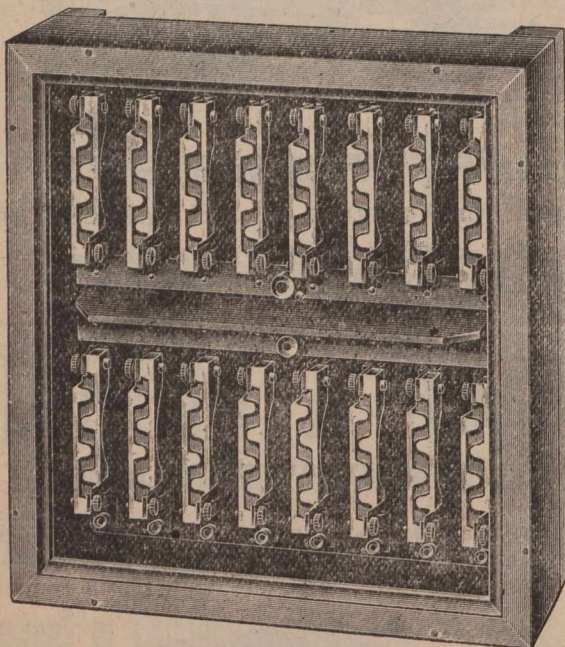
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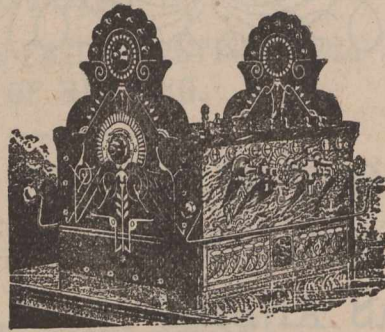
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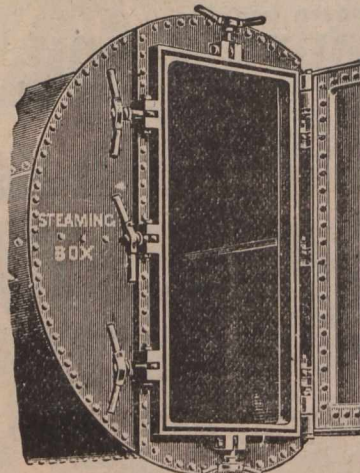
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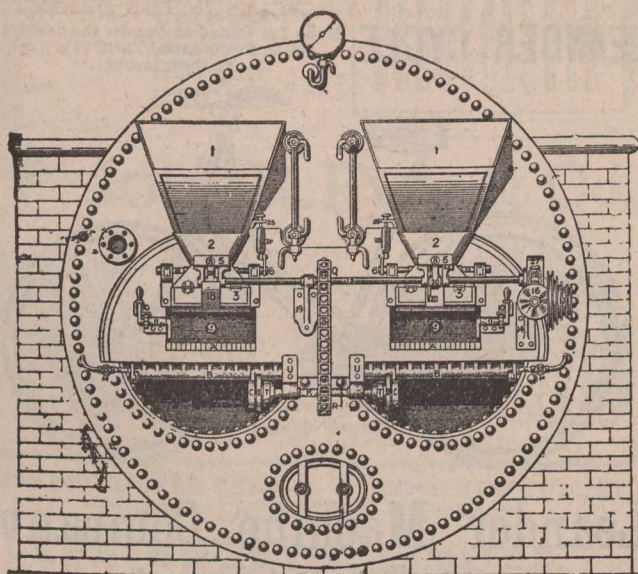
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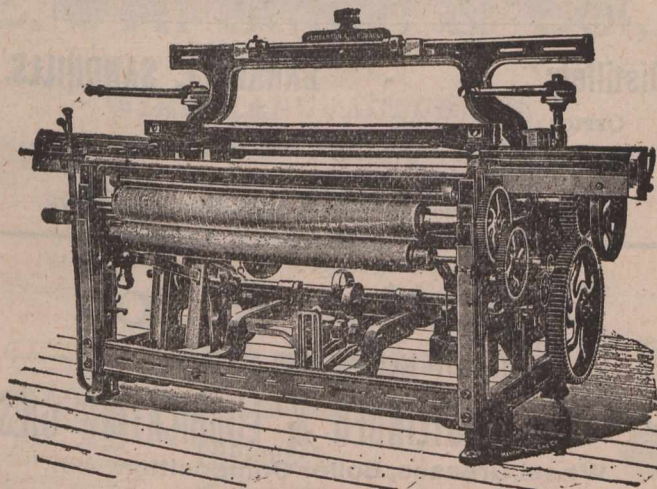
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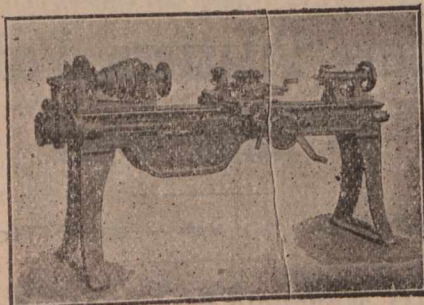
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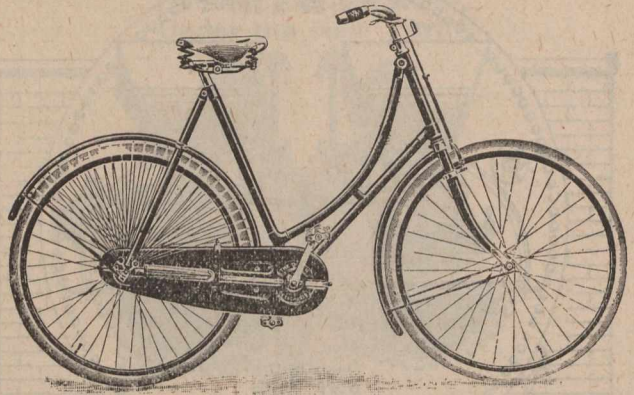
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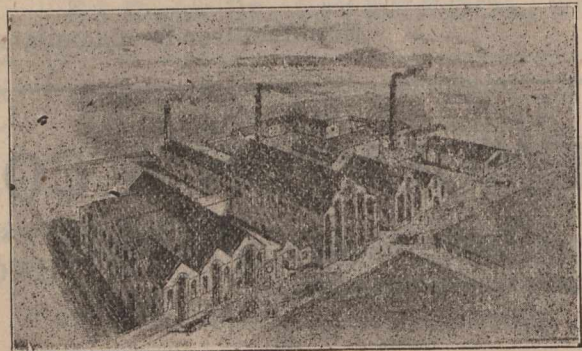
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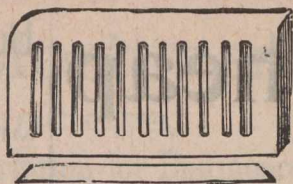
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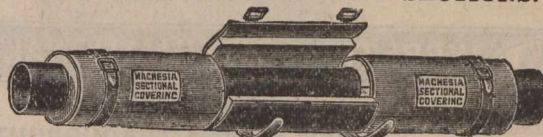
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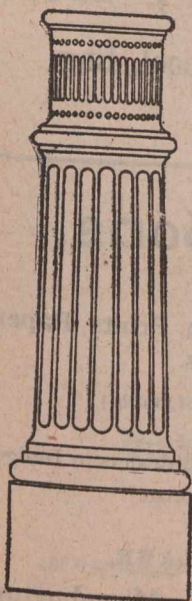
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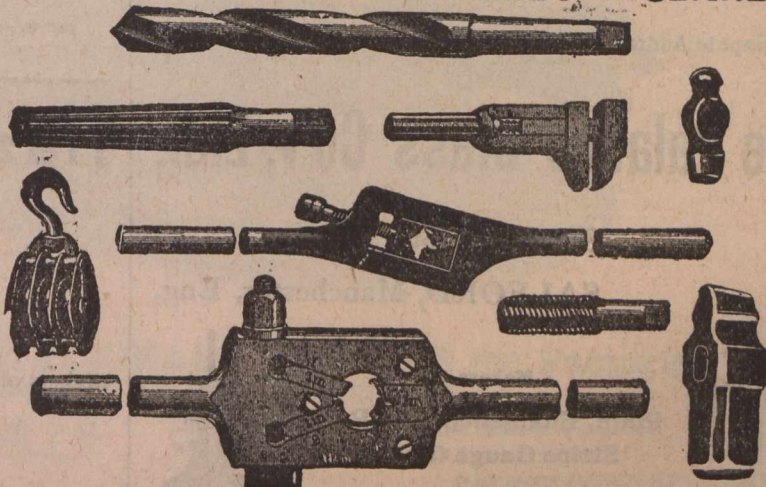
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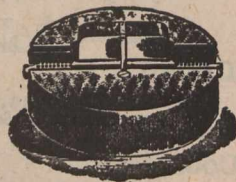
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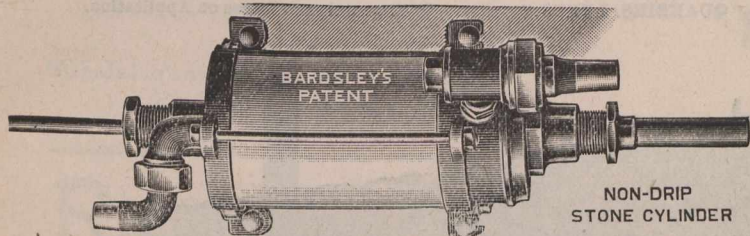
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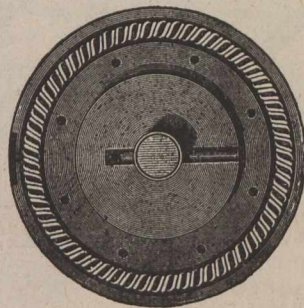
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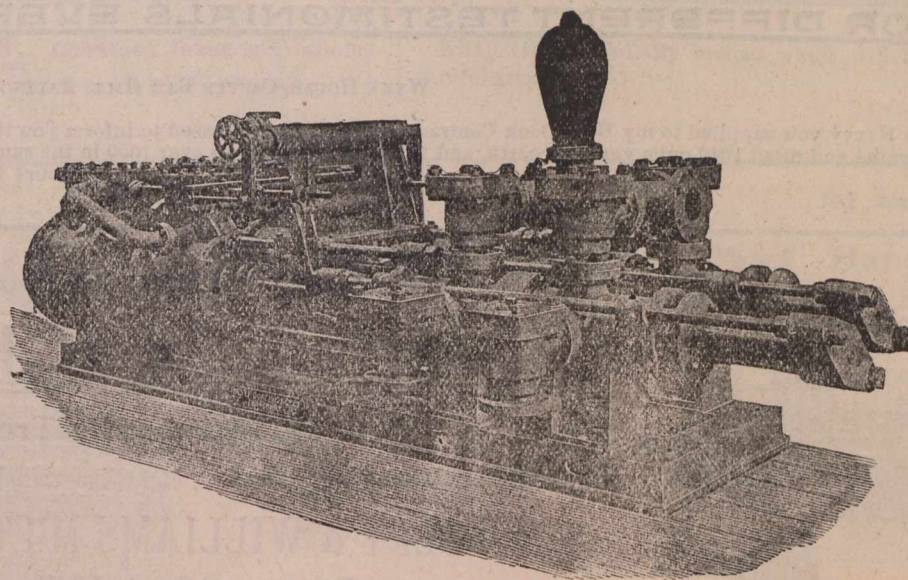
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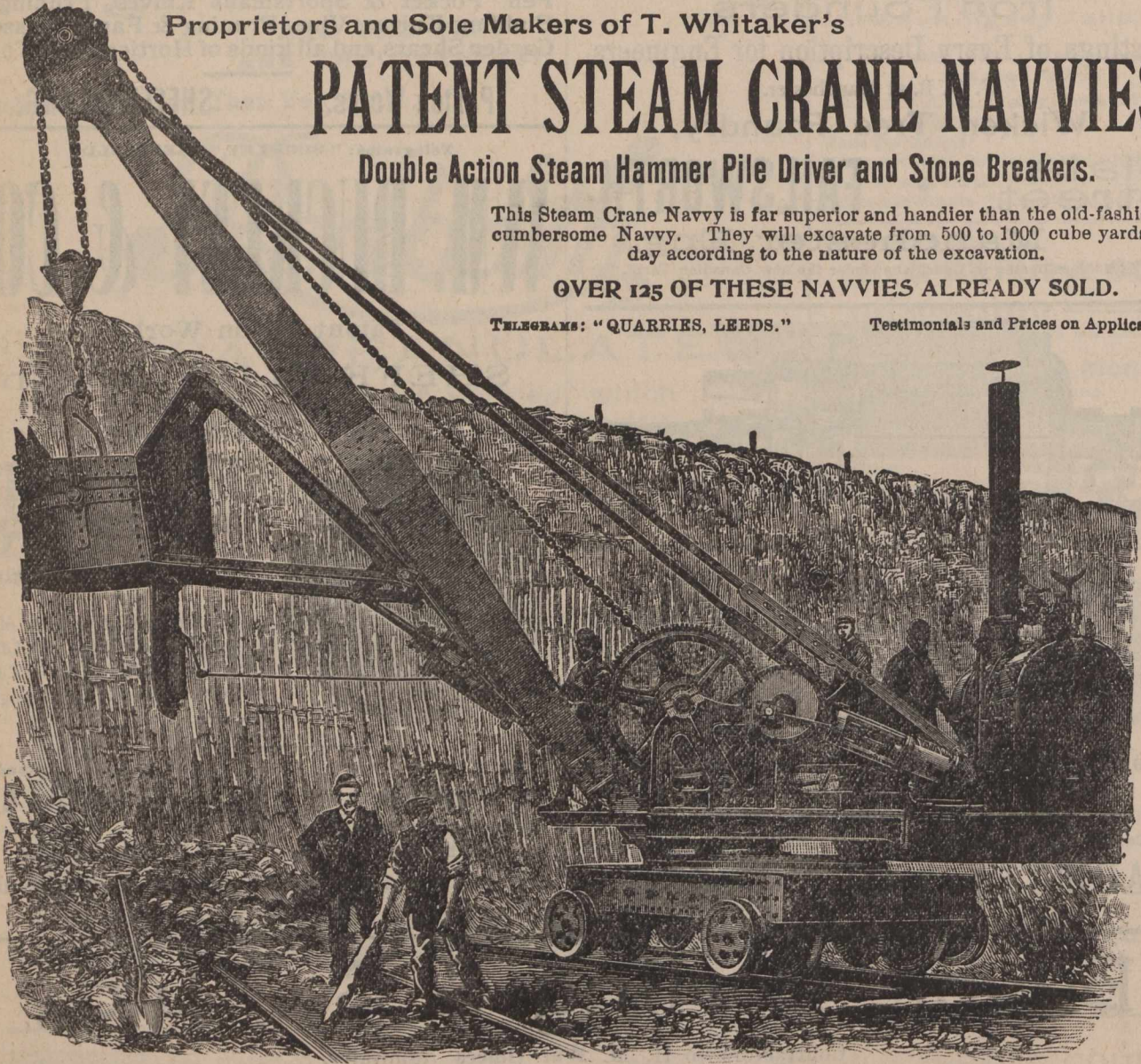
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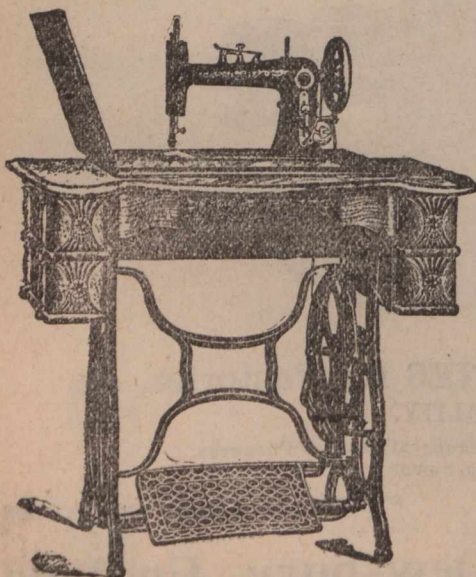
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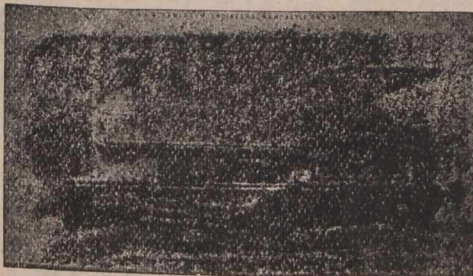
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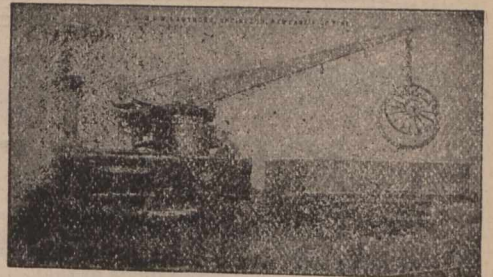


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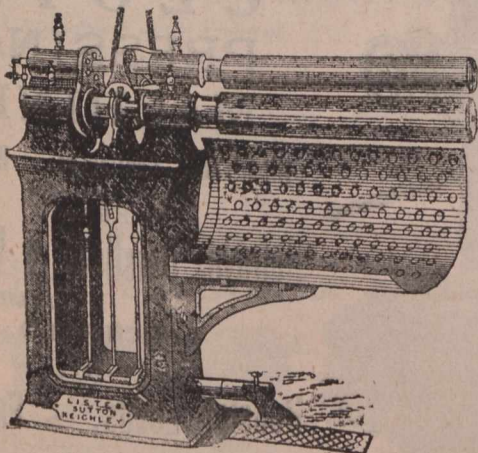
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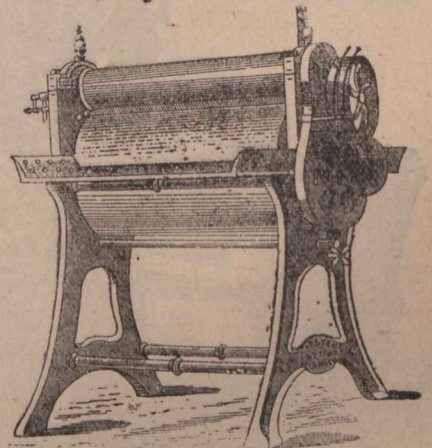
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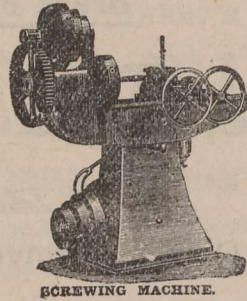
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171 St. James St., Montreal

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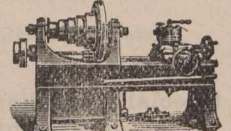


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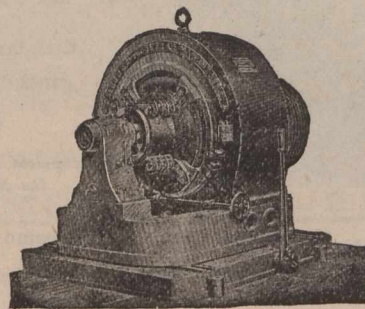
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Manufacturing Electrical Engineers,

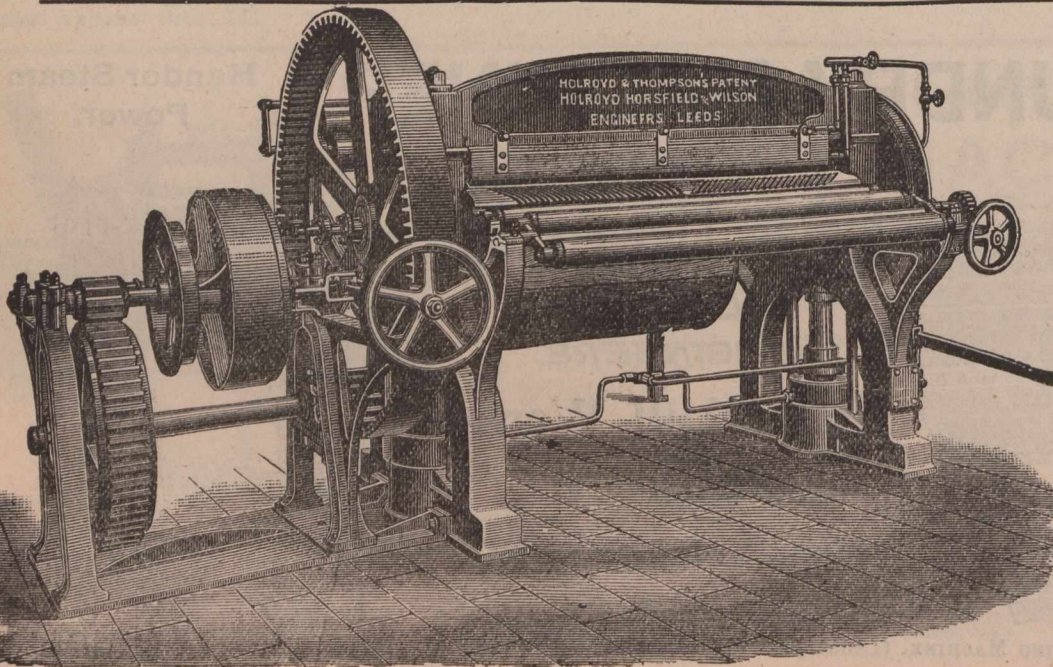
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**Soft, Stiff and Flexible
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Specialities in EXTRA LIGHT HATS for the Colonial Markets.

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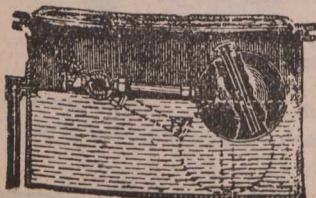
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Over 50,000 have been sold.



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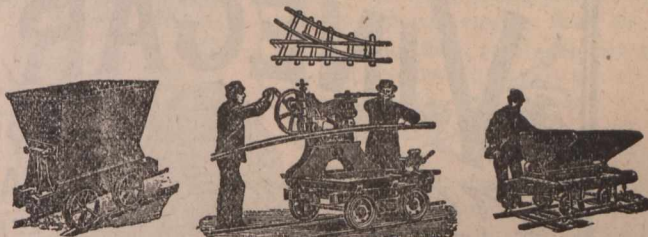
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Mills at Paris, Thorold, Port Dover, Coatcook.
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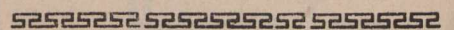
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Cottonades, Tickings, Denims, Awnings,
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MACHINISTS, IRON and BRASS FOUNDERS,

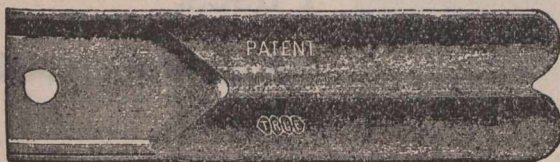
Patent Temple Makers and Patentees,

Guy Foundry, Padiham, Lancashire, England.

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

PATENT "TRUE" TEMPLE.

With Steel Cap and
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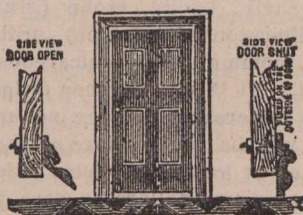
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**Slater's Patent "RELIABLE"
Draught**

Dust



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Stopper

For the Bottom of Doors.

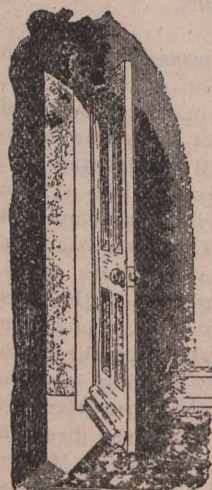
Stock Two sizes, and you can suit ANY WIDTH of Door. Cut in Two Minutes to any length

Also THE CHEAP
"CHAMPION"

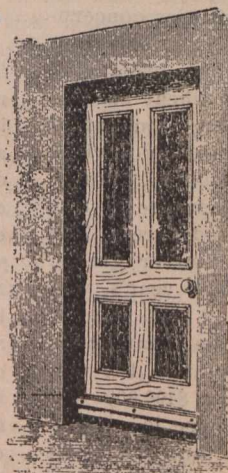
Easy to Fix. Easy to Remove.
Lowest Price. Quickest Sale.

The Cheapest Draught, &c., Pre-
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BEST DISCOUNT TO THE TRADE.



Door with Preventer, OPEN.



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Lancashire Steel Potato Peeler.

(Also for Apples, Carrots,
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Sole Makers.

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Special prices to Canadians under the New Tariff.

Commercial Summary.

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

—The by-law exempting the Norwich, Ont., Milling Co. from taxes was voted on and carried by a large majority—217 for and 5 against.

—The Russian Government has ordered the installation of the Slaby-Arco system of wireless telegraphy between the stations on the Baltic coast.

—For the month of April the imports for the Dominion totalled \$17,104,523, as against \$13,999,282 last year. The exports amounted to \$13,643,198, as against \$9,122,094 in the same month of 1901.

—A Stratford, Ont., letter states that the new superintendent of motive power on the Grand Trunk Railway System, paid a visit of inspection to the shops there recently and said that plans had been prepared for the new tender shops, which would soon be erected.

—The Pittsburg Reduction Company has secured 400 acres of land at Massena, N.Y., and will erect five large factories to cover at least fifteen acres. They will manufacture aluminum principally and will employ from 500 to 600 men. The cost of this plant will be over \$1,000,000. They will use electrical power from the St. Lawrence.

—Winnipeg advices state that the Canadian Northern is to build another extension this summer in the vicinity of the Boundary. The line will run east from Emerson, and be between 20 and 30 miles in length. Surveyors are now engaged in laying out the route of the extension, and contracts for the work will probably be let in a few days.

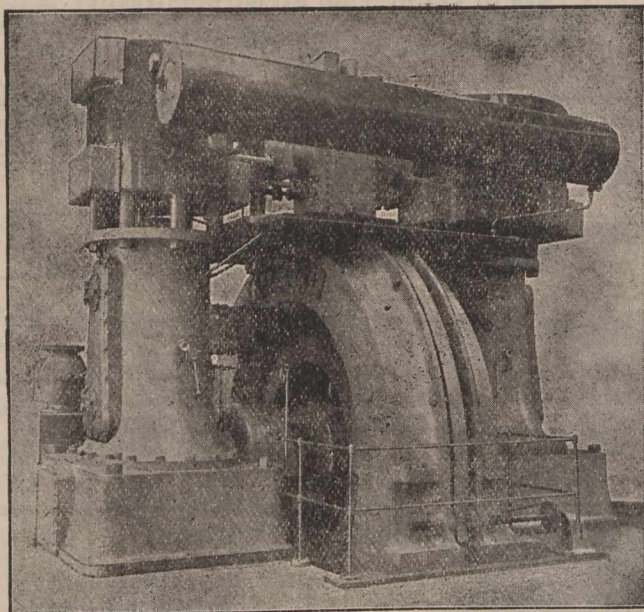
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Electrical & General Engineers,

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Single
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Alternators.



Engines,
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Resistances,
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1,200-Kilowatt Ferranti Engine and Alternator.

HOLLINWOOD, LANCASHIRE, = Eng.

—Wheat shipments east from Winnipeg continue at the rate of about 250 cars per day, and the C.P.R. officials estimate that the western elevators will be cleared out by June 1.

—Dawson, Y.T., news of the 17th reads: The river is now open from Dawson to Labarge. All the jams were broken yesterday. The mail at Hootalinqua is on the way down, and traffic is expected to open to-day. Victoria Day will be celebrated here with great enthusiasm by races and sports. The funds for prizes, etc., already amount to over \$3,000.

—Late Winnipeg advices state that reports received from all points in Manitoba and the Territories concerning seeding operations, which are about over, and crop conditions, are summarized as follows: The protracted spell of unfavorable weather has retarded wheat seeding to such an extent that, in spite of the large amount of new land brought under cultivation by recently arrived settlers as well as old homesteaders, it is doubtful if there will be any very material increase in the acreage of this cereal, although several points report an advance. The difference, however, will be made up in coarser grains, and crops promise to be fully as large as last year's.

—Vancouver, B.C., advices state that the clean-up at Atlin has begun. There is great excitement in the diggings, as it is away beyond expectations; \$100,000 was taken from Pine Creek Diggings alone. There is a stampede on Gold Run. Expert opinion states that it is equal to Eldorado. There is \$40 daily per man being taken out on Gold Run. Howard and Brunner are putting in steam pumps on this creek.—A lumber war is on, and lumber is selling at \$20 per thousand, a great boon to miners putting in plants.—An ancient auriferous channel has been found on the Hirschfeld group, which is turning out very rich.

—The Quebec Government, by an order-in-Council, fixed the prices to be charged for prospecting for what are termed inferior metals. It is accordingly ordered to fix at one dollar an acre, the following minerals, namely: Peat, bog ore, manganese, ochre, refractory clay, infusorial earth, kaolin, stone (granite, anorthosite, serpentine, limestone, sandstone), ordinary building stone, limestone, common clay, calcareous marl, sand or ordinary gravel. It is also further ordered that for the other inferior minerals which are not mentioned hereinabove, the price will be four dollars an acre, if these minerals are situated at less than twelve miles from a railway in operation, and two dollars an acre, if they are not more than twelve miles from a railway in operation.

—The Minister of the Interior has succeeded in obtaining quarters for a Canadian immigration office in a central part of London. The office will be in a fine new building, which is going up at the junction of Trafalgar Square and Whitehall. The ground floor will be devoted to a complete and thoroughly comprehensive exhibit of Canadian natural products, and the staff will be accommodated in the upper part of the building. The name "Canada" will be emblazoned on the building in large letters, and at night it will be displayed by electric lights. In the opinion of Mr. Sifton and his energetic deputy, Mr. Smart, Canada, in order to attract attention, must adopt the methods of the successful business men by getting into the best street and displaying its wares in the most attractive style. The Immigration Office will be under the direction of Mr. W. T. R. Preston, who will have under him Messrs. Duncan and Webster of Glasgow and Cork respectively. Both the latter were formerly Manitoba farmers, but for the last four or five years have been in the immigration service. It is likely that some of the best of the Canadian exhibits at Wolverhampton and Cork will be transferred to the new Immigration Office when these exhibitions are at an end.

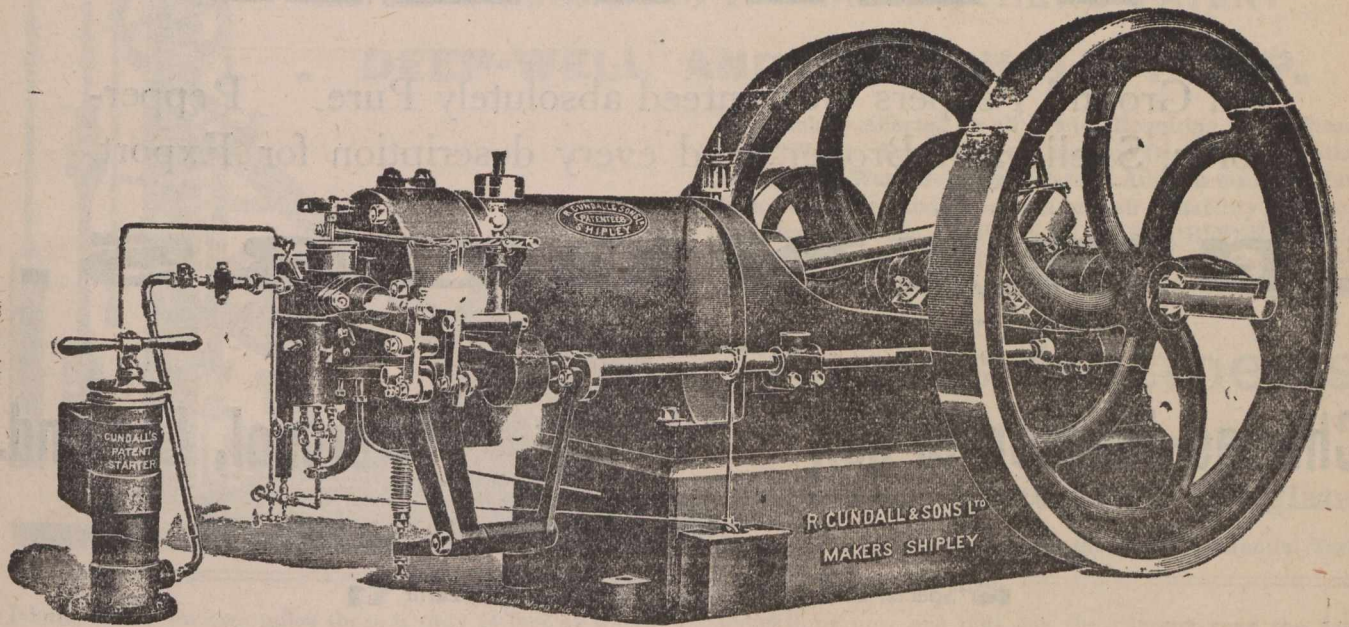
Telegrams: "CUNDALL, Shipley."
National Telephone, No. 75, Shipley.

Contractors to H. M. Government.

THE "CUNDALL" PATENT

OIL ENGINES

Are the Simplest Engines Running.



Economical, Reliable, Easily Managed and Safe.

Extracts from Letters Received.

"Shall be pleased to show the 20 h. p. Oil Engine to any of your clients, and can thoroughly recommend it."

"I have every pleasure in stating that the 20 h. p. Oil Engine you supplied me with for Electric-lighting purposes and for Pumping is giving satisfaction. It is doing its work most efficiently."

"You will be glad to know that the 20-Brake Oil Engine which I got some time ago is giving me entire satisfaction. It is running very steadily—so much so that I am able to supply my Electric light direct, without the slightest waver in the light. It is very easily started. I should say your Engines are as near perfection as possible."

R. Cundall & Sons,

LIMITED.

SHIPLEY, YORKS

ENGLAND.

—Hon. Wm. Harty, Henry Mooers, George Richardson, Edwin Mooers and Thomas Donnelly, of Kingston, have been incorporated as the Frontenac Cereal Company, Ltd., with a share capital of \$500,000. The new corporation is empowered to absorb the Frontenac Milling Company, Limited, and the Kingston Elevator and Transit Company, Limited.—Messrs. W. F. Cowan, J. D. Stone, H. T. Carswell, F. W. Cowan, John Dyer, and A. G. Storie, of Oshawa, have been incorporated as the Oshawa Steam and Gas Fittings Company, Limited, with a share capital of \$50,000.—Messrs. W. A. Mackay, David Craig, Allen Francis, James Carswell, and Joseph Knight, of Renfrew, have been incorporated as the Renfrew Milling Company, Limited, with a share capital of \$65,000.—Messrs. O. W. Stanton, W. T. Ross, H. K. Lee, M. Medien, and O. E. Stanton, of Montreal, have been incorporated as the Rideau Graphite Company, Limited, with a share capital of \$50,000, and a head office at Kingston.—Messrs. J. E. Webb, Albert Webb, G. M. Hendry, W. M. Beall, and W. E. Smily, Toronto, have been incorporated as the National Electric Company, with a share capital of \$40,000.—Other companies incorporated or licensed include the Britannia Athletic Association, Limited, and the Pickands Iron Company, Michigan.—The Sao Paulo Tramway, Light, and Power Company, Limited, has been authorized to increase its capital stock from the sum of six million dollars to seven million dollars.

—Dr. W. Seward Webb, president of the Rutland Railway Company, says a recent New York letter, gave out the following statement: "In view of the allegations in connection with the pending suit against Mr. Meyer, about the value of Rutland stock, intimating that an attempt has been made to put it off on the public, I feel that it is my duty to the stockholders of the Rutland Railway to make the following statement: 'It is well known by those intimate at all with the road's affairs that last autumn, when the road issued 35,000 shares of new stock at 90, which was issued to pay off its floating debt of \$1,700,000, which has been done, leaving a large sum still in the

treasury for improvements, I underwrote the whole amount and only succeeded in securing 2,000 shares, the balance being taken up by stockholders. Having lived many years on the property and knowing all about its possibilities, I went into the open market and bought some forty thousand shares paying for the greater part of it from 110 to 117. I bought two large blocks from two private estates at 113½ and 117, saying at the time that as a four per cent. stock it was not worth much, but that I wished it for control, and was willing to pay that price. The road has to-day \$1,200,000 in the treasury applicable to the work we are doing, and its earnings are increasing heavily each month, showing for the month of April an increase of \$22,031.95. I have my stock and shall keep it, as I believe absolutely in the future of the property.'"

—On June 1st, according to an Ottawa letter, the option which Dr. Webb's syndicate secured on the Canada Atlantic road will expire, and if the purchase money is not entirely paid over by that date the transfer will not take place. The option, which was first good until April 15th, was later extended until June 1, to afford Dr. Webb and his associates time to complete all financial arrangements. Until June 1 expires nothing definite can be said, but the prospect of the Booth system changing hands is, in the light of recent developments and events, not nearly so promising as it was a few weeks since. Dr. Webb has a controlling interest in the Rutland road, and some time ago asked the directors to guarantee the \$11,200,000 first mortgage bonds which were issued by the Canada Atlantic. The directors consented to do this, but their action had to be confirmed by the stockholders of the road. Shareholders of the Rutland met yesterday in Rutland, Vermont, to take action on the purchase of a majority of the capital stock of the C.A.R. Nothing definite was arrived at, and a postponement was made until June 28. This is significant, and looks as if the stockholders do not intend to sustain the decision of the directors in guaranteeing the bonds. It is rumored that Dr.

ESTABLISHED 1870.

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

PEPPER

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

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Special Prices to Canadians under the New Tariff

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

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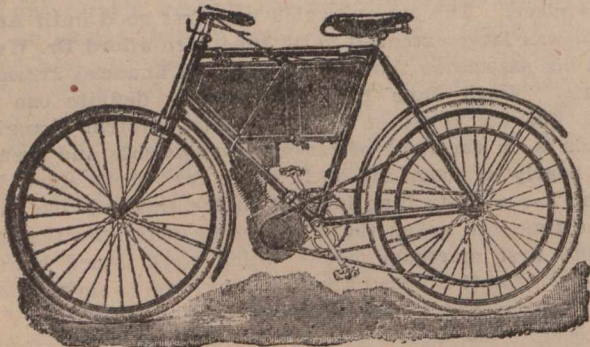
Godley Mills, and Tower Street Works,

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.

Webb paid \$200,000 as a deposit. In case he fails to make good the remaining \$11,000,000, so as to secure a controlling interest in the Booth system, he will forfeit the \$200,000.

—An Ottawa letter states that Hon. J. I. Tarte returned to the city recently after a trip to Quebec, and has issued orders to invite tenders for the works which have been authorized by Parliament. He finds that at present no ocean, nor line ships, can find a place, and has determined to immediately proceed with the work for which the plans are all ready. This work will consist of a wharf 1,200 feet long, built out from the wall of the present basin, with an area of 470 feet long running towards the present breakwater. He is also going to have the whole St. Lawrence route put in good shape, and has ordered a survey to be made of the north channel, opposite Crane

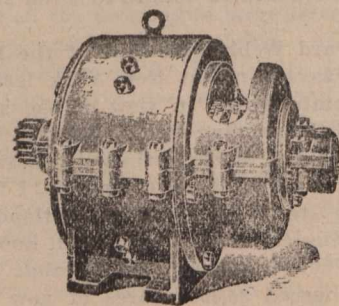
ALFRED SYKES,

ELECTRICAL ENGINEER,

Spring Place Works,

Huddersfield,

ENGLAND.



NOTE—Buy British Dynamos, under the New Canadian Preferential Tariff, 33 1/2% in favour of English Goods.

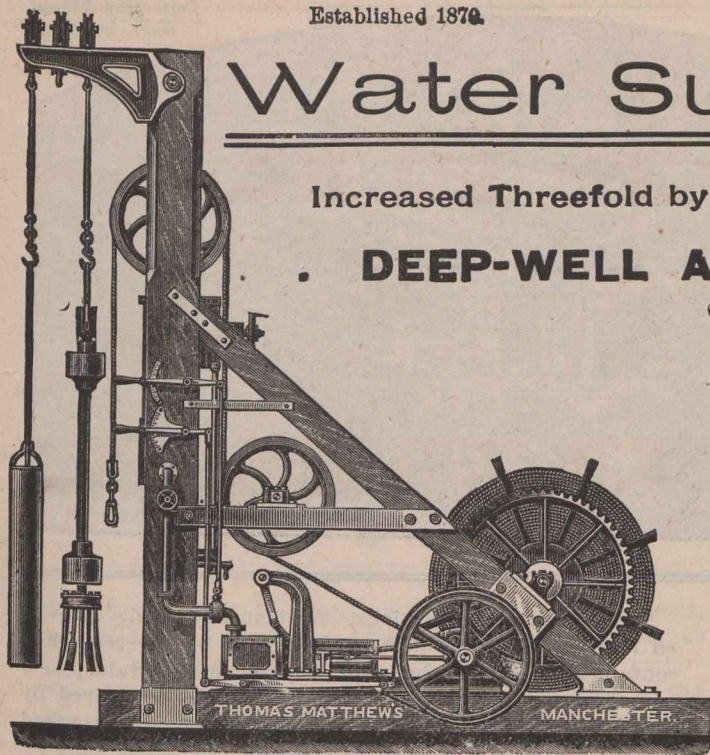
Established 1870.

Telegraphic address: "ARTESIAN, Manchester.

Water Supplies,

Increased Threefold by THOMAS MATTHEWS' PATENT

DEEP-WELL AND BORE-HOLE PUMP.



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

Thomas Matthews,
Hydraulic Engineer,
Pendleton, Manchester, England.

Special terms to Canadians under the New Preferential Tariff.

Island, where for two miles there is only 24 feet of water. This survey will be in charge of Mr. Cowie, of the engineering staff. The Minister also visited the Government ship-yard at Sorel, and found that the big suction dredge will be ready in a day or two. She will immediately go to work on Lake St. Pierre. The channel at this portion is only 27 feet deep, and this year the operations will be confined to making it 31 feet at dead-low water. Next year the work of widening the channel from 300 to 500 feet will be begun. The operations this year are being confined to deepening the channel, so as to give accommodation to trade by providing for deeper and larger vessels to come up. The elevator site at Windmill Point, originally granted to the Connors syndicate, will be ceded to the Grand Trunk, and the elevator will be in readiness to handle grain at the commencement of next year's navigation. The order-in-Council sanctioning this will be passed at an early date.

—Canada's foreign trade for the month of April shows a phenomenal increase in exports and imports alike. The

indications now are that for the current year the trade returns will run far beyond the best records of all previous years. There is for the ten months of the current fiscal year an import trade of \$162,508,168, as against \$146,340,349, in the same months of 1901. The exports of domestic produce amounted to \$158,190,071, as against \$144,806,615 in 1901. Along with the exports of foreign produce this made a total foreign trade of \$333,522,149, for the current year so far, as against \$306,075,920 in the same period of the last twelvemonth. The detail is as follows for the ten months' periods of 1900 and 1901:

	1901.	1900.
Imports—		
Dutiable goods	\$86,408,129	\$95,372,429
Free goods	56,534,291	62,406,900
Coin and bullion	3,397,929	4,728,839
Total imports	\$146,340,349	\$162,508,168
Duty collected		
	23,824,195	26,245,191
Exports of domestic produce—		
Minerals	\$30,163,967	\$27,775,527
Fish	8,665,271	12,076,766
Forest produce	23,065,604	24,515,865
Animals and their produce	48,299,828	50,049,772
Agriculture	21,448,753	29,163,033
Manufactures	12,834,520	14,579,236

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.

SLADE & Co., Ltd.

THE ROYAL TOFFY WORKS,

LEEDS, ENGLAND.

Manufacturers of the finest

HOME MADE TOFFY.

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

Hanson, Scott & Co., Limited.

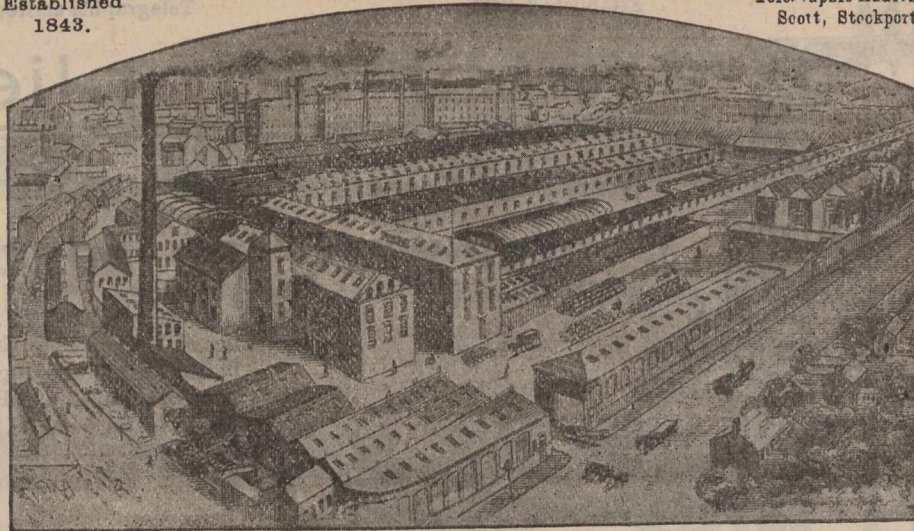
HEMP, FLAX AND
JUTE SPINNERS,

Manufacturers of Hemp and Cotton
Twines.

STOCKPORT, - ENGLAND.

Established
1843.

Telegraphic Address
Scott, Stockport."



Miscellaneous	42,955	29,872
Coin and bullion	285,712	.....

Total exports domestic produce ..	\$144,806,615	\$158,190,071
Total exports foreign produce	14,928,965	12,823,910
Grand total foreign trade	306,075,929	333,522,149

For the month of April alone there have been imports of \$17,104,523, as against \$13,999,282 last year. The domestic exports amounted to \$13,643,198, as against \$9,122,694 in the same month of 1901. The exceptional development in exports for the month is shared in by most lines of goods which Canadians are shipping to foreign markets. The chief increases in agricultural produce have been: — Apples, \$11,000; wheat, \$2,833,000; flour, \$57,000; hay, \$283,000; potatoes, \$58,000. Bacon is the chief increase in the item "animals and their produce." In forest produce the gain has been in sales of planks and boards. The following are the chief increases among the fisheries: Lobsters, \$37,000; canned lobsters, \$46,000; cod, \$15,000; canned salmon, \$256,000; other fresh fish, \$30,000; herring, \$7,000. Among the manufactures the following increases occur: Explosives, \$50,000; household effects, \$54,000; castings, \$15,000; pig iron, \$146,000; leather, \$58,000; boots and shoes, \$10,000; whiskey, \$18,000; other metals, \$29,000.

—Fire Insurance Decisions.—An insurance policy provided that the property designated should be covered while contained in a frame building situated at a certain place, and that no condition of the policy should be waived by any officer unless the waiver was written or attached to it. On May 2 insured telephoned the agent that he desired a transfer of the insurance to another building made that day, which the agent agreed to. On May 19

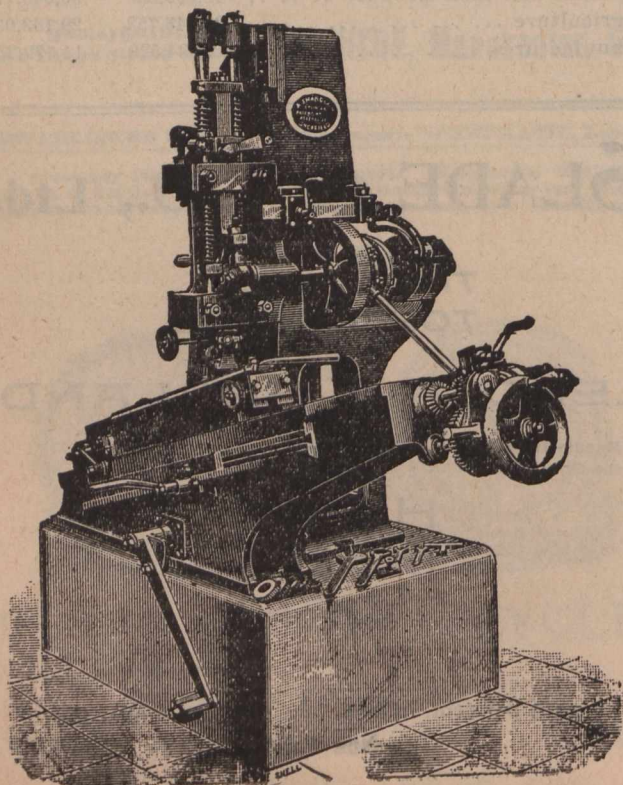
SASH — WEIGHTS



Manufactured for the Canadian Market
under the New Tariff, by

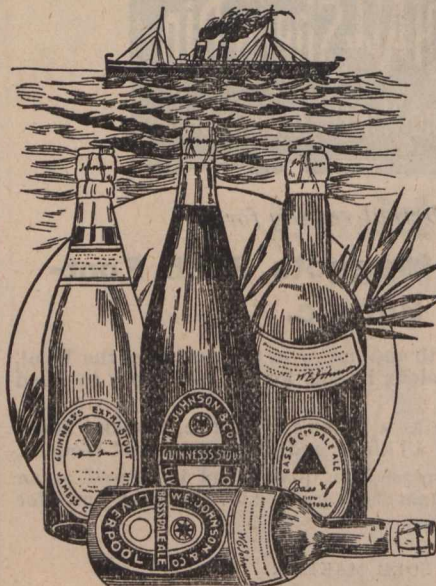
C. H. Taylor & Son,
CYCLOPS FOUNDRY.
LEEDS, ENGLAND.

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



ESTABLISHED 1869.

Bottled Beer and Stout FOR EXPORT.



The "Compass" Brand

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

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

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

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.

the property was destroyed by fire. On May 21 the agent, who had then ceased to act for the company, attached the permit to the policy. Held, that if the written permit was actually made and held for the insured prior to the fire, the fact that it was not attached to the policy until after that time did not destroy its validity. *Bennett vs Western Underwriters' Association*, 89 N.W. Rep. (Mich.) 702.—Where an applicant for insurance states the true condition of the property with reference to title and incumbrance to the agent, but he incorrectly states them in writing the application, such misstatement does not void the policy. *Taylor vs Anchor Mut. Fire Ins. Co.*, 88 N. W. Rep. (Iowa) 807.—Where a policy insured for separate amounts the dwelling house, furniture, cattle and other items, and provided that any incumbrance of the property insured without the consent of the company should avoid the policy, a chattel mortgage on the cattle does not avoid the policy as to the house and furniture. *Taylor vs Anchor Mut. Fire Ins. Co.*, 88 N.W. Rep. (Iowa) 807.—A fire policy required insured to keep books showing a complete record of business transacted, including all purchases, sales and shipments, both for cash and credit, which should be securely locked in a fireproof safe at night. Insured kept books as required, but on the day before the night of a fire took the cash book home to make some entry, and, when he came back, left it in the pocket of his coat, lying on the counter. He then went out on an errand, and did not return that afternoon, and the book, accordingly, was not put in the safe, and was destroyed by fire. Held, that the policy was breached, the loss of the cash book being due to insured's negligence. *Fire Association of Philadelphia vs Calhoun*, 67 S.W. Rep. (Tex. Civ. App.) 153.

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

LOW
HALL
MILLS.



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

Card Clothing
of all Kinds.

CHROME and Oak Tanned
Picking Bands....

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

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

MANUFACTURERS of every DESCRIPTION of

Hydraulic & Electric Machinery.

Dock Machinery, Presses,	Accumulators, Valves, Tube
Coal Tips, Capstans,	Stavers, Dynamos,
Pumping Engines, Lifts,	Power & Lighting Plants,
Intensifiers.	Motors, Cranes.

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

Telegraphic Address: "Muskers, Liverpool."

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.

Telegram:—"WENHAM, MANCHESTER."

MERCIER'S PATENT MINING BELLS AND KEYS

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

These 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.

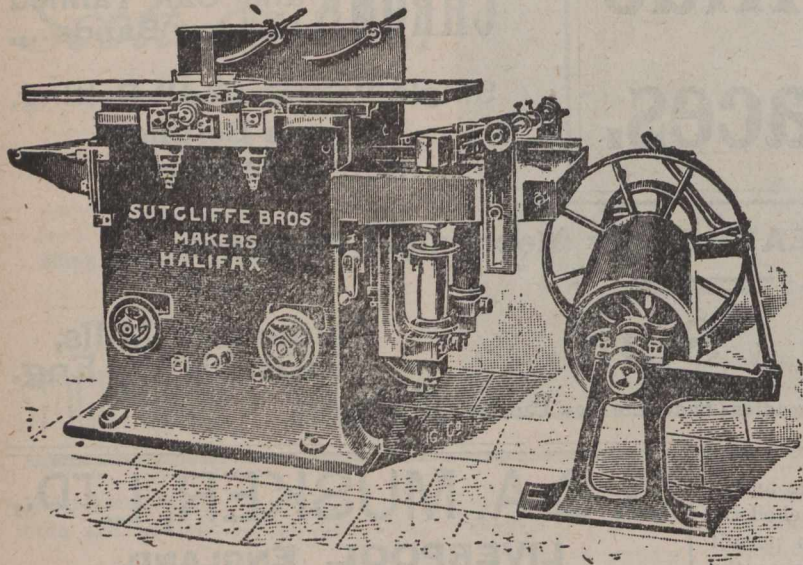
MERCIER'S PATENTS, Limited,

Greengate Electric Works,
Collier Street,

GREENGATE, - Manchester, Eng.

(Cut will be made as soon as received.)

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.

Telegrams: "MOTOR, LEYLAND," ENGLAND.

HIGHEST AWARDS.

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

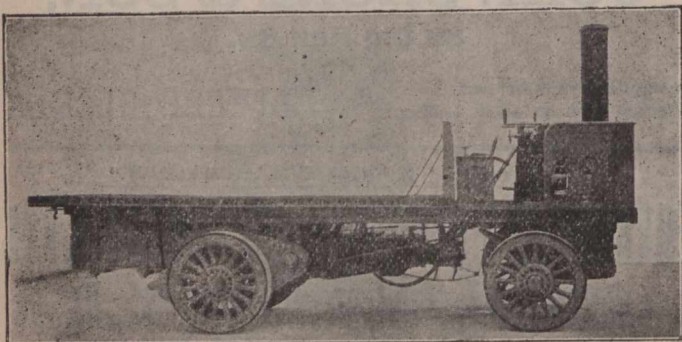
1st Prize, £100, Liverpool Self-Propelled Traffic Association.

Gold Medal, Highest Award,

Liverpool 1900.

Etc., Etc., Etc.

STEAM WAGONS.



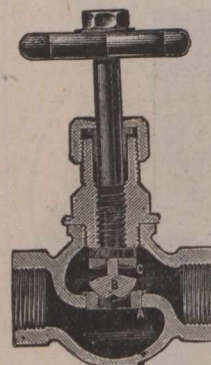
The Lancashire
Steam Motor Co.,
LEYLAND, ENGLAND.

Special prices to Canadians under the new preferential tariff.

—The exploitation of Canada was the subject of an address delivered by Mr. B. E. Walker, at the meeting of the Canadian Club in Toronto recently. Mr. Walker referred in strong terms to the lack of knowledge which Canadians displayed of the resources of their own country, and they had, therefore, no right to complain if people in other countries did not show knowledge. It was not the present results we should look to so much as the development of the future, and Canadians should endeavor to acquaint themselves as much as possible with the resources of their own country. In this respect he considered Canadians the most backward people of the world, and he made a comparison between this country and the United States, where they had exploited their country. Mr. Walker suggested the establishment of a national museum such as the museum at Washington, where there could be shown the various products of the country, such as fish, furs, minerals, etc. As illustrating what Canadians lack in this respect, Mr. Walker said that there was a man up at Sault Ste. Marie who had a staff of experts employed and these men knew so much more about the timber and mineral resources than did the Government itself that they might be considered actually a menace. With this knowledge they could make a bargain with the Government that did not have the knowledge. Turning to the

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,
HUDDERSFIELD, ENGLAND.

ALBERT
WORKS.

Telegrams:
"GOVERNOR," Huddersfield.

Supplied under the New Canadian
Preferential 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.

TASKER SONS & CO.
MANUFACTURERS
SHEFFIELD, ENG.

SHEFFIELD,
32 ANGEL STREET,
England.

Leather Merchants and Mill Strap Manufacturers.

development of the North-West, Mr. Walker said he believed we were merely on the threshold there, that we had no conception of what the production in the future would be. The next twenty-five years, in his opinion, would be more difficult than any of the preceding years, for the great development would bring with it important questions that would have to be grappled with. This in itself made it a necessity that Canadians should become acquainted with affairs there.

—Life Insurance Decisions.—A life policy payable to the “wife, or, in event of her prior death, to the children,” of insured, vests an interest in the children, as well as the wife, each being conditional. *Entwistle vs Travelers’ Ins. Co.*, 51 At. Rep. (Pa.) 759.—A life insurance company, through its general agent, may waive a stipulation in a life policy that no liability shall attach till the first prem-

ium is paid. *Snyder vs Nederland Life Ins. Co.*, 51 At. Rep. (Pa.) 744.—Under provision of a life policy payable to the wife, or, in the event of her prior death, to the children of insured, that it may be converted into cash, at cash, at option of “holder,” the option can be exercised only by the wife and children jointly, all the parties being alive. *Entwistle vs Travelers’ Ins. Co.*, 51 At. Rep. (Pa.) 759.—Under a life insurance policy providing for payment in ninety days after satisfactory proof of death, an objection to such proofs, which in no way impeaches the sufficiency of the showing of the death of assured, but complains as to the condition of his health when first insured, shows no ground for delaying the action more than ninety days after such proof is submitted. *Bankers’ Reserve Life Ass’n vs Finn*, 89 N. W. Rep. (Neb.) 672.

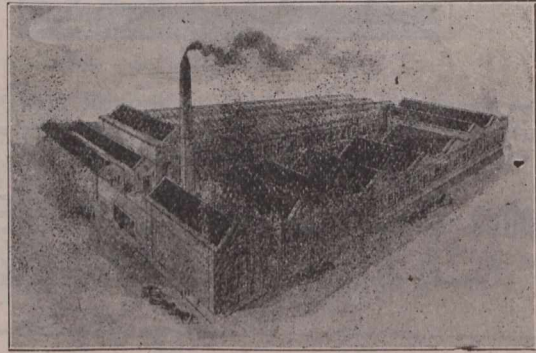
—After considerable negotiation the property at the south-east corner of King and Yonge streets, Toronto, says the Globe, has finally passed into the hands of interests representing the Canadian Pacific Railway, and the latter road will now have control of the property for the

Established 1861.

.. Bootle Jute Factory Co., Limited ..

SPINNERS
AND ...
MANUFACTURERS.

JUTE BAGS AND BAGGING.



JUTE SACKING & SHESSIAN'S.

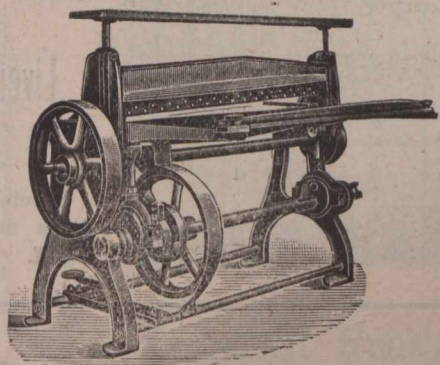
DUNDEE WORKS,

BOOTLE, - Liverpool, Eng.

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

A. Kinghorn & Co.,

Phœnix Ironworks, Millwood,
TODMORDEN, ENGLAND.



Power Geared Squaring Shears

Canadians have 33 1/2 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.

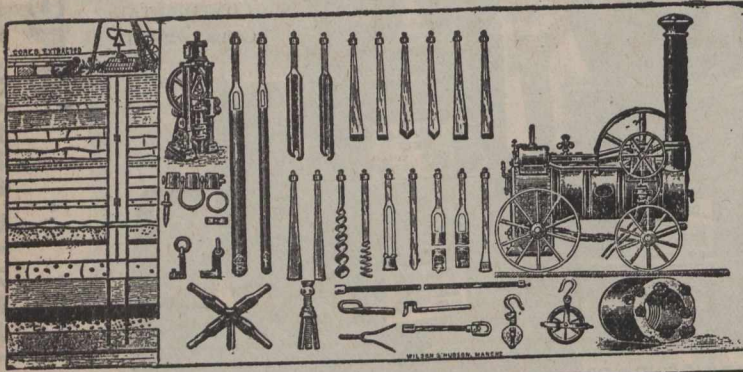
Boring for Minerals, Oil,
Brine, Etc.

Artesian Wells put down to any depth

Manufacturer of
all kinds of

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

Special Estimates under the New Canadian Pre-ferential Tariff.



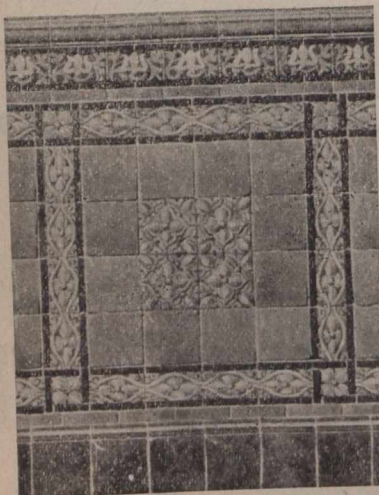
next 21 years. The land belongs to the Bostwick estate and was leased to Mr. Alexander Manning, who also owned the building that stood upon the property. Mr. Manning's lease of the ground expired in March last, and there was considerable speculation as to whom the property would go to. The Canadian Pacific Railway wanted it for their passenger office, and a director of the railway company has now secured it. Mr. E. B. Osler has now the ground lease and has purchased the building. The original lease from the Bostwick estate called for a yearly rental of \$2,500, the new lease calls for \$5,000, while the building was sold by Mr. Manning for \$25,000. The lease of the ground is for 21 years. With Mr. Osler controlling the property, the Canadian Pacific will hold the corner for their ticket office. It is not contemplated at the present time to erect a new building, but repairs and improvements will be made to the present structure.

th Ashbury Railway Carriage & Iron Company, Brown, Marshalls & Company, the Lancaster Railway Carriage & Wagon Company, the Metropolitan Railway Carriage & Wagon Company and the Oldbury Railway Carriage & Wagon Company, is capitalized at \$7,500,000. One of the chief reasons which led up to the formation of the combine was the necessity that a concentrated effort be made to resist the inroads of American builders of cars, who have been capturing a number of large contracts within the past two years for British corporation tramways, and especially to compete with the J. G. Brill Company, of Philadelphia, which concern is to build extensive works at Preston, Lancashire.

—The largest colonization proposition in the history of the Dominion of Canada, says a Winnipeg dispatch, has been successfully floated. A syndicate of Minneapolis, Duluth and Western Canadian capitalists has organized a company with a capital of \$3,500,000, purchased 1,100,000 acres of the finest farm lands in Assiniboia and Saskatchewan. The lands are purchased from Messrs. Osler, Hammond and Nanton, the agents of the Regina and Long

GEORGE SWIFT, Ltd.,

Manufacturers of



Tiles for Floor and Wall
Decorations, Mosaics
and Faience.

Swan Tile Works,

Liverpool, E., Eng.

Special prices to Cana-
dians under the New
Tariff.

CONTRACTORS TO H. M. GOVERNMENT.

HARRAP Bros.

Sole Makers of the Celebrated



(REGISTERED)

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

Bective Mills, Alverthorpe, Wakefield, England.

Special terms to Canadians under the new tariff.



R. GREENLEES & Co.,

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

Works: 30 East Howard Street.

Illustrated Price Lists on Application.

Ice-Making ===== ===== Machinery

FOR ALL

Refrigerating Purposes.

Benjⁿ Goodfellow, Limited,
HYDE, near MANCHESTER,
ENGLAND.

Special estimates to Canadians under the New Tariff.

Lake Railroad. They extend from Craik, 75 miles north of Regina, west of Prince Albert. The great bulk of them are located in the valley of the south fork of the Saskatchewan. About one-half of them were in Assinboia, and the remainder in Saskatchewan. The lands already have good railway facilities.

—Complaint was made to the Dominion Government recently that the United States Tobacco Trust had secured a footing in Canada by the purchase of the Empire factory, and had served notice on the Canadian retailers that they must purchase all their native tobaccos from the Trust's Canadian factory, otherwise certain American brands, which are popular in Canada, would be refused them. The Government has now given its answer to the

complaint by commissioning County Judge D. B. McTavish, of Carleton, to conduct an investigation. The Commissioner probably will hold sittings at Windsor and other places where evidence can be got.

—The Standard Oil Company has declared a dividend for the three months, January to March, amounting to 10 per cent. on a capital stock of \$100,000,000. The dividend is payable June 16 to stock of record May 15. The last dividend, declared in December and paid in January, was at the rate of 20 per cent. The company has, therefore, paid in the first six months of its fiscal year 30 per cent. on its capital stock of \$100,000,000. Of this amount John D. Rockefeller has been paid \$12,000,000. His share of the latest dividend was \$4,000,000. It is probable that the



Barker & Moody,

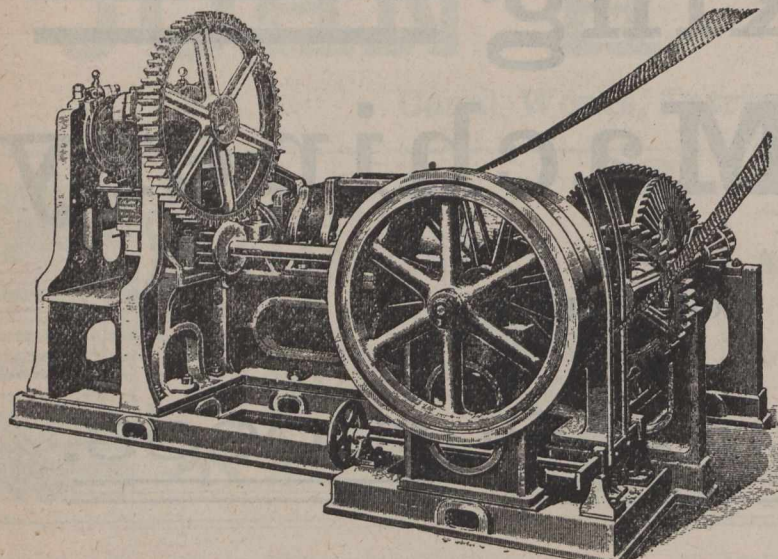
MANUFACTURERS,

PERSEVERANCE MILLS,

Kirkstall Road,
Leeds, Eng.

Make for Canadians under the new
Preferential Tariff.

Telegraphic Address:
"ALEXSON, LEEDS."



Patent Combined Stiff-Plastic Brickmaking and Pressing Machine.

Brick, Tile and General Clay Working Machi- nery

Herbert Alexander & Co.
LIMITED.

Queen's Engineering Works

Water Lane,
LEEDS, Eng.

Standard Oil will pay 48 per cent. this year, as it did last year and the year preceding.

—It is stated that as a result of the investigation made by American capitalists in St. Johns, Que., the manufacture of porcelain enameled baths, which class of manufacture requires a most extensive plant, may be established in this Province within a short time. The plant if erected will be large enough to supply the entire demand in the Dominion in the lines of goods which up to the present have been almost exclusively imported. The increasing importance of the trade in this country, and the demand for sanitary ware, which has rapidly grown, are given as reasons for the establishment of the plant.

—The Liverpool Daily Post, in a recent issue, asserts that at the meeting of the White Star Line, the agreement to transfer the line to the Atlantic shipping combine was unanimously confirmed. About half the shareholders attended the meeting. "The assent of 75 per cent. of the shareholders is required," says the paper,

"but there is no doubt that their sanction was forthcoming, as the terms offered are considered to be very favorable."

—Several improvements have, it is reported, been made in submarine boats by the French Government recently. A new periscope enables them to survey the surface from a depth of 15 metres, while formerly it was limited to a depth of 6 metres. The new periscope is telescopic. Formerly it was necessary for the submarine boats to keep in constant motion. Now a buoy floating beneath the surface enables them to moor.

—The Vulcan Shipbuilding Company of Stettin, the builders of the steamers Kaiser Wilhelm der Grosse, Deutschland, and Kronprinz Wilhelm, intends to establish a new shipbuilding plant on the Elbe, below Hamburg, for the construction of very large commercial and naval vessels. Herr Stahl, chairman of the Vulcan Company, in making announcement of this project, at a stockhold-

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

THE IMPERIAL "S. C."

Acetylene • Gas • Company,
LIMITED.

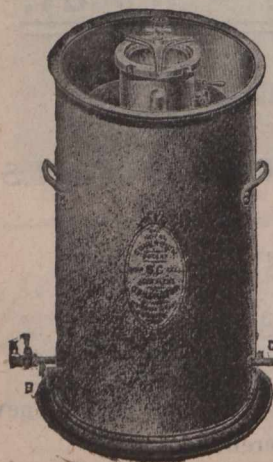
30 St. Ann Street,
MANCHESTER, Eng.

Telegraphic Address:
"ACETYLENE, MANCHESTER."

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

THE

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



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

The J. C. McLaren Belting Co.

FACTORY:

MONTREAL, TORONTO, VANCOUVER.

Manganese

LUMP, FINE and GROUND.

EVERITT & CO.,

40 Chapel Street, Liverpool, England.

Joseph Booth & Bros., L'td.,

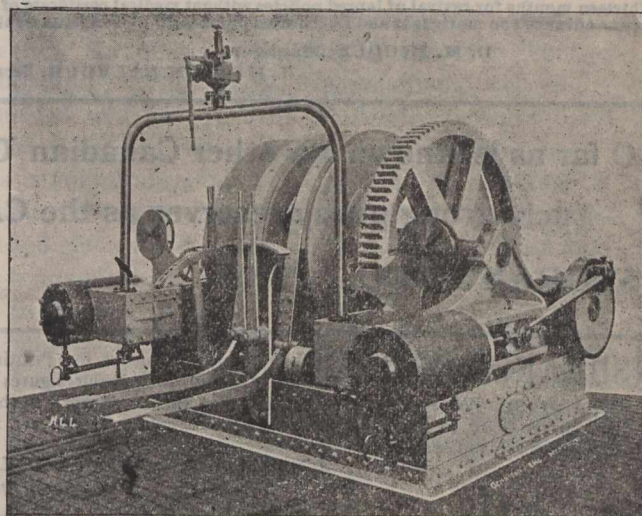
ENGINEERS
and MANUFACTURERS,

Rodley, Near Leeds, - - England.

Manufacturers of

Steam Hydraulic Cranes
and Lifting Machinery,

Under the New Canadian Tariff.



ers' meeting held at Stettin, said the River Oder was too shallow for the successful launching of the largest vessels.

—Fire did damage to the extent of some \$25,000 in the Canadian Colored Cotton Company's mills at Cornwall, Ont., on the 17th instant. The fire broke out in the mule room, in the fourth storey of the mill. The institution closes down on Saturday 12 o'clock, and it is not known how the fire started. Most of the damage was caused by water.

—A recent cable from Liverpool states that Mr. Morgan, through his representatives, has been and is negotiating with several companies who use the Manchester Canal, with a view of running steamships direct from Manchester

to New York, Boston and other ports. The scheme involves the construction of cotton warehouses.

—From Oswego, N.Y., we learn that the Kingsford family, which has been identified with the starch manufacturing business for more than fifty years, has retired, and their factory there has passed to the control of the Corn Products Company. The offices of the Oswego starch factory have been removed to Chicago. The factory will remain at Oswego.

—The returns of the number of settlers and carloads of effects taken to the west during the nine weeks ended April 29, as given out by the Manitoba Immigration Office in Toronto, show 3,989 settlers and 677 carloads of effects. The number of settlers taken out during March and April, 1901, was 1,684.

—The Victoria Sealing Company has sent forward from Vancouver to London its first shipment of sealskins of the season. There are 2,654 skins in the shipment, valued at about \$40,000. It is expected that better prices will be obtained this year on account of the shortage of the coast catch.

—An electric lighting company has been formed at Havana, Cuba, with a capital of \$2,000,000. This company will operate under an old Spanish concession, which has been recognised by the Military Government. The capital interested is Cuban and English. The company will lay its wires underground.

—The first supply of lobster eggs, amounting to 35,000,000, has been received at the Government hatchery at Bay View, near Pictou, N.S. The prospects are favorable for obtaining a good average supply, which would be 100,000,000 eggs.

—Application will be made for a charter of incorporation by letters patent by Quebec, Montreal, and Ottawa people, in order to acquire and continue the business of C. W. Lindsay, a dealer in music and pianos. The proposed capital stock is \$400,000.

—Arrangements are reported to have been completed to double track the Ontario & Western Railroad from Cornwall to Hancock Junction, a distance of over one hundred miles. Work will begin in two weeks.

—A Stockholm, Sweden, cable announces that the action of both Chambers of the Riksdag being favorable to universal suffrage, the labor leaders have decided to end the strike.

The officers of the World's Best Navy
will have THE BEST CUTLERY!

That is why their

Carvers and
Bread Knives

Are bought from

Frank Mills & Co.,

HANOVER WORKS,

DIVISION STREET, SHEFFIELD, Eng.

We are also supplying an immense and growing number of Ironmongers with every description of TABLE CUTLERY AND PLATE. We have very special lines in

Cabinets, Fish Eaters,
Desserts Spoons,
Forks, Salts, Cruets,
Tea and Coffee
Services, &c., in extensive assortment.

Razors Scissors,
Pocket Knives.



These goods are supplied to Canadians at a reduction of 33 1/3 per cent. less, under the new Preferential Tariff.

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.

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

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

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

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



Capital and Accumulated Funds, :: \$38,355,000
 Annual Revenue from Fire Premiums..... } 5,715,000
 Annual Revenue from Life Premiums..... }
 Annual Revenue from Interest upon Invested Funds..... }
 Deposited with Dominion Government for the security of Canadian policy-holders 200,000

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

FIRE. LIFE. MARINE.

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

ESTABLISHED 1865.

BELL TELEPHONE BUILDING,
 MONTREAL.

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

THE CANADIAN
Journal of Commerce.

MONTREAL, FRIDAY, MAY 23RD, 1902.

LA BANQUE NATIONALE.

A transposition of figures accidentally occurred in our editorial review of the statement of the above bank last week, which we hasten to correct.

The deposits held on 30th April last were as follows, compared with those of last year:

	1902.	1901.	Increase.
Deposits bearing interest...	\$3,978,511	\$3,709,494	I \$269,017
Depts. not bearing interest.	712,338	715,469	D 3,131
Total deposits	\$4,690,849	\$4,424,963	I \$265,886
Circulation	1,370,024	1,187,828	I 182,196
Capital paid up	1,430,550	1,200,000	I 230,550
Reserve fund	350,000	275,000	I 75,000
Current loans, &c., disc'ts	6,627,306	5,838,696	I 788,610
Profits of year	154,993	142,730	I 12,263

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.
 1738 Notre Dame St.

IMPERIAL LIFE ASS'CE CO'Y OF CANADA.

was the first company in Canada to place all its entire policy reserves upon a 3½ per cent. interest basis.

E. S. MILLER, Provincial Manager,
 Montreal, Que.

The above figures for 1902 are all highly satisfactory, as indicating considerable expansion of business, of public credit and of net profits, results very creditable to Mr. Lafrance, Managers, and the Directors.

THE PAST SESSION OF PARLIAMENT.

If nought but good must be said of the dead, the late Session's obituary or epitaph presents a dilemma, for, the task of finding anything good to be said in its eulogy has thrown us upon the resources of imagination. Its life is well expressed by the phrase, "A blank, my Lord." This, however, on second thoughts, is high praise, for it implies innocence, an absence of serious blundering or wrong-doing, which are usually the sins

Mutual Reserve Fund Life Association

FREDERICK A. BURNHAM, PRESIDENT.

EIGHTY-ONE THOUSAND POLICY-HOLDERS.

Total Assets, \$12,264,838.21.

THE TWENTIETH ANNUAL STATEMENT

Shows that the 1900 Business Brought

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

...AND..

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

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

Montreal Office, - - La Presse Building.

T. W. P. PATTERSON, Gen. Man

**UNION ASSURANCE SOCIETY
OF LONDON.**

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

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

ONE OF THE OLDEST AND STRONGEST OF FIRE OFFICES.

CANADA BRANCH:

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

T. L. MORRISSEY, Manager

of a Parliamentary Session. The term also was unusually short, which is another point to its credit.

The Ministers secured a considerable amount of patting on the back for bringing down their Departmental Reports early, which they accepted vicariously as the credit was wholly due to their staff and the printers. The Budget Speech, too, was quite a surprise, it was made so early in the Session and was so devoid of interest, as no tariff changes were proposed, it being thought wise to defer consideration of changes until after the Imperial Conference in July. Cabinet secrets are not ours to disclose, but, we believe the Government had some information regarding the fiscal policy of the Home authorities which rendered it desirable to leave the Canadian tariff unchanged. We are confirmed in this view by the restraint manifested by Ministers in discussing fiscal questions raised by the Opposition, their remarks in regard to which, when read between the lines, indicated something being known that was not available for debating purposes. The Budget debate was consequently the tamest, emptiest on record.

The Opposition being thus deprived of their greatest chance for attacking the Government, were disconcerted and for some time sat sulking in their tents, "getting blue mouldy for want of a bating." The chance came at last for attack, and a long debate occurred regarding the management of the Intercolonial Railway. In this verbal scrimmage the Minister of Railways, the Honble. Mr. Blair, had to endure some hard knocks, as he was wholly on the defensive, and almost without support, while the Opposition leader had several doughty and skilful lieutenants. The Hon. Mr. Haggart took his revenge, with manifest delight, for the attacks he had had to suffer from when in charge of the Intercolonial. For

deficits in his day he was severely censured, but his critics' deficits have been much greater, which suggests the reflection, that critics are not always the best constructors, or administrators. To manage a railway well needs a railway manager, not a politician. The Intercolonial to be a success must be under the control of men like Sir William C. Van Horne, Sir Thomas Shaughnessy, or Mr. Hays, who would put everything connected with the line on a strictly business basis, which cannot be done by any Government enterprise.

As it is customary in operas to work up an imposing scene in the last Act in order to bring on all the troupe for combination effects, so a Parliamentary Session usually is wound up by a furious cannonade all along the line from both batteries, which result, in nobody being "a penny the worse." This year the attack was made on the expenditures of the Government, in which some excellent shooting was displayed and good defensive tactics. The Government has presented a novelty in finance by enlarging the debt heavily while the revenue has been going up by leaps and bounds. At one time such conditions would have wrecked the Government, but now that prosperity prevails the cry of the economist is unheeded; even Sir Richard Cartwright, who poured a lava stream of invective into the Government that spent 38 millions in one year, views now with serenity an expenditure of 65 millions.

Oppositions make one great mistake, they condemn the outlays of Government generally, they say they are "too large," they are "extravagant," and so on, whereas the only effectual, only rational criticism would be, a challenge of specific items. If they cannot point to any such items as objectionable it is absurd to say that the total of them is extravagant.

In some remarks on the agricultural estimates, Mr. Fisher showed a desire to meet the demands for cold storage on railways and steamers. For their efforts in this direction the Government is entitled to praise. The House was aware of the Premier's desire to leave early for England to attend the Coronation, so, on both sides, courteous consideration was given to his convenience. The last act of the Session was an appropriation of \$50,000 for relief of the sufferers at Martinique. As "charity covers a multitude of sins," this good deed, when Parliament was in articulo mortis, must be allowed to atone for its wrong-doings actual and by neglect.

THE GREAT SHIPPING AMALGAMATION.

One of the largest of the modern combinations evolved by the able and active minds gyrating round the offices of J. P. Morgan & Co., of New York, and elsewhere, is that relating to the ocean shipping properties on both sides of the Atlantic. The ordinary capital is to consist of sixty millions of dollars, the preferred stock of sixty millions dollars 6 per cent., and fifty millions 4½ per cent. collateral trust debentures, these last payable in twenty years, but also redeemable at 105 after five years at the option of the corporation. The dividends on the ordinary stock are to be limited to 10 per cent., so long as any of the debentures are outstanding.

The properties are as follow: (1) The White Star Line, with capital of \$3,750,000, and the business of the owners, except the Asiatic Steam Navigation Co.—(2) The Dominion Line, so well known locally in Montreal, including the shares of the British and North

Atlantic Steam Navigation Company and the Mississippi and Dominion Steamship Company, and the business of Richard Mills & Co.—(3) The American Line, including the assets of the International Navigation Company.—(4) The Atlantic Transport Line.—and (5) 118,463 ordinary and 58,703 preference shares of Frederick Leyland & Co., 1900, Limited.

“The basis of valuation for the purchase price is in all cases, subject to minor adjustments, ten times the net profit earned in 1900. What chiefly concerns us is the method of payment. In the case of the White Star Line, Ismay, Imrie & Co., the Dominion Line, and Richard Mills & Co., it is to be 25 per cent. in cash and 75 per cent. in preferred stock at par, while each constituent is to receive in addition 37½ per cent. of the purchase price in common stock of the corporation at par. The American Line and the Atlantic Transport Line are to receive two-thirds in preference stock and one-third in common stock, together with a sum of \$15,844,000 in cash for new tonnage and indebtedness and further cash for interest. The ordinary and preference shares of Leyland & Co. are to be taken entirely in cash for a sum of \$11,736,000, but this leaves £815,000 preference shares and £500,000 4 per cent. debenture stock of the Leyland Company outstanding, and not included in the purchase price.

“It will thus be seen that the principal British companies are to receive only 25 per cent. in cash. That is the weak point of the operation. No doubt the owners of these companies are comparatively few in number, but few or many, they should insist that if the Americans desire to acquire their properties they should pay for them in cash. By accepting shares in the purchasing company they will be acquiring shares in a concern in the conduct of which they will have no voice, and which, under the accommodating statutes of the State of New Jersey, where it will probably be registered, can be manipulated at will by the persons in real control. The portion of the latter handed to the selling parties is, in regard to the greater part of it, to be handed back again, one of the stipulations being that “the various recipients of the purchasing corporation’s stocks are to provide \$2,500,000 in preferred and \$25,000,000 in common stock for the syndicate, which underwrites the \$50,000,000 of debentures.” Were the payment in cash to be insisted upon, it is very much open to question whether the deal could be carried through, for there is a certain amount of “bluff” used to force on these big combinations, and it is doubtful whether, despite the wealth of the organisers, they could at the moment command sufficient cash resources to purchase the properties outright and pay for them. It must be remembered that they already carry huge masses of securities, created in previous schemes on the other side, and that the New York money market received a shock last week which plainly disclosed the fact that the banks have advanced quite as much as is prudent on stocks subject to wide fluctuations in value, and could not be depended upon to aid on the formation of another big trust. Probably the syndicate has fairly well secured itself in advance on the basis of the proposed terms, but if any big amount of cash had to be raised it is extremely doubtful whether the public on either side would be induced to provide it. The independent shareholders, therefore, apparently still have it in their hands to break up the proposed combination, one of the conditions being that “unless 75 per cent. of the capital of the White Star and Dominion lines agree to join the

combination, the contract may be declared null and void.” It is undeniable that some amount of relief would be experienced in this country should such a result come about, though the statements as to the effect of the proposed scheme on British shipping interests have been greatly exaggerated. The British shipping industry is not in quite such a moribund condition as might be imagined from the language used in some quarters.”

Commenting on the matter, the Spectator of London also says:

“The purchased lines seem to have secured very favourable terms, but the shareholders bind themselves not to engage in the Atlantic trade for fourteen years. The terms say nothing as to the flag, or as to Government subsidies. In addition, the Morgan syndicate has made a ten-year agreement with Messrs. Harland & Wolff, the great Belfast shipbuilders, under which, except when work is very slack, they are only to build or repair for the syndicate or the German Hamburg-American Line. This agreement has caused a good deal of alarm, but it must not be forgotten that it practically ensures full work for the Belfast yard. The promise not to build for competitors is not necessarily injurious, as the Clyde and Newcastle yards can build as good steamers as Messrs. Harland & Wolff. It is, no doubt, natural that the whole transaction should have caused a great deal of annoyance here, and we do not profess not to share in that annoyance. Yet, after all, that annoyance will do little or no good. What the British people, however, and especially our shippers, ought to do, is not to let their energy evaporate in futile imprecations on Mr. Morgan, but to throw themselves with vigour into competing with and beating his Trust.”

CARNEGIE ON ECONOMICS.

Andrew Carnegie is a man of great versatility; like what Lady Blessington said about the diamond—that a man should resemble it in this respect—should shine—should be brilliant—on more than one side of him—he is not only a great manufacturer, a great organizer, a great benefactor, but he also excels as an author, especially on economic subjects. His occasional contributions to some of the leading English magazines during the last twenty years have been republished in book form, and doubtless will, and should, be found in every library of modern utility—to say nothing of those which he has so liberally endowed or helped to establish. Mr. Carnegie is a man of great activity; he is evidently one of those who believe in and practise the wise saw that, “Property has its duties as well as its rights.” He, accordingly, for some time past, has been writing a new work, just issued, entitled “The Empire of Business,” in which he deals with the inspiration of poverty, the advantages and disadvantages of wealth, the responsibilities and uses of the millionaire, the necessity of thrift, &c., &c. We make a few extracts which, however, afford not much greater idea of the work than a brick does as a sample of a house:

“The people of America can smile at the efforts of all her railway magnates and of all her manufacturers to defeat the economic laws by Trusts or combinations or pools or ‘differentials,’ or anything of like character. Only let them hold firmly to the doctrine of free competition. Keep the field open. Freedom for all to engage in railroad building when and where capital desires,

subject to conditions open to all. Freedom for all to engage in any branch of manufacturing under like conditions. There can be no permanent extortion of profit beyond the average return from capital, nor any monopoly, either in transportation or manufacturing. Any attempt to maintain either must end in failure, and failure ultimately disastrous just in proportion to the temporary success of the foolish effort. It is simply ridiculous for a party of men to meet in a room and attempt by passing resolutions to change the great laws which govern human affairs in the business world, and this, whether they be railway presidents, bankers or manufacturers. The fashion of Trusts has but a short season longer to run, and then some other equally vain device may be expected to appear when the next period of depression arrives; but there is not the slightest danger that serious injury can result to the sound principles of business from any or all of these movements. The only people who have reason to fear Trusts are those foolish enough to enter into them. The consumer and the transporter, not the manufacturer and the railway owner, are to reap the harvest."

As to whether the conditions of the present day are less favourable than formerly for a young man, who wishes—waits, and "knows how to wait" and work—to win a high place in business life, he declares:

"The young practical man of to-day working at the bench or counter, to whom the fair goddess, Fortune, has not yet beckoned, may be disposed to conclude that it is impossible to start business in this age. There is something in that. It is, no doubt, infinitely more difficult to start a new business of any kind to-day than it was. But it is only a difference in form, not in substance. It is infinitely easier for a young practical man of ability to obtain an interest in existing firms than it has ever been. The doors have not closed upon ability; on the contrary, they swing easier upon their hinges. Capital is not requisite. Family influence, as before, passes for nothing. Real ability, the capacity for doing things, never was so eagerly searched for as now, and never commanded such rewards.

"The law which concentrates the leading industries and commercial, mercantile and financial affairs in a few great factories or firms contains within itself another law not less imperious. These vast concerns cannot be successfully conducted by salaried employees. No great business of any kind can score an unusually brilliant and permanent success which is not in the hands of practical men pecuniarily interested in its results. It has been necessary for me to watch closely most of my life the operations of great establishments owned by hundreds of absent capitalists and conducted by salaried officers. Contrasted with these I believe that the partnership conducted by men vitally interested and owning the works will make satisfactory dividends when the corporation is embarrassed and scarcely knows upon which side the balance is to be at the end of a year's operations. The great dry goods houses that interest their most capable men in the profits of each department succeeded when those fail that endeavour to work with salaried-men only. Even in the managing our great hotels it is found wise to take into partnership the principal men. In every branch of business this law is at work, and concerns are prosperous, generally speaking, just in proportion as they succeed in interesting in the profits a larger and larger portion of their ablest workers. Co-operation in this form is fast coming in all great establishments. The manufacturing business

that does not have practical manufacturing partners had better supply the omission without delay, and probably the very men required are the bright young mechanics who have distinguished themselves while working for a few dollars per day or the youths from the polytechnic school."

Mr. Carnegie has acquired a large head-full of practical knowledge and he is willing to share it with him who reads. Such a man can have no incentive to labour at literature beyond the desire to better his fellow-men, and if he cannot furnish that indispensable characteristic for the successful—strong Will-Power—his suggestive lessons are ready for him who is equipped with that force, a gift which, like that which makes the poet, is born with the individual—is not acquired. "Poeta nascitur, non fit."

THE LATE MR. JOHN CASSILS.

On Wednesday last there passed away suddenly in this city, and in the vigour of little more than middle life, one who for upwards of a quarter of a century has been prominently identified with the business and manufacturing interests of Montreal and indeed of the whole of Canada. Mr. John Cassils, the deceased gentleman, was one of the elder brothers in a family, probably as well known and connected in business circles as the oldest among us. In his early years, connected as office-manager with the wholesale boot and shoe manufacturing house of Smith, Cochrane & Co., he made rapid headway, and in a few years after the retirement of Mr. Smith, was offered a partnership with the gentleman better known of late years as Senator Cochrane of Compton. He sold out in favour of his brother, Mr. Charles Cassils, son-in-law of the Senator, the firm's title thenceforward being known as Cochrane, Cassils & Co., Mr. John Cassils entering as partner the firm of Shaw Brothers & Co., leather manufacturers and importers, by which the latter firm assumed the title of Shaw, Cassils & Co., as at present. On the demise of the late Andrew Allan, Mr. Cassils was chosen to fill the vacant position of vice-president of the Merchants' Bank of Canada. He was also a director of the Guarantee Co. of North America, of the Dominion Express Co., the Windsor Hotel Co., the Royal Victoria Life, and was prominently connected with a number of business and social enterprises, in all of which he invariably proved himself a man of ability, of unflinching courtesy and urbanity. "Prince John" was a prime favourite, one who loved and served his friend, and few were better loved and esteemed in turn. It may be well said of him as we had occasion to quote of his eldest brother—

"None knew him but to love him;
No one named him but to praise."

The deceased gentleman's death throws a large connection into mourning among the leading Scottish, American and English families in Montreal and elsewhere, the Cassils of University street, the McIntyres of "Craigree," the Hodgsons, Albert Evans (son-in-law), the McIntyres of Peel street, the Maxwells and many others. The deceased leaves a widow, one son and two daughters, who with the other members of the family and connections have the condolences and sympathies of the community in their bereavement.

ADULTERATION AND SUBSTITUTES.

Those who have been anxious to prevent the sale of questionable foods, and to have framed and enforced laws to that end are at length seeing some reward, besides giving extra encouragement for existence to the masses of the people—those whose “short and simple annals” are made up largely of hope in the procuring of the necessaries of life, plain and unadulterated. The Pure Food laws recently framed are being enforced. When, a year or two ago, it was decided to prevent the further sale of adulterated coffees, spices, extracts, jams, jellies, etc., excepting under correct and plainly printed labels, which told the purchaser of the nature of the commodity being offered, the people in general, with the exception of those engaged in the manufacture of such goods, rejoiced, and in a very brief time all became acquainted with the distinguishing labels and brands of such goods as were likely to be so blended.

The passing of the Oleomargarine Bill in the United States a week or ten days ago, and its signing by the President, which will practically prohibit the sale of “butterine,” has, however, brought out objections from some sources known in the past to be loudly in favour of whatever constitutes the betterment of the great majority of the people. Some leading commercial papers in the United States have favoured the manufacture of this substitute and their reasoning reads very well, beyond the fact that their manner of explaining is, if not logical, at least highly amusing. Referring to the Bill our esteemed contemporary, the *New York Journal of Commerce*, says:—

The oleomargarine bill is so obviously designed to destroy one set of financial interests for the benefit of another set that we regret to see it confidently announced that the President will approve the bill. We are heartily in favour of all legislation hostile to unwholesome articles of food and drink. We cordially approve of legislation for the prevention of commercial frauds. No man is entitled to legal protection in selling an article that is injurious to health, or that is other than what it pretends to be. But if he sells an article for what it is, and it is not unwholesome, it is an act of oppression for the law-making power to destroy his business in order that another man, with whose merchandise the forbidden article is in competition, may have a larger trade and greater profits. Oleomargarine has now been a prominent article of commerce for many years. Every effort has been made by interested parties to prove it injurious to health or to discredit the process of manufacture, and without success. Chemically, it is butter and derived from the same natural sources as butter obtained by churning cream. It bears the same relation to dairy butter that artificial indigo bears to natural indigo. Oleomargarine is a kind of butter, it is palatable, it keeps particularly well, it is cheap, and to persons who are obliged to set their tables economically it is highly desirable. It is undoubtedly better than very much cheap dairy butter.

The pending bill is particularly offensive because it puts a prohibitory tax upon oleomargarine that is colored, while dairy butter is notoriously colored, and there is no discrimination against it. This coloring matter is unwholesome, not in the quantities in which it is used, but in unrestricted quantities, and that is the only sense in which a good many things are unwholesome. Several deaths and narrow escapes from death have been

reported in the case of farmers' children who got at the coloring matter which was to be used in farm butter. No restriction is placed upon the coloring of one kind of butter, but upon another kind there is to be imposed a tax of ten cents a pound if it is colored “to look like butter of any shade of yellow.” A law that forbade the use of any sort of coloring matter would be defensible, but a law which puts a heavy tax upon the coloring of one sort of butter while butter of another sort may be freely colored is a very different thing. This law is not only aimed at oleomargarine, but at adulterated or renovated butter, upon the dealers in which heavy taxes are to be imposed. The law should require these articles to be so marked that the buyer will know what he is paying for; if the articles are not unwholesome a law which is general, and not designed to benefit a particular class, will not attempt to interfere with its sale. It is no proper function of the law to make food expensive for the profit of its producers, or, more probably, those who control the sale of it.

When our contemporary points out that “oleomargarine bears the same relation to dairy butter as artificial indigo bears to natural indigo,” the writer appears to forget for the time that indigo, either natural or artificial, is not an article of food. If our contemporary's argument is right there is a like field awaiting the firms who can offer a mysteriously manufactured substitute for meat, potatoes, tea, or any other of the chief necessaries of the table. It is claimed by those who advocate the sale of oleomargarine that it is not only wholesome but that its necessity as an article of food is proven by the preference given it by the great majority of the labouring classes, who find it much cheaper than creamery butter. Those best prepared to speak on this are the men who have stood behind the grocery counters from year to year within the past decade in the chief centres of American industry, purchasing and selling the people's necessities. These people assert that a large proportion of the “butterine” sold was disposed of under the name of “Wisconsin creamery,” or equally evasive and misleading titles. True, a proportion of the oleomargarine is put up in wrapped pound packages, and the retailer is compelled, under fear of a fine, to stamp as “substitute,” or “butterine,” the outer wrapper before giving or sending to the purchaser. But the greater amount is sold in bulk, and, as in the sale of many other articles, the law is freely disregarded. Here is where the harm comes in. A customer for pure creamery butter may be given the “creamery butterine” by an unscrupulous dealer because there is double the profit. Even if he gets what he asks and pays for, the very fact of his knowing that a spurious imitation is being kept for sale disturbs his peace of mind, and he is not sure but that he is being imposed on; and being given to eat, as one customer expressed it, “probably some of the rendered remains of a horse that died on me couple weeks ago, and that was taken to the ‘yards.’”

Happily for the inhabitants of the Dominion, this substitute for pure butter has been kept out. When it comes to such a pass that the chief necessaries of life are being so adulterated and substituted by mysterious, blended commodities that the man who comes home from his hard day's work cannot know or tell what are the component parts of a single article comprising his frugal meal, and cannot tell but that any feeling of indisposition to which he may be subject has arisen from partaking of mysterious food substitutes, prepared chief-

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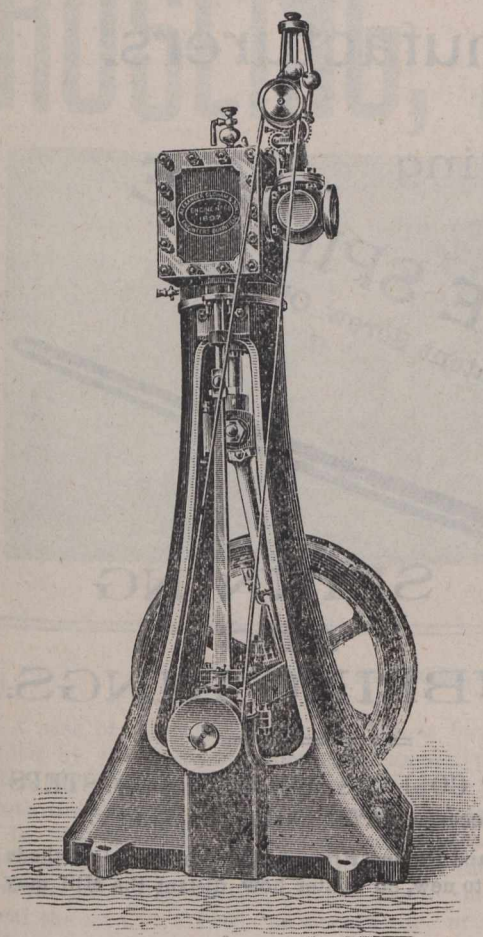
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ly with a view to profit, it is high time that laws against such manufacture should be enforced.

It is claimed by those favourable to the manufacture and sale of "butterine" that it does not injure the dairy butter industry; but that contention has been proven to be incorrect by recent events in Canada, where no such substitute is permitted. Since the passage of the heavy tax bill in the U.S. there has been a considerable demand from that country for Canadian dairy butter. If this continues it will either advance the price of butter here or increase its production, either of which will benefit the farming community. It will assist the latter class in the United States to an equal degree. Statesmen are loud in praise and advocacy of whatever measures will help the farmers, which is right. They are numbered by millions and are the chief sources of the country's wealth. In favouring oleomargarine production its advocates can, against these millions of producers, point to a half dozen manufacturing firms and their limited army of employees, whom, were they to suddenly cease manufacturing this questionable food substitute, would entail no loss on the community, further than that temporarily caused by an ordinary fire or failure. In a later edition of our New York contemporary is printed the following:

"A gentleman who is in the dairy butter business writes to us that the oleomargarine law, of which he naturally approves, is not "designed to destroy a financial interest," but to give "dairymen a fair opportunity to sell their butter in competition with oleo." They have a fair opportunity to do that now. Buyers of oleomargarine generally know what they are buying—

they ought always to know—and most people will pay several cents a pound more for the article our correspondent deals in than for butter produced by a different process. Our correspondent is able to sell dairy butter now; the purpose of the law is to make his business better by destroying the business of men who deal in a different sort of butter. A large part of the community must go without butter, or buy cheap butter, or inferior dairy butter. Oleomargarine is a cheap butter which is much better than inferior dairy butter, and it is no business of the United States, or the State of Missouri, or New York, to tell men that they must either buy dairy butter or go without butter when there is another kind of butter, palatable and not unwholesome. Because butter is sometimes yellow our correspondent thinks it is all right to impose on the buyer by coloring all butter yellow and deceiving him as to the season of the year when the butter was made, and the kind of fodder the cows had, but to color oleomargarine he thinks is highly reprehensible. We are in favour of one sort of law for all people; not one law for farmers and another law for other people."

Here we are told that oleomargarine is butter, only of a different kind. But how would it do for the grocer to tell that to his customers? True, the word butter may be used in a broad sense. For instance, "Worcester" defines it as: "Any substance resembling butter;" but this leads to countless illustrations, beyond the scope and intelligence of the masses who are looking for pure food.

As to the probable effect of the oleomargarine law, the Oil and Drug Review says: Now that the oleomargarine

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bill has been signed by the President and is a law, the question arises what will be its effect on the butterine industry of this country? How will it affect the demand for cottonseed oil, which enters largely into the composition of butterine? If the result expected by the friends of the bill is attained, the manufacture and sale of butterine will be impossible, for it is hardly within the bounds of reason to expect that an entirely white product would become popular, and, as for the artificially coloured article, the 10-cent tax imposed by the law is prohibitive. The problem now seems to be to make a butterine that shall have some shade of colour, without the use of artificial colouring matter. Can this be done? It is believed that it can.

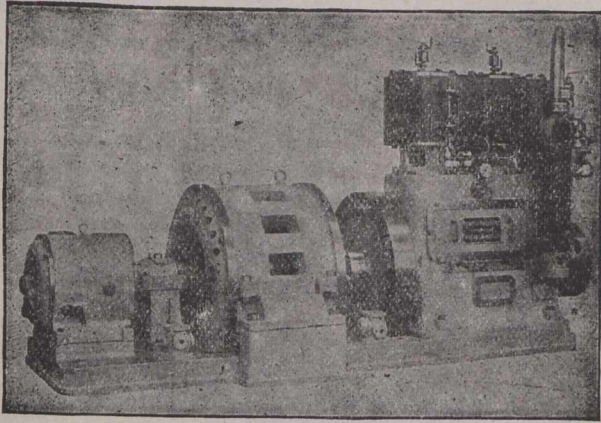
We learn that even now experiments on a large scale are being tried in Chicago for the purpose of ascertaining what can be done in the way of securing a coloured butterine by the use of no other colouring ingredient than cottonseed oil. That these experiments are destined to be successful is believed by persons well qualified to judge. Certain it is that no stone will be left unturned to accomplish this result. Heretofore, manufacturers of butterine have insisted on using none but the whitest of cottonseed oils, refusing to buy for their purpose that oil in its natural golden colour, which, however, is said to be an equally good oil for butterine making. Now, it is likely that the more golden the oil the better suited it will be to the manufacturer of but-

terine under the provisions of the new law. For, if it is found that this yellow oil will impart its colour to the finished product, be it ever so slight a tinge of yellow, it will be an invaluable discovery, enabling the manufacturer to turn out a product at once natural and healthful and entirely within the law as to artificial colouring, and yet having the appearance of butter. It is difficult to understand how, under the law just passed, a natural colouring of this kind could be adjudged a violation.

The language of the Act is as follows: "Any person that sells, vends or furnishes oleomargarine for the use and consumption of others, except to his own family table without compensation, who shall add to or mix with such oleomargarine any artificial colouration that causes it to look like butter of any shade or yellow, shall also be held to be a manufacturer of oleomargarine within the meaning of said Act, and subject to the provisions thereof." The colouring in imitation of butter must not be artificial, but may be natural. If butterine is made hereafter exactly as heretofore, except that artificial colouring is omitted and a different grade of cottonseed oil is used, which will give the product a yellow colour, it will be no violation of the law but will establish the butterine industry on a more enduring basis than ever before, with a natural colour of its own and a reduction of the tax to one-fourth of one cent per pound.

Telegrams: "MAGNETO," Bradford.

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CITY DEPOSIT PLEDGES.

A case of long-standing in the courts has just been decided by the Supreme Court of Canada, pronounced by Hon. Mr. Justice Girouard, which reverses the decision of both the Superior Court and the Court of Appeal.

In 1893 one John Coates, on behalf of tenderers John Coates & Co., a firm composed of himself and two nominal partners residing abroad, deposited with the city of Montreal the sum of \$15,000 "as a guarantee of the good faith of the tenderers and of the due fulfilment of their contract," as required by the specifications which form part of the contract. By this contract John Coates & Co. agreed with the city of Montreal to supply and furnish gas for lighting, cooking, heating or manufacturing purposes, to the public within the city of Montreal "during a period of ten years to be computed from the first of May, 1895," at a price not to exceed one dollar per each thousand feet, subject to a rebate of 5 per cent. for prompt payment. The contract was signed by the city of Montreal and the said firm, acting through John Coates, on the 22nd day of December, 1893. It was stipulated that the city will not be liable for the gas supplied to the consumers "over and above the amounts to become due for gas furnished for the use of the buildings belonging to the city." It was finally agreed that "the present contract does not apply to street lamps."

In January, 1894, John Coates & Co. sold their contract, franchises, works, plant, mains and pipes to the Consumers' Gas Company (organized and controlled by Mr. Coates), who undertook to discharge and execute the liabilities and obligations of the said John Coates & Co. It is established that both John Coates & Co. and the Consumers' did considerable work in the erection of gas works at Cote St. Paul, and the laying of mains and pipes, principally in some of the outside municipalities, where they had secured similar franchises and privileges. As early as March, 1894, the Consumers' were supplying gas in the western parts of Montreal at one dollar, the price named in the concession, less five per cent. for prompt payment. But, adds Mr. Coates, examined on behalf of the defendant, "as we came to each street that we supplied gas, the Montreal Gas Company reduced their price to the citizens in that street only, where we had our pipes and were supplying gas. As soon as this was done, many of the consumers who had promised to take gas from our company went back on their promise rather than have their grounds disturbed in front of the house, saying that they could get it now at the same price from the old company. This was one of the factors that discouraged my directors from pursuing competition."

This unforeseen result induced Mr. Coates and his friends to sell out to the Montreal Gas Company, especial-

ly the works erected at Cote St. Paul and everything connected with them, for \$347 432, paid in par value shares of the Montreal Gas Company, which at the time commanded a very high premium and permitted the shareholders of the Consumers' to get their capital back and 15 per cent. profit.

* * * * *

The Montreal Gas Co. took possession and control of the whole gas system of the Consumers', so far as completed, on the 22nd September, 1894, even using some of the pipes laid within Montreal, and abandoning others, and continued to charge the old rate to Montreal consumers, a course they could very well follow till the 1st of May, 1895, when their old franchise with the city of Montreal was terminated.

The whole summer of 1895 was spent in negotiations between the city and the Montreal Gas Company. At the same time, on the 11th of June, 1895, the city protested John Coates & Co., and requested them "to immediately fulfil their obligations resulting from the said agreement and to furnish gas to the public of the city of Montreal as they are bound by virtue of the said agreement; failing which the city of Montreal aforesaid shall take all steps and proceedings as it may think fit to protect its interest, shall forfeit the money deposited by the said John Coates & Co., as a security for the fulfilment of the said obligations, and shall take all other recourse for damages as of right against the said John Coates & Co."

John Coates & Co. took no notice of this protest.

The negotiations with the Montreal Gas Company came to an end on the 15th day of November, 1895, when a new contract was entered into. The Montreal Gas Company agreed to supply all the gas required within the city for ten years to be computed from the 1st of May, 1895: 1st, "All the gas lamps and the gas therefor that the said city of Montreal may require during the existence of the present contract for lighting the streets, lamps and public places of the said city, at the rate of seventeen dollars per lamp per year," and 2ndly, "gas for lighting, heating, cooking, and manufacturing purposes to the public. . . . at a price which shall not exceed one dollar and twenty cents per each thousand cubic feet for lighting purposes. . . . and of one dollar. . . . for cooking, heating, and manufacturing purposes on prompt payment." Then special concessions are provided for in favor of the poorer class, under limitations.

Judge Girouard held that the confiscation was certainly not authorized expressly or implicitly, either by the terms of the contract or by those of the specifications or tender. As to the question of damages, the direct supply to the city itself costs less with the Montreal Gas Company, and supposing the individual citizens to have suffered, it was for each of them personally, and not for the city as a cor-

Telegraphic Address: "UNION," St. Helens.

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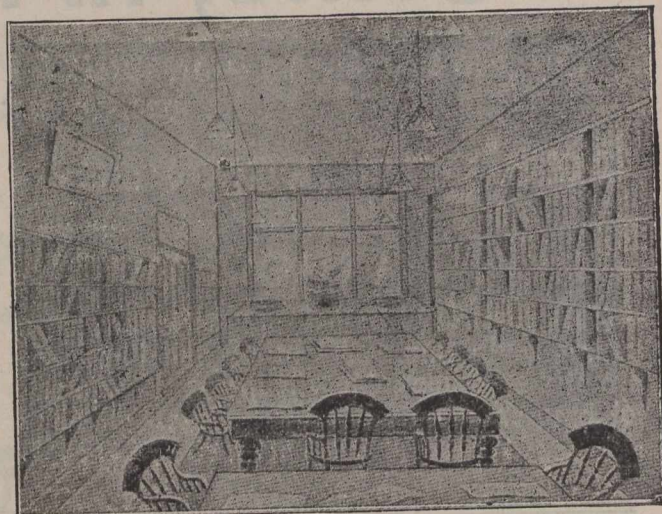
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poration, to claim on that ground. The learned judge further held that any alleged damages caused by the Coates pipes in the streets were only recoverable by means of a direct action.

Referring to clause 1975 of the Civil Code, invoked by the city, and which enacts that the "debtor cannot claim the restitution of the thing given in pledge, until he has wholly paid in the debt in principal, interest and costs, unless the thing is abused by the creditor," Judge Girouard declared that no greater abuse of a money deposit or pledge made as a guarantee or security can be made than the appropriation of the same to his own use by the pledgee? If he was not called upon to hold it in a savings bank at interest, at least he was bound to keep it apart and take care of it, en bon pere de famille; he cannot use the same and especially resort to confiscation, without a special stipulation to that effect. This confiscation was a gross abuse of the thing pledged. It is no answer to say that the city of Montreal, at all times, is able to produce its equivalent. The law makes no distinction between the rich pledgee and the poor one. It declares generally that the pledgee cannot abuse the thing pledged. Appropriation affords the clearest evidence of abuse within the meaning of Article 1975 of the Civil Code.

The judgment concluded as follows: "The respondents may perhaps recover certain damages in action properly instituted—a point upon which we do not intend to offer any opinion—but they cannot retain the deposit. The debt may not be extinguished, but the security is gone by the act of the creditor, and the debtor is entitled to its restitution. For these reasons we are of opinion that the appeal should be allowed with costs. The respondents are condemned to pay to the appellant the sum of \$15,000, with interest from the 8th day of June, 1896, date of the institution of this action, which is the only interest asked, and costs before all the courts," a lesson which the city of Montreal may well ponder on, as one likely to be of no trifling value later on.

—The contract has been awarded for the erection of the new sub-postoffice to be built at the corner of Queen and Abel streets, Toronto. The cost of the structure, including the site, will be \$35,000.

AGRICULTURAL IMPLEMENT MANUFACTURE.

With the knowledge pretty generally diffused through the Western States that the Canadian North-West was beginning to be heard from as a wheat-producing country, it did not take the leading agricultural implement manufacturers over there very long to see where a wider field might be secured for their profitable output; and thus we hear of branch factories as about to be located at Hamilton, and other favorable points in Canada. Treating of the matter a Chicago writer says:

Two of the leading thresher manufacturing concerns of the United States have joined in purchasing an established Canadian plant and formed a company to manufacture threshing machinery on Canadian soil and extend the trade throughout the Dominion, which now promises so great a development in agriculture. A few weeks ago announcement was made that another leading American thresher company would soon establish a plant in Canada and rumors of large harvesting concerns planning to build branch factories over the line, while they have not been officially confirmed, have not been officially denied.

For a number of years past American manufacturers have at intervals considered propositions looking toward the building of branch factories on Canadian soil. During these years the hope has been entertained that the high tariff imposed on agricultural implements imported into Canada would be modified. Then, too, the trade has steadily grown in spite of the tariff, a high tribute to the integrity of American machines. For these reasons none of the projects has taken shape until recently. The probability of tariff reductions is as remote as ever and in recent years a disposition has been shown to further handicap the trade efforts of American manufacturers by increasing custom house valuations until the latter now equal the full wholesale price. The immense sums annually paid in duty by American manufacturers doing an extensive business in Canada would be saved by those who establish branch factories in that country, while the combination of American machines and Canadian manufacture would give them a prestige of incalculable value in extending their trade throughout a land of wonderful promise.

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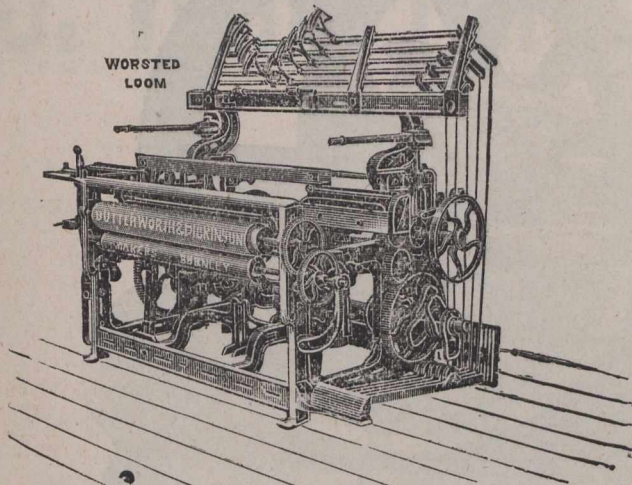
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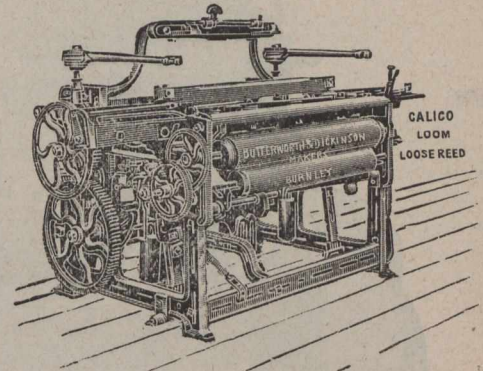
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British North America imported more agricultural implements from the United States last year than any other country or statistical division save one, the exception being Europe, outside of France, Germany, and the United Kingdom. Nearly \$3,000,000 worth of American machines were shipped to British North America in 1901. Harvesters and threshing machines constituted the bulk of this trade. With a business of this large volume obtained in spite of the tariff handicap the manufacturers surely have reason to believe that by producing machines on Canadian soil, thus escaping the import tax, they will place themselves in a position to secure a still greater share of the trade.

But, perhaps, it is not only relief from the Canadian tariff and the extension of trade in British North America that is sought by the manufacturers. As Canadian manufacturers they would participate in the benefits of trade arrangements and preferential tariffs, which now, because of the workings of our tariff and the absence of reciprocity treaties, are denied them. Their Canadian products would be received in several important agricultural countries in more favorable terms than will ever be accorded American-made machinery until our tariff schedules are modified by reciprocity treaties or otherwise. It need surprise none if the present movement becomes one of extensive proportions.

FLAX RAISING IN MANITOBA.

As the Western country becomes better settled the soil in various parts will be found adapted to grains and roots as yet but little known or grown West of the lake region. The Manitoba Department of Agriculture has compiled information bearing on the cultivation of flax in that Province which will be of much benefit to agriculturists while showing the chances for success which lie in the path of the new settler on the prairie lands.

The enormous crop of flax grown last year by the farmers of North Dakota and Minnesota, and the fact, so widely advertised that these two States are growing more flaxseed than all the rest of the United States, has led a great many farmers in Manitoba to take more interest in this

grain as a general farm crop. As a result inquiries have been numerous on the subject of flax growing, its methods, effect on the soil and probable profits.

Flax is no new crop in Manitoba. In the southern part of the Province and especially in the municipalities of Rhineland and Stanley, the Mennonite farmers have made a specialty of this crop for years and their English speaking neighbors have not been slow to follow their example. In other parts of the Province a small field of flax may here and there be seen. The total area devoted to this crop from year to year has not been much in excess of 20,000 acres.

The demand for flax seed is equally constant with the demand for other grains. Canada is now and has been an importer of linseed oil, both in the raw state and manufactured into paint. This demand is bound to increase from year to year. The oil is a staple product and with the development of our cattle-breeding industry, the demand for oil-cake and oil-meal will increase in the same proportion, as these feeds are as much of a necessity to the feeder as are bran and shorts. In Manitoba the quantity of these used is, at present, comparatively small owing to the abundance of pasture and coarse grains. As settlement becomes denser and pasture consequently more valuable, larger quantities of concentrated foods will be required and our farmers will have a home market for these important by-products of the flax crop.

An important advantage claimed for flax is that it can be grown successfully on new breaking. It is a common belief that flax is very exhausting to the fertility of the soil. Experiments and chemical analysis on soils before and after flax and wheat crops seem to demonstrate that this prejudice is unfounded. At the North Dakota experiment station a great deal of study has been given to this question, and Prof. Sheppard states his opinion, as a result of these investigations, that flax has no more injurious effect upon succeeding crops of other grains than wheat has. This is equally true of all grain crops. He also gives it as his opinion that a better crop of wheat can be secured after flax than after wheat.

Like all small grains, flax does best upon rich land which has been previously fallowed or which has produced a cultivated crop the year before. It is a mistake to sow flax on land which has weeds started upon it. Flax is a poor

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

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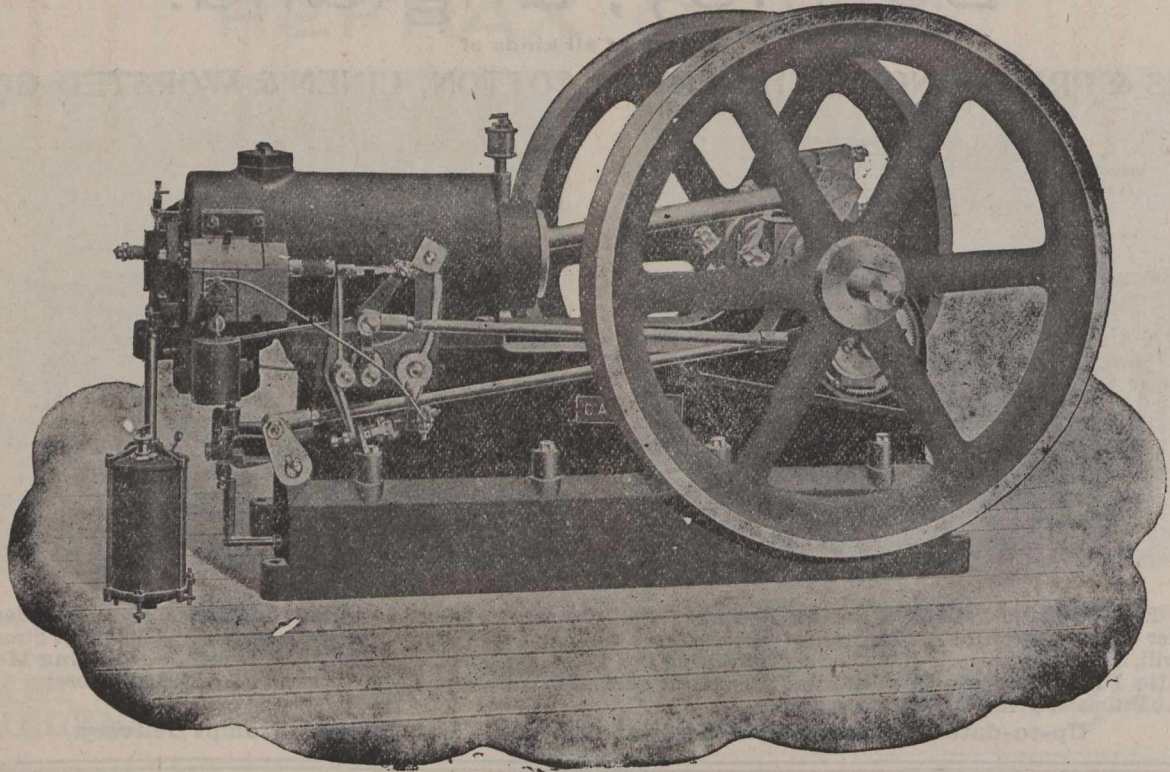


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weed fighter, and to allow the weeds a week or two the start of it in growth handicaps it heavily. The ground should, therefore, be put in the best possible condition. The depth to sow depends to a certain extent on the condition of the soil. Sowing flax too deep is a common cause of trouble. The flax seed is small and consequently is not able to reach the surface when planted more than three inches deep. With the soil in prime condition two to two and one half inches is about right. The nearer the surface that the seed can be placed and still secure the requisite moisture, the better the results.

Two pecks of seed per acre will usually prove about the right amount. In good growing weather a less quantity might be better, but if the weather and soil conditions are somewhat unfavorable a little more than the above amount would be advisable. Seeding should be done late enough that the young plant will not be cut off by the late frosts. After the plant has a number of leaves there is no danger from this source. While it has only the two seed leaves, the frost is likely to kill it. The crop requires a comparatively short time to mature and will usually ripen in good season when sown late in May or even in June.

crop are awaited with considerable interest. Stocks of this season's production are small and little business can be transacted on present supplies in the primary markets. Cable reports from Shanghai are to the effect that the new crop will be smaller than last year's. Contracts are being made well ahead, filatures being held at high prices. A leading firm in the trade says: Prices for the raw material are not only well maintained but show an upward tendency, although there has been somewhat less activity this week, transactions being restricted by the disturbances arising from the dyers' strike, which still continues. On the other hand, the firm tone of the primary markets has, if anything, increased, owing to unfavorable weather conditions reigning in the silk raising districts of Europe. Reelers show great reluctance to sell what little they have still left of this season's production, whilst the buying of old and new cocoons is becoming more animated on the basis of 3.60 lire to 3.75 finito for good parcels, or 3.50 lire to 3.60 fisso, with 50 to 60 centimes premium. In Lyons the market remains unchanged, with very poor stocks and manufacturers little covered. Prices are very firm and it is considered very probable that the new silk will cost dearer than present quotations. The figures to hand from the principal European silk conditioning works for the first four months of the year, January to April, continue to show a marked increase of activity as compared with the same period of last year, viz:

RAW SILK MARKET.

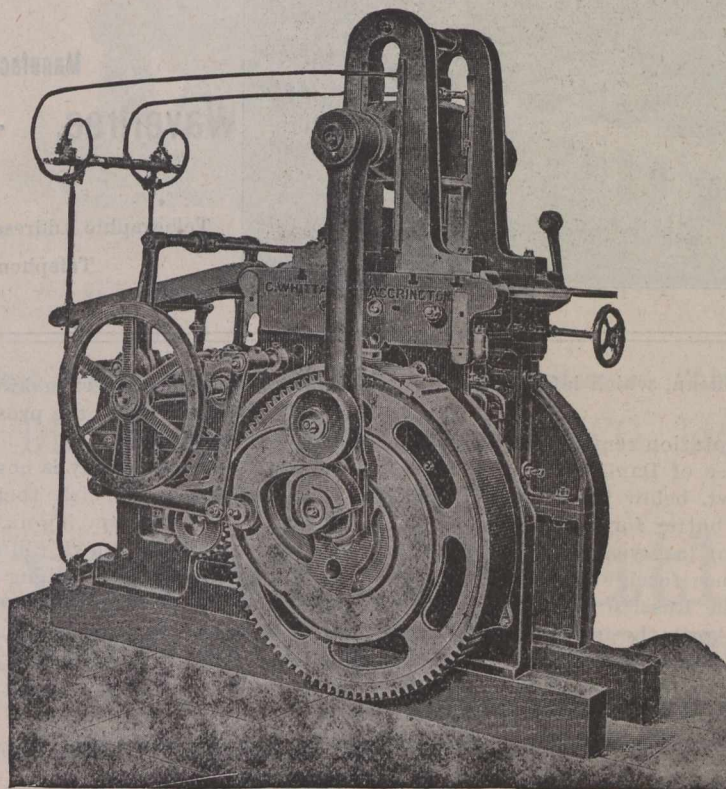
Business in raw silk has shown somewhat less activity recently, but notwithstanding this prices are well maintained and continue to show an upward tendency. Trouble with the dyers at the Paterson, N.J., mills has acted as a handicap to any large transactions, buyers refusing to place contracts for future deliveries. There is not much visible stock in the market and firms having stock are holding it very firmly. Advices relating to the new

	1902,	1901.
	Kilos.	Kilos.
Milan	3,342,325	2,756,760
Basle	199,385	184,222
Crefeld	220,146	210,342
Elberfeld	169,333	163,124
	3,931,189	3,134,448

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

As regards the Asiatic markets telegraphic reports received this week from Shanghai confirm that the new crop will be smaller than last year's. The stocks of tsatlee filatures are now almost exhausted and there is little business doing in consequence. On the other hand, steam filatures in new season's silk are already engaged for very far ahead and are held at very high prices. Statistics to hand for this week give shipments to Europe as 600 bales of white silk; to America, 425 bales; stock, 1,100 bales. The Yokohama market has remained unchanged and featureless, with poorly assorted stocks. The Canton market is reported very sensitive and sellers reluctant. The least stir is likely to send prices up. Stocks of the lower grade are exhausted and supplies coming in slowly. Shipments for the week are given as 400 bales to Europe and 25 bales to America, leaving stocks at 600 bales. Cable advices received from the various raw silk centres are as follows:—Milan, May 13.—The weather is unfavorable. Holders are raising their demands. Market animated and prices tending upward. Classical, 47 lire; No. 1, 45½ lire; No. 2, 44 lire.—Lyons, May 12.—Crop reports in Europe less favorable. Market with more demand; prices very firm. Piedmont extra, 50 fcs.—Shanghai, May 13.—The crop is expected smaller than last year's. Market quiet; prices very firm. Tsatlee fil. Bridge and Cloud extra, 1 and 2, 610 taels. Exchange has declined to 2s 4d.—Canton, May 14.—Market more active and prices higher. Filature extra A, first crop silk, 915 M.D.; filature Koun King, 850 M.D. The quality of the first crop is good.—Milan, May 15.—Market animated and prices ris-

ing. Classical Piedmont, 48 lire. Gold, 101.90.—The following are the comparative prices for raw silk in Italy on May 15 (about): Classical—1902, 47 lire; 1901, 45 lire; 1900, 56 lire; 1899, 57 lire. Best No. 1—1902, 45½ lire; 1901, 43 lire; 1900, 54 lire; 1899, 55 lire. Best No. 2—1902, 44 lire; 1901, 41 lire; 1900, 52 lire; 1899, 53 lire.

DAIRY PRODUCE.

A private London circular, date 9th inst., treating of the dairy produce situation, says: Butter.—The temperature in the United Kingdom has become colder and showers of snow, hail and rain are common in most parts. This type of weather is usual in spring, although the present temperature appears below the average. The shortage of rain during April has added to the deficiency for 1902, and unless heavy downpours occur soon the situation will become serious. The stocks of New Zealand butter on the market have been exhausted at last week's prices. The Gothic arrived yesterday with about 6,800 boxes of butter, which are meeting a ready sale at 102s to 104s for choicest brands and 96s to 100s for finest. The Wakanui is due on May 21st with about 2,000 boxes of butter, and that will close the New Zealand season. Canadian butter is now coming forward and will be the only Colonial butter on our markets until next September or October. The arrivals last week from Canada were 555 cwt. The next

ESTABLISHED 1848.

M. WOODWARD & SONS, Ltd.,

WHOLESALE & EXPORT

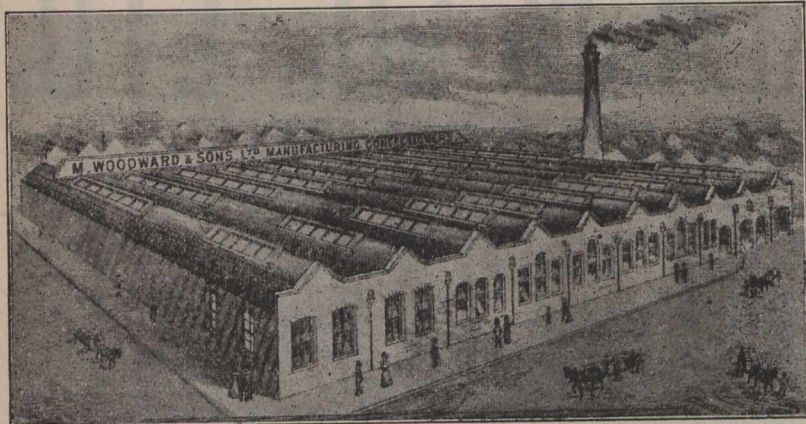
Manufacturing Confectioners,

Manufactory and Office :

Wavertree, - Liverpool, Eng.

Telegraphic Address: "TOXTETH, Liverpool."

Telephone 44, Wavertree.



boat to arrive is the Montevidean, which left Montreal on 4th May.

The Copenhagen Official Quotation remains unchanged at 90 kroner, although the prices of Danish in the North of England are about 2s per cwt. below those of last week. The imports of all classes of butter for the month of April were 38,623 cwts. in excess of last year, of this quantity 3,211 were Colonial, the balance foreign. The Danish increase was 9,478 cwts. and the Russian 27,906 cwts. For the four months ended 30th April, the imports were 14,210 cwts. in excess of last year. Colonial showed a deficiency of 67,071 cwts., Danish an excess of 55,693 cwts., and Russia an excess of 47,134 cwts. It is interesting to note the progress Russian imports are making, which is seen in the following table:

	Jan.	Feb.	Mar.	April.	Total.
	cwts.	cwts.	cwts.	cwts.	cwts.
1902.. . . .	11,205	16,088	24,228	54,350	105,871
1901.. . . .	7,143	9,254	15,896	26,440	58,737
	4,062	6,834	8,332	27,910	47,134

Cheese.—There is a fair demand for Canadian cheese, and values have advanced 1s per cwt. on the week, choicest white is making 61s per cwt., and coloured 62s. Finest quality makes 58s to 60s, but there is very little of this grade to be had. New Zealand cheese has shared in the advance and choicest quality now makes 59s to 60s; finest realizes 56s to 57s. Corresponding week, 1901, Canadian choicest was quoted at 47s to 49s, and finest at 44s to 46s.

ALUMINUM.

C. T. Christie & Co. of this city, who are agents for aluminum goods, give the following particulars in a recent circular: The aluminum production of the world for the year 1890 was 160 tons, and for the year 1900 it was 8,000 tons. The output for 1901 may be estimated at about 15,000 tons, the United States alone producing considerably more than one half. In 1902 Canada entered the list of producing countries with a plant of 5,000 horse-power, and will add from 1,000 to 2,000 tons annually to the world's output. These figures show that the aluminum industry has made rapid progress during the last few years, and emphasize the important position the metal has assumed. There are now only three metals cheaper than aluminum. If it is desired to manufacture a given object or metal, it can be made cheaper in aluminum than in anything else, excepting iron, lead and zinc. Aluminum is now used all over the world and every imaginable article is made of it. Aluminum castings are now used largely instead of brass castings; the metal is also extensively used as electrical conductors, for

galvanizing, and in steel making. The trade in Canada is rapidly increasing and the prospects this year are brighter than they ever were.

The Canadian company is now fully equipped, established and prepared to furnish their manufactures in various forms, viz.: Aluminum ingots, square bars, angles, beams, and hexagon bars. Drawn rod and wire from No 0000 to 22 B. & S. gauge, seamless tubing from ¼ in. to 2 in. diameter. Hard and soft rolled sheets of all gauges from No. 0000 to 42 B. & S.

OIL AS FUEL.

It is an interesting coincidence, says a Philadelphia letter, that just as the strike of the anthracite miners has begun, and one is threatened by the bituminous coal workers, there was launched from the Camden yard of the New York Shipbuilding Company an oil-burning steamship, the pioneer of a large number of vessels to follow, which will be entirely independent of coal as a fuel. The new boat is the Nebraskan, built for the American-Hawaiian Steamship Company. The Nebraskan's run when she goes into service, will be the longest on record, at least 14,000 miles, as she is designed especially to trade between Philadelphia, New York, San Francisco and the Hawaiian Islands. Her machinery, which is adapted for the use of both oil and coal, is ready to be put in the vessel as soon as she is afloat. It is of such a complete character that the change can be made from oil to coal, and the reverse, in ten minutes.

All of the big steamships owned by the American-Hawaiian Line are to be converted into oil-burners, the company after a thorough investigation having come to the conclusion that oil as fuel will be equally as good as coal and only half as expensive. These steamships are the largest of their kind in the world, and, owing to the great distance of their runs, their success as users of oil will leave no doubt as to its value as a substitute for coal. The steamship Nevada, of the same line, which left the New York Shipbuilding Company's plant several weeks ago for the Pacific, will return to Philadelphia, using California fuel oil.

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

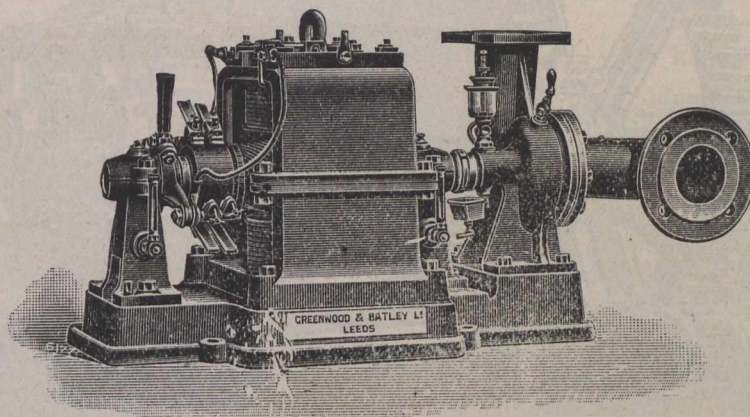
Machines in use, 2402

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.



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

No. 6771. ELECTRIC MOTORPUMP. TYPE A. M. P. 2.

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,

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

WRITS ISSUED—ONTARIO.

Agawa—Paine Lumber Co. vs W. P. Cook & Bro., \$13,800; Enniskillen Tp.—Elizth. A. Terry vs Edwin Terry, \$2,100; Ottawa—Davidson & Thackray vs S. W. Hare et al, \$690; A. J. Macnab vs Harriet B. and W. Powers, \$624; Toronto—City of Toronto vs J. A. Berridge et al, \$746; T. P. Whitham vs Rose J. Oldfield, \$334; A. G. Monro vs A. M. Orpen, \$10,000 damages; Walkerton—Bank of Commerce vs Watson Button, \$306; Hamilton—Bank of Hamilton vs J. G. McIlwraith, \$5,151; Nepean Tp.—Metropolitan Loan & Sav. Co. vs Isabella McTiernan, \$11,821; Ottawa—J. Ward & Co. vs S. E. Delaronde, \$381; Southampton—M. Knott vs Arthur Brooks et al, \$333; Stratford—J. J. Conacher vs C. E. Fotton, \$1,000 damages; Toronto—Might Directories vs G. J. Bryan and Carswell & Co., Ltd., \$1,000; W. R. Colling vs E. F. Glassco, \$550; K. Hurley vs G. S. Ransom and J. J. McKittrick, et al, \$1,842; R. Davis vs Richard and Jennie Stone et al, \$4,502; C. Vanzant vs V. E. Vanzant, \$612; York Tp.—R. Davis vs Vincent and Agnes Hallatt, \$13,680;—Williams & Wilson vs W. J. Hill, \$403.

WRITS ISSUED—MANITOBA & N.W.T.

Winnipeg—Neil Keith, \$346.

WRITS ISSUED—BRITISH COLUMBIA

Victoria—B. C. Cold Storage and Ice Works, \$366; Vancouver—Mining & Milling Co. of Cariboo, Ltd., \$450, \$614, \$327, \$322, \$12,817.

JUDGMENTS RENDERED—ONTARIO.

Blyth—Waterous Engine Works Co. agt Elam Livingston, \$788; Toronto—J. R. Baines agt J. H. Hanmill Co., Ltd., \$332; Brockville—M. Casselman agt Roland Healey, \$650; Hay Tp.—J. L. Cassidy Co. agt N. M. and Josephine Cantin, et al, \$364; Mount Forest—J. McPherson Co. agt O. B. Koenig, \$568; St. Catharines—Imperial Bank agt C. G. McDermott, \$466.

JUDGMENTS RENDERED—QUEBEC.

Montreal—De. Dina Henault agt C. J. Beland, \$485; S. G. Waldron et al agt W. H. Christmas, \$224; Standard Life Ins. Co. agt J. L. Comte, \$18,450; Canada Life Ins. Co. agt R. A. Waite, \$502; Westmount—F. Chaley agt Andraes Warnecke et al, \$664; Montreal—De. Anna Payan et vir agt J. G. A. Brossard, \$714.

JUDGMENTS RENDERED—NOVA SCOTIA.

New Glasgow—D. R. Cameron, \$393.

JUDGMENTS RENDERED—P.E.I

Charlottetown—T. J. Harris, \$2,503; Summerside—J. C. Wright, \$1,310, \$1,076, \$926.

EXECUTIONS—QUEBEC.

Montreal—E. H. Godin agt A. A. Charlebois, \$936; The King agt P. Murphy, \$416; The King agt P. Murphy, \$416; The King agt P. Murphy, \$422; St. Louis—The King agt R. Wiseman et al, \$416; The King agt R. Wiseman et al \$416; The King agt R. Wiseman et al, \$422; The King agt R. Wiseman et al, \$422; Montreal—J. Brown agt C. N. Armstrong, et al, \$841; G. Bonin agt De. C. E. Bronsdon, \$347; P. Gravel et al agt Philius Dage-

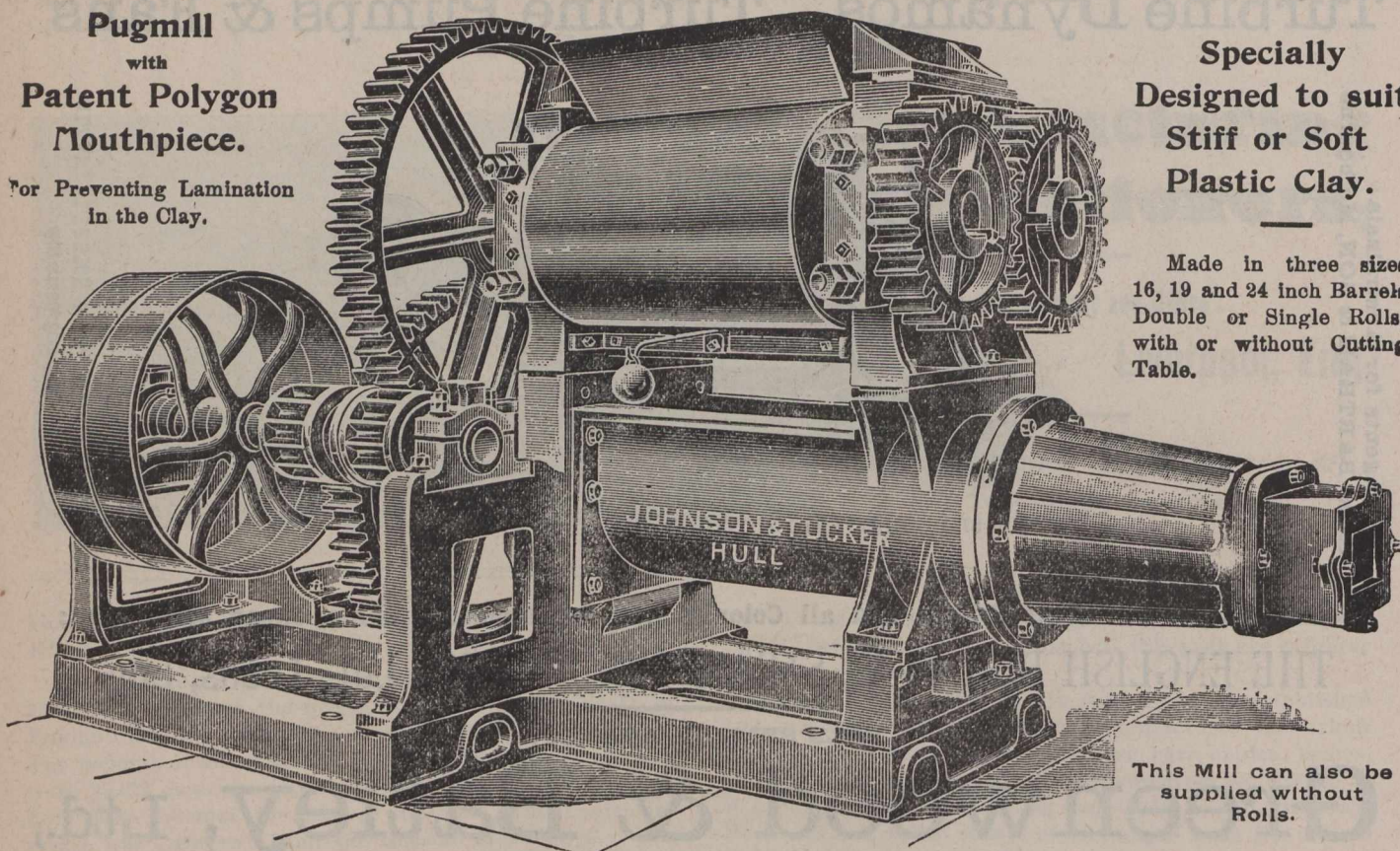
Johnson & Tucker

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.

nais, \$253; De. Mary Howard et vir agt De. Mary Lacey et vir, \$439.

CHATTEL MORTGAGES—ONTARIO.

Burford Tp.—F. C. Barker and wife to G. W. E. Taylor, \$1,882; East Toronto—C. N. Gates to L. Reinhardt, \$1,500; C. N. Gates, to L. Reinhardt, \$1,500; Galt—C. E. Knowles to Margt. Gibb, \$1,150; Hamilton—Henry Hogben to H. B. Whitton, \$1,062; Henry Hogben to Grant Spring Brewery Co., \$3,181; Washington & O'Brien to J. Gompf, \$2,655; Monteith Tp.—Wm. McKelvey to F. McDougall et al, \$675; North Bay—Parent Bros. to H. Vivian, \$1,804; Ottawa—Mrs. M. C. Bell to W. R. Bell, \$703; Geo. Washington to G. W. Seguin, \$1,521; Sault Ste. Marie—A. V. Bassingthwaighte to Knechtel Furniture Co., \$3,864; Spence Tp.—Geo. Roy et al to J. Abell Machine Co., \$1,440; Toronto—Francis Fletcher to C. A. Campbell, \$850; P. J. Haffey to T. B. Taylor, \$6,289; John Hunter to J. Mandleberg & Co., \$1,500; John Hunter to J. Mandleberg & Co., \$1,162; Wm. Irving to F. J. Weston & Sons, 858; Walkerton—Patrick Cummins to Randall & Roos, \$1,393; Barton—Daniel Cotter to D. Sullivan, \$927; Chatham—Chas. R. Atkinson, to C. R. Atkinson, \$1,000; Clappison's Corners—Partick Greer to H. Kuntz, \$700; Guelph—D. J. Kenny to Mary A. Hall, \$2,113; Hamilton—T. E. Kirk to H. Kuntz, \$3,500; G. E. and J. H. Morrison to H. B. Witton, \$1,000; G. E. and J. H. Morrison to A. Patterson, \$3,000; G. E. and J. H. Morrison to Grant Spring Brewery Co., \$3,000; Kingston—J. C. Swain to J. M. Caines, \$761; London—F. L. Wood and wife to W. H. Chittick, \$800; Peterboro—Arthur and Rose Rountree to T. Rountree, \$1,064; St. Catharines—Mary J. Robins to May Faulkner, \$600; Streetsville—J. F. Noble to Ann Noble, \$800; Toronto—Mrs. E. F. Storey to J. Loudon, \$700.

CHATTEL MORTGAGES—MANITOBA & N.W.T.

Altona—O. & M. Gaube, \$2,050.

CHATTEL MORTGAGES—BRITISH COLUMBIA.

Victoria—Jackson & McDonell, \$8,173.

BILLS OF SALE—ONTARIO.

Collingwood—T. B. Bruce to F. Crompton, \$730; Mattawa—R. H. Niheuson to Isaac Kert, \$808; Simcoe—L. J. Potts to S. Culver, \$3,000; Fort William—Carpenter & Co. to Hammermill Paper Co., \$1,500.

BILLS OF SALE—NEW BRUNSWICK.

Campbellton—Bourgeois & Lavoie, \$1,000.

—Referring to the activity in the lumber trade on the Pacific, a resident of Vancouver, B.C., in Montreal this week stated that never in the history of British Columbia has there been as active a business as is now taking place in and around Vancouver. "Of course," he said, "the boom is now only fairly started, but it is already an assured fact that it will have very beneficial results throughout the entire Province. Everybody wants to go in for shingle manufacturing, and, notwithstanding the fact that the aggregate capacity of the mills along the coast has been more than doubled during the last six months, the demand is still far in excess of the supply. If much interest in our doings is taken in this part of the country, I might say that over a dozen new shingle mills have recently been erected in the vicinity of Vancouver, and twenty others in different parts of the Province. Probably the largest shingle mill in the world has just been completed by Mr. J. A. McNair, a well known business man of Vancouver. It contains twenty shingle machines, each having a daily capacity of nearly thirty-five thousand shingles. The wonderful capacity of this mill may be better appreciated when it is considered that the ordinary mill in the country has from three to five machines. Another company is equipping a mill with twelve machines and these two establishments alone will manufacture as many shingles as formerly supplied by all the other mills in the Province. Last year the total output was estimated at 800,000,000 shingles, two-thirds of which are sent into the United

IDDON BROTHERS,

INDIA RUBBER
ENGINEERS,

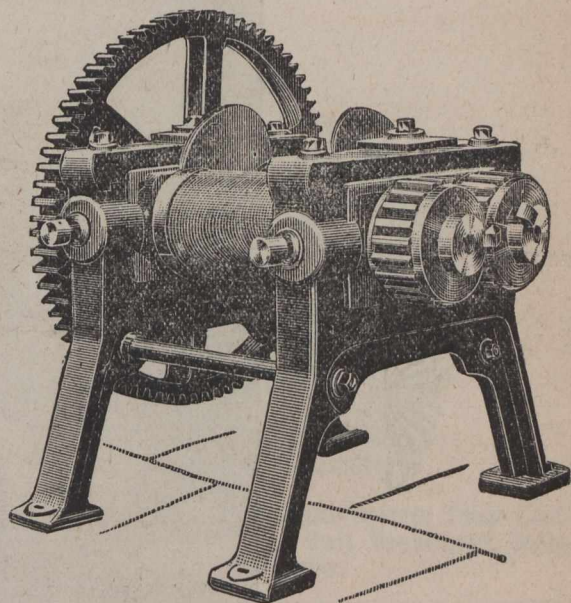
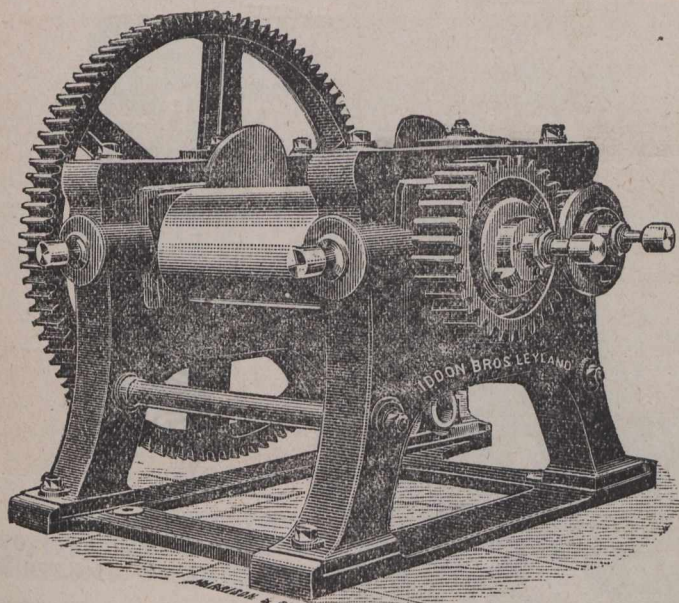
Brookfield Iron Works,

Leyland, ^{near} PRESTON, England.

ENGINEERS and
RUBBER MACHINISTS,

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

Specialities: — All kinds of Rubber Machinery.



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

States. There is a duty of thirty cents per thousand on those manufactured in Canada, which proves that they must be much superior to those turned out in the mills of Washington and Oregon. It is bound to bring lots of money into the country. Then again the action of the provincial legislature in prohibiting the exportation of cedar logs from leased government lands, has also resulted in quite an increase in the cedar industry. In a word, there is lots of lumber in the country, and a big market has now been secured for it in its different conditions.

—The British Foreign Office has received a report from the British consul at Guatemala on machinery made in and imported into Guatemala for agricultural purposes, which says in part: "It may first be broadly stated that the large majority of the machinery employed in Guatemala is that used in the coffee and sugar raising industries, and that while most of the coffee cleaning plant is brought from England that which is used on sugar plantations comes from the United States of America. The smaller implements come in about equal quantities from both countries. There are only one or two houses in Guatemala which manufacture machinery and agricultural implements. I have ascertained from them that the following are the articles which are made by them for use here: Coffee drying machines, worked with hot air, live steam or exhaust steam, and of 20, 30, 60 or 90 quintal capacity; coffee-pulpers, coffee washing machinery, coffee sorters, or separators, coffee peelers, elevators and water power, iron sugar pans, sugar evaporating pans, Pelton wheels of all sizes, iron water wheels under and over shot, iron work for water wheels, turbine wheels, steam boilers (Heine's patent), tubular up to 60 horse-power, Corliss engine up to 50 horse-power, lift and force pumps, couplings, and bearings and cast-iron pulleys, single and double circular saw-mills and all kinds of castings of brass and iron. Although these local works no longer do the business they did in former years they are still in a flourishing condition, and are largely employed for works of repair and in making smaller pieces of machinery." The consul concludes his report as follows: "I may add that I have just been informed that there is a considerable demand for some improved form of plough. It appears that

the ordinary plough imported from the United States or Europe is not very satisfactory. The soil here becomes baked to a hardness of steel, and the share or knife of the plough generally in use glances and slips on the earth's surface. What is wanted is a plough so shaped as to point its share deeper into the ground, so as to turn over a good furrow and not to slip on the top of the hard earth. From what I am told, I believe a considerable business might be done if ploughs were imported which realized these requirements."

—At a special meeting of the Montreal Corn Exchange Association held recently to discuss the desired preference for colonial products in the Imperial tariff, the following resolution was passed: "Whereas, Great Britain has lately placed an import duty on agricultural products from her colonies as well as from other countries; and whereas, the building of the Colonies, whose loyalty has been so thoroughly proven, is the surest and best means of strengthening the Empire and providing for its defence; and whereas, the growth of the Colonies, and of Canada in particular, largely depends on the encouragement of their agricultural resources, be it resolved, that the Canadian Government is hereby requested to urge most strongly on the Government of Great Britain, the necessity and advisability of granting free entry to the agricultural products of Canada and the other colonies, while maintaining duties on importations from all foreign countries." The following resolution in connection with contemplated improvements in the St. Lawrence route was also passed:—"That the thanks of this meeting are hereby tendered to the Hon. James Sutherland, Minister of Marine and Fisheries, for the manner in which he has met the request of this association and other trade organizations of Montreal for the provision of aids to navigation in the River and Gulf of St. Lawrence, whereby it is believed that navigation will be made so safe as to increase trade to this port and procure lower rates of marine insurance."

—The vanguard of the great army of seventeen-year locusts, which is due to afflict this country this year, says a Washington, U.S., report, has already appeared. Some time ago the Agricultural Department sent out 5,000 pos-

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

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

Laying DIA'S Impregnable Paper Cables on



WESTMINSTER BRIDGE, LONDON, Eng.

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

tal cards to those points of the country in which the locusts appeared in 1885, with the request that the addressees forward them to the department as soon as the return of the locusts was noted. So far replies have been received only from Altoona, Pa., and Nashville, Tenn., but the scientists of the Agricultural Department expect that within a few weeks locusts will have appeared in other parts of Pennsylvania, and in New Jersey, Delaware, Maryland, Virginia, West Virginia, North Carolina, South Carolina, Tennessee, Kentucky, Ohio, Indiana, Illinois, Michigan, and Wisconsin, and probably other States. The scientists of the Department explain the early arrival of the cicada as due to local conditions of excessive moisture and several days of unseasonable heat. Chief Entomologist Howard of the Department of Agriculture says the locusts will do little injury this year. They are not a plague or a pest, despite traditions to the contrary, and never damage anything except young nursery trees and young shoots of mature trees, rarely inflicting any permanent injury upon them.

—We learn from St. Johns, Que., that representatives of manufacturers in the United States of baths, sanitary earthenware and products used in the installation of sanitary systems have been examining into the condition of the Canadian market, for the purpose of determining the feasibility of manufacturing certain lines of goods in this country, to avoid the import duty. The result of this inquiry, says the report, was the purchase upon behalf of American capitalists, of the Macdonald potteries, which plant has been idle for some years past. The potteries are quite extensive and when the plant is again in operation some four hundred men will be employed, and a complete lines of earthenware will be produced. The fac-

tory was first opened by a Canadian company. It is the intention of the purchasers to equip it with modern machinery at the earliest possible moment, and to manufacture a superior line of Canadian made ware. The amount paid for the potteries has not been made public.

—Since 1898 the output of Russian petroleum has exceeded that of the States. The statistics are as follows (expressed in pounds):

Years.	U.S.A. Output.	Russia. Output.
1891	425,000,000	275,000,000
1892	395,000,000	285,000,000
1893	379,000,000	328,000,000
1894	387,000,000	297,000,000
1895	388,000,000	377,000,000
1896	442,000,000	385,000,000
1897	533,000,000	422,000,000
1898	378,000,000	488,000,000
1899	391,000,000	525,000,000
1900	421,000,000	600,000,000
1901	406,000,000	675,000,000

In 1891 the United States produced 62 per cent., Russia 38 per cent. of the total, while in 1901, the United States produced 38 per cent. and Russia 62 per cent. The situations were exactly reversed in ten years.

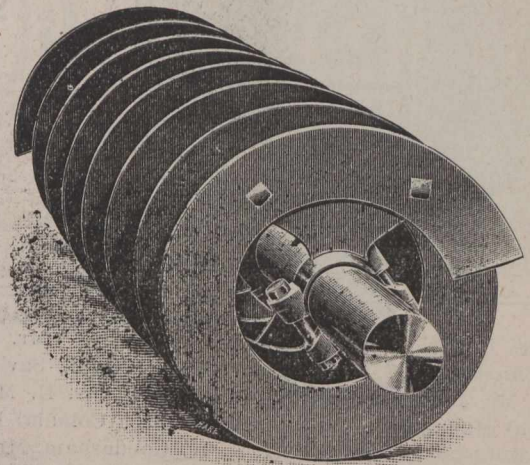
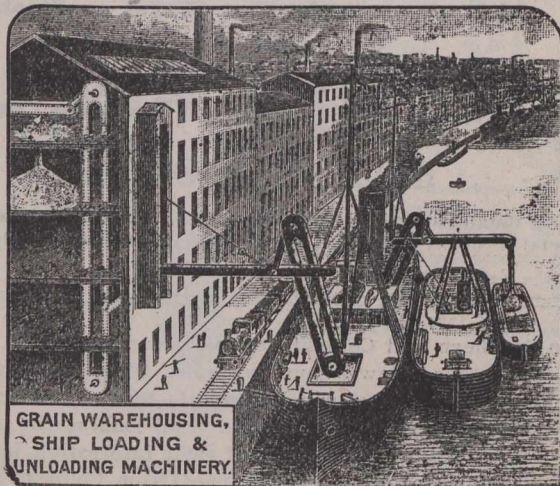
— Fifty thousand acres of coal lands in the vicinity of Morrissey Creek, in the Crow's Nest Pass coal fields, B.C., have been chosen by the Dominion Government. The right was obtained as one of the concessions from the C.P.R. when assistance was given that company to construct the Crow's Nest Pass line. It was estimated that the coal obtained from the C.P.R. in connection with this conven-

Contractors to H. M. GOVERNMENT.

Telegrams : "CONVEYOR, ACCRINGTON."

CONVEYOR and ELEVATOR CO.

LOWER BRIDGE WORKS,
ACCRINGTON, Lancashire, Eng.



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

tion would be worth over \$20,000,000, at an estimated value of five cents per ton, but the money value was not regarded so important as the possession of these coal lands by the Government, which would control the price of coal to the mining centres of that Province. There has been considerable activity on the part of the railway company and the Crow's Nest Pass Company as to how this area was to be selected. The action of the Government was on the strength of the reports of the officers of the Interior Department and also of a special American expert, who made a report favorable to the selection of the coal lands around Morrisey Creek some time ago.

—According to the advices which have reached the Fisheries Department, the spring sealing catch is a most disappointing one. Twenty-one schooners have returned home and unless the schooners still to be heard from do much better than those which have arrived, the average catch will be far below that of last season, when an average catch of 226 skins to the schooner was made. The catch of 21 schooners amounts to 2,875 skins, an average of about 137 skins to the schooner, or 89 skins to the vessel

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.

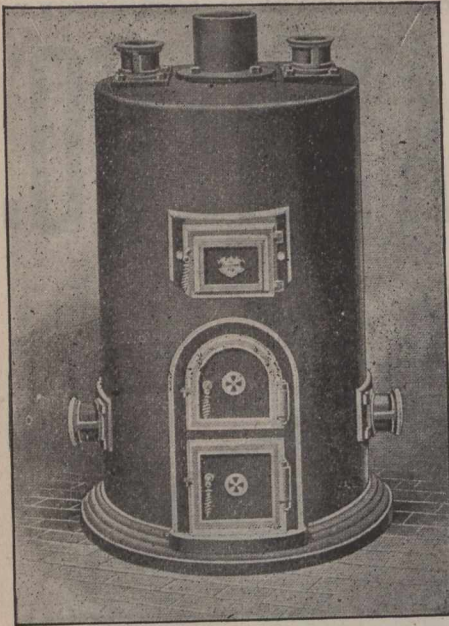
ALSO AT
DARLINGTON.

less than was taken last year. The cause of the falling off in the catch was not due to any decrease in the seal herds, for the seals were seen, but the weather was so bad and the hunting days were so few and far between that the hunters could not get the seals. Some of the schooners had but two hunting days during the stormy month of February, and not many more in March.

—The Retail Grocers' Association of Toronto discussed the Fruit Marks' Act and its recent amendments with Inspectors McNeill and Carey recently. Many questions were asked the officials on the working of the law, and some misconceptions were cleared away in the discussion. Mr. McNeill has not found any serious frauds in the packing of lemons or oranges, but he intimated that if necessary the law would be as strictly enforced with foreign fruit as with the home-grown product. The recent changes in the Act specified that the man in whose interests the fruit is packed shall have his name on the package; in other words, the actual owner at the time of packing shall be held responsible. It is also provided that closed packages shall be marked, XXX, XX, or X, or 1st, 2nd, 3rd, according to grade though other marks are allowed if not inconsistent with these designations.

—Large quantities of railway material and iron pipe for sewerage and water supply, exclusive of the materials for the big bridge to be constructed across Sydney, N.S.W., harbor, will be required in New South Wales within the next year or two. Building operations on an extensive scale, several hundred buildings having to be erected on land in Sydney reserved by the State Government, will shortly be commenced, and should a new building law be passed during the next session of the State Parliament hundreds of unsanitary dwellings in Sydney and its suburbs will be demolished to make way for others of a healthy character. Consequently heavy orders for building material of every description may be looked for within the next few years.

—It is understood that negotiations have been opened looking to the merging of the Globe Savings & Loan Company with the Colonial Investment & Loan Company. The idea, says the Globe, appears to be that the Colonial Company should take over the business of the Globe Savings, and figures have been submitted, although as yet nothing



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definite is decided between either company. Mr. E. F. B. Johnston, K.C., is President of the Globe Savings & Loan, Mr. John Flett Vice-President, and Mr. E. M. Day General Manager. The President of the Colonial Investment & Loan Company is Mr. G. H. Gooderham, Mr. J. H. Mitchell is Secretary, and Mr. A. J. Jackson General Manager.

—The Shawinigan Water and Power Company has, we are told, awarded to the Pittsburg Reduction Company, now in operation at Shawinigan Falls, Que., a contract for 260 miles of aluminum wire, for use on the proposed line to Montreal. This contract is the largest of the kind ever given in this country, and a feature is that the aluminum and wire will both be manufactured at the Falls. To draw the wire the Pittsburg Reduction Company will at once erect a wire mill and go extensively into the manufacture of aluminum wire. The Shawinigan Company expects to have its transmission line completed and be in a position to deliver electricity in Montreal by the first of December.

—Tilsonburg, Ont., advices report that a remarkable flow of gas was obtained on the Hawkin farm, a short distance north by Mr. Cuthbertson, manager of the numerous oil wells found during the past few months southwest of the town. In drilling in the last well an immense pressure of gas was obtained about 100 feet from the surface. The pressure was sufficiently strong to lift the sinker bar, weighing 1,800 pounds, and throw portions of rock above the derrick, which is 53 feet high. The gas appears of excellent quality to utilize for manufacturing and domestic purposes.

—A Quebec letter of the 19th instant reads: Hon. Mr. Tarte was here on Saturday, accompanied by Mr. Lafleur, acting chief engineer. He visited the harbour works, accompanied by Mr. J. G. Scott, of the Great Northern and Quebec and Lake St. John Railways, to examine for himself what improvements should be made, and said it was his intention to spend a million dollars upon them. Questioned about the fast line of steamships, he said it would come in time, and that, while vessels would have to call at Quebec, it would be optional with them to proceed to Montreal.

—With a view of assisting the Marine Department in determining the exact location of the several aids to navigation which are to be erected at points on the St. Lawrence this year, the astronomical branch of the Department of the Interior is making observations for the determination of longitude. Charles A. Biggar, of Ottawa, has been sent to Three Rivers from which point on clear nights he exchanges signals by telegraph with W. F. King, chief astronomer of the Dominion. The result will be the finding of the exact longitude of Three Rivers.

—Mr. H. Vincent Meredith, manager of the Bank of Montreal, is again in his usual place after an enjoyable voyage

to Southern and Central Europe, accompanied by his wife and brother-in-law.—Senator James O'Brien has returned from a visit to the principal points by the "tideless sea," with some members of his family, all looking the better, if possible, than at the outset of their interesting journey.—Hon. John S. Hall is again home (from Colorado) among his numerous friends, who are congratulating him on complete restoration to his wonted health and vigor.—Mr. John McIntyre, another of Fortune's darlings, has also returned to the city after a visit to various winter resorts South.

—Vancouver, B.C., advices state that a company organized at Trenton, N.J., called the United Canneries Company, have purchased the canneries of British Columbia and placed them under one management. Some of the canneries were bought for all cash and some for part cash and part stock. The company is incorporated for \$4,000,000. Now that the British Columbia cannery business is definitely controlled, it is said overtures will be at once made to combine with the Alaska Packing Company, and thus control the salmon markets of the world.

—From Boston we learn that preparations are being made for the sale of all furs, including the sealskin garments, seized in Boston and vicinity, which have been smuggled into the United States by a firm of Montreal, or its agents, and seized by Special Agent Smith and his corps of officers. The Treasury Department at Washington has authorized the sale of the garments manufactured wholly or in part of seal skins. It was feared that under the present interpretation of the law all would be destroyed.

—Montreal shipping and marine insurance men express themselves as satisfied with the additional aids to navigation which are prepared for the St. Lawrence route. The improvements which are contemplated take in a better light at Cape Race, and an improved fog signal at the same spot, at Cape Pine a better light and fog signal, at Cape Ray and Cape Rosier better light and fog signals, a new fog signal and light at the northeast end of Belle Isle, a lightship at the east end of Anticosti, change in signals at Cape Bould and Cape Norman, and so on to Montreal.

—A dispatch from Sydney, N.S., states that a large deposit of copper ore has been struck on French road about twelve miles from Sydney. The ore has proved of a satisfactory grade and now air drills are being used to sink further down to the top or lower level. A prominent New York expert stated that with this ore copper can be manufactured cheaper at Sydney than at any other port in America. Smelters will be erected on the south-west arm of Sydney harbor.

—Application will be made to the Minister of Railways on 28th July to sanction the agreement by which the Port



“RED HAND”

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Foundation Felts.
Inodorous Felts.
Siaters' Felts.

ARE UNEQUALLED



FELTS,

Dry Hair Felts.
Silicate Cotton
Patent Hair Fabric.

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Manufactured by **D. ANDERSON & SON, Ltd.,** Lagan Works, Belfast, IRELAND.

Hand-books with your Specialties, Name and Address, free.

LOYALTY TO THE TRADE IS OUR MOTTO.

Dalhousie, St. Catharines & Thorold Electric Street Railway Company sells its undertaking to the Niagara, St. Catharines & Toronto Railway Company.

—According to an official crop report from Budapest, Hungary, the condition of Hungarian wheat is generally satisfactory, although, owing to frosts, it is somewhat backward. Rye has been badly damaged by the cold, but the condition of oats is satisfactory.

—The Great Northwestern Telegraph Company makes the announcement that their rate on cable messages to Queensland and Victoria, Australia, will on June 1st be reduced to 99c per word.

—A branch of the Dominion Bank will, we are informed, shortly be established in London, Ont.

MONTREAL STREETS.

The dry weather spell has converted all except a few of our streets into dust-heaps, and the air becomes thick with the lightest of it on the merest breath of wind, the passage of vehicles or even pedestrians. To those who give a thought to what this dust is composed of—the droppings of the winter traffic, the expectorations of the various human secretions and the fine household or office refuse which is not everywhere thrown into stoves or furnaces—it is surprising that we are not scourged for our neglect of the lesson conveyed by the proverb that “Cleanliness is next to godliness.” We have so fre-

quently referred to this subject that it seems vain to indulge any hopes of a remedy. Look at the streets whence issue those frequent pathetic little funerals, especially on Sundays when the poor father has most time to transplant the fragile little flower, the last ornament of the home-circle, to the back of the Mountain, and we shall not have far to seek for the poisonous heaped-up dust. As for the occasional sprinkling — as frequently pointed out—it is the veriest farce. The driver would seem to be more intent upon rapidly lightening the load on the poor horse he is driving; instead of a sprinkle it is a deluge ejected from the ill-contrived, coarsely perforated attachment with a force that raises a cloud of dust for fifty or a hundred yards to the rear of this familiar example of “How not to do it.” Would it not have been better that some of the money expended in the purchase of the many sprinklers now occupying city cold-storage had been retained to pay for keeping them employed—bad and all as they are?

THE APRIL BANK STATEMENT.

The bank returns for April reached us when going to press. The principal changes in the month were a decline of circulation from \$52,442,982 to \$50,691,588; an increase of demand deposits from \$92,380,108 to \$99,210,543, and of those payable after notice, from \$239,529,963 to \$239,875,361; enlargement of current loans from \$300,066,698 to \$302,160,867, and of call loans in Canada from \$38,532,304 to \$39,503,535. These have no special significance, being of the usual nature in April.

At the Office of * * *

The “Journal of Commerce”

You can get everything in the line of

JOB PRINTING.

GIVE US A TRIAL ORDER

—Meaford, Ont., Correspondence. — The by-law granting the Seaman-Kent Company, Limited, a loan of \$12,000 was voted on and carried almost unanimously. The company will start build-

ing operations at once. It is capitalized at \$100,000. As soon as the buildings are complete it will employ from 75 to 100 skilled mechanics.—The Meaford Manufacturing Company have

commenced building operations, the building to be 200 x 60 feet, four stories high. The company expect this building, dry kiln, and power house to be completed by August 1st and the work of manufacturing furniture to commence about October 15th, when from 50 to 75 experienced workmen will be employed.—Two hundred and six thousand bushels of grain arrived on Saturday for export to Europe, via Montreal. The last was loaded into cars and left by the G.T.R. to-day.

—An offer of 75c in the dollar on the part of the insolvents was made at the

YORKSHIRE RELISH

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

Proprietors, GOODALL, BACKHOUSE & CO., LEEDS.

ENGLAND.

AGENT FOR CANADA

CHAS. GYDE,

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

meeting of the creditors of G. R. Blyth & Sons, dry goods, Ottawa, held in Toronto, on Tuesday last. The statement submitted showed nominal assets of \$228,990, and liabilities of \$165,596. The creditors were offered 50 cents cash and 25 cents at three, six and nine months. No decision was reached at the meeting, but the creditors appear in favor of accepting.

—A London cable of the 20th states that there is no hitch in the arrangements of the Atlantic shipping combine. The White Star Line shareholders have unanimously accepted the Morgan offer. The Government has received assurances that the White Star Line will be glad to renew the naval reserve agreement at the expiration of the present three years' contract.

—Frederick C. Rowe and Maurice R. de Mesle, sole surviving partners of the firm of Hearn & Harrison, optical goods, etc., Montreal, have assigned. The liabilities amount to about \$6,000, of which \$4,666 is due to the old firm of Hearn & Harrison, composed of the two present partners and Mrs. T. Harrison.

The last span of the C.P.R. bridge at Winnipeg was placed on the piers some days ago. Rails will be laid at once, and it is expected that trains will be running over the structure next month.

—Grand Trunk Railway System: — Earnings 8th to 14th May, 1902 \$579,916; 1901, \$509,716; increase, \$70,200.

—A record prices for over twenty years was made for cattle in the To-

ronto market this week, when exporters sold at \$6.75 per cwt.

FINANCIAL REVIEW.

Montreal, Thursday noon,

May 22nd, 1902.

The heavy sales of Canadian Pacific, with a rise in prices that would have been deemed incredible a few months ago, the advance since January 1st having been from 113 to 137, have given rise to speculation as to what was behind such enormous transactions. One theory was, that the shipping syndicate was moving towards securing control of the C.P.R. That is an operation beyond even Mr. Morgan's power. It seems probable that sell-

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EILLS & COMPANY,

LIVERPOOL, Eng.

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

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

SPECIAL AGENTS FOR

Danish and Irish Butter

IN TINS.

WRITE FOR OUR EXPORT PRICE LIST.

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

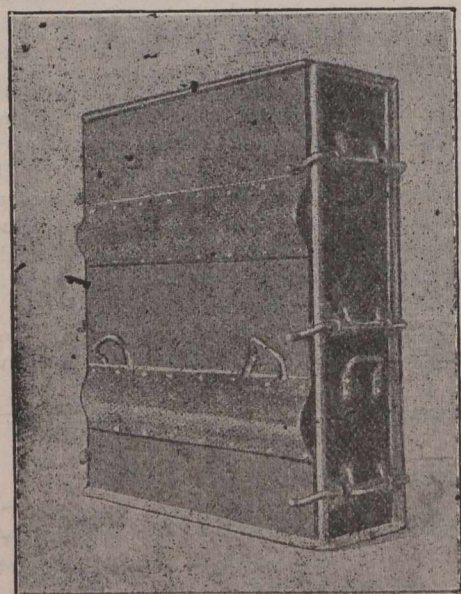
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12 Hanover Street, - LIVERPOOL, Eng.

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Preferential Tariff

SOAP FRAMES

PATENTS—No. 5107/93; No. 10362/99.



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

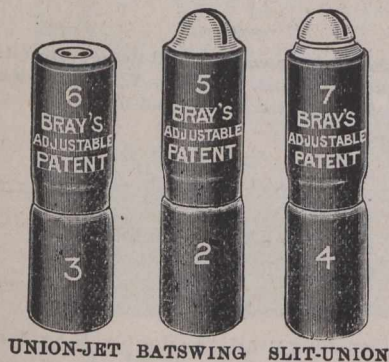
Easily Erected. Self-Caulking. Guaranteed not to Warp.
Wheels and Axles fitted if required.

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

Soap Trade Supplied under the new Tariff

Bray's "Adjustable Special" Gas Burners

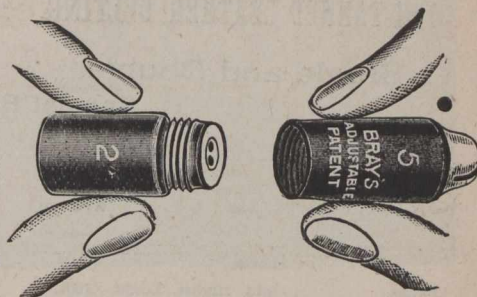
Contain all advantages of our "SPECIAL" Burner being in two parts, a top and bottom, which can be adjusted to suit any pressure of gas. See Woodcuts.



UNION-JET BATSWING SLIT-UNION

SIZES.

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



GEO. BRAY & CO.

Gas Burner
Manufacturers

Bagby Works, LEEDS, ENG.

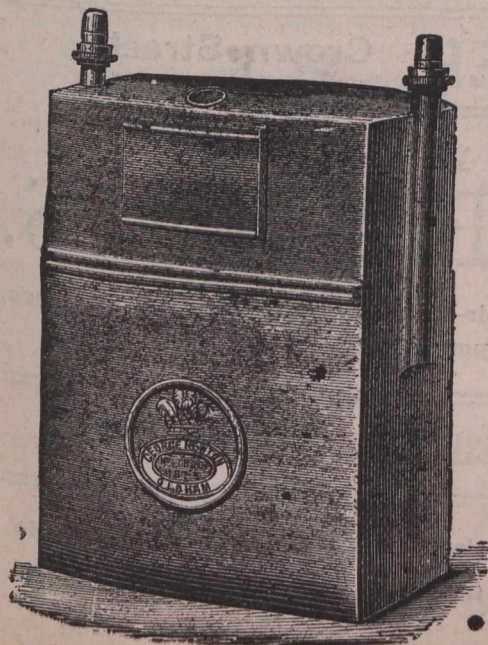
ing old to buy new stock has caused a considerable amount of shares to change hands, but more perhaps have done so because of the growing confidence in the earning power of the C.P.R. being certain to expand largely on the result of the influx of settlers who are likely to double the population of the N. W. Territories this year and proportionately increase the production which will add an enormous amount to the freight traffic of the line. The company is expected also to realize a large sum from land sales, which may increase the dividends. The element of speculation was also a factor in these large sales, so that many anticipate a reaction, such as occurred after Iron and Steel stocks had been boomed. What ticklish affairs these vast combinations are is shown by the meeting this week of

the U.S. Steel Corporation endorsing the proposition to convert \$200,000,000 of 7 per cent. preferred stock into 5 per cent. second mortgage bonds. Such tossing to and fro of millions, like tennis balls, changing the form of securities, reducing the promised rate of interest on them, should be a caution to investors who are not in a position to know what game those inside the tent are playing, or arranging to play. Peace rumours have been so persistent as to have caused enormous purchases of Consols at 95¼ to 95½. If the war, however, goes on Consols will not fall again to any serious extent. England is piling up money as never before and it would be no surprise to find Consols at par ere long, that is, if peace is made and maintained and no national disaster occurs. On local 'Change C. P.R. has almost monopolized the mar-

ket, but interest seems reviving in Steel, which sold to-day up to 57, an advance of 3 points since yesterday. Pacific, this a.m., has been selling only in small lots at from 133 to 135; Montreal St., 270 to 272½; Toronto St., 121 to 123; Dominion Coal, 136; Dom. Cotton, 60¼; Power, 101 to 101½; Steel preferred, 96 to 97; new C.P.R., 127¾ to 128½. Little is doing in bank stocks, which are rising in value under good reports for past year. Paris, exchange on London, 25f. 2½c.; Berlin, 20m. 49 pf. In London, money is easy, three months' bills, 2¾ per cent. Local foreign exchange, 60's, 9¾; demand, 9¾. Money rates as for some time past.

The following is a comparative table of stocks for week ending May 22nd, supplied by Chas. Meredith & Co., Stock Brokers, Montreal:—

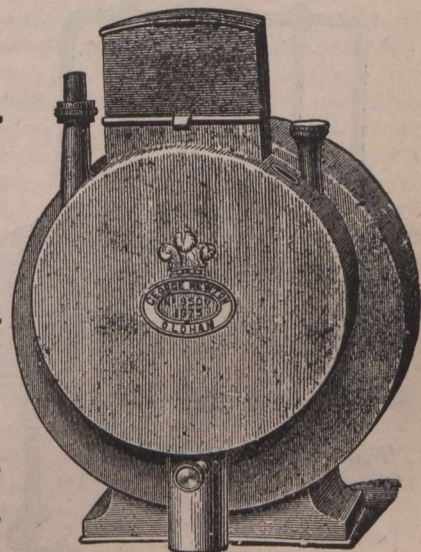
GEORGE NEWTON, LTD.



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MANUFACTURERS.**

**OLDHAM,
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Special quotations
under the new Canadian
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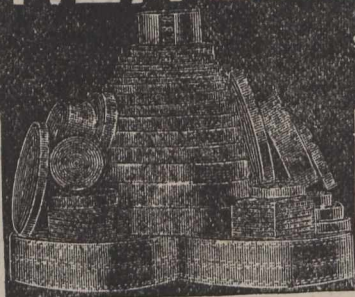


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JOHN OLDFIELD & CO.,
 THE CITY TANNERY
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BRADFORD, - - England.

LEATHER BELTING

SINGLE AND DOUBLE
 LEATHER BELTING

SPECIALITY
 EXTRA STOUT
 OAK-TANNED



LEATHER-LINK

CHAIN BELTING.

For Electric and Heavy Driving

Picking Straps, Bark Tanned Green,
 Buffalo Hide & Helvetia.

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

OAK-TANNED LEATHER BELTING.

Single and Double.

Special Rates to Canadians under the New Tariff.

Banks.	Shares.		Average same date	
	sold.	Highst. Lowst.	1901.	1901.
Montreal . . . xd	56	260	260	254
Molsons	5	211	211	198
Merchants. xd . .	20	146½	145	156
Miscellaneous.				
Can. Pac. Ry.	27275	137½	126¾	104½
Duluth SS com. . . .	475	18½	16	9
Do. pref.	100	32½	32½	15
Montreal St.	1337	272½	266	285¼

Mont. Power	2076	101½	99	95½
Toronto St	2215	123	119	109
Twin City	2158	121	118	76¼
Can. Pac. new	5435	129½	122	.....
Rich. & Ont.	555	112	110½	115
Com. Cable.	619	164	160	180
Bell Tel.	16	176	176	170
Mont. Cotton.	183	130	126	131
Dom. Cotton	3205	61	56½	74½
Payne	2000	20½	20½	25
Virtue	10500	10	9	9
North Star	30000	25	24	60
Dom. coal, com.	695	136	134¼	35
Do. pref.	25	116½	116½	115
Loan & Mtge.	7	137½	137½	.....
Dom. I. & S. com.	5925	57	53	33¾
Do. pref.	614	97	94	84
N. S. Steel, com	650	110¼	109¼	.....
Bonds.				
Montreal St.	21600	105¾	105	.....
Nova Scotia coal.	3000	111	111	.....
Dom. I. & S.	390000	92¾	91¼	87½

MONTREAL WHOLESALE MARKETS.

Thursday, May 22nd, 1902.

After long waiting, doubly long for dealers in summer fabrics who up to to-day saw no real chance for gain in pushing forward the lighter weaves, summer in its real garb appears to have arrived. While such delays seem to cut short the season, dealers in warm weather apparel seldom see loss beyond delay, for heat usually follows, of a kind that permits of little time for hesitancy at the retail counter. In values most food stuffs are advancing. Provisions are higher; potatoes are much higher; rolled oats are away up; beef is still showing its ability to ascend. The leather market is extremely quiet for home needs. Hardware is active, and steady as to price. Green hides are lower. Linseed oils and cod liver oils are dearer. Wool is about completely sold out of the market; prices are 10 to 15 per cent. higher, and even the bulk of the Canadian wool has at last drifted off.

—Ottawa Clearing House—Week ending 15th May, 1902: Clearings, \$1,634,748; balances, \$427,952.

BRAZILIAN EXCHANGE.

For week ending May 20, 1902.

May 14 . . . . .	.....	Holiday
15 . . . . .	.....	12 9-32d
16 . . . . .	.....	12 11-32d
17 . . . . .	.....	12 13-32d
19 . . . . .	.....	12 13-32d
20 . . . . .	.....	12 11-32d

BUTTER.

The market holds firm and demand keeps good, there being no surplus stock. Choicest creamery sells at 19c to 20c; Eastern dairy, butter, 18c to 19c, and Western make, 16c to 17c;

El Padre Needles

10 Cents.

VARSAITY,

5 Cents.

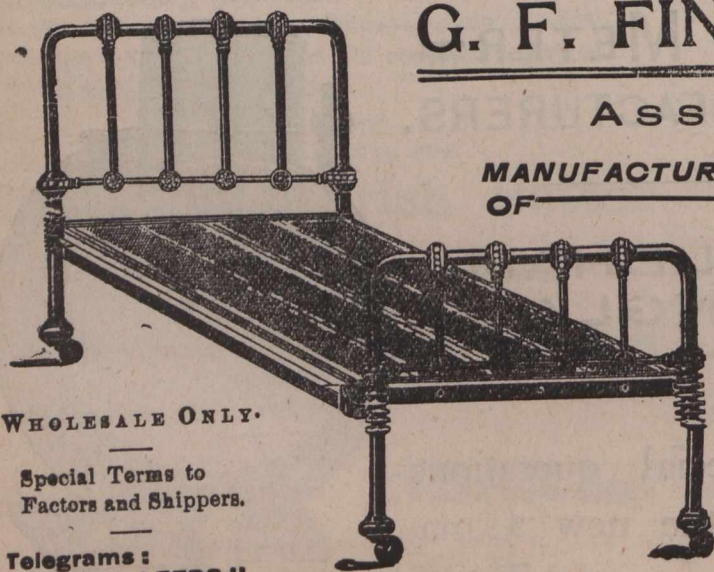
The Best

~ CIGARS ~

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

Made and Guaranteed by

S. DAVIS & SONS,
 MONTREAL, Que.



WHOLESALE ONLY.

Special Terms to Factors and Shippers.

Telegrams: "WOVEN, LEEDS."

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

Assembly Works,

MANUFACTURER OF

BEDSTEADS.

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

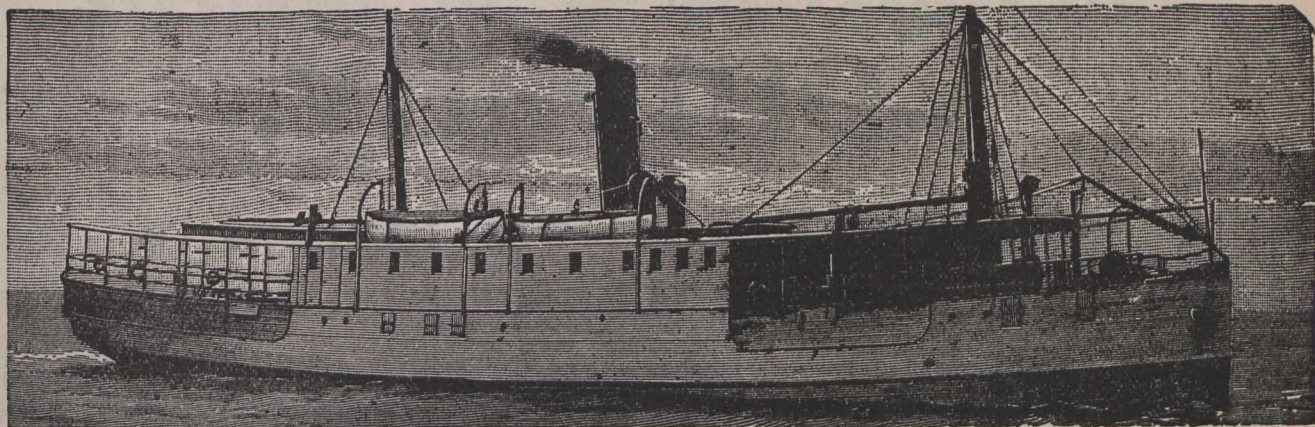
WIRE MESHES FOR MATTRESS MAKERS.

Angle Irons and Dovetails for Wood Bedsteads.

Special terms to Canadians under the New Preferential Tariff.

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.

rolls are steady at 16c to 17c. The local demand is active, dairy being short of requirements. Though the feeling is firm there is said to be a want of confidence and the market is talked easier.

CEMENTS.

The movement is confined to jobbing lots for immediate needs, which play no part in determining the drift of the market, which under the circumstances, is steady as to price. The movement in firebricks is much better, considerable quantities being moved out. Arrivals for week ending 20th were 112,400 fire bricks; 9,500 brls. Belgian and German cement and 400 barrels English cement.

CHEESE.

The market shows weakness with prices somewhat easier. The tendency is toward a lower level. Choicest is now worth 11c to 11½c, with Quebec 10¾c to 11c. Interior transactions:—Peterboro, Ont., May 21.—The first sale of cheese for the season held to-day, 26 factories boarded 1,301 boxes, all colored, first half of May make. First selection 510, 10¾c, 100 at 10 11-16c. Second place, 10 11-16c, and 10½c, which cleared the board. The quantity is less than usual at this date.—Woodstock, Ont., 21.—Cheese market weaker than a week ago, bidding being ¾c lower, and not a sale was recorded. 975 boxes colored and 842 white were boarded. Bidding opened at 10c, and advanced to 10¼c, which was refused by sellers. The buyers showed no inclination to go above 10¼c.—Picton, Ont., 21.—16 factories boarded 1,035 boxes, all colored; highest bid, 10 13-16c; 650 sold at that price.—Stirling, Ont., 21.—At the cheese board 515 boxes white were boarded. Sales:—280 at 10 10-16c; 185 at 10½c; 50 10½c.—Madoc, Ont., 21.—525 boxes boarded. Sales at 10½c.

DRUGS.

Citric acid remains flat. It is some years since that article has been so low. Cocaine is easier. Cr. tartar has recovered somewhat from the low prices ranging of late. There is not much change in glycerine since the recent advance. Gum arabic remains very low in price, it being doubtful if cost of the cheaper sorts was ever so low. Morphia is lower. Oil of lemon has touched the lowest point ever reached and now seems like a good purchase. Quinine, while regularly held at 1s 3d, can be bought at 1s ½d to 1s 2d by outside holders. Opium is dull in the absence of important demand.

EGGS.

Market firm; supply still short and demand active. Liberal lots, 14c; jobbing lots, 14½c.

FISH.

Prices on some lines are slightly easier as per subjoined quotations. Trade is better owing to the high prices of meat, which turns the demand more to this commodity. It is, perhaps, desirable that this should come about, as any additional demand created for fish will assist a larger number whose vocations keep them by the shores or boats than were such demand turned in favor of many other commodities. Quotations are: Fresh eastern salmon, 22c; haddock, express stock, 4c; pike, 6½c to 7c; whitefish, 8c to 9c; trout, 8½c to 9c; halibut, fresh, express stock, 12c; mackerel, 13c 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, \$1.15 per keg; salt herrings, bbls., \$4.75 to \$5; do. half-barrels, \$2.60 to \$2.75; green cod, No. 1, \$6 to \$6.50;

do. No. 2, \$5; large, 8. Smoked: Herrings, 10c per box; finnan haddies, new stock, by express, 7c per lb.; St. John bloaters, \$1.00 per box; kippered herrings, \$1.75 per box; \$1.00 to \$1.25 per half-box. Prepared: Boneless cod, in bricks, 6c lb.; boneless fish, loose, in 25 lb. boxes, 4½c; skinless or dressed cod, \$5 per case; dry cods, in cwt., \$5 per cwt.

FLOUR AND FEED.

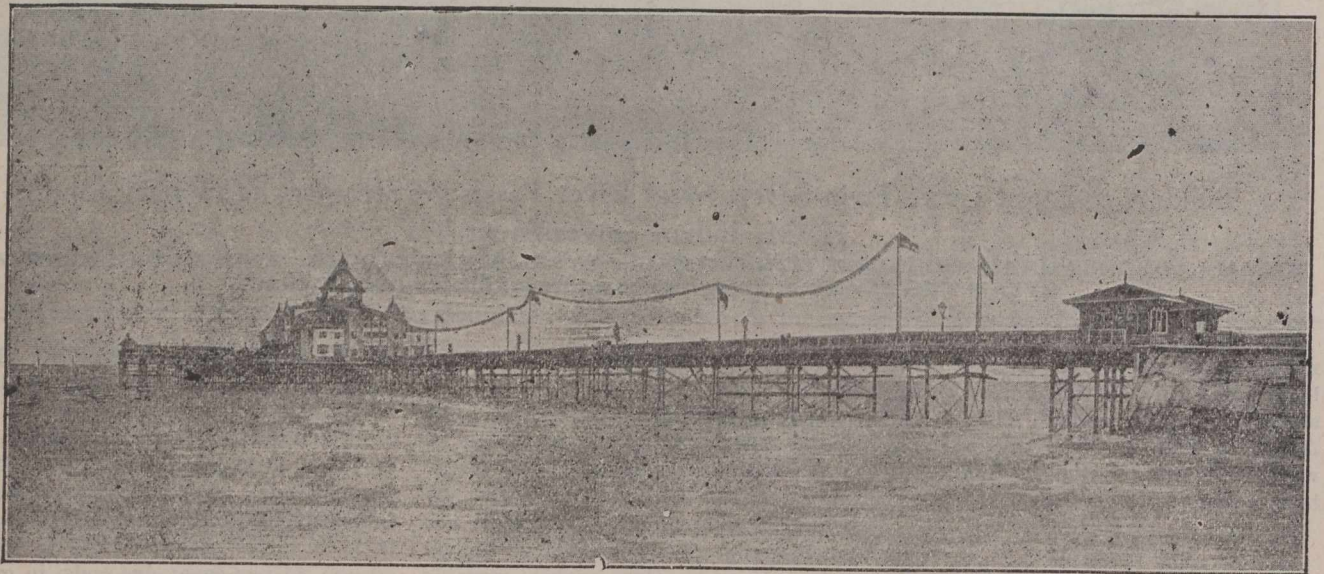
Big demand all round and prices very firm, is the reply of a leading milling company. Rolled oats have advanced considerably within the past week, owing to the higher price of oats and light supplies. Flour and feed are unchanged from last week's quotations. Oats are quoted at 49½c to 50c; Winnipeg quotations on wheat were as follows: No. 1 northern Manitoba wheat, 75c May; No. 2 northern, 73c May. There were 3,232,907 bushels of wheat in store at Fort William and Port Arthur on May 12. A year ago stocks in store at Fort William were 2,225,000 bushels, and two years ago, 3,450,000 bushels. Stocks in store at Fort William, Port Arthur, Keewatin, Winnipeg, and interior points are estimated approximately at 10,138,000 bushels, compared with 4,383,000 bushels a year ago; 8,200,000 bushels two years ago, 10,000,000 bushels three years ago, 3,300,000 bushels four years ago, 6,328,000 bushels five years ago, and 8,000,000 bushels six years ago. Baled hay, active and firm. We quote: No. 1, \$9.50 to \$10; No. 2, \$8.50 to \$9; clover, \$7.50 to \$8 per ton, in car lots.

GREEN FRUIT, ETC.

The last fruit auctions held here were well attended, but the prevailing cold weather seemed to influence prices which showed a downward tendency. As a consequence lemons are being retailed very cheaply around

Widnes Foundry Company.

✻ ✻ ESTABLISHED 1841. ✻ ✻



Morecambe Pier (East View),

ERECTED, 1898, BY

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

town. The backward season is also responsible for delay in the arrival of summer vegetables and fruit. These, however, are now arriving in better numbers and are selling freely. Quotations are: Apples, brls., \$5.50 to \$6.00; Jamaica oranges, \$4.75 per brl.; do. in boxes, \$2.75; Florida oranges, \$3.50 box; Messina oranges, \$3.25 to \$4.00 per box; Val. oranges, 420s, ordinary, \$4.50; do., do., 420s, Jumbo, \$5.50 to \$6.00; lemons, 360s, \$2.00 to \$2.75; do., 300s, \$2.00 to \$3.00; 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, barrel, \$5.50; Cape Cod cranberries, \$7 to \$10; Malaga grapes, per keg, \$5.50 to \$7.50; pines, 15c to 25c each; extra pines, 45c

do.; Florida tomatoes, \$3.00 to \$3.50; strawberries, 12c to 16c per box; new potatoes, 5c per lb.; Boston lettuce, \$1 per dozen; radishes, 25c per dozen bunches; sweet potatoes, in one bush. baskets, \$3; spinach, brls., \$2 to \$2.50; cucumbers, hot house, \$1.25 per dozen; asparagus, 40c to 60c bunch; Canadian lettuce, 30c dozen heads; new potatoes, \$7 per brl.; Florida cucumbers, \$3.50 basket; Canadian asparagus, \$1.50 to \$2.00 per basket; green beans, per basket, \$3.25; white do., per basket, \$3.00.

GREEN HIDES.

Late last week, and in accordance with our expressed anticipations prices dropped 1c lb. on both beef hides and calfskins, the former being

now 8c, 7c and 6c, for Nos. 1, 2 and 3, while calfskins are 11c and 9c for Nos. 1 and 2. Lambskins and clips are unchanged. In the New York market common dry hides were firmly held at unchanged prices. Receipts were small and as stocks in importers' hands were light the supplies on offer were limited. Tanners were reported ready buyers of desirable hides at full prices. City slaughter hides were unchanged and firm. Offerings were reported as light. Packers were reported closely sold up, and offered their hides indifferently. Prices quoted were 13c for native steers, 12c for butt brands and 11¼c for side brands. Country hides and calfskins were unchanged and steady. No important transactions were reported in the Chicago market for packer hides. In a quiet way,

Telegrams: "GROVES, SALFORD."

Groves & Whitnall, Ltd.,

BREWERS,

Regent Road
Brewery.



SALFORD,
England.

Alexandra Brewery, MANCHESTER, Eng.

however, there appeared to be a moderate amount of hides selling and at full quoted prices. The close was firm and quotations were $12\frac{3}{4}c$ to $13\frac{1}{2}c$ for native steers, $14\frac{1}{2}c$ to $15c$ for heavy Texas, $12\frac{1}{4}c$ to $12\frac{1}{2}c$ for butt brands, $12c$ to $12\frac{1}{4}c$ for Colorados, $11c$ for heavy native cows, and $10\frac{1}{2}c$ for branded do. Country hides were without change at $8\frac{3}{4}c$ to $9c$ for No. 1 buffs.

GROCERIES.

Sugars hold steady at the low figures reached a few weeks ago. Granulated is $\$3.70$ f.o.b. Montreal. Molasses is unchanged at $23\frac{1}{2}c$ to $27c$. New is now arriving. Rices and canned goods are unchanged.—London cable advices reported a steady market for raw beet sugar, May delivery was $\frac{3}{4}d$ higher at $6s\ 4\frac{1}{2}d$, but June do. was unchanged at $6s\ 4\frac{1}{2}d$; cane was quiet and without changes. In the U.S. markets the best bids that refiners would make were on the basis of $3\frac{3}{8}c$, $2\frac{7}{8}c$ and $2\frac{5}{8}c$ for the three standard grades; these prices, however, appeared rather too low to interest sellers. A limited amount of sugar was on offer, but importers were not disposed to shade $3\ 7-16c$ for centrifugals 96 degrees test, and this held trading in check. — A cable from the other side states that the market there has advanced fully $5s$ on Naples long fibberts and $3s$ on Sicily. Stocks of Naples, long, are said to be almost exhausted in first hands and cost to lay down price is fully equal to present basis on spot.—Advices from London indicate a very satisfactory business doing in currants and at full prices, with stocks on May 1, 5,516 tons, as against 6,730 tons in 1901, and with a net reduction during the month of 1,375 tons from Liverpool an equally good business is reported, with a large speculative demand at full prices.—In connection with dates, recent advices from London report the total available stock on May 1 as 90,000 boxes, of which fully 30,000 boxes were old crop, leaving only 60,000 boxes

of the crop of 1900. Owing to the heavy demand from Australia for Khadrawee, this grade is nearly exhausted and the laid down cost is now considerably over present quotations. The London stocks are hardly sufficient to last until the arrival of the new crop next fall. Our market, therefore, is very firmly held. Stocks are not heavy and some advances in prices may be confidently expected before the opening of the next campaign.—Mail advices from San Francisco referring to pears state: In the San Joaquin Valley where the principal drying has been done for the past few years, the crop will be very small. The local canners in that section will scarcely be able to run on pears at all, and very few except those wholly worthless for any other purpose will be dried. This decrease in the crop prospects is occasioned by a disease called the "blight," which kills the tree, fruit and all. Thousands of acres of pear trees are being pulled up this spring, and with a continuance of the disease another year the entire industry will be ruined in the San Joaquin Valley. In other sections the crop, while not affected with the blight, is not heavy, and with a normal demand from canners nothing except culls will be dried.—Referring to the prune outlook a leading operator on the Coast says: — Sacramento Valley, Suisun, Vacaville Winters, and Santa Clara Valley medium crop. Sonoma and Napa counties light. San Joaquin Valley heavy. The Santa Clara crop is usually half of the product of the State and probably will be so this year. In 1900 the crop of Santa Clara Valley aggregated, say, 100,000,000 pounds. The present prospects are for not over half that amount. Next in point of product comes Sonoma and Napa counties, the product of which usually goes out under the head of "Sonomas." Crop in these counties is exceedingly light and will probably be not over 25 per cent. of 1900. The San Joaquin Valley has but a small prune acreage, comparatively speaking. The crop is

heavy, but owing to the small acreage does not cut a big figure. As a whole, the prune crop of California will probably not exceed half of the crop of 1900, or say 100,000,000 pounds aggregate, but should run to large sizes.

HARDWARE AND METALS.

Importers smile at inquiries as to the market and merely say that trade is too brisk to attend to any change in values. The caller edges his way out through hurrying shipping clerks, and checkers, seeing in each step reason for the brief report obtained. Tin holds firm at the recent advance.

LEATHER AND SHOES.

Locally, trade in leather is exceptionally quiet. The constantly active export movement serves to offset that which the street does not provide; but this is not sufficiently encouraging to those who look for at least the amount of trade which might be reasonably expected. The sudden death of one of the leading leather dealers in the city on the 21st instant has cast a gloom over business which time alone can remove.

OILS AND CHEMICALS.

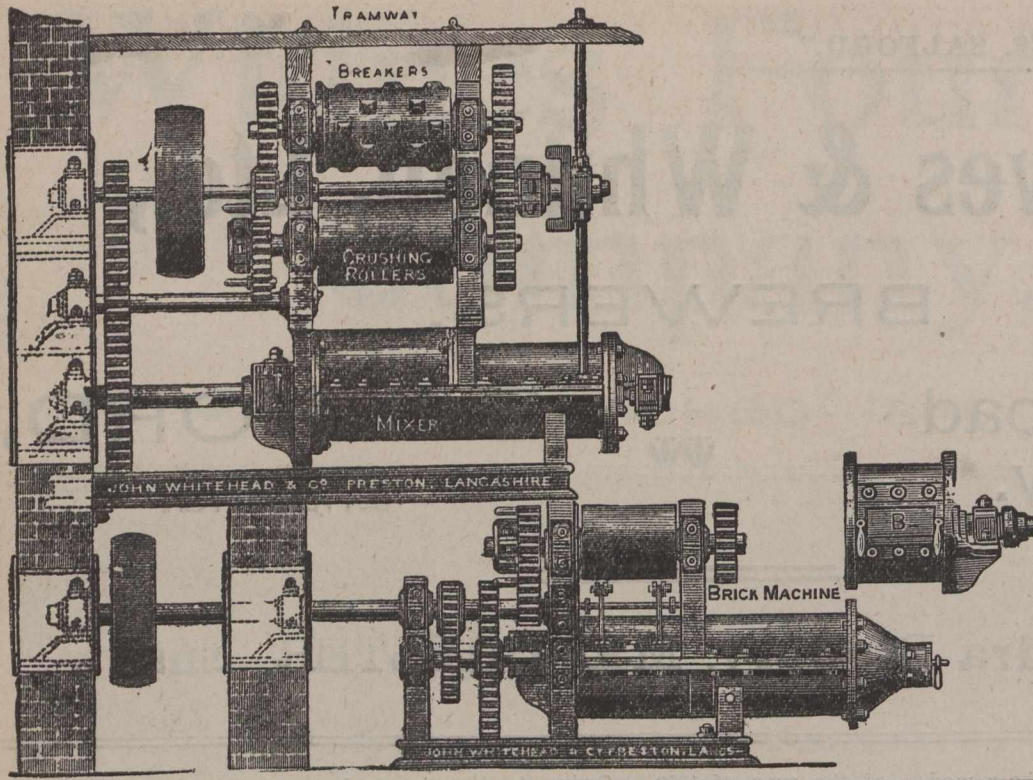
Linseed has advanced $1c$ and is now quoted at $80c$ to $81c$ for raw and $83c$ to $84c$ for boiled. Cod liver oil continues firm and higher prices are being constantly quoted. Norwegian is now marked at $\$1.20$ to $\$1.50$. In chemicals bleaching powder is lower at $1\frac{3}{4}c$ to $2\frac{1}{2}c$; blue vitriol is also easier at $4\frac{1}{4}c$ to $6\frac{1}{2}c$, as to quantity.

POTATOES.

Dealers are now looking around for stock which they would have little difficulty in reselling at $\$1.10$ to $\$1.20$ per bag in small lots.

PROVISIONS.

Cured meats are higher, as anticipated in last report, owing to the higher



Telegraphic address:—

"Bricliffe, Preston."

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

John Whitehead & Co.
Limited.

Albert Works,
PRESTON, ENGLAND.

Brickmaking Plant

"The Manchester."

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

price of fresh killed hogs, and the extra demand created through the recent advances in beef. At present prices the market is firm and a good trade is passing. Hams and bacon are, likewise, very firm, the former having advanced a fraction during the week. We quote:— Heavy Canadian short cut mess pork, \$23 to \$23.50; Canada short cut back, \$22 to \$22.50; heavy Canada mess, long cut, clear pork, \$21.50 to \$22; light Canada short clear pork, \$22 to \$22.50; pure Canada lard, in 20-lb. pails, 11½c to 12c; compound refined lard, in wood pails, 20-lb., 9c to 9½c; Boar's Head brand, in 20-lb. wood pails, \$2.02½ to \$2.10; and Globe, at \$1.77½ to \$1.85; 20-lb. tin pails, ¼c lb. less; hams, 12½c to 14½c; and bacon, 14c to 15c per lb. Fresh-killed abattoir hogs, are firm at \$9.50 to \$10 per 100 lbs. Chicago, May 21.—Provisions closed 2½c to 10c lower. Futures closed: Pork, May, \$17; July, \$17.07½; September, \$17.17½; January, \$16.37½. Lard, May, \$10.15; July, \$10.15; September, \$10.15; October, \$10.17½. Ribs, May, \$9.62½; July, \$9.57½ to \$9.60; September, \$9.57½ to \$9.60. Cash quotations: Mess pork, \$17 to \$17.05; lard, \$10.15 to \$10.17½; short ribs, \$9.60 to \$9.70; dry salted shoulders, 8c to 8¼c; short clear sides, \$10.20 to \$10.30. Liverpool, May 21.—Bacon, Cumberland cut, steady, 51s; short clear backs steady, 52s. Lard, prime western, in tierces, quiet, 52s; American refined, in pails, quiet, 51s 9d.

WOOL.

When a change comes in this market, which is not often, it comes in the way of a complete upset. For the past six months manufacturers did not appear inclined to buy, and to sell wool was a difficult task. Just now, there is really no wool to be had and there are numerous active demands. Even Canadian pulled wool is about cleaned up, a leading dealer here, it is stated, reporting that he hasn't two car loads left. The price paid was 16½c. There

isn't a bale of Cape in the city, and what French wools were here were all sold out this week. Wool is on the way here but it will be worth much more. A cable for quotations brought a reply to-day, quoting an advance of 1d, 2c, per lb. A prominent woollen manufacturer, in the city to-day, on being asked if he could afford to pay this advance, said he could not, but that he had to pay it to fill orders, and would simply fill in as best he could. One lot in stock was sold on Wednesday at an advance of 10 per cent. New wools arriving must fetch 10 to 15 per cent. advance; and even then there will be nothing in the turnover.

G. F. FINISTER.

The attention of the trade is directed to the advertisement, on another page of this Journal, of Mr. G. F. Finister, manufacturer of bedsteads, folders, wire spring mattresses, etc., whose works are situated at Crown street, Leeds, Eng. With long experience in the business and by paying special attention to durability, comfort and simplicity in construction, Mr. Finister has succeeded in working up a trade in these goods of which many an older firm might be proud. There is frequently shown a decided preference in favor of an individual in specialty manufacture from the point—not always readily perceived at first sight—that one man, possessing a full knowledge of a single specialty, is really more capable of giving entire satisfaction to the trade than are a company who, each possessing some knowledge of a particular part, work together as best they can. Whatever the cause Mr. Finister certainly has achieved the results which stand as best evidence of work well done,

through goods gotten up for both sale and advertisement, attested to most tangibly through re-orders often beyond power of immediate delivery. Increasing trade in this line has warranted the owner of Assembly Works, the name by which the business is locally known, to so improve the plant from time to time that it is now capable of turning out finished goods at a much greater speed. Simplicity of construction embodies a second redeeming feature; that of relative cheapness of cost; and this is a strong point in the features which have made the name of G. F. Finister so well known throughout Great Britain as a manufacturer of bedsteads, folders, chair-bedsteads, wire spring mattresses, and coppered diamond spring mattresses, wire meshes for mattress makers, angle irons and dovetails for wood bedsteads.

With the special terms granted the Canadian trade under the preferential tariff, we would request all interested in these goods to write Mr. G. F. Finister, Assembly Works, Crown street, Leeds, England, and gain the knowledge of how his prices and goods compare.

PATENT REPORT.

The following complete weekly list of patents granted to Canadians is furnished by Messrs. Fetherstonhaugh & Co., patent solicitors, Canada Life Building:— Canadian: E. B. Jarvis, drawing boards; J. E. Warne, separable ledgers; G. R. Davis, skirt and trousers hangers; J. Filteau, self-rocking cradles; C. A. Vollman, refrigerating and purifying systems; C. A. Barber, automatic fire-proof doors, etc.; R. Fletcher, spirit stoves; M. Turnbull, travel limit stops for elevators; J. A. Manion, devices for removing snow; A. H. Elliott, folding packing boxes; C. A. Evans, perforators. American: Robert J. Barry, controlling attachment for trolley-poles; Jno.

ESTABD

1859

LIVERPOOL RUBBER COMPANY LTD

MANUFACTURERS OF

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

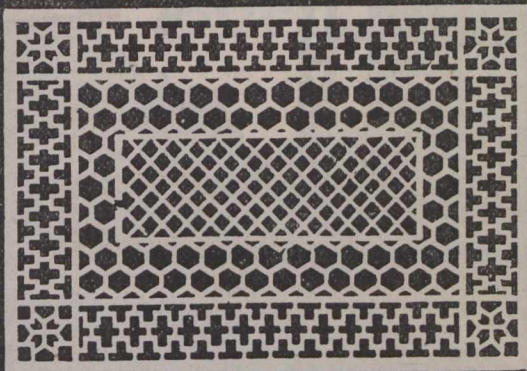
GARDEN
HOSE

WASHERS
AND

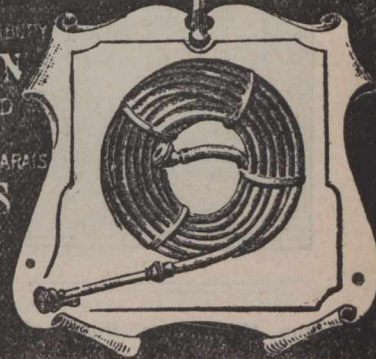
DELIVERY HOSE. BELTING.
CRD. MATS. VALVES. SHEETS.

ALL KINDS OF MECHANICAL
RUBBERS. INDIA RUBBER THREAD

CAB
TYRES
PNEUMATIC
CUSHION
AND
SOLID
TYRES



34 ALLEMANDETTI
LONDON
ENGLAND
20 RUE DE MARAIS
PARIS
FRANCE



HEAD OFFICE & WORKS
VAUXHALL RD LIVERPOOL ENGLAND

Heard, bottle-stopper; Clarence C. Longard, wrench; Clarence C. Longard, pipe-wrench; Alexis L. Mangin, carburetter; John R. Masecar, soap-press; Thomas J. Murphy, system of armature-winding for electric motors; Wm. Thompson, extension slide for tables; William Brandon, band-cutter and feeder for threshing machines.

Duke of Connaught on May Day is an event of not little importance to the commercial interests of Great Britain and to Canada which has in so large a measure contributed to make this one of the most interesting exhibitions ever held in Great Britain. It is fitting, says a London correspondent, that, in the coronation season, we should have such a beautiful exhibition of the arts of peace in our midst, for it was the King's revered father, the late Prince Consort, who was the pioneer of these industrial shows, where all na-

tions may come together in friendly rivalry. If such exhibitions promote trade, and it is found that they do, this imposing display in the Midland town—in the very centre of the most important mining and manufacturing district in England—will likely be of immense service to trade. However that may be, it is certain it will be an immense attraction to holiday makers in this country, and to foreign and colonial visitors to our shores.

Wolverhampton is noted as the capital of the "Black Country," but no stranger should be deterred from journeying to it on that account. It is

CANADA AT WOLVERHAMPTON.

The opening of the Wolverhampton Art and Industrial Exhibition by the

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

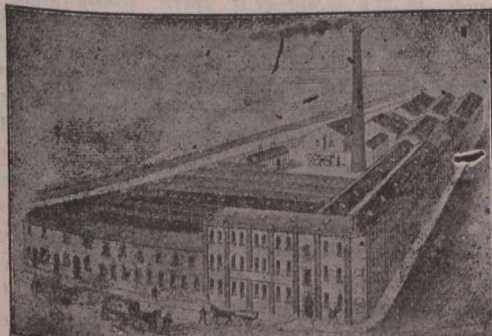
MILLS BROTHERS LTD.

Registered Office: Lowermoor Leather Works.
OLDHAM. ENGLAND.

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

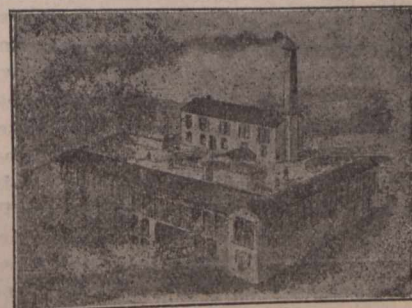
MANUFACTURERS
OF

Oak Tanned and Helvetia Strapping.



Lowermoor Works, Oldham.

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



Tannery: Blackley.

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

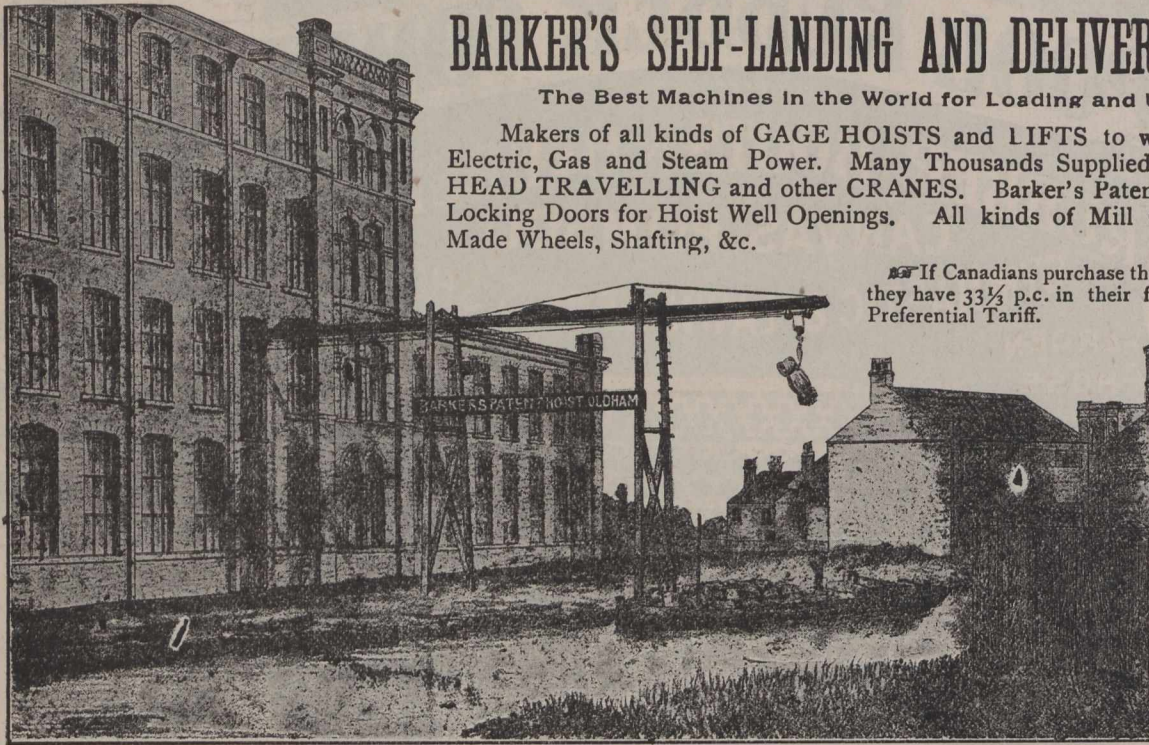
Original Inventors, Patentees and Sole Makers of

BARKER'S SELF-LANDING AND DELIVERING HOISTS

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

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

If Canadians purchase these Cranes in England, they have $33\frac{1}{3}$ p.c. in their favour under the new Preferential Tariff.



Barker's Patent Hoist.

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

OVER 2,000 AT WORK.

true that from Birmingham to the outskirts of Wolverhampton, a distance of some fifteen miles, the fair face of nature is made hideous by iron and coal mining, pottery works, blast furnaces and foundries, which make the entire district a vast cinder heap, and darken the sky with a black pall of smoke.

But on reaching Wolverhampton itself the scene is changed. The gloomy "works" which spoil the landscape some miles off are forgotten, and we see in the town the signs of the great wealth which these unlovely "works" have created. The town is built on a hillside. Its public buildings give it the air of progress and importance which we associate with our best provincial centres. It is historically an interesting place, and, amid all its modern "improvements" there are happily old world streets and ancient houses which will have a special interest for the visitors from the other side of the Atlantic. The country to the north, south and west is as charming as any that beautiful old England can boast. The romantic districts of Warwick, Shakespeare's country, and Worcester and the Malvern Hills, are quite close. An hour's ride brings us to the Severn, perhaps the loveliest river in England, and there is Shropshire, the most bucolic, the most primitive, the most unspoiled rural district in all England, where the stranger will delight in coach journeys through quaint and sleepy old villages, whose cottages are as old as Shakespeare's days, and where no railway disturbs their peace. For tourists in Britain this year Wolverhampton will be the centre, as Glasgow was last year. The exhibition is in the West Park, a very charming situation and from the towers and other elevated points of view in the grounds the panorama of rolling country, with the blue

mountains of Wales in the far distance, is glorious beyond description.

The idea of starting this great exhibition is due to Mr. Thomas Graham, J. P., a local newspaper proprietor, who is chairman of the executive committee. To him and to Mr. Hedley, who arranged the Glasgow exhibition, belong the credit of carrying out the scheme to a successful issue. Everything is most admirably and tastefully planned. The buildings occupy 128,000 square feet; the grounds altogether cover some 30 acres. Nearly \$750,000 has been expended in the venture; a large part of which has been guaranteed by the public spirited citizens of Wolverhampton. The design of the main buildings is strikingly beautiful. They form a crescent; there is the Industrial Hall, some 400 feet in length, by 170 feet in width; then there is the Canadian pavilion, which stands out most prominently and commands attention and admiration from every point of view. It is incomparably the handsomest building Canada has yet had in the series of exhibitions which have been held on this side. Although not so large, it is vastly superior in designs to either that of Paris or Glasgow, and one cannot help thinking that this is due to the fact that in arranging this show the Canadian authorities had a free hand. Too much could not be said in acknowledgment of the great ability and business-like methods and taste which have been displayed by the Canadian commissioner, Mr. W. D. Scott, and his colleagues, Messrs. Hay and Brodie. They had the Canadian pavilion in perfect order before any other part of the show had been got into ship-shape.

Passing along the crescent beyond the Canadian pavilion—which by the way occupies an area of 8,000 square feet—we come to the Machinery Hall—which is one of the great features

of the show. It is 350 feet in length by 130 feet in width. Over the doorway is a colossal figure of industry, and huge towers surmount either end of the building. Here is the finest display of electrical machinery ever seen in this country, also very interesting printing and book-producing machinery, mostly of American origin. There are mammoth locomotives, engines, dynamos, motors, weaving looms, and a host of machine tools, and exhibits of heavy wiring and mill machinery, for which the Midland manufacturers are famous. Manchester, Bolton, Birmingham, and Wolverhampton uphold the British engineering industry in this remarkable show, while the new American tools prove that in that department our cousins excel us. For the ordinary sightseer, the Industrial Hall will have the greatest attraction. The exhibits here are mostly British—but there are also interesting contributions from Japan, India and Denmark. To the tourist—not the least attractive are the stands of the tourist agents and the great railways, which display hundreds of large colored photographs of British scenery, and of the innumerable places of interest in the Old Country which delight American and colonial travellers. Outside, in the grounds, there is "all the fun of the fair." There is the wonderful spiral toboggan, removed from Coney Island, New York, and numberless other "side shows," some of which have been imported from Paris, and are new to the pleasure-seekers of this country. It should be mentioned that in the Wolverhampton Art Gallery the exhibition committee have arranged one of the finest loan collections of pictures we have ever had. The show, both on its own merits and having regard to the beauty and historic interest of the district of Wolverhampton, is one which no visitor to the Old Country should miss.

Bottle Washing Machinery

OUR NEW PATTERN "KINGSTON."

No. 2

22-dozen Half-pint Beers.

Fitted with Revolving Rinsers as shewn,

£27

with Bottle Sinkers.

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'e.	Capital Sub-scribed.	Capital paid-up.	Rest.	Div. last 6 Ms	Dates of Dividends.	Per Cent. Price May 22 (Bid)	Cash value per S.
British North Am.....	243	4,866,666	4,866,666	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	500,000	60,000	3	.....	105	42 00
Dominion	50	2,500,000	2,500,000	2,500,000	2 1/2	May	244	422 00
Eastern Townships....	50	2,000,000	1,742,535	1,050,000	3 1/2	Jan July	150	75 00
Halifax Banking Co.....	30	600,000	600,000	500,000	3 1/2	Feb. Aug	158	79 00
Hamilton	100	2,000,000	1,996,750	1,500,000	5	June Dec	205	201 00
Hochelaga	100	2,000,000	1,500,000	750,000	3 1/2	June Dec	152	152 00
Imperial	100	2,500,000	2,500,000	1,350,000	5	June Dec	220	220 00
Merchants' Can.....	100	6,000,000	6,000,000	2,600,000	3 1/2	June Dec	149	149 00
Moisons	50	2,500,000	2,500,000	2,150,000	4 1/2	Oct April	206	163 00
Montreal	300	12,000,000	12,000,000	8,000,000	5	June Dec	259	518 00
Nationale	30	1,200,000	1,200,000	275,000	3	May Nov	95	25 50
New Brunswick.....	100	500,000	500,000	700,000	6	Jan July	300	300 00
Nova Scotia.....	100	2,000,000	2,000,000	2,300,000	4 1/2	Feb. Aug.	233	233 00
Ontario.....	100	1,500,000	1,393,030	389,000	2 1/2	June Dec	130	130 00
Ottawa.....	100	1,924,900	2,000,000	1,781,000	4 & 1	June Dec	205	205 00
People's of N. E.....	150	180,000	180,000	155,000	4	.....	250	275 00
Provincial.....	25	873,437	781,245	.....	3	June Dec	155	155 00
Quebec.....	100	2,500,000	2,500,000	700,000	3	June Dec	132	132 00
Royal.....	100	2,000,000	2,000,000	1,700,000	3 1/2	Feb Aug	175	175 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	240	240 00
Traders	100	1,350,100	1,344,420	250,000	3	June Dec	112 1/2	112 25
Union (Halifax).....	50	800,000	990,000	505,000	3 1/2	Mch Sept	150	75 00
Union of Canada	100	2,000,000	2,000,000	550,000	3	June Dec	.....	.....
Western.....	100	500,000	401,339	150,000	3 1/2	Apl Oct	.....	.....
Agri. Sav. and Loan Co	50	630,200	630,200	192,000	3	Jan July	.....	.....
Ball Telephones Co	100	5,000,000	5,000,000	800,000	4 1/2	Jan *	168	168 00
Brit. Can. Loan & Inv. Co.....	100	1,937,300	395,451	130,000	2 1/2	Jan July	.....	.....
Brit. Mortg. Loan Co.....	100	450,000	399,214	120,000	3	Jan July	138	138 00
Can. Colored Loan Co.....	100	2,700,000	2,700,000	.....	.....	Jan *	55	55 00
Can. Landed & Nat'l Inv't Co.....	100	2,000,000	1,004,000	.....	.....	Jan July	90	90 00
Can. Per. & W. Can. M. Corp'n.	10	5,951,350	5,951,350	1,480,057	3	Jan July	115	57 50
Can. Sav. & Loan Co.....	50 & 7 1/2	750,000	750,000	250,000	3 1/2	Jan July	114	57 00
Central Can. Loan & Sav. Co	100	2,500,000	1,250,000	450,000	1 1/2	Jan July	136	136 00
Dominion Sav. and Inv. Co	50	1,000,000	934,200	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	.....	6	Mar *	61	61 00
Hamilton Prov. and Loan.....	100	1,500,000	1,100,000	356,752	3	Jan July	113	113 00
Home Sav. and Loan Co	50	2,000,000	200,000	200,000	3 1/2	Jan July	135	135 00
Huron & Erie Loan & Sav. Co	10	3,000,000	1,400,000	890,000	4 1/2	Jan July	179	89 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
London & Can. Loan and Ag.	50	1,000,000	377,287	87,500	3	Jan July	68	34 00
London Loan Co.....	50	679,700	678,550	160,000	3	Jan July	110	50 00
Manitoba & North-W. Ln Co	100	1,500,000	375,000	50,000	.....	Jan July	55	55 00
Montreal Telegraph Co.....	40	2,000,000	2,000,000	.....	2	Jan	168	67 20
Montreal Gas Co	40	3,000,000	2,998,640	.....	5	April Oct	241	96 00
Montreal Street Ry. Co.....	50	5,000,000	4,500,000	560,318	2 1/2	Feb. *	271	135 50
Montreal Cotton Co.....	100	1,400,000	1,400,000	600,000	4	Mch. *	132	132 00
Merchants Cot. Co.....	100	1,250,000	1,250,000	.....	4	Aug	95	95 00
Montreal Loan and Mortg.....	25	500,000	500,000	380,000	3 1/2 & 1	Mch Sep	137 1/2	34 27
Ont. Indus. Loan and Inv.....	100	466,800	314,386	150,000	3	Jan July	.....	.....
Ont. Loan and Deb. Co.....	50	2,000,000	1,200,000	550,000	3	Jan July	121 1/2	60 75
People's Loan and Dep. Co	50	600,000	600,000	.....	.....	Jan July	24	12 00
Real Est. Loan Co.....	40	373,720	373,720	50,000	2	Jan July	70	35 00
Richelieu and Ont. Nav. Co.	100	2,088,000	2,088,000	162,355	3	May Nov	112	112 00
The Royal Electric Co.....	100	2,250,000	2,250,000	320,155	.....	Jan. *	240 1/2	240 50
Toronto Electric Light Co.....	100	2,000,000	2,000,000	.....	.....	Jan. *	136	136 00
Toronto Mortgage Co	50	1,445,880	724,540	250,000	2 1/2	.....	78 1/2	76 50
Toronto Street Railway.....	100	6,000,000	6,000,000	.....	.....	Jan. *	103	408 00
Windsor Hotel .....	.....	.....	.....	.....	.....	.....	112 1/2	412 50

* Paying quarterly dividends.

To return to the Canadian Pavilion, it should be mentioned it is occupied with the products—and not so much with the manufactures of the Dominion. The exhibits of traders and manufacturers are comparatively few, and the responsibility of representing Canada has been mainly undertaken by the Government. The main object served by Canada's show here is to give those who see it an idea of the vast capabilities of the new country in producing mineral wealth, cereals and fruit, and also to indicate the vastness of the territory and the variety of the climate. In this object the Canadian authorities have achieved a success of which every Canadian may be proud.

The first object to claim attention on entering the Canadian Pavilion is the magnificent trophy of grains, grasses and cereals. This forms the centre-piece of the large circular dome, which rises to a height of forty feet. The trophy is circular at the base, and rises almost to the top of the dome, at the base of which, about 40 feet in circumference, four large arches are sprung to the walls, the whole being so arranged as to form a sort of temple of cereals. The grain and grasses are shown in sheaves and bunches festooned and wreathed in varied and artistic forms. On the immense stand in the centre are grouped hundreds of bottles of all shapes and sizes, containing specimens of wheat, oats, barley, rye, Indian corn, peas, flax, millet, buckwheat, and in fact all the leading varieties of grain, grasses and fodder plants which grow to such perfection in Canada. These samples are all carefully labelled, giving the name and address of the grower, yield per acre, etc. The collection contains thousands of samples, comprising over five hundred different varieties. The exhibit is probably the best of the kind ever seen in this country. It is an object lesson that cannot fail to impress everyone who sees it with the fact that Canada is a country rich in agricultural resources of almost endless variety. The list of

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Cuts will be inserted when received.

varieties of grain shown is as follows: Oats, 107 varieties; barley, 30 (two-rowed), barley, 38; fall wheat, 22; spring wheat, 117; peas, 61; Indian corn, 37; millet, 9; Soja beans, horse beans, flax and hops.

To the right of the trophy there is a splendid display of food products by Canadian firms.

Canada is celebrated for her fruit and here we find four pyramids containing fruit of all kinds preserved in antiseptic fluid. A long table artistically arranged contains fifty varieties of apples, which have been preserved in cold storage since they were picked last autumn.

The mineral section contains a great variety of specimens, suggestive of Canada's richness in mineral resources, and the immense possibilities which will follow in the way of development from increased investment of capital. The exhibit is an extensive one, including gold nuggets, gold copper ores, nickel and nickel products, various gold ores from different provinces, petroleum, graphite, coal, silver lead ores, iron and steel exhibits, mica, asbestos, manganese, antimony, mineral paints, copper ores, ornamental and building stones, bricks and clays, corundum, etc. The Mica Boiler Covering Company make a special display of their product.

Canada is famous for her richness in the wealth of her forests. The display in the forestry section in the Pavilion is attractive in appearance and pleasantly varied in the large number of exhibits of different classes of timber, many being shown in the log, square, as well as finished and polished. The specimens are all labelled. Photographs of many varieties of Canadian trees are displayed in frames made from the wood which they represent. A few pieces of furniture are also here shown, illustrating the manufactured product. This section includes splendid specimens (stuffed) of some of the noble animals in which sportsmen take great interest, and in which Canadian forests abound.

The Canadian Pacific Railway Company show a number of paintings in oil, and photographs illustrative of the

scenery in various portions of that great transcontinental railway.

DIALITE BITUMEN CABLES.

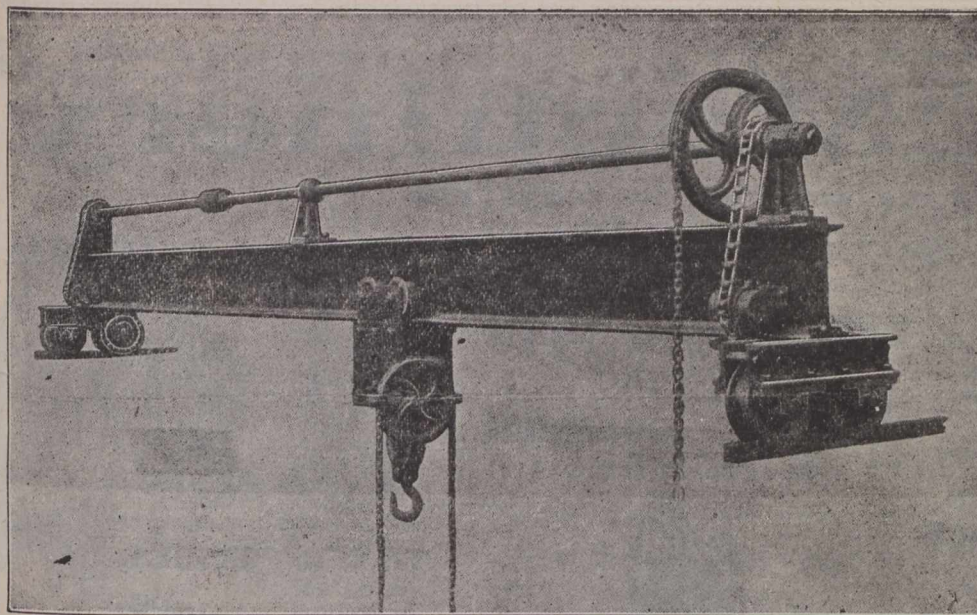
An entire revolution in the cable trade has been made by the production of dialite bitumen cables by the St. Helen's Cable Company, Limited, Warrington, England. Dialite is a vulcanized substance of the greatest durability, the raw material called bitumen having been in successful use for many years. It is purified by a special process on the latest scientific basis. This company manufacture two classes of cables, one dialite waterproof paper cable, in which all the advantages of fibrous insulation are preserved, without the defects to which this class of insulation is liable. The other class is Dialite Bitumen, where the insulation almost entirely consists of their patent Dialite. The company have had prolonged and exhaustive tests made upon these cables, and we are pleased to be able to subjoin the reports, one by Mr. C. H. Wordingham, an exceedingly well known engineer in that country, and who was at one time Municipal Engineer for Manchester. The other report is by Mr. T. L. Miller, of Liverpool, also very well known in his line.

One of the great advantages of this company's Dialite Bitumen wire is in its excessive cheapness as compared with vulcanized rubber. We learn, for instance, that off the present list issued by the Convention of Cable Makers in that country the discount allowed is 25 per cent. The St. Helen's Cable Company, on the other hand, can allow 40 per cent. off this list for their Dialite Bitumen Cables, from which it will be at once seen that the immense saving in the latter should be of particular interest to all Canadian electrical engineers. Our readers are requested to carefully consider the full import of this knowledge, for the great saving shown by this new introduction should at once suggest further knowledge which the sole manufactur-

ers, the St. Helen's Cable Company, will be pleased to give to any and all inquirers, together with quotations:

Report on Dia's Patent Waterproof Cable.—At the request of the St. Helen's Cable Company, Ltd., I visited their works at Warrington, on the 10th instant, and examined and carefully tested a length of Dia's Patent Waterproof Cable. I was informed that this cable had been under water for several days, and for the twenty-four hours immediately preceding my visit. The cable is insulated as follows: Next the core is placed a layer of paper lapped on in the usual way; the papers which is of the best quality manilla, is somewhat thicker than is ordinarily used, and is impregnated before being applied to the cable. After the lapping is complete, the covering is again impregnated, and is then taped. Over the tape is placed a layer of waterproof material, to which the name of Dialite has been given. It is not desired to disclose the composition of this material, but from the information given me, I am of opinion that it should be durable. The Dialite is lapped with tape in the same manner as a rubber covered cable, and is then vulcanised in steam. After vulcanisation is complete, the cable is finished with braiding treated with preservative compound in the usual way. I made the following measurements of the cable: Diameter of core covered over outside of strands, 0.322 inch; diameter over outside paper, 0.461 inch; diameter outside of tape, 0.482 inch; diameter over dialite, 0.671 inch; diameter of finished cable outside braiding, 0.816 inch. The above figures give a thickness of wall of 0.069 inch for the paper and 0.094 inch for the dialite. The length of cable tested was stated to be 220 yards, and the core was composed of 19 strands of No. 16 S.W.G. I submitted the cable to the following tests:

Insulation Resistance—This was measured by a battery giving about 600 volts, and I found the insulation resistance at the end of one, two and three minutes' electrification respectively to be as follows: Insulation resistance of length, after one minute's electrifica-



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tion, 1,265 megohms; permile, 158 megohms; after two minutes' electrification, 1,555 megohms; 194 megohms; after three minutes' electrification, 1,707 megohms; 213 megohms. The temperature of the water in which the cable was immersed was 42 degrees Fah.—Capacity.—After being tested for insulation resistance, the cable was earthed for ten minutes, and capacity was then determined and found to be 0.0988 microfarads for the length, corresponding to 0.79 microfarads per mile, the temperature of the water in which the cable was immersed being 42 degrees Fah.—Pressure Test.—An alternating pressure of 5,000 volts, having a periodicity of about 80 periods per second, was applied to the whole length for half-an-hour without the cable showing any signs of breaking down.—Break-down Test.—The pressure was next raised until the cable broke down, the dielectric being pierced at a pressure between 18,000 and 19,000 volts.—Bending Test.—A piece of the same length of cable which, as before stated, had been under water for several days, and for twenty-four hours immediately before the test was made, and to which a pressure of between 18,000 and 19,000 volts had been applied as described in the last test, and was cut off from one end, and was bent three times in all direction, making six bendings in all, round a drum about 7½ inches diameter. The drum was actually a tapering one, tapering from 7¼ inch to 7½ inch diameter. After bending, the length was immersed in water except for about a foot at each end, and an alternating pressure, having a periodi-

city of about 80 periods per second, was applied to it. The pressure was raised to rather over 14,000 volts and was maintained at this value for three minutes when the length broke down at a point about 4 feet 6 inches from one end.—Qualities of Dialite.—A test which I made of a wire insulated entirely with dialite showed this material to have a high dielectric strength as well as considerable insulation resistance.

General Remarks.—It is to be observed that the Dialite covering is thoroughly waterproof; this is shown not only by the tests described having been carried out after prolonged immersion in water, but still more conclusively by the material having been vulcanised in steam with the paper covering within it. Had it been at all pervious to moisture, the steam must have entered the paper and destroyed its insulation resistance. A cable insulated in the manner described has the advantages over a lead covered cable of (1) being unaffected by electrolysis; (2) having an insulating surface so that it cannot transmit a leak to other cables, nor carry currents that may cause the covering to fuse; (3) it is very much lighter, thus being easier and cheaper to handle; (4) it is much less costly. In those cases in which the mechanical protection afforded by a lead covering is of importance, the cable insulated as above described can be lead covered, the braiding then, of course, being omitted. When this is done, it possesses the advantage over an ordinary lead covered cable that if there be any defect such as a pin-hole

or flaw in the lead, or if the lead be damaged so as to admit moisture, the insulation of the cable is unaffected, since dialite prevents the moisture gaining access to the paper. In conclusion, I am of opinion that the invention is a useful one, and that ordinary lead covered paper cables are greatly improved by the addition of a layer of dialite between the paper and the lead, while, in many cases, where the conditions are suitable, dialite might with advantage be substituted for lead.—C. H. Wordingham, M. Inst. C.E., M.I. Mech. E., M.I.E.E., Brasenose street, Manchester, 11th February, 1902.

Report No. 2.—7, Tower Buildings N., Water street, Liverpool, 22nd March, 1902.—Messrs. The St. Helen's Cable Co., Ltd., Warrington.—Dear Sirs,—As requested by your Mr. Heyl-Dia, I carried out a series of tests on your new "Dialite" cables, and beg to report to you thereon, as follows:—The cable tested was 100 yards of 19/16 S.W.G. "Dialite" cable, which was insulated first with impregnated Manilla paper lapped on to a thickness of about 74 mils. and taped, then covered with "Dialite" waterproof composition to a thickness of 89 mils. and finally taped, braided and compounded. The cable, which had been in the testing tank for a week prior to the test, was first subjected to an alternating E.M.F. of 5,000 volts for 15 minutes, after which the insulation resistance was measured by a battery giving about 600 volts, and at the end of one minute's electrification was found to be 217 megohms per mile, the temperature of the water

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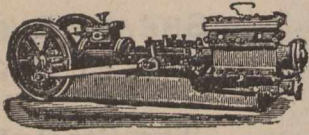
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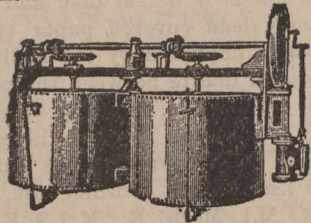
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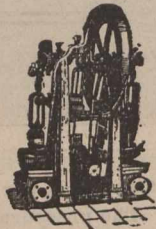
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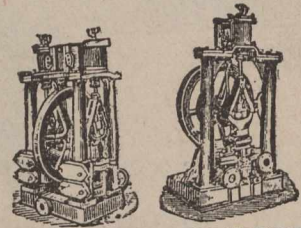
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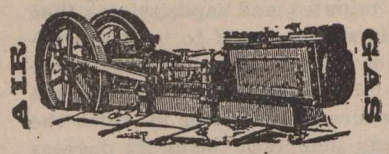
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in which the cable was immersed being 55 deg. Fah. Capacity tests on the cable were then made, which showed the cable to have a capacity corresponding to 1.18 microfarad per mile. A length of about 10 feet was then cut off the cable and bent 6 times round a 9 inch drum—3 times in one direction and 3 times in the reverse direction—after which it was immersed in the water, with the exception of the ends, and subjected to a gradually increasing alternating E.M.F. of about 80 periods per second, until it finally broke down at a pressure of 18,000 volts.

Ten days later, in order to check over my previous figures, I made further insulation and capacity tests on the same length of cable, the temperature of the water in the tank, and the other conditions, being the same as on the previous occasion, and under such test obtained the following result: Insulation resistance, 74 megohms per mile; capacity, 1.23 microfarad per mile. I may remark that in the interval between my first and second test the cable was lying about the works on its drum, the ends having been covered with rubber tape. In conclusion, I may say that I was very well satisfied with the behaviour of the cable under test, and was particularly pleased both

with the flexibility and the waterproofing properties of the "Dialite" covering.—I am, dear sirs, yours faithfully,
Thos. L. Miller.

Address all communications to The St. Helen's Cable Company, Limited, Warrington, England.

VEGETABLE OILS AT THE TROPICS.

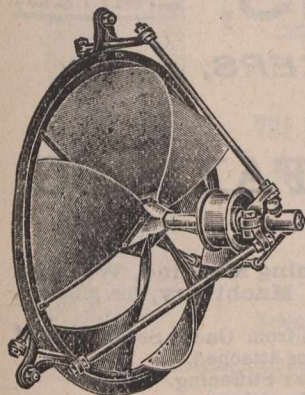
The oil-producing trees of Ceylon and the grease-oozing trees of South America are quite well known to the trade. In this article we will deal briefly with the singular oil-producing vegetation seen by a correspondent while travelling in the islands of the Southern Pacific Ocean. In the first series we show a tree growing in the island of Chusan. From this tree quantities of tallow-like compounds are obtained twice a year. The same type of tree flourishes in parts of China. While at Nagasaki the writer was shown specimens of this remarkable tree. The bark of the China product is used in connection with the making of fancy toilet soaps. The barks are pulverized and the oily matters are extracted by pressure and by a chemical operation. In the island

above mentioned, however, practically the same growth of tree is utilized in a different manner. Instead of the bark being used, the workmen secure the fruitage, and during the months of December and January these fruits are laden with an oil, which can be procured by a process of squeezing between rolls. Again there are oils obtained from this tree by means of tapping the saps. A common piece of hollow bamboo tube is used, about an inch in diameter, and this is tapped into the trunk near the base. Then there is a bamboo bucket suspended to the tube, and the oily substances which emerge with the sap are caught in this device, and retained for further treatment. The oily matters thus obtained are used in the making of soaps, candles and for lubricating purposes.

When the oily portions are secured from the barks of the tree, the bark is sectioned off and portions removed. The bark may then be handled conveniently. Sometimes the bark is chipped into bits previous to the treating of the same. In one establishment the mode of work consisted in grinding the bark down to a powdered state by a process of exposure to the revolving surface of an emery wheel. Again I saw natives pounding the barks in

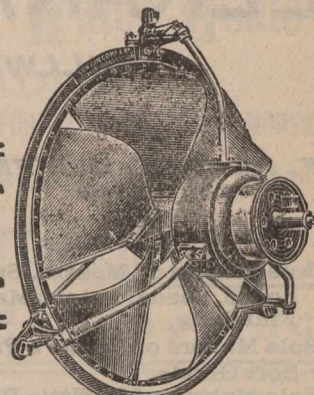
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mortars, and the barks were then treated to a drying out and extraction process, resulting in the procuring of a large percentage of the oily substances contained in the fibre.

There grows in the Gilbert Islands in the Pacific a species of berry-producing plant that fats of considerable usefulness may be obtained from. The writer observed the operations of the natives in this line of work. They obtain about 40 pounds of the berries from the ordinary sized growth, and these berries are put through the necessary operations for the extraction of what oily matters they may contain. Often the plants are in clusters so closely combined in the undergrowth that a number may be cut or treated at one operation. There is a plant of nearly the same description

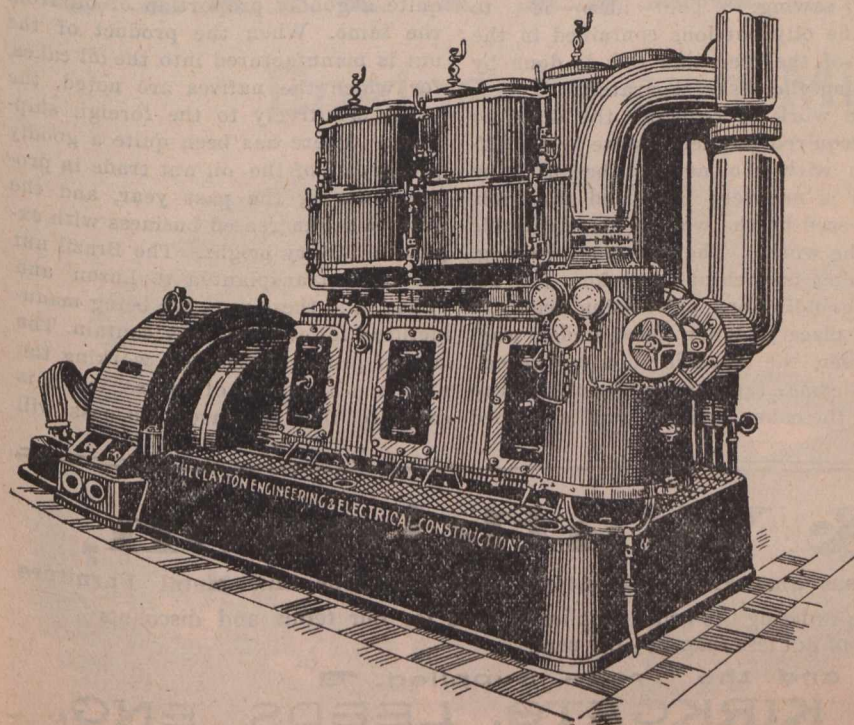
growing in India, from which the people secure fatty matters for the making of oils, cakes of soap, candles, etc. The berries are first subjected to the heat of the sun, followed by baking. Then comes the breaking up and pulverizing process, after which the material is boiled for several hours. This boiling process frees the fatty substance from the fibre, and the same may be removed by allowing the mass to settle. The fats will collect at the surface, where they may be removed when hardened.

The carnauba tree of the Southern Pacific islands is a most remarkable specimen. It produces gums and several species of oily matters from its saps and fruits. The roots of this productive tree are also treated. This tree is a species of palm. It grows to

considerable height and thrives well without culture. When the tree is young the natives collect the lumps of gummy matter which collect on it, and these gums are used in the making of varnishes for home consumption.

The pulp of this tree is used in soap making. The natives reduce the fibre of the wood to a pulpy order by grinding the wood on stones. Then the stuff is permitted to boil and soak in water until rendered much like ordinary pulp, except that in this case the pulp bears considerable proportions of oils, which may be extracted and used alone or utilized in combination with the pulp. The leaves of this tree are secured, which, when properly treated, makes a substance very similar to low grades of waxes. But the oily nuts of the tree are of the most value. The

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nuts are collected every season and prepared for a process of squeezing under rolls to break the shells. Then native boys remove the rich, oily meats and these are subjected to great pressure under the platens of screw presses or under excessive stone or metal weights. Often the weight is permitted to remain on for several days, during which intervals little jets of oily portions emerge from the mass.

I also managed to get a little information concerning the so-called sago tree of Ceylon. It seems that some of these trees have been transplanted in the Southern Pacific islands, and your correspondent was able to see the progress made. The sago tree is treated in a rather odd fashion to get its products. In Ceylon it has been the custom to reduce this tree to disks by sawing into pieces, and these disks are then reduced to powder. The necessary proportion of liquids is next applied, and then the masses are formed into cakes and hardening occurs by

heat from a fire or by exposure to the sun. Then the necessary sweetening and preparing takes place and the cakes known in Ceylon as sago cakes are made. The natives of the southern islands are cutting these trees into disks with crude saws. The tree is first felled and the small branches are trimmed off. Next the trunk is placed in position on a rock or the ground for sawing. The idea is to get the oily portions contained in the fibre of the tree, and this is done by treating the disks separately.

The work of reducing the disks to the required powdered state is not difficult with the natives, because the wood is not very hard and the tools possessed by the workmen are suitable for the work. There is much cutting, scraping and chipping before the actual grinding and pulverizing begins to take place. When once under way, however, the wood is soon powdered. Then comes the working into molds to form the cakes, and the stuff is shipped

in this order to the oil producers. The oil is extracted by treating the blocks to chemicals and by pressure in rolls and weighted platens, much like the processes previously noted.

The nuts of the argan tree of the Philippines is going to be a factor in the oil trade some day. It contains considerable oil, and the natives with their crude devices are able to get quite a goodly proportion of oil from the same. When the product of the nut is manufactured into the oil cakes, for which the natives are noted, the cakes sell freely to the foreign shipping. There has been quite a goodly proportion of the oil nut trade in progress during the past year, and the outlook for increased business with exporters is very bright. The Brazil nut has been transplanted to Luzon and Panay, and these nuts are being manufactured for the oils they contain. The lack of proper devices for working the nuts is a handicap, of course, but it is expected that increased business will

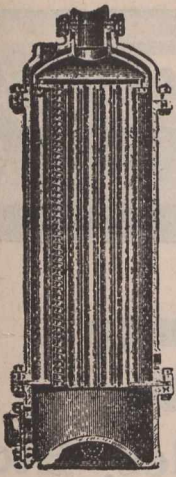
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result in the importing of modern machinery for handling these oil nuts. It resembles a cocoon, but is smaller. The natives have eaten the fruit and brought on dysentery. The natives then eat the leaves of the tree to offset the effects of the nuts. The real value of the ivory nuts is in the oils contained in the meats. These could be extracted and used commercially. Then we should mention the funny three-cornered nut. This nut thrives in the Southern Sea districts and has over its contents but a thin shell. I saw natives eating the contents of the nuts, and observed the oily nature of the substance. Evidently there is oil in these growths well worth the handling. Along the edges of the houses where the rainfalls have caused the roofing to the storm-swept, one may see indications of greases, these evidently coming from the rains which were washed over the roof. The nut itself I found to be quite as well loaded with oil substance as the shell is with miniature nuts. We should also note the peculiar style of mortar used by the Sulus. One I saw was merely

a stump of a tree hollowed out and a pounding tool of stone. Here the nuts, berries, etc., may be placed in the hollow and the process of reducing to a powdered state for crushing for the oils commenced. All of these processes are of the crudest possible, as may be seen. There is little or no mechanical apparatus in use. Every device is operated by manual labor, and is of the old-fashioned type of the forefathers.

MODERN TARIFF SYSTEMS.

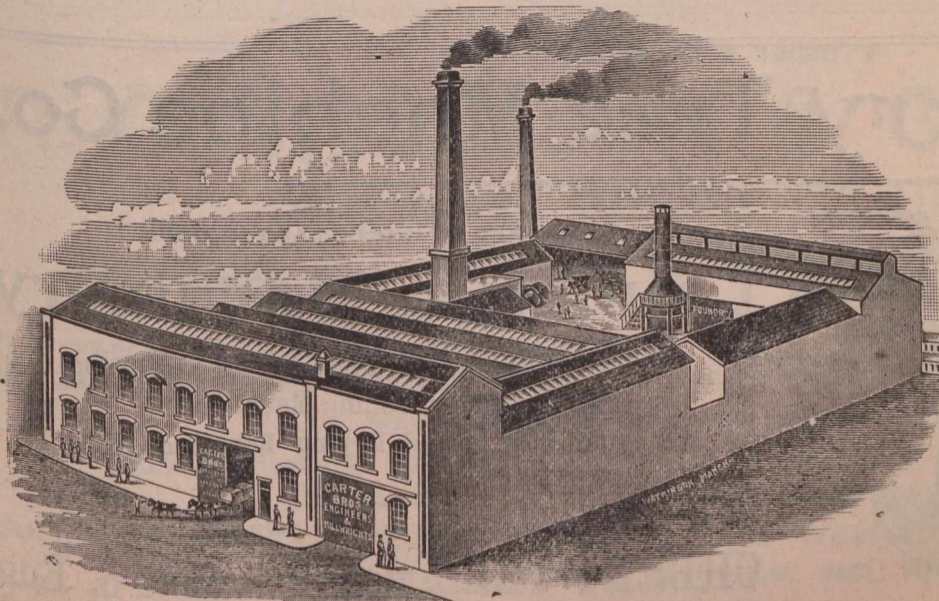
"Modern Tariff Systems" is the title of a monograph issued by the U. S. Treasury Bureau of Statistics. It presents a statement of the three distinct tariff systems now applied in the principal commercial countries of the world, and is of especial interest at this time, in view of the tariff discussions and pending tariff legislation in certain European countries. The tariff systems now in use among the prominent countries of the world may be

classed under three heads: (1) The general tariff system; (2) The general and conventional tariff system and (3) The maximum and minimum tariff system. The system of a general tariff is the simplest of those enumerated, and consists in having a single schedule of import duties, which is applied to the goods of all countries without distinction. Such a tariff is altogether an act of the legislative branch of the government. It takes account only of the needs of the home country and recognizes foreign commercial relations only in so far as the latter are in harmony with home interests.

The system of general and conventional tariffs, however, makes a distinction between goods which come from different countries. The fact that nations which make use of a general tariff often find themselves compelled to change this tariff when they later make commercial treaties is evidence of how difficult it is to maintain such a tariff intact. But since modern nations are practically compelled to have more or less commercial relations with each other some way of re-

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gulating these relations must be found, and the usual method of securing this end is by means of a mutual understanding between the countries in question. Generally one nation declares itself ready to grant some concession or reduction in its tariff if a corresponding concession is offered in return. If an agreement is reached, a treaty is made, and, as a rule, the willingness is expressed to make fur-treaties with other countries under similar conditions. Such a treaty will usually introduce new tariff rates. If the State substitutes these rates for those in the general tariff then no change in the system takes place. The usual course, however, is for the State to now maintain two columns in its tariff schedule. The first for those countries enjoying the "most-favored nation" treatment, which is called the treaty or conventional tariff, and the second containing the original rates, for those countries not receiving this treatment, and termed the general tariff.

The rates of the conventional tariff are, of course, never higher than those

of the general schedule, and are usually lower. It may be, however, that one nation regards it of importance that a certain rate, a reduction of which is refused by the other power, should not be increased during the period for which the treaty is made. The making of an agreement that rates shall not be changed is termed "binding" such rates. That is, the conventional tariff schedule is composed of reduced and "bound" or fixed rates. The general schedule may be changed at any time without breaking any of the conditions of the treaty, but the conventional schedule can only be changed by the consent of both parties.

The general tariff is framed with the acknowledged purpose of being the basis for the negotiations of commercial treaties. A conventional schedule is drawn up in these treaties, and by the action of the most-favored-nation clause, the conventional tariff becomes so extended in application that, as a rule, it is the exception to apply the general tariff. For this reason the general tariff is regarded mainly in the

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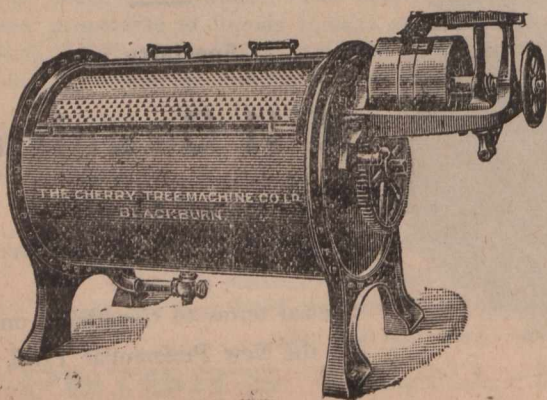
light of a preliminary sketch of the real tariff. As a consequence, the rates in the general schedule are not infrequently made rather high, so that they can readily be reduced and concessions demanded in return. There is always the possibility, however, that the negotiations may be broken off for some unforeseen reason and the undesired high rates become actual rates. This possibility generally exerts a restraining influence in the framing of the general tariff. The course which events in the field of commercial policy may take will always exert considerable influence in the formation of such tariff schedules, but the main consideration must always be the needs of the home producers.

The most prominent country using the general and conventional system is Germany. The general tariff is practically that of 1879, with the later amendments. The conventional tariff is made up of the schedules contained in the commercial treaties with Austria, Italy, Belgium, Switzerland, Russia, Roumania, Greece and Servia. Partially through commercial treaties and

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partially through the action of the Administration in making most-favored-nation agreements, Germany has extended the application of the conventional schedule until it is now given to all European countries except Portugal. The general tariff, therefore, has only a very limited scope, and in this case may be regarded as a penalty tariff. In Austria the general tariff is based on the laws of 1882 and 1887. The conventional tariff is the result of several commercial treaties and practically applies to all countries of importance.

The maximum and minimum tariff system is distinguished from the above system, first of all, in its form. Instead of having two rates for a few articles it has two rates on most articles on which duties are imposed, and for this reason is frequently called the double-tariff system. In the application of these rates the maximum schedule corresponds to the general schedule and the minimum schedule to the conventional schedule of the system just described, since the minimum rates are given only to those countries which receive the most-favored-nation treatment. The characteristic difference between the two systems, however, arises from the difference in their origin. The minimum schedule is not drawn up by negotiations between the executives of

the two countries but is framed by the legislative body at the same time that the maximum schedule is made. That is, the legislative power fixes two rates of duty on each article in the tariff. The higher is the one which fixes the maximum extent to which those articles may be taxed on entering the country; the lower, or minimum rate, is the one which fixes the minimum extent to which the duty may be lowered. If it is desired to make commercial treaties at any time these two rates show the exact limits between which the treaty rates are to be fixed.

INSURANCE DECISIONS.

Right of Beneficiary.—Where a benefit insurance policy is payable to the wife of the insured, her interest in it is of mere expectancy, which is defeated by a failure to survive the husband. *Southwell et al vs Gray*, 72 N.Y. Supp. 342.

Tender of Assessments.—Where a beneficiary association has refused a member's assessment, it cannot defeat a claim for benefit because a subsequent assessment was not tendered. *Wagner vs Supreme Lodge Knights and Ladies of Honor*, 87 N.W. Rep. (Mich.) 903.

Time Insurance Takes Effect.—Where a certificate is issued by a beneficiary association, and sent to a subordinate lodge for a member, the contract is complete, although the certificate is not actually delivered. *Wagner vs Supreme Lodge Knights and Ladies of Honor*, 87 N.W. Rep. (Mich.) 903.

Unauthorized Insertion by Agent.—Evidence of the unauthorized insertion in an insurance policy, on request of the insurance agent, of a provision contrary to that which had been agreed upon between him and the insured, and evidence of the agent's assurance, in response to an inquiry by the insured at the time when the policy was delivered, to the effect that the policy conformed to their agreement, is admissible, on the question whether the insured was or was not bound by the inserted provision, either on the ground that he had requested it or that he was negligent in not reading the policy. *Fred. A. McMaster vs New York Life Insurance Company*, 22 Sup. Ct. Rep. (U.S.) 10.

Unnecessary Exposure to Danger.—In an action on an accident policy excluding from the risk loss of limb resulting wholly or partly, directly or indirectly, from "unnecessary exposure to danger," it was shown that plaintiff, while hunting, placed his gun, loaded and cocked, against a fence, and, after

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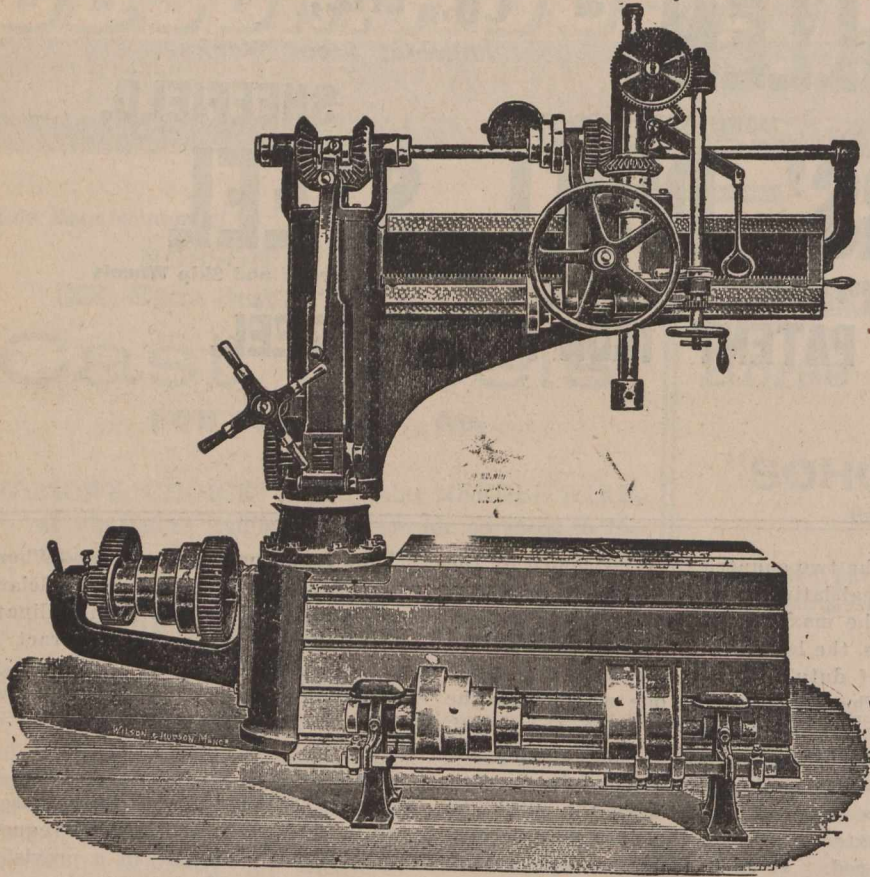
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climbing over, was injured in the wrist, necessitating the amputation, by a discharge of the gun when he attempted to draw the same through the fence. Held, that the injury resulted from an unnecessary exposure to danger, precluding recovery. *Sargent vs Central Acc. Ins. Co.*, 87 N. W. Rep. (Wis.), 796.

Act of Agent held not Extension of Time.—A general agent of a life insurance company issued a policy to its medical examiner, the agent to advance the first premium, which was to be repaid to him by the examiner from his future fees. The agent made no payment to the company, nor did he report that the premium had been paid, and the insured died, before making any payment to the agent. The contract provided that it should not go into effect, until the first premium had been actually paid. Held, that no extension of time for the payment of the premium had been granted, and the policy was never operative. *Hewitt vs American Union Life Ins. Co.*, 23 N.Y. Supp. 105.

Adjustment of Loss.—An adjuster sent out by insurance companies to determine the amount of and settle an alleged loss, is authorised to exercise their option to pay the damages or to reconstruct or repair the building injured. *Lancashire Ins. Co. of Manchester, England, vs Barnard*, 111 Fed. Rep. (U.S.) 702.

Condition as to Assignments.—An insurance company may, by contract, affix such conditions as it sees fit to the assignment of its policies. *McQuillan*

vs Mutual Reserve Fund Assn., 87 N.W. Rep. (Wis.) 1069.

Custom as to Binder Slips.—Where, in an action on a binder slip, proof is presented to show a custom with reference to the termination of risks under such binders, which was that, on notifying the broker that the risk was declined, all insurance thereunder was terminated, and that a notice similar to the one given had been in use for a long time, the question whether the binder was a temporary arrangement, and was so understood by the parties, is for the jury. *Underwood et al vs Greenwich Ins. Co.*, 73 N.Y. Supp. 251.

Engaging in Liquor Business Prohibited.—In an action on a benefit certificate, defendant claimed forfeiture by misstatements in the application as to the insured being engaged in the liquor business. A by-law of the Association precluded one employed in such occupation becoming a member thereof. The officers and members of the subordinate lodge to which insured belonged had full knowledge that he was engaged in the liquor business when the certificate was issued, and continued to receive dues and assessments from him on the certificate, and to treat him as a member. Held, that the subordinate lodge was the agent of the supreme lodge, and that the right of forfeiture was waived. *Coverdale et al vs Royal Arcanum*, 61 N.E. Rep. (Ill.) 915.

Interest of a Life Tenant.—A life tenant, insuring the building on the premises as his own, is only entitled on the policy to the actual value, at the

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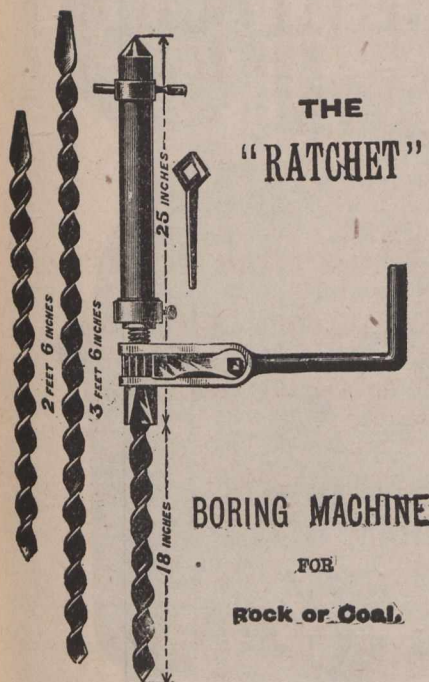
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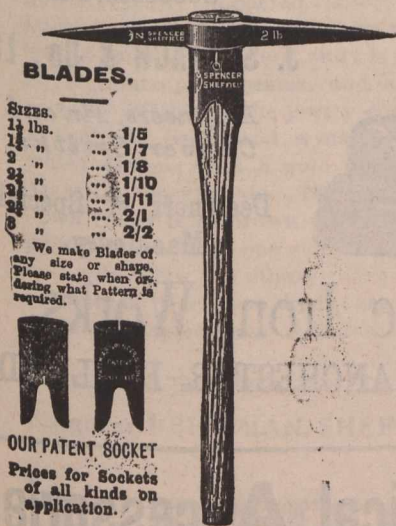
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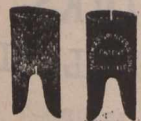
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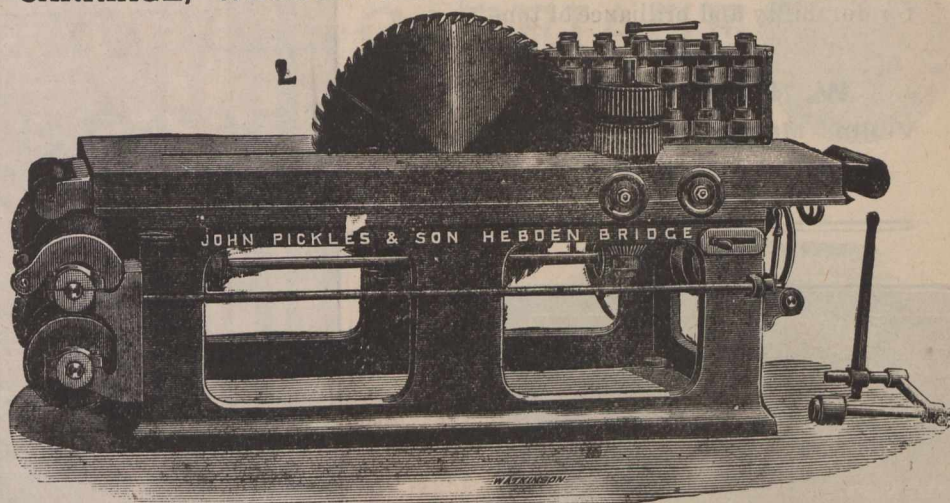
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time of the fire, of his right to use the same during his life; the value of such use being determined from the locality and surroundings of the property, that being the measure of his insurable interest. *Beekman et al vs Fulton and Montgomery Counties Farmers' Mut Fire Ins. Ass'n.*, 73 N.Y. Supp. 110.

Inventory Before Loss Not Binding.—Where an inventory made by the assured some time before a fire included waggons, etc., under the head of "Camp Equipage," but there was no evidence to show that the inventory had any connection with the insurance contract, the classification in the inventory would not be binding, so as to prevent recovery for the loss of the waggons, etc., under the heading "Waggons, Sleighs and Harnesses," in the proofs of loss. *Beyer vs St. Paul Fire and Marine Ins. Co.*, 88 N.W. Rep. (Wis.) 57.

Inventory of Property Destroyed.—Where an insurance policy required schedules to be made, in which shall be inserted the "cost of such articles," the fact that second-hand property was inserted therein with the full original cost set against it, does not show willful fraud on the part of the assured, who was an illiterate farmer's wife. *Beyer vs St. Paul Fire and Marine Ins. Co.*, 88 N.W. Rep. (Wis.) 57.

Iron-Safe Clause.—An agreement by insured to keep an iron safe, and keep his books therein, was not binding where the agent knew no such safe was kept, and there was no consideration for the agreement. *Germania Ins. Co vs Ashby*, 65 S.W. Rep. (Ky.) 611.

THE FASHIONS.

Better one perfectly built tailor-made gown than a variety of poorly fitting frocks has long been the belief of the woman who would be well dressed. Simplicity and a good cut far outweigh a multitude of frills and "incrustations" applied as an afterthought in order to hide a poor fit. Neatness is the first requisite of style; not that absurd neatness which forbids a curl and frowns on a flounce, but rather that well groomed, well-turned-out appearance which can only be achieved by those who give not only time, but intelligent attention, to the subject of clothes.

The woman who is fond of tailor-made gowns is in luck this spring, for the tailor-made is pre-eminently the correct thing, and is not only confined to cloth, but finds its way into the domain of silks, while the tailor-made "tub" gown will be the gown of summer. Always charming, no matter in what material they are carried out, they take on a new attractiveness when light colours and dainty accessories are made possible by the coming of warm weather. One of the most exquisite gowns of this description that has been turned out in London this season is of pastel blue cloth. The gored skirt is very simple, being finished with several rows of stitching. The smart little bolero coat is finished with a postilion black, and has a collar of white miroir velvet, painted with violets and a few pink rose buds, the effect being that of old brocade. The fronts of the coat are brought together by narrow straps of velvet caught with silken ornaments

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in the shape of flowers. Another beautiful gown is of fine white wool in princess style. The gown—which is trained—has a shaped piece of cream Renaissance lace around the edge, and some medallions of the lace inserted above, through which shows the white silk of the foundation skirt. A deep yoke that is almost a jacket is made of the lace. The sleeves, which have little fullness at the top, fit snugly to the wrist, where they are finished by a fall of lace. The beauty of this gown lies in its simplicity, and the perfection of its fit.

The postilion black is in decided favor, and the short basque at present threatens to replace almost entirely the waist that is without tails. Skirts in spite of the reformer, continue long. There is something so graceful in the sweeping dress that one can almost find an excuse for the woman who insists on having a train on her walking gown. Stitching retains its place in popular favor, and narrow bias folds appear on many of the more simple gowns. Strappings still hold their own, and lace is frilled, or applied, or inserted upon the tailor gown quite as often as upon any other. Indeed the craze for decoration is so great that the simple tailor-

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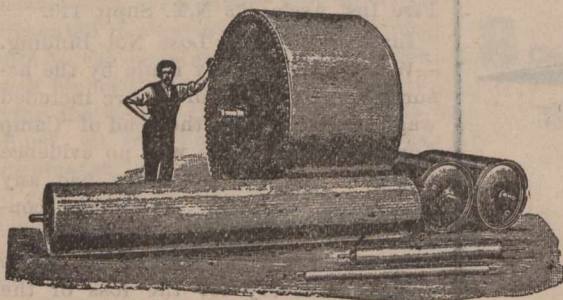
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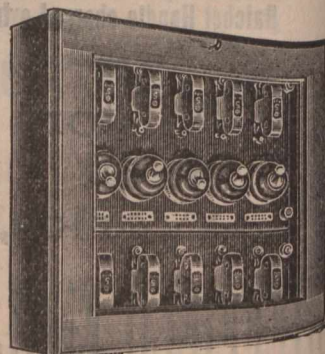
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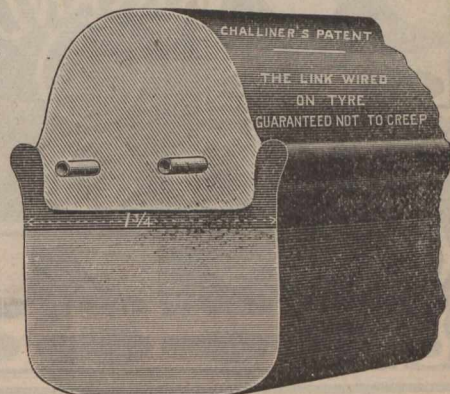
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made garment, so ubiquitous in the past, is now almost as extinct as the dodo. One extremely smart walking gown recently imported, is of Irish frieze, in a shade a little deeper than a biscuit color. The short skirt is finished with strapped seams, and several rows of stitching. The pretty coat has a postilion back, and a narrow belt which fastens with a gold buckle beneath the loose fronts. The small turn down collar is of brown velvet. Small gold buttons finish one side of the coat and gold loops the other.

Some of the new skirts are made with an empiecement round the hips,

from which hangs the skirt proper, which is arranged in many cases in tucks or pleats. This style is not only popular in thin materials, but in cloth as well. The skirt with the shaped flounces, one over the other, is very popular, as is also the skirt having three shaped flounces around the hem, very narrow in front and gradually widening until they almost come up to the waist band in the back. This mode is most suitable for a short person as it gives the lengthening effect of a polonaise. An extremely chic gown, recently seen, was of dark blue cloth. The coat was of Eton shape, close fit-

ting, and made with three stitched straps slanting down from neck and shoulder seams to the scroll-like ends that terminated in the centre of the back, the strappings that trimmed the edge of the jacket. The skirt was quite plain in the back, but in front, and on the sides, one inch pleats extended from the belt to within four inches of the hem, where they spread out.

Travelling gowns are beginning to occupy the minds of most women who go away for the summer. This year, if advance models can be trusted, travelling dresses will be more elaborate than the conservative will regard with

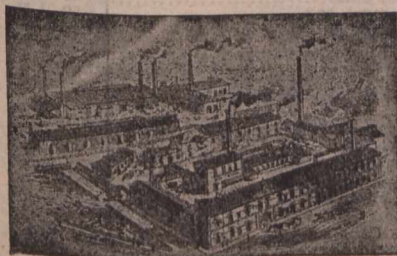
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SHEFFIELD, - ENG.



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Music Wire, Steel Wire of every Description.

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under the New Tariff.

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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, MAY 23, 1902.

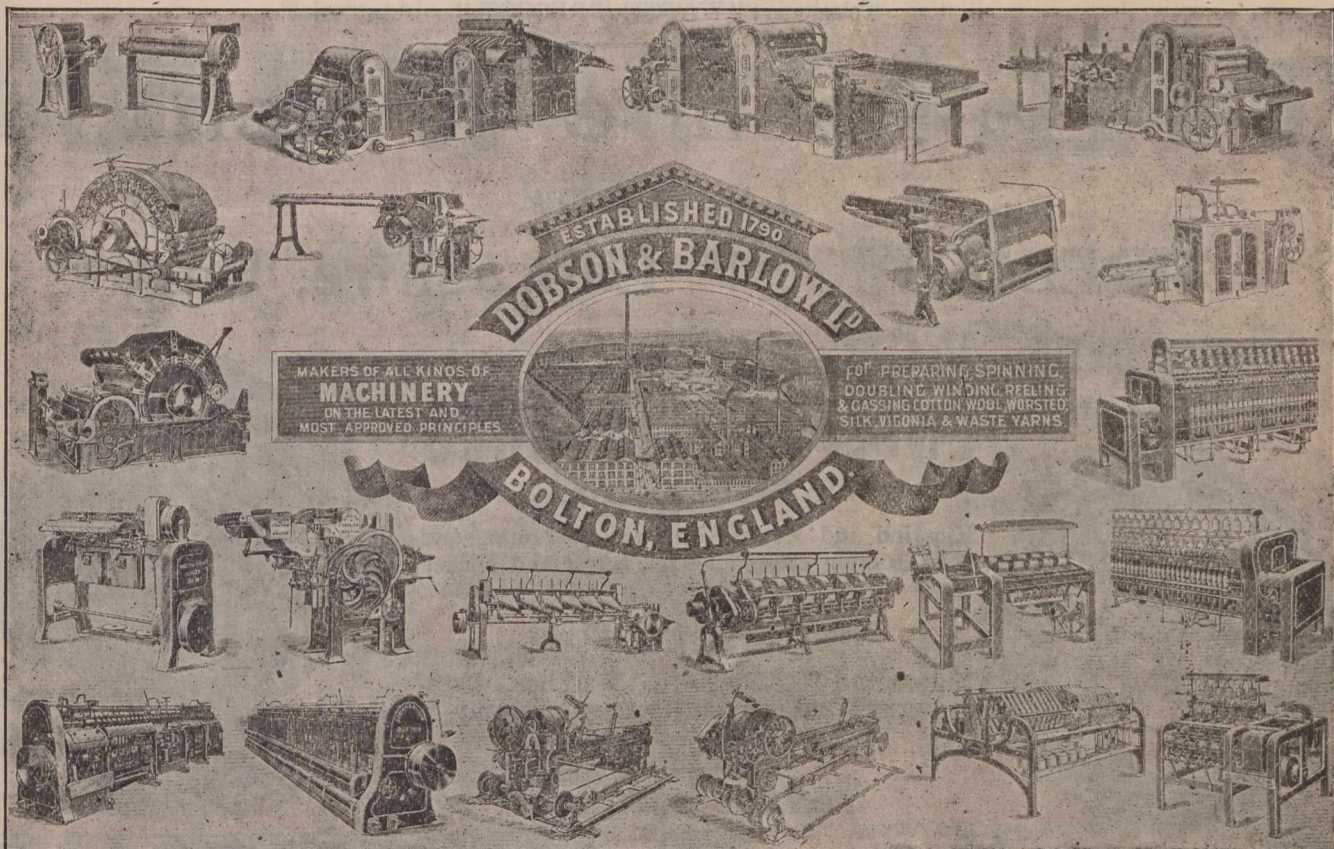
Name of Article.	Wholesale	
	\$ c.	\$ c.
Drugs & Chemicals		
Acid Carbolic Cryst medi.....	0 30	0 35
Aloes, Caps.....	0 16	0 18
Alum.....	1 40	1 75
Borax, xtls.....	0 04	0 08
Brom. Potass.....	0 70	0 80
Camphor, Ref Rings.....	0 00	0 80
" Ref oz. ck.....	0 50	0 85
Citric Acid.....	0 35	0 40
Citrate Magnesia lb.....	0 25	0 45
Cocaine Hyd. (ox).....	5 50	6 00
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 55	1 65
Oil Peppermint lb.....	2 75	2 50
Oil Lemon.....	1 15	1 25
Opium.....	8 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 85	0 45
Strychnine.....	0 65	0 80
Tartaric Acid.....	0 25	0 33
Licorice.—		
Stick, 4, 6, 8, 12, & 16 to lb., 5 lb. boxes.....	2 00	0 00
Acme Licorice Pellets, cans.....	2 00	0 00
Licorice Lozenges, 1 5 lb. cans.....	1 50	0 00
Heavy Chemicals.		
Bleaching Powder.....	1 75	2 50
Blue Vitriol.....	4 25	6 50
Brimstone.....	2 00	2 50
Caustic Soda 80.....	2 25	2 50
" 70.....	2 50	2 75
Soda Ash.....	1 25	1 80
Soda Bicarb.....	1 75	2 25
Sal. Soda.....	0 75	0 85
" Concentrated.....	1 50	2 00
Dyestuffs.		
Archil, cob.....	0 27	0 29
Cutch.....	0 04	0 09
Ex. Logwood.....	0 09	0 13

approval. Black brocaded cloth so woven that it looks like silk brocade, already appears popular. In addition to the objection raised by the richness of the material in some of these new models, the style is also open to criticism. The skirt of one of these recently imported suits is of black brocaded cloth, made quite plain, but with a long train. The bloused coat which is designed for wear over a white shirt waist, is full and loose and finished with a very deep sailor collar. Another tailor-made travelling dress, which is much more useful, though less smart, is cut ankle length, and built of dark blue cloth. Both the skirt and the blouse coat are trimmed with stitched bands of cloth. A general utility suit, which can be worn for out of door excursions as well as for travelling, will prove a boon to the woman who doesn't want to be burdened with many garments. Such a suit, made of gray cloth, and trimmed with folds of black silk, edged with blue, is both useful and ornamental; the latter consideration being one which weighs heavily in the mind of the average woman. Another very attractive travelling gown, designed for mid-summer wear, is of black linen, made over black taffeta, and trimmed with bands of the linen.

The first of the three gowns mentioned is of fawn cloth, the skirt finished with many rows of stitching, above which is a stitched band of cloth finished with small tabs, caught with

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, MAY 23, 1902.

Name of Article.	Wholesale.	
	\$ c.	\$ c.
Chip Logwood.....	1 75	2 50
Indigo (Bengal).....	1 50	1 75
Indigo Madras.....	0 70	1 00
Stambler.....	0 06	0 07
Madder.....	0 09	0 12
Sumac.....	60 00	65 00
Tin Crystals.....	0 23	0 30
Fish.		
Bloaters, per box.....	1 00	1 25
Labrador Herrings, N. B.....	0 00	0 00
Herrings, Nova Scotia.....	0 00	5 20
Mackerel No. 2, brls.....	0 00	12 50
" 1/2 barrel.....	6 00	6 50
Green Cod, No. 1.....	6 00	0 00
Green " large.....	0 00	8 00
No. 2.....	5 00	0 00
Large dry Gaspe per qntl.....	5 00	5 25
Salmon, brls Lab.....	11 50	14 00
Salmon, (half brls).....	0 00	6 50
" Brit. 501 brls.....	11 50	12 00
Boneless Fish.....	0 04	0 00
" Cod.....	0 05	0 06
Skinless Cod, case.....	5 00	5 50
N. S. Salt Herrings, in half-barrels	0 00	3 00
Loch Fyne Herrings, keg.....	1 10	1 15
Flour.		
Ogilvie's Hungarian.....	0 00	4 30
Ogilvie's Glenora Patent.....	0 00	4 00
Manitoba patents.....	4 00	4 20
Strong Bakers.....	3 70	3 90
Winter Wheat patents.....	4 00	4 10
Straight roller.....	3 65	3 80
do bags.....	1 75	1 85
Superfine.....	0 00	0 00
Rolled Oats.....	5 20	5 30
Corn meal, bag.....	1 50	1 55
Bran bulk.....	19 00	20 00
Shorts.....	21 00	22 00
Mouille.....	24 00	27 00
Farm Products.		
BUTTER: Choicest Western Cr.....	0 19	0 20
Eastern do.....	0 00	0 00
Under Grades Cr.....	0 17	0 18
Townships Dairy.....	0 18	0 19
Western Dairy.....	0 16	0 17
Good to choice.....	0 14	0 15
Fresh Eggs.....	9 16	9 17



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

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, MAY 23, 1902.

Name of Article.	Who lease	
	\$ c.	\$ c.
Farm Products.—Con.		
Onions:		
Finest, Sept.....	0 11	0 11
Eastern, do.....	0 10	0 11
Quebec.....	0 00	0 00
Bees: New laid (shipped).....	0 14	0 14
Held fresh.....	0 00	0 00
Straight fall.....	0 00	0 00
Limed.....	0 00	0 00
Cold storage.....	0 00	0 00
SPERMINS—		
Potatoes, per bag of 90 lbs.....	0 90	1 10
Honey, White Clov., Comb.....	0 13	0 14
“ Extracted.....	0 07	0 08
Beeswax.....	0 25	0 30
BEARS: prime.....	1 25	1 30
do. Best hand-picked.....	0 00	0 00
Groceries		
Sugars: Factory.		
Ex Granulated, brls.....	0 00	3 70
Acadia gran'd.....	0 06	3 65
Ex Ground, in brls.....	0 00	4 45
“ in bxs.....	0 00	4 45
Powdered, in brls.....	0 00	4 20
“ boxes.....	0 00	4 35
Paris Lumps, in brls.....	0 00	4 45
“ half brls.....	0 00	4 45
“ 100-lb bxs.....	0 00	4 45
“ 50-lb bxs.....	0 00	4 55
Branded Yellow.....	8 00	8 55
Molasses (Barbados).....	0 24	0 27
do brls. & 1/2s.....	0 26	0 30
Evaporated Apples.....	0 09	0 11
Raisins:		
Sultanas.....	0 09	0 12
Loose Musc. Malaga.....	0 08	0 10
Layers, London.....	0 00	1 50
Con. Cluster.....	0 00	2 00
Extra Dessert.....	0 00	2 75
Royal Bucking'm.....	0 00	3 25
Valencia.....	0 08	0 08
“ Selected.....	0 08	0 08
“ Layers.....	0 08	0 07
Currents, Provincials.....	0 01	0 05
Filatras.....	0 00	0 08
Patras.....	0 00	0 10
Vostizas.....	0 00	0 07
Prunes, Cal.....	0 07	0 09
do French.....	0 04	0 05
Figs in bags.....	0 08	0 10
“ new layers.....	0 08	0 13
Rice, C. C.		
standard B.....	0 00	3 00
“ Patna..... 100 lb.....	4 25	4 75
“ Burmah.....	4 00	4 10
“ Crystal Japan.....	4 50	0 00
“ Carolina..... Java.....	0 00	5 37
Pot Barley, bag 48 lbs.....	0 00	2 00
Pearl “ per lb.....	0 03	0 05
Tapoca, Pearl.....	0 03	0 04
“ Flake.....	0 03	0 04
Corn, 2 lb tins.....	0 80	0 85
Peas, 2-lb tins.....	0 82	0 85
Salmon, 4 doz. case.....	8 60	5 00
Tomatoes, 3s. per doz.....	0 97	0 95
Spring Beans.....	0 80	0 85

tiny gold buttons. The smart blouse coat is lined with white satin the same material forming the deep sailor collar, revers, and tabs, all of which are embroidered in a design of small pink flowers. The rim of the fawn straw hat is faced with brown velvet, the trimming consisting of a silk scarf in shades of pink and fawn, and pink flowers.

The third model is of gray frieze, stitched about the edge of the skirt and on the coat, in a fashion simulating a bolero. The waist coat which is of plain gray cloth is fastened with three silver buttons, and opens over a white silk blouse. The bell sleeves are stitched, and faced with dark gray velvet, the same material forming the belt and revers.

The second model illustrates a gown of navy blue cloth, the skirt made with stitched flounces. The smart blouse coat has wide satin revers, applique with cream lace. The pointed belt is of blue panne velvet, and the large buttons decorating the coat are of cut steel. The hat worn with this costume is of black chiffon, and violets, with streamers of black taffeta.

PRESERVATION OF EGGS.

Just now, when eggs are cheap, many are interested in some method of preserving. Nowhere have experiments been more carefully carried out than by Prof. F. T. Shutt, chief chemist to the Dominion Experimental Farms. He says:

The results of experiments in egg preservation commenced in 1898 and continued in 1899 and 1900, have already been published in the annual reports of the Experimental Farm. They go to show that of all the preservative fluids and methods used, none gave

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, MAY 23, 1902.

Name of Article.	Wholesale	
	\$ c.	\$ c.
Hardware.		
Antimony.....	0 09	0 10
Tin. Block, L & F, W D.....	0 00	0 34
“ Straits.....	0 00	0 00
“ Strip.....	0 00	0 30
Copper: Ingot.....	0 00	0 00
CUT NAIL SCHEDULE.		
Base Price, per Keg, car lots.....	2 37	0 00
Less quantity.....	2 45	0 00
Extras—Over and above 30d., 40d., 50d., 60d and 70d Nails.....		
Cut and Fence Nails—		
16 and 20d Hot Cut, per 100 lbs.....	0 05	0 00
10 and 12d “.....	0 10	0 00
8 and 9d “.....	0 15	0 00
6 and 7d “.....	0 30	0 00
4 and 5d “.....	0 40	0 00
3d “.....	0 65	0 00
2d “.....	1 00	0 00
Cut spikes 10c, per Keg advance.....		
Fine blued nails—		
3d per 100 lbs.....	1 00	0 00
3d.....	1 50	0 00
Casing, Box, Tobacco Box and Flooring Nails—		
30 to 30d per 100 lbs.....	0 55	0 00
10 to 16d “.....	0 60	0 00
8 and 9d “.....	0 65	0 00
6 and 7d “.....	0 70	0 00
4 & 5d “.....	0 95	0 00
3d “.....	1 20	0 00
Finishing nails—		
3 inch and longer per 100 lbs.....	0 60	0 00
2 1/2 and 2 3/4 inch.....	0 65	0 00
2 and 2 1/4 “.....	0 70	0 00
1 1/2 and 1 3/4 “.....	0 95	0 00
1 1/4 “.....	1 20	0 00
1 “.....	1 50	0 00
Slatting nails—		
1 1/2 and 1 3/4 inch per 100 lbs.....	0 95	0 00
1 1/4 “.....	1 20	0 00
1 “.....	1 50	0 00
Common barrel nails—		
1 1/2 inch per 100 lbs.....	1 00	0 00
1 “.....	1 00	0 00
3/4 “.....	1 25	0 00
1/2 “.....	1 50	0 00
Clinch nails—		
3 inch and longer per 100 lbs.....	0 60	0 00
2 1/2 and 2 3/4 inch.....	0 65	0 00
2 and 2 1/4 inch.....	0 70	0 00
1 1/2 and 1 3/4 “.....	0 95	0 00
1 1/4 “.....	1 20	0 00
1 “.....	1 50	0 00
Sharp and flat pressed nails		
3 inch and longer per 100 lbs.....	1 25	0 00
2 1/2 and 2 3/4 inch.....	1 50	0 00
2 and 2 1/4 “.....	1 65	0 00
1 1/2 and 1 3/4 “.....	1 85	0 00
1 1/4 “.....	2 50	0 00
1 “.....	3 00	0 00
Coil Chain—No. 6.....	0 11	0 00
“ 5.....	0 10	0 00
“ 4.....	0 09	0 00
“ 3.....	0 09	0 00
1/2 inch.....	0 07	0 00
5-16.....	4 35	0 00
3/8.....	4 25	0 00
7-16.....	4 00	0 00

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LIMITED.

PRESCOT, Lancashire, Eng.

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ENGLISH WATCHES

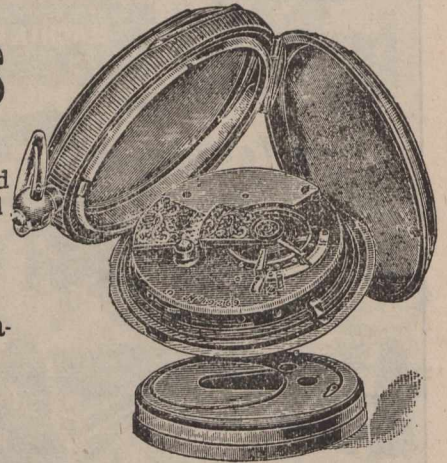
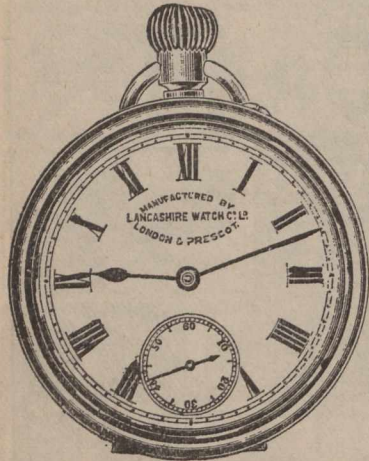
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AGENTS FOR CANADA:

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MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, MAY 23, 1902.

Name of Article.	Wholesale.	
	\$	c
Hardware.—Con.		
Oil 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. }	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.	1 90	1 95
Car lots	0 00	0 00
Norway, base	0 00	4 25
Am. Sh. St'l, 6 ft. x 2½ ft., 18	0 00	2 70
" " " " 20	0 00	2 95
" " " " 22	0 00	3 10
" " " " 24	0 00	3 19
" " " " 26	0 00	3 20
" " " " 28	0 00	3 45
Boiler plates, iron, ¼ in.	0 00	2 10
" " " " 3-16 in.	0 00	2 10
Hoop Iron, base for 2 in. and larger	0 00	2 90
Band Canadian, 1 to 6 in. 30c; over base of ordinary iron, smaller size		
Extras		
Canada Plates:		
Full Polish	3 75	
Ord. 52 sheets	2 65	
" 60 do	2 70	
" 75 do	2 75	
Black Iron pipe, ½ in. 1 in.	3 72	
¾ in.	3 92	
1 in.	3 42	
1½ in.	4 85	
2 in.	6 85	
per 100 ft. nett.	8 20	
2½ in.	11 00	
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 69	
" Machinery	2 75	base
" Harrow Tooth	2 50	
Tin Plates:		
10 Coko, 14 x 20	4 25	
10 Charcoal, 14 x 20	4 50	
10 Charcoal	5 50	
10 Charcoal	6 50	

such uniformly satisfactory results, as regards quality of the preserved egg, as saturated lime-water, and, further, that this was the least expensive and most pleasant to handle of all fluids employed.

Further trials have been made during the past season, using (1) lime-water, (2) lime-water containing one per cent. common salt, (3) lime-water containing 2 per cent. common salt, (4) common salt, 1 per cent., (5) common salt, 2 per cent. We also tested the efficacy of the following methods: (6) smearing the eggs with vaseline and (a) immersed in lime-water, and (b) set away in rack; (7) covered with parafine and immersed in lime-water, and (8) dipping in saturated solution of potassium permanganate and set away in rack, (9) sodium aluminate, 5 per cent. solution. The experiments began May 14th, 1901, and the eggs were examined December 14th, 1901, a period of seven months. The result was as follows:

Saturated Lime-Water. — "White," somewhat more limpid than in fresh egg and tinged faintly yellow. Yolk, globular, and in one or two eggs attached to shell. No offensive smell, and appearance, both externally and internally, good. Discoloration of "white" somewhat more pronounced on poaching with the development of very faint musty odour. Though not equal to fresh eggs in flavor, they are quite usable, and in no degree offensive.

Saturated Lime-Water, containing 1 per cent. common salt.—Very good as

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, MAY 23, 1902.

Name of Article.	Wholesale.	
	\$	c
Terne Plate 10, 20x28		
Russ. Sheet Iron	7 75	0 00
Lion & Crown tin'd sh'ts	0 00	7 75
22 and 24 gauge case lots		00 7 00
26 gauge		0 00 7 75
Lead: Pig, per 100 lbs;	3 25	3 35
Sheet,	0 00	0 04½
Shot, 100 lb., less 23½ 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.		
5 to 16 gauge	3 45	0 00
18 to 20 do	2 40	0 00
22 to 24 do	3 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 65	0 00
do do No. 12	2 95	0 00
do do No. 13	3 05	0 00
do do No. 14	4 05	0 00
do do No. 15	4 55	0 00
do do No. 16	4 80	0 00
Barbed Wire—		
Spring Wire per 100, 1.25	3 00	f.o.b.
net extra.		Montreal.
Iron and Steel Wire pl'n		
6 to 9	2 80	base.
Rope.		
Sisal, base	0 00	
" 7-16 and up	0 12½	
" 5/8	0 12½	
" 5-16	0 13	
" 1/2	0 13½	
" 3-16	0 13	
Manilla, 7-16 & lgr.	0 16	
" 3/8	0 16½	
" 5-16	0 17	
" 1/2	0 17	
" 3-16	0 17½	
Lath yarn	0 10½	

Telegraphic Address :—Musgrave, Bolton, England.

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LIMITED,

Globe Iron Works,

BOLTON, England.

Makers of all classes of
BOILERS,

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tric Light Stations, Winding Engines,
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alone.

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, MAY 22, 1902.

Name of Article.	Wholesale.	
	\$ c.	\$ c.
Wire Nails.		
Base Price carload	2 50	
Less than " "	2 55	
2d extra	1 00	
2d f "	1 00	
3d "	0 65	
4d and 5d "	0 40	
6d and 7d "	0 30	
8d and 9d "	0 15	
10d and 12d "	0 10	
16d and 20d "	0 05	
30d to 60d "	Base	
Building Paper.		
Tarred felt, per 100 lbs.	1 70	0 00
2 ply, Ready R'f'g., roll	0 85	0 00
" "	1 10	0 00
Hides and Tallow		
Montreal Green Hides		
No. 1	0 08	0 00
No. 2	0 07	0 00
No. 3	0 06	0 00
Tanners pay \$1 extra for sorted cured & inspect'd Sheepskins.	0 00	0 00
Clips	0 00	0 00
Lambskins each	0 00	0 15
Calfskins, No. 1	0 00	0 11
" No. 2	0 00	0 09
Horsehides	1 50	2 00
Leather		
No. 1 B. A. Sole	0 27	0 23
No. 2 B. A. Sole	0 25	0 26
No. 3 B. A. Spanish Sole	0 24	0 25
Slaughter, No. 1	0 28	0 29
light medium & heavy	0 23	0 27
" No. 2	0 26	0 29
Harness	0 26	0 32
Upper, heavy	0 34	0 35
Upper, light	0 35	0 37
Grained Upper	0 34	0 35
Scotch Grain	0 35	0 36
Kip Skins, French	0 49	0 55
English	0 45	0 55
Canada Kip	0 50	0 60
Hemlock Calf	0 50	0 70
" Light	0 50	0 60
French Calf	0 85	1 10
Splits, light and medium	0 22	0 25
" heavy	0 17	0 20
" small	0 18	0 20
Leather Board, Canada	0 06	0 10
Enamelled Cow, per ft.	0 16	0 12
Pebble Grain	0 12	0 14
Glove Grain	0 12	0 13
B. Calf	0 15	0 20
Brush (Cow) Kid	0 11	0 13
Buf.	0 13	0 16
Russsets, light	0 35	0 40
" heavy	0 25	0 30
" No. 2	0 35	0 40
Saddlers' doz.	7 50	9 00
Int. French Calf	0 65	0 75
English Oak lb	0 30	0 35
Dongola, extra	0 38	0 42
" No. 1	0 20	0 22
" ordinary	0 14	0 16
Colored Pebbles	0 13	0 16
" Calf	0 16	0 22
Oils		
Cod Oil	0 37	0 42
S. R. Pale Seal	0 50	0 52

to appearance, both externally and internally; "white" very slightly tinged, but a little more limpid than in saturated lime-water alone. Yolk, globular; air space, normal. Faint odor, somewhat more strongly marked on poaching. Nothing disagreeable in uncooked or cooked egg; quite usable, but lacking the flavor of a fresh egg. Compared with eggs in saturated lime-water only, they are on the whole perhaps slightly superior. — Saturated Lime-Water and 2 per cent. of common salt.—"White" quite limpid and slightly brownish. Fairly well preserved, but not equal to eggs in either of the foregoing liquids.—Common salt, 1 per cent. solution.—In appearance, both externally and internally, four of the eggs were very similar to those kept in lime-water, but they possessed a more marked musty odor. In two of the eggs the "white" was limpid and yellowish, the yolk had lost its globular form, and the smell was disagreeable.—Common salt, 2 per cent. solution.—"White," very limpid. Yolk, reddish-black, and of the consistency of jelly; very bad smell. All the eggs were quite spoilt and unusable.

Eggs smeared with vaseline and kept in lime-water.—"White," more markedly discolored than those in lime-water simply; musty smell, somewhat inferior to eggs kept in lime-water without vaseline covering.—Eggs smeared with vaseline and kept in rack.—"White," slightly discolored possesses faint musty odor; but fairly good; apparently somewhat better than eggs in preceding test.—Eggs covered with paraffine and kept in lime-water.—"White" slightly tinged with yellow; yolk, thin and degraded in one or two of the eggs, musty smell. Eggs decidedly inferior to those in limewater simply. External appearance rough and unattractive, due to paraffine.—Eggs dipped for half a minute in saturated permanganate

MONTREAL WHOLESALE PRICE CURRENT
THURSDAY, MAY 22, 1902.

Name of Article.	Wholesale.	
	\$ c.	\$ c.
Oils—Continued.		
Straw Seal	1 10	1 20
Cod Liver Oil, Nfd. Norw	1 20	1 50
Process	0 09	0 10
" " Norwegian	0 00	0 09
Castor Oil	0 75	0 85
Castor Oil brls.	0 65	0 75
Lard Oil, Extra	0 80	0 81
" "	0 83	0 84
Linsed, raw, nett.	1 05	1 15
" boiled, nett	0 00	3 70
Olive, pure	0 69	0 70
Extra, qt., per case	0 20	0 30
Turpentine, nett	0 00	2 10
Petroleum:		
Benzine	0 00	2 10
" "	0 00	2 20
do	0 00	4 70
do	0 00	4 95
Glass.		
United inches, 00 to 25	0 00	2 10
do 26 to 40	0 00	2 20
do 41 to 50	0 00	4 70
do 51 to 60	0 00	4 95
Paints, &c.		
Lead pure 50 to 100 lb. kgs.	0 00	5 87
do No. 1	0 00	5 50
do No. 2	0 00	5 12
do No. 3	0 00	4 75
do No. 4	0 00	4 62
White Lead dry	5 50	5 50
Red Lead	5 00	5 50
Venetian Red Eng'h	1 75	2 00
Yel. Ochre, French	1 50	3 25
Whiting, ordinary	0 45	0 50
do Gilders	0 60	0 70
do Paris	0 85	1 00
English Cement, cask	2 15	2 25
Belgian do	1 65	1 90
German do	2 25	2 45
American do	2 00	2 40
Fire Bricks per 1000	16 00	22 00
Fire Clay	1 50	1 75
Rosin	2 75	5 50
Glue:		
Domestic Broken Sheet	0 13	0 15
French Casks	0 11	0 12
do brls.	0 00	0 14
American White, brls.	6 16	0 20
Coopers' Glue	0 20	0 25
Golden Ochre	0 04	0 04
Brunswick Green	0 04	0 10
French Imperial Green	0 12	0 15
Genuine Quickdrier	0 90	0 95
No. 1 Furnit'e Varn'h, pr. gl.	0 65	0 70
do do	0 75	1 00
Brown Japan	0 60	0 75
Black Japan	0 50	0 75
Orange Shellac, No. 1	2 00	2 25
do Pure	2 25	2 75
White do	2 75	3 00
Putty Bulk 100 lb. brl.	0 00	2 00
Parisgreen in drum 1 lb pk.	0 18	0 19
Kalsomine, 5 lb pkgs.	0 00	0 03
Wool.		
Canadian Washed	0 12	0 13
North West	0 13	0 15
Unwashed	0 08	0 00
Fulled, combing	0 00	0 00
do extra	0 00	0 21
B. A. Scored	0 34	0 35
Natal	0 16	0 17
Owse, greasy	0 16	0 17
Chilian	0 00	0 00
Australian greasy	0 16	0 20



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

John Mackintosh, Ltd.,

"THE
TOFFEE
MILLS."

HALIFAX, ENGLAND.

Mackintosh's Extra Cream TOFFEE

HAS THE LARGES SALE
IN THE WORLD.

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

JOHN MACKINTOSH, LTD..

HALIFAX,
ENGLAND

"The
Toffee
Mills."

of potash solution, and kept in rack.—Eggs considerably dried in, air space abnormally large, showing the "white" very limpid and quite discolored, very musty odor. The majority of the eggs were considered as decidedly bad and unfit for use.—Sodium aluminate, 5 per cent. solution.—"White" slightly tinged; general appearance, good; faint, musty odor.—Conclusions.—The preservative solutions that gave the best results were lime-water and the lime-water containing 1 per cent. salt. There was not much difference between the eggs, cooked or uncooked, to sight, smell or taste, kept in these two solutions, but such as there was, we considered showed the eggs in the latter to be slightly the better.

The addition of salt to the lime-water to an extent exceeding 1 per cent. would appear to be no advantage; indeed, when the salt present amounted to 2 per cent. we noticed that the quality of the preserved eggs had suffered. The 1 per cent. solution is prepared by dissolving 1 1-3 ounces of common salt in each gallon of the saturated lime-water. The common salt solutions without lime, both 1 per cent. and 2 per cent., caused the eggs to have a more marked and disagreeable odor, especially on cooking. All the eggs in the 2 per cent. fluid were unusable. Vaseline covered eggs were not quite as well preserved as those simply in lime-water. The paraffine covered eggs were decidedly inferior to those simply preserved by lime-water. The eggs dipped in a solution of perman-

STOCKS AND BONDS—INSURANCE COMPANIES—CANADIAN.—Montreal Quotations May 19, 1902.

NAME OF COMPANY.	No. Shares.	Last Dividend per year.	Share par value.	Amount paid per Share.	Canada quotations per ct.
British American Fire and Marine.....	15,000	3 1/2-6mos.	350	\$50	101
Canada Life.....	2,500	4-6mos.	400	400	160
Confederation Life.....	10,000	7 1/2-6mos.	100	10	....
Western Assurance.....	25,000	5-6mos.	40	20	101
Guarante Co. of North America.....	11,272	6	50	50	....

BRITISH AND FOREIGN.—Quotations on the London Market May 10, 1902. Market value p. p'd up sh

Alliance Assur.....	250,000	8s. p.s.	20	2 1-5	9 1/2	9 1/2
Atlas.....	24,000	24 p.s.	50	6	2 1/2	22 1/2
British and Foreign Marine.....	67,000	25	20	4	18 1/2	19 1/2
Caledonian.....	21,500	12s. p.s.	25	5	5	28 1/2
Commercial U. Fire, Life and Marine.....	50,000	27 1/2	50	5	45 1/2	46 1/2
Guardian Fire and Life.....	200,000	9	10	5	9 1/2	10
Imperial Fire.....	60,000	25	20	2	80	81
Lancashire Fire.....	126,493	5	20	2		
Lion Fire.....	100,000	3	5 1/2	1 1/2		
London and Lancashire Fire.....	85,100	22	25	2 1/2	18 1/2	19 1/2
London Assurance Corporation.....	35,882	20	25	12 1/2	51	53
London & Lancashire Life.....	10,000	10	10	2	8	8 1/2
Liv. & Lon. & Globe Fire and Life.....	391,752	90	85.	2	28 1/2	29 1/2
Northern Fire and Life.....	30,000	*22 1/2	100	10	71	73
North Brit. & Merc. Fire and Life.....	110,000	30s. p.s.	25	6 1/2	36	37
Norwich Union Fire.....	11,000	*33 1/2	100	12	105	106
Phoenix Fire.....	52,776	35	50	5	232	23
Royal Insurance Fire and Life.....	125,234	52 1/2	20		48 1/2	49 1/2
Sun Fire.....	240,000	8s 6d p.s.	10	10	10	10 1/2
Union.....	45,000	18 p.s.	10	4	13	15

*Excluding periodical cash bonus.

ganate of potash were decidedly bad, showing that the claims for this much vaunted chemical are without foundation. In summing up the conclusions from the work of 1901, we feel justified in repeating the statement that saturated lime-water is the most effective preservative. We can further say that it is a cheap, easily prepared and pleasant fluid to handle. The addition of a small amount of salt (not exceeding 1

per cent.) appears to be an advantage but a larger amount—even 2 per cent.—of salt is decidedly detrimental to the quality of the preserved eggs.

UNITED STATES FINANCES.

Henry Clews & Co., New York in their special circular, date May 17th.

Eclectic Steel Co., Limited,

Princess Street Works,
SHEFFIELD, Eng

MANUFACTURERS OF

CRUCIBLE CAST STEEL

FOR ALL PURPOSES.

Special Miners Drill Steel

Ground and Polished Steel for Shafting.

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

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TELEPHONE 999.
Chambers Bros.
SHEFFIELD ENG.
EFFINGHAM MILLS.
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.

Telegraphic Address: "SPIRITS, DUNDEE."

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GEORGE MORTON & CO. DUNDEE SCOTLAND

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GAGNON & CARON, Rooms 41 & 42 Montreal St. Ry. Bldg., Montreal.
Accountants, Curators, Liquidators and Commissioners, S. C. Bell Tel. Main 815.

say: The improved undertone in the stock market during the week was due entirely to easier conditions in the money market, and would have been even more hopeful had it not been for the coal strike. Last week's stringency was due to an unusual number of large obligations maturing about the same period. Some calculations estimated these payments at about \$80,000,000; and, although the sum was not any time actually withdrawn from the market, yet the transfer of loans and deposits inevitably caused the temporary locking up of large sums and consequent stringency in call loans. At the same time, the banks have been exercising more discrimination in regard to collateral, and this, too, encouraged a hardening of rates. Very fortunately

relief came in the form of a break in sterling exchange rates owing to liberal offerings of security and loan bills by foreign bankers. This assistance from abroad was very timely and materially changed the aspect of the money market. Funds are returning more freely from the interior, and the weekly bank statements should henceforth show rising averages. It is noticeable that bankers exhibit no uneasiness over the situation; presumably because of their knowledge concerning maturities and of their confidence in the large borrowers who are chiefly responsible for the present expansion in loans. Were the latter feature due to the calls of a large number of small borrowers the situation would be very different. It must be remembered, however, that the present loan expansion does not promise immediate ease in rates.

Our foreign trade returns continue to show a declining balance of trade. In April our excess of exports was only \$33,300,000, against \$44,000,000 the same time last year, and for the ten months of the fiscal year the excess of exports was \$435,600,000, in 1902, against \$584,300,000 in 1901. These changes were chiefly due to a fall in exports from \$1,260,000,000 in the first ten months of 1901 to \$1,169,000,000 in the same period of 1902. This is a decline of \$70,000,000 in ten months, of which nearly \$66,000,000 were in breadstuffs. The total decline in corn exports was \$57,000,000, showing how important a factor last year's corn damage proved in our foreign trade as well as in our domestic markets, some of which are still showing the effects of scarcity. At the same time, our export trade is still far ahead of ordinary years, and it is only when comparisons are made with the phenomenal years of 1900 and 1901 that the results are unfavorable. Our importations continue large, especially of semi-manufactured products which enter as raw materials into other products, showing that our industries continue very active.

The future of business largely depends upon the crop situation, provided

"PIONEER" GOLDEN FLAKE CAVENDISH TOBACCO.

MADE IN LIVERPOOL, ENGLAND.

TRADE PRICE:

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

Per lb.

"Order direct or through your jobber."

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

Special prices to Canadians under the new Tariff.

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.

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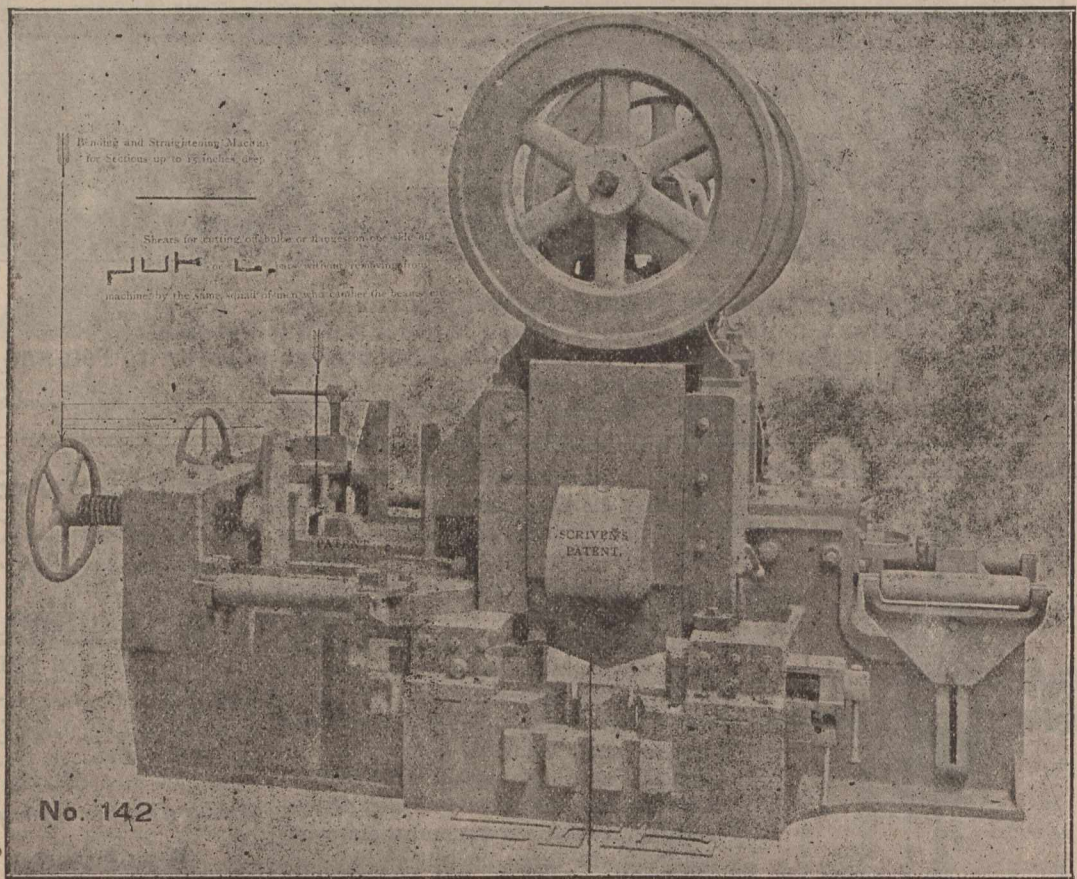
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SCRIVEN & Co.,

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Machine Tools and Hydraulic Machinery,

For ENGINEERS, SHIPBUILDERS, BOILER MAKERS and BRIDGE BUILDERS



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

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

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HAY AND
CORN
SHEDS.

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BUILDERS IRON
AND STEEL
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PIERS,
BARGES,
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RICK
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AND UNCLIMBABLE
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RADIAL DRILLS
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BRIDGE WORK

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CAPACITY OF OUTPUT
30,000 TONS ANNUALLY.

LIGHT
& HEAVY
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BLAST
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HOT BLAST STOVES,
VALVES & RADIAL DRILLS.

the monetary outlook is secure. Recent conditions have been very favorable to the growing crops, affording considerable compensation for the early losses in winter wheat. There is every prospect that high prices for corn will insure a large acreage of that cereal, and it seems hardly likely that the country will be again called upon to suffer such a serious disaster from drouth as it endured last year. With ordinary crops, therefore, we ought to be assured of another year of prosperity. The iron trade shows no indications whatever of cessation in its remarkable boom, and the most conservative authorities are still giving estimates of production that the most optimistic would have ridiculed three years ago.

Speculation on the Stock Exchange has been checked by tight money and the coal strike. There has been no deep-seated fear concerning the latter, because it is not thought the miners have a good case. They are generally well paid and comfortably situated—conditions not favorable to a long-drawn-out contest, especially when the operators are not insisting upon unreasonable terms. With the strike eliminated as a factor we ought to have a more active market. There are

BRICK MACHINERY

For Working all kinds of Clay.

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

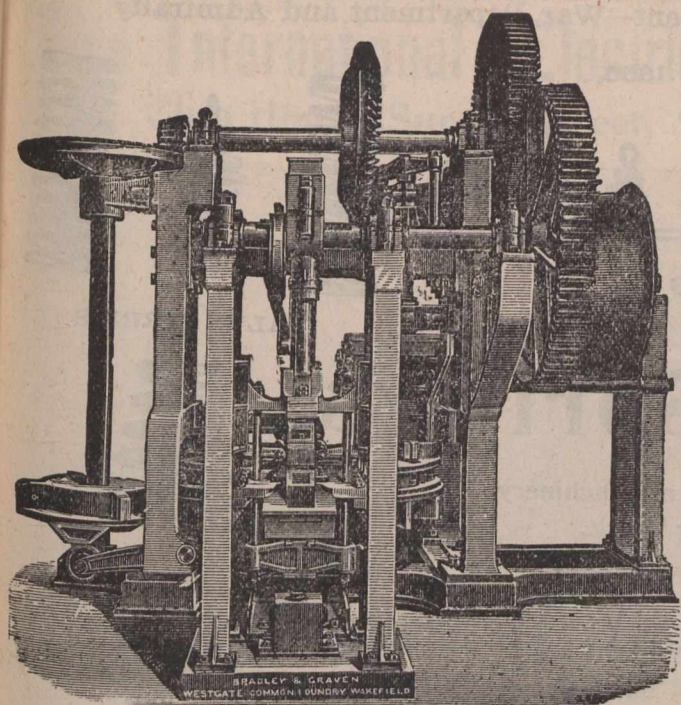
Double the Strength of any other Machines in the Market.

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

Bradley & Craven,
LIMITED

Westgate Common Foundry, WAKEFIELD, Eng.

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



Craven's Patent Brick Moulding and Dressing Machines.

no serious danger spots in sight and prices have shown a resistance to bad news that will tend to restore confidence and revive interest in the market after the crops are assured and the coal strike ended.

A coal labor war has just commenced and is not likely to end until it becomes a bore to the strikers, and that may not be for some time to come. As an offset, however, to this unfortunate outcome of the recent negotiations between the coal representatives and the miners the good news comes from Europe that the Boer war in South Africa is about to come to a close. This is more important in its influence to the world at large as it has to do with bloody slaughter of the human race, while the other has no such possibility. The prospect of a coal war has been hanging over the market for some time; therefore much of its effect has been discounted in advance.

TO TELL PRECIOUS STONES.

Any one can tell a genuine diamond or precious stone even from a very clever imitation. There are a few household tests which are practically infallible. The diamond expert, after long years of experience with gems, can detect an imitation, as a rule, at a glance. The layman in such matters, with a few simple tests, takes more time to solve such problems, but his judgment in the end is scarcely less accurate.

An imitation diamond is never so brilliant as a genuine stone. If your eye is not experienced enough to detect the difference a very simple test is to place the stone under water. The imitation stone is practically extinguished, while a genuine diamond sparkles even under water, and is distinctly visible. When possible, place

a genuine stone beside the possible imitation under water, and the contrast will be apparent to the least experienced eye. The glass cutting test is, of course, more or less familiar. It is probably the most common.

False diamonds are usually cut more regularly than the genuine stones. In cutting a diamond the material is saved as far as possible. If any imitation the material itself is worthless, and no attempt is made to suit the size or angle of the facets to the form of the stone. It can be put down as a safe rule that when a stone is cut with great evenness and regularity, it is, to say the least, a very suspicious sign.

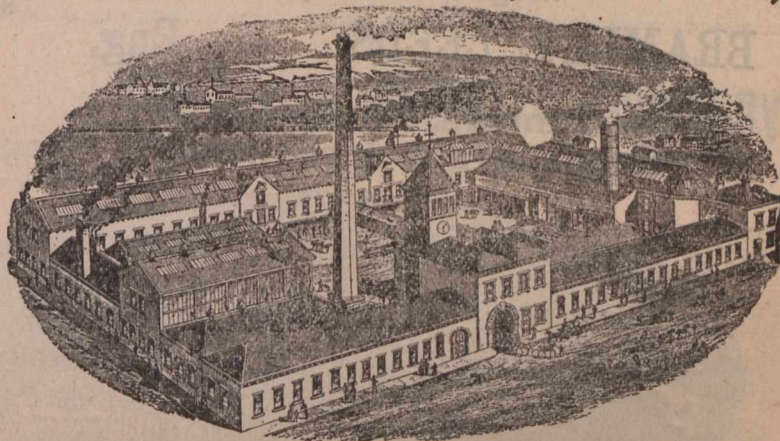
Another very simple and effective test is to place a drop of water on the stone and carefully observe the result. The stone should be very carefully cleaned. On an imitation diamond, the drop, however small, will

A. Earnshaw & Sons, Ltd.,

MAKERS OF

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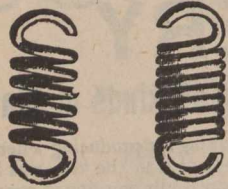


Crown Works,

HALIFAX, ENG.

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

ESTABLISHED 1856.



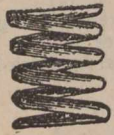
VALVE SPRINGS.

Joseph Steel & Sons,

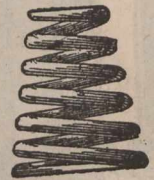
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VALVE SPRINGS.



Spiral Springs,

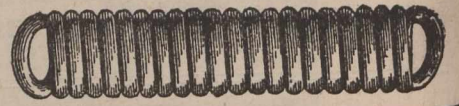
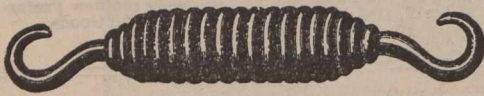


For all Classes of Machinery and Engineering Work.

Harden near BINGLEY, Yorkshire, Eng.

Special terms to Canadians under the new Preferential Tariff

Telegraphic Address, "STEEL, BINGLEY."



deliquesce. The drop will, however, retain its original shape on a true stone. To make the rest quite sure, use a magnifying glass when watching the action of the drop. Still another test of this nature is pass the stone over a piece of aluminum. Both the metal and the stone should be absolutely free from any trace of grease. The metal will give off some of its color to an imitation stone, while a genuine diamond will remain perfectly clear and unaffected. Among jewelers the final test is to apply a drop of fluorhydric acid to the stone under suspicion. The acid will eat into any false diamond and frost it, while the genuine stone will not be damaged in the slightest degree.

Perhaps the simplest method of all,

however, is to examine an ink spot on a sheet of white paper through a diamond, by holding the upper surface against the eye. If the stone be counterfeit the black spot will appear greatly multiplied, or at least doubled. The outline will, moreover, appear blurred and indistinct. By using a magnifying glass the test can readily be made absolute. The optical test is the best in examining rubies and emeralds. It is commonly supposed that such stones can be best tested by rubbing them with a file, that the genuine stones resist the steel, while the imitations only will suffer; but the test is not exhaustive. The best plan is to examine closely with a microscope of about a hundred diameters. The genuine stones have a number of min-

ute flaws, whereas the imitations are likely to be much more nearly perfect in texture.

The imitation ruby is filled with minute air bubbles, which are not to be found in the genuine stones. The color of the imitations is sometimes even purer and more even than the stones. As a rule, any yellowish tinge is considered suspicious. Genuine emeralds are to be determined by tiny flaw or dendritic in shape.

HOW CASEIN IS MADE.

Charles H. La Wall thus describes the manufacture of casein, as conducted at the factory at Bainbridge, N.Y.:

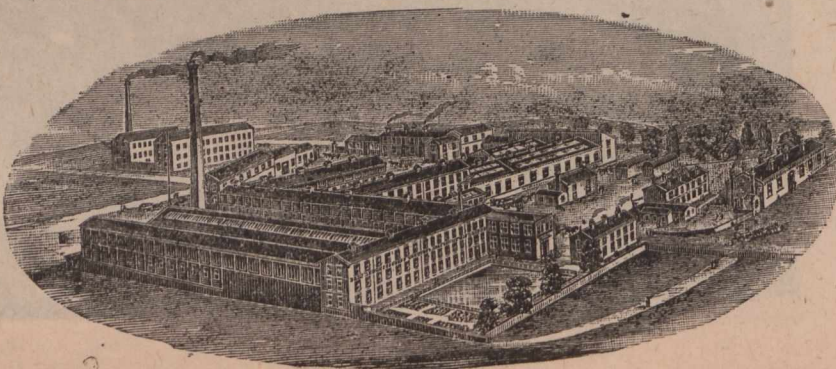
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Haste & Brown,

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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.

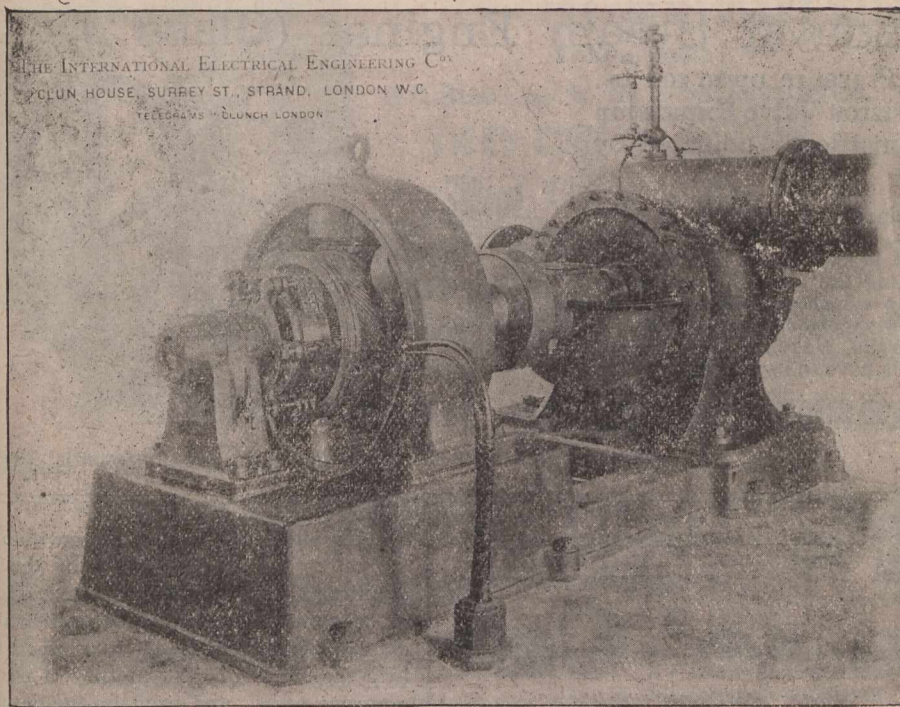


Enamelled Shoulders. Enamelled Sealskins. Enamelled and Japanned Hides. East India Kips, Offal, etc., Waxed or Russet Kip Butts. Levant Kip Shoulders and Bellies. Levant Imitation Seal Grains. Split and Russet Shoulders for Enamelling. Japanned Shoulders (in black and colors). Japanned Seal Splits. Japanned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

Telegrams: "CLUNCH, LONDON."

The International Electrical Engineering Company,

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



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

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

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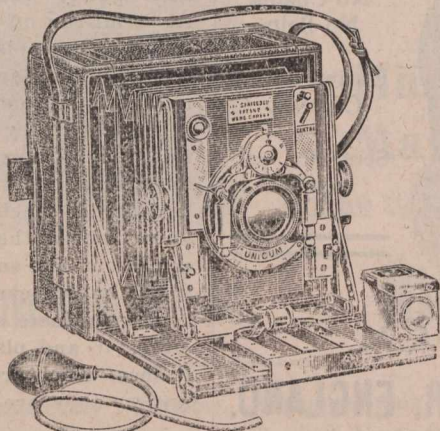
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Sundries.

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

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The Yorkshire Wire Cloth Company,

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

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

F.O.B. MANCHESTER.

The Sizing Materials Company

Manufacturers of
all kinds of

Chemicals and Materials used
by Warp Sizers and Finishers.

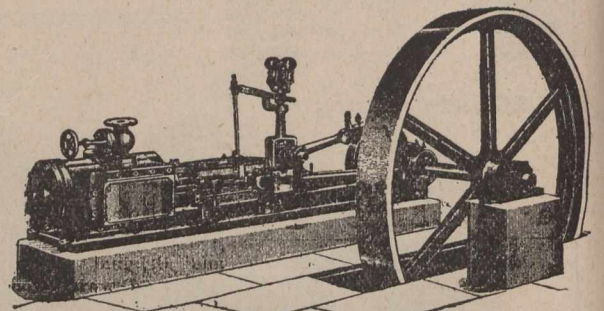
10 Marsden St., - MANCHESTER, Eng.

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

Improved Horizontal Steam Engines (Class J.)

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

These Engines are all fitted with our patent automatic Cut-off 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

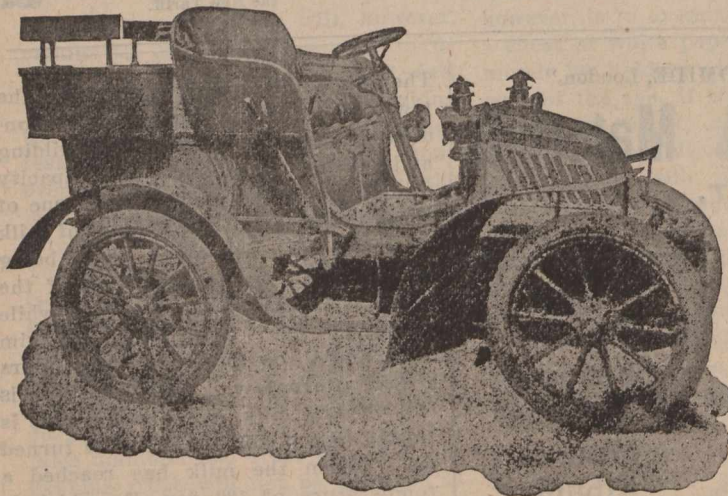


PLEASE INDENT THROUGH MERCHANTS.

Telegrams : "LEES, HOLLINWOOD."

Special estimates to Canadians under the new Preferential Tariff

Marshall's 'Belsize' Car



Two Cylinders
 12 h.p.
 14½ cwts.

No Chains.
 No Belts.

Unrivalled Hill
 Climber.

Send for par-
 ticulars.

When coagulation is complete, which is known by the casein separating out in a uniform cheesy mass in the bottom of the tank, the whey is run off into a cistern nearby, where it is pumped off into the sugar of milk factory, a short distance away, and used in the manufacture of milk sugar.

The casein in the bottom of the coagulating tank is washed by filling the tank with water and by adding a small quantity of sulphuric acid and heating it up, which serves to wash out the remainder of the whey and further purify the casein. This water is all run off and allowed to go to waste. The moist casein is shovelled up and put in large buckets and taken up to the second floor of the creamery, where they immediately shred this tough, moist, leathery substance by means of cutting knives run in a high-speed machine. These cutting knives shred the material so that it comes out like snow flakes, and before it can have a chance to pack together and agglutinate again, an operator removes it and places it on wire-gauze frames, which are loaded on trucks as fast as they are filled, the trucks be-

Marshall & Co.

Belsize Works. CLAYTON, MANCHESTER, ENGLAND.

Established 1868.

Telegraphic Address: "BRICK, Leeds."

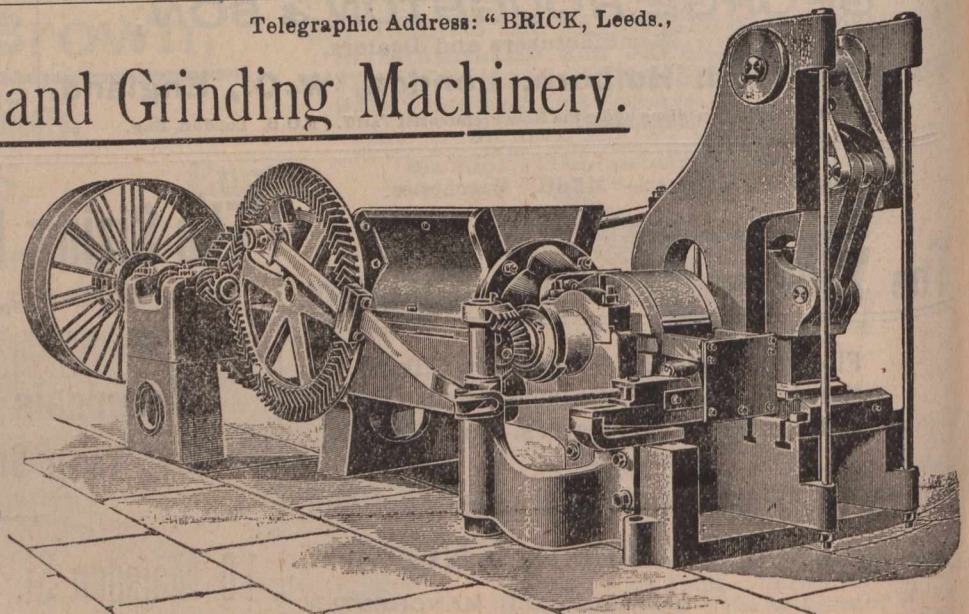
Brick-Making and Grinding Machinery.

Manufactured
 by . . .

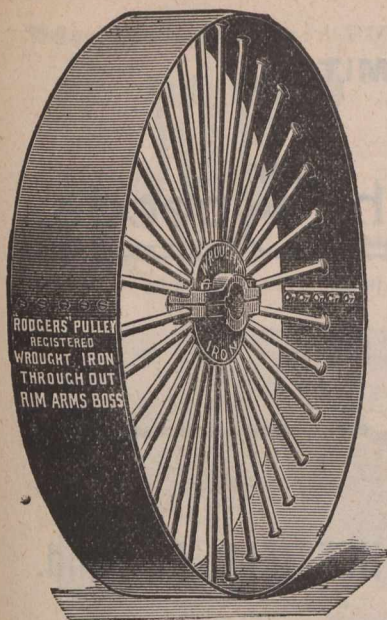
Richard
 Scholefield,
 ENGINEER.

..Burley Vale Mills .

Kirkstall Road,
 LEEDS, Eng.



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



'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.

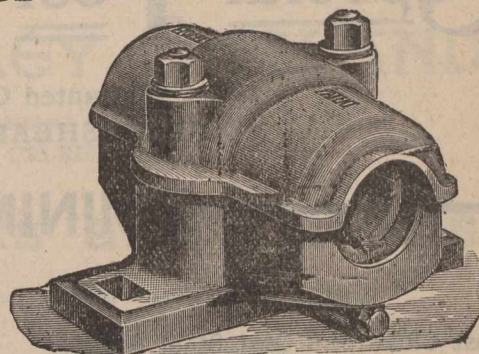
The Best Pulley in the World.

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:

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RAILWAY FOUNDRY.

(Telegraphic Address: "LOCO," Leeds.)

LEEDS, ENGLAND.

Established 1779.

Telegraphic Address: "ANNE COWBURN."

ANNE COWBURN,

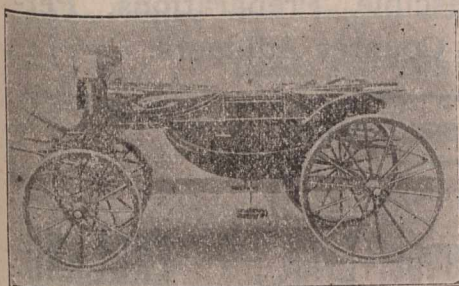
Carriage Builder

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 1/8 p.c., in their favour by purchasing in Manchester, from this firm.

ing run into a large drying tunnel with a current of air at 140 deg. F., so as to dry the material as soon as possible. In this drying operation it becomes slightly yellowish on the surface; but after this material has been powdered, which process is effected by high-speed disintegrators (such as Meade's) it is almost pure white. After being powdered, it is sent up to the Casein Company's Works at the other end of the town, where it is utilized in a number of ways.

PATENT REPORT.

Owen N. Evans, solicitor of patents and expert, Temple Building, reports the following United States and Canadian patents granted to Canadians last week: United States: Controlling attachment for trolley-poles, R. J. Barry; wrench, Clarence C. Longard; pipe-wrench, Clarence C. Longard; extension slide for tables, &c., William Thompson; system of armature winding for electric motors, Thomas J. Murphy; soap-press, John R. Masecar; band-cutter, and feeder for threshing-

Established 1838.

Telegraphic Address,

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

ROLLER AND SHAFTING MAKERS.

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

Abel Lees & Sons,

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

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

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

AUSTIN & DODSON LIMITED,

MANUFACTURERS OF

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.

machines or grain separators, William Brandon; carburetter, Alexis L. Mangin; bottle-stopper, John Heard. Canada: Separable ledgers, Jas. F. Warne; skirt and trouser hangers, Geo. R. Davis; self-rocking cradles, Jos. Filteau; refrigerating and purifying systems, Carl W. Vollmann; automatic fire proof doors, &c., Chas. A. Barber; spirit stoves, Robt. Fletcher; travel limit stops for elevators, M. Turnbull; device for removing snow, J. A. Manion; folding packing boxes, A. H. Elliott; perforators, G. A. Evans.

NEW INVENTIONS.

For the benefit of our readers, we publish a list of patents recently granted by the Canadian and American governments, secured through the agency of Messrs. Marion & Marion, patent attorneys, Montreal, Canada, and Washington, D. C. Information regarding any of these patents will be supplied free of charge by applying to the above-named firm, 503 New York

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.

John Smith,

CRANE WORKS,

KEIGHLEY, Yorks,

ENGLAND.

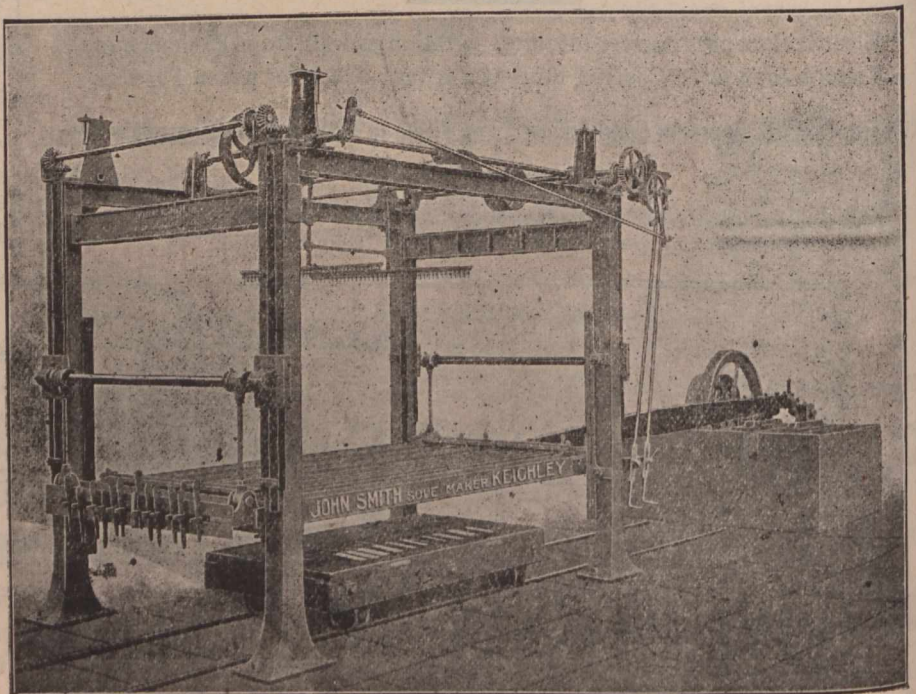
SPECIALITIES

STONE 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.

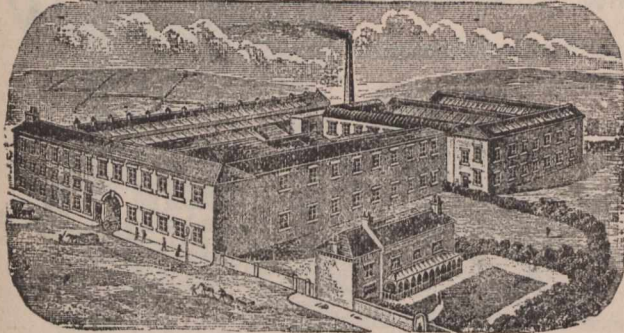
Telegraphic Address: "PURIFIER, BATLEY."

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.

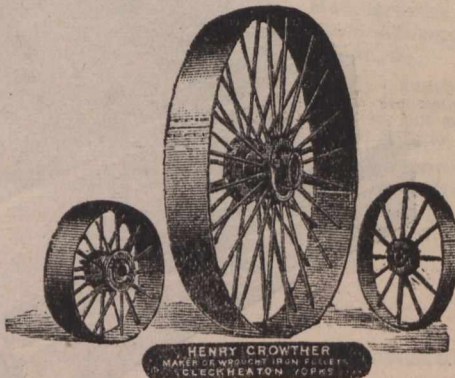
Wrot.-Iron Pulleys.

Bright Steel Shafting.

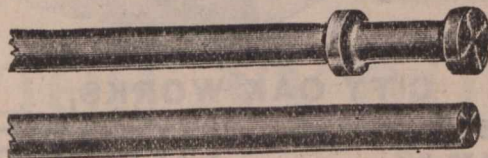
Lists sent Post Free
on Application.

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

Telephone
43.



HENRY CROWTHER
MAKES AND SIZES IRON PULLEY
CLECKHEATON YORKS



HENRY CROWTHER, Rolling Mills,

Cleckheaton,
YORKS, ENGLAND.

Special Terms to Canadians under the New Tariff.

Life Building, Montreal: Canada: — Alexander Halliday Elliot, Valleyfield, Que., folding packing box; Messrs. Dupont & Sills, Manchester, N.H., whiffletree connection; Messrs. Ross & Bigney, Bridgeville, N.S., nut lock; Jas. Innes, Montreal, Que., method of marbling the edges of books. United States: William Brandon, Kinsmore, Man., band cutter and feeder for threshing machine; Alexis Louis Mangin, Jeanne d'Arc (Aylmer East), P.Q., carburettor.

NEW SOURCE OF TANNIC ACID.

The difficulty of obtaining sufficient tannic acid necessary for the preparation of leather and other purposes is becoming more and more accentuated, owing to the ever-growing demand in the world's market on the one hand and to the length of time which is required for the growth of the trees the bark and fruits of which furnish the tanning materials, on the other. It will, therefore, be interesting news to many of our readers to hear that in

JOHN STONES,

Shiffnall Mill,

BOLTON, Eng.

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

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

BROWETT LINDLEY & CO. LTD.

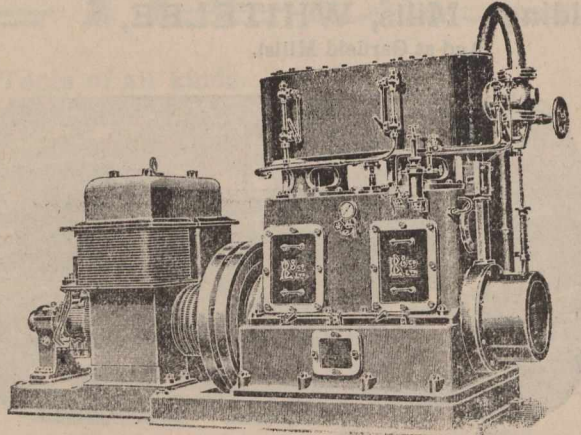
Patricroft, Manchester England.

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.

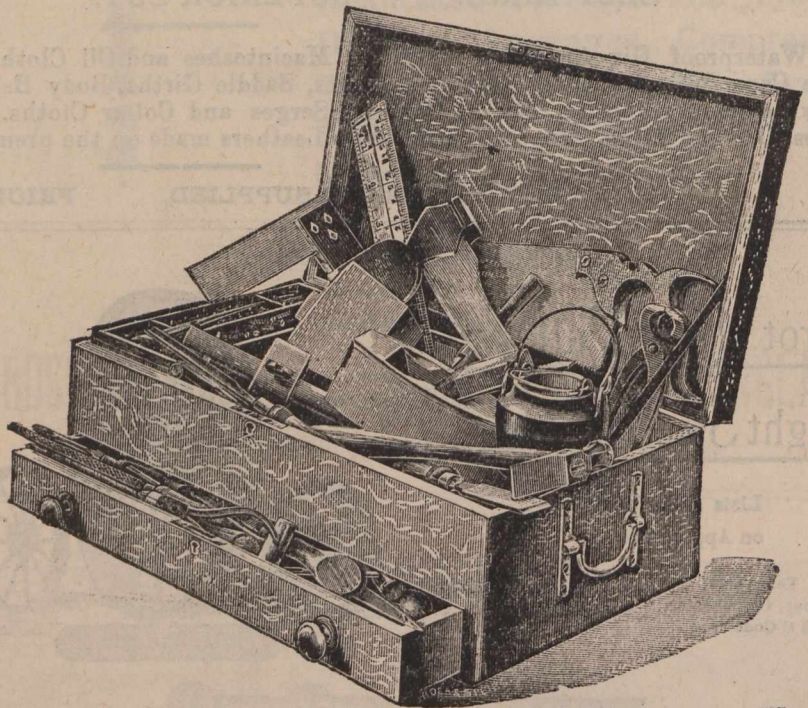
New Mexico a certain firm has been raising a fast growing plant for the production of tannic acid. The plant, which was discovered some years ago in the prairies of Mexico, New Mexico and California, belongs to the species of rumese hymenosepalus; it grows, as said before, very rapidly, reaches a height of about one meter, and the dried bolls of the wild-growing plant averaged about thirty-five per cent. By way of concentrating the juice, a firm in the vicinity of Dening produced an extract of the strength of forty-five per cent., which found a ready market in Europe. As the available supply of the only sparsely growing plant was soon exhausted, the manufacturers have cultivated the plant for the last years on a commercial basis, thereby netting a snug amount of clear profit. At the same time they have succeeded in raising the percentage of tannic acid by supplying the plant during its growth with abundant water. While only the large bolls are used for manufacturing the acid, the smaller ones serve for rasing new mother plants. The leaves furnish a palatable dish of vegetables.

LUMINOUS PAINT IN PHOTOGRAPHY.

Luminous photographs are made by means of calcium sulphide or luminous

James Needham

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



CITY OAK WORKS,

BROWN ST.
And SHOREHAM ST.,

SHEFFIELD,
ENGLAND.

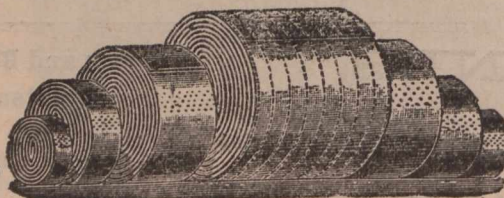
FLETCHER & SHAW, GOVERNMENT & RAILWAY CONTRACTORS,

Ryburn Leather Works,
SOWERBY BRIDGE, ENGLAND.

Telegram—Fletcher & Shaw, Sowerby Bridge.

Manufacturers of every description of

Leather Belting,
Laces, Picking Bands,
Combing Leathers, &c.



Telephone No.—0980, Halifax.

Cotton, Hair
and Link Belting, &c

Special prices to Canadians under the new Canadian Tariff.

RITCHIE LETHAM, Ltd.,

SOLE WEAVERS OF THE

“Union” Hair Belting

... AND THE ...

“HERCULES” Sold Woven COTTON BELTING.



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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.

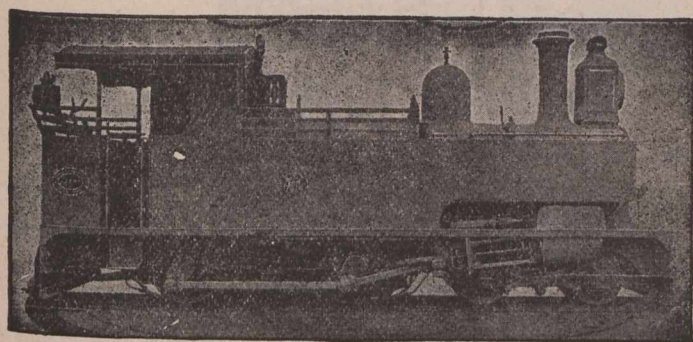
Special lines in “Self-Lubricative” STEAM ENGINE AND PUMP PACKINGS.
Samples and prices free on application.

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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.

paint, according to a German authority, A sheet of transparent celluloid is coated with an emulsion of nine parts of gelatine, one of potassium bichromate, five of calcium sulphide, and 100 of water. As a precaution against washing off the image, the printing is done from a positive through the celluloid film, development being by hot water. Backed with black velvet or paper, the print appears as an ordinary positive by daylight, but after free exposure to the light is self-luminous in the dark.

CANADIAN CUSTOMS TARIFF.

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

Tel. Address, “Abbey,” Accrington.

Established over 50 years.

James Walmsley & Sons,

Accrington, Eng.

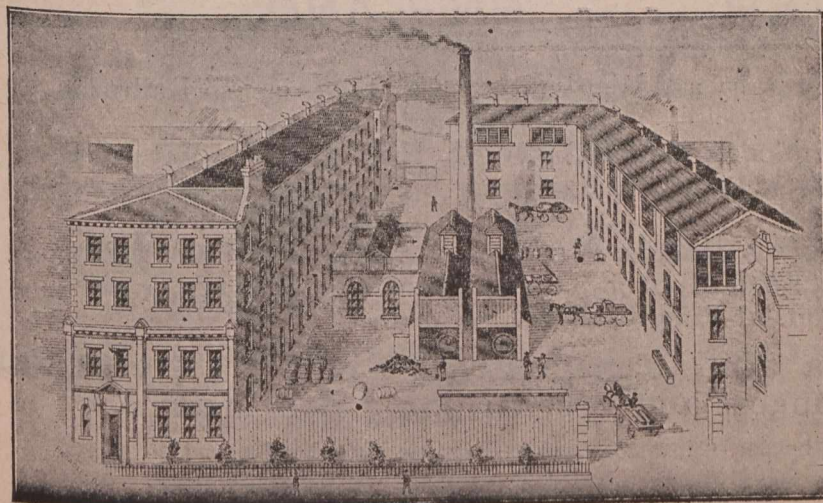
Leather Curriers,
Strapping Manufacturers
and Mill Furnishers.

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.

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(Continued from Page 2471.)

Wood and Manufactures of (continued)

Moulding, plain, gilded or otherwise further manufactured, 25 p. c.; Oak lumber, see Lumber; Pails, wood, see item Pails; Parasol handles and sticks, 20 p. c.; Parasol sticks, wood for, see Bamboo, free; Palings, free; Pickets, free; Pine, pitch pine, see Lumber in Wood; Planks, etc., see Boards in Wood; Planking, ship, etc., see Bolts in Wood; Poles, hop, free; Posts, fence, free; Pounders and rolling pins, 20 p. c.; Pulp, 25 p. c.; Railroad ties, free; Railway cars, see Carriages in "C"; Rattans or reeds, see Cane in Wood; Red cedar lumber, see Lumber in Wood; Red wood lumber, see Lumber in Wood; Rods, fishing, 30 p. c.; Rolling pins, 20 p. c.; Rose wood lumber, see Lumber in Wood; Sandal wood lumber, see Lumber in Wood; Satin wood lumber, see Lumber in Wood; Sawdust, see Sawdust in letter "S"; Scrapers, etc., see Carriages, in "C"; Screws, N.E.S., 35 p. c.; Shingles of wood, free; Shingle bolts, see Bolts in Wood; Ship timber, see Bolts

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 3000 sold.
100 to 200 usually
under construction or
in stock.

Catalogues in English, French, German and Russian.

Irwell Rubber Co., Limited.

MANCHESTER, - - ENGLAND.

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

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

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

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

Special rates under the new Canadian Tariff. Enquiries invited.

Established 1828.

Cable Address: "DUCHY," Liverpool.

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LARD.

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

LARD OIL.

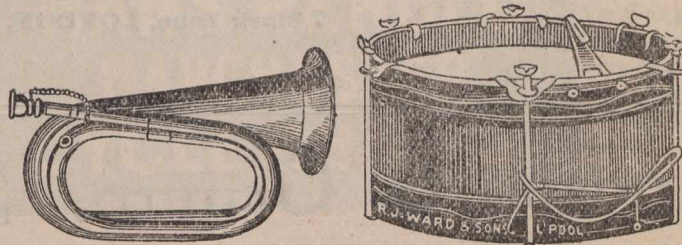
For delicate machinery is the finest known.

BAR MOTTLED SOAP.

IRVEN BROTHERS, LIVERPOOL, ENG:

Under New Canadian Tariff Law.

R. J. Ward & Sons,



Military Musical Instrument Manufacturers.

Wholesale Importers
and Exporters of

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

in Wood; Shovel handles, D, see Fel-
loes, etc., in Wood; Show cases, and
metal parts thereof, 35 p.c.; Spanish
cedar lumber, see Lumber in Wood;
Spars, timber for, see Timber in
Wood; Spokes, finished, 25 p. c.;
Spokes, hickory, for, see Lumber in
Wood; Stave bolts, see Bolts in
Wood; Staves of wood of all kinds,
not listed or jointed, free; Staves, if
jointed, 25 p.c.; Sticks, walking and
walking canes, 30 p.c.; Sticks and
handles for parasols, etc., 20 p.c.;
Sticks, bamboo for, see Bamboo in
Wood, free; Sunshade handles, N.E.
S., 20 p.c.; Sycamore lumber, see
Lumber in Wood; Ties, railroad, free;
Timber, see Lumber in Wood; Tim-
ber, ship, etc., see Bolts in Wood;
Timber or lumber, hewn or sawed,
squared or sided or creosoted, free;
Timber, other, see Lumber in Wood;
Tricycles, see Carriages in "C";
Trucks, see Carriages in "C"; Tubs,
20 p.c.; Umbrella handles, 20 p.c.;
Umbrella sticks, wood, for, see Bam-
boo in Wood; Veneers of wood, not



Emery, Roller & Strickle
Manufacturer.

MILKSTONE EMERY ROLLERWORKS. ROCHDALE, ENGLAND.

Improved ROLLER GRINDING FRAMES of all descriptions.

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

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

EMERY FILLETING.

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

Maclure Limited

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American Colonial and Continental Import
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Are prepared to act as Agents for Canadian Manufacturers.

AGENCIES WANTED FOR CANADIAN PRODUCE.

Can buy all kinds of British and Continental Manufactures and Merchandise at lowest prices, and every care will be taken to secure best results to our correspondents.

Much better bargains can often be procured by dealing through agents who know where and when to buy to advantage.

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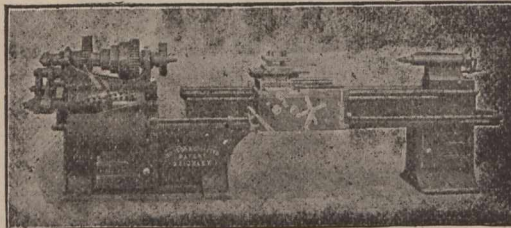
LONDON OFFICE :

7 Mark Lane, LONDON, E. C., ENG.

over three thirty-seconds of an inch in thickness, $7\frac{1}{2}$ p.c.; Veneers, three thicknesses glued together, 25 p.c.; Veneers of wood, N.E.S., 25 p.c.; Washboards, 20 p.c.; Wagons, see Carriages in "C"; Wagon blocks, see Hubs in Wood; Walnut lumber, etc., see Lumber in Wood; Whisks, 20 p.c.; White wood, lumber, etc., see Lumber in Wood; White ash, lumber, etc., see Lumber in Wood; Wood of the persimmon, see Lumber in Wood; Wood, dogwood trees, see Lumber in Wood; Wood alcohol, see Spirits; Wood naphtha, see Spirits; Wool, steel wool, 20 p.c.; Wool, and the hair of the camel, alpaca goat, and other like animals, not further prepared than washed, N.E.S., and noils, being the short wool which falls from the combs in worsted factories, and worsted tops, N.E.S., free; Wool yarns, etc., see Yarns; Wool manufactures, composed wholly or in parts of wool, worsted, the hair of the al-

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

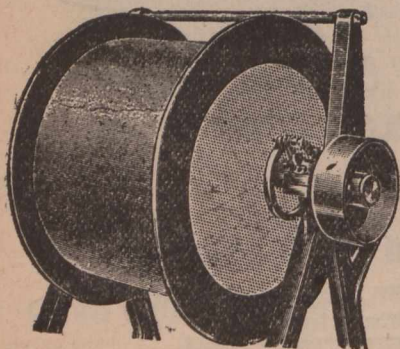
Do you want a Treadle Lathe? Ours has more Improvements than any other.



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.

The Patent Electro-Magnetic SEPARATORS,



Contractors to Admiralty.

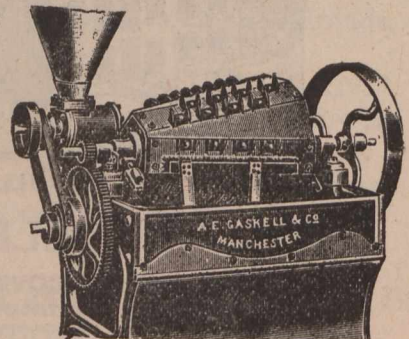
For extracting Iron or Steel from Borings, Ash-Metals, Glass Seeds, Slag Tobacco, &c.

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

PRICES ON APPLICATION TO

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Works: ROCHDALE, Eng.

Special Terms to Canadians under the New Canadian Tariff.

DAVY BROTHERS Limited.

TELEGRAMS:
"Motor, Sheffield."

SHEFFIELD, England.

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

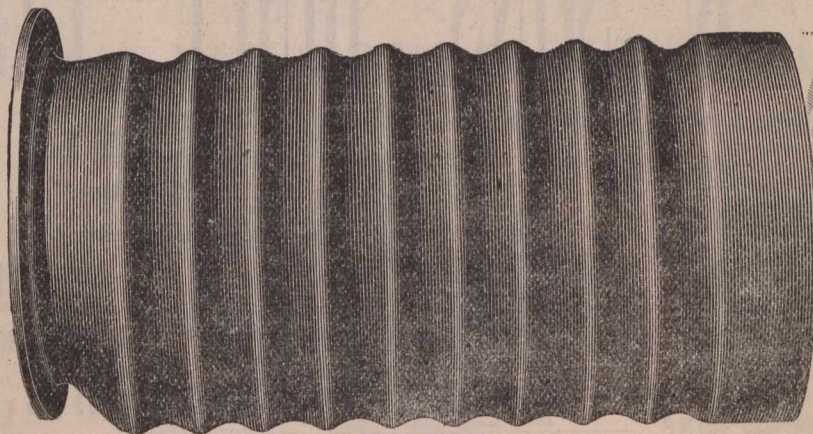
BOILERS

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

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

paca goat or other like animals, viz.: Cloths, doeskins, blankets, and flannels, of every description, cassimeres, tweeds, coatings, overcoatings, felt cloths, N.E.S., 35 p.c.; Wool cloths, for the manufacture of mackintosh, etc, etc., see Cloths; Woollens, clothing, see item Clothing; Wool—Fabrics comprising women and children's dress goods, N.E.S., and other manufactures composed wholly or in part of wool, worsted, the hair of the alpaca goat, or other like animals, not otherwise provided for, 35 p.c.; Wool, fabrics, women and children's dress goods, coat linings, Italian cloths, alpacas, orleans, cashmeres, henriettas, serges, buntings, nuns' cloth, bengolines, whip cords, twills, plains, or jacquards, of similar fabrics, composed wholly or in part of wool, worsted, the hair of the camel, alpaca goat, or like animal, not exceeding in weight, 6 ounces to the square yard, when imported in the gray or unfinished state, for the purpose of being dyed or finished in Can-

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.

Agents: Mr. GEORGE HOLLAND, Seymour Avenue, Montreal, P.Q. - P.O. Box 5291

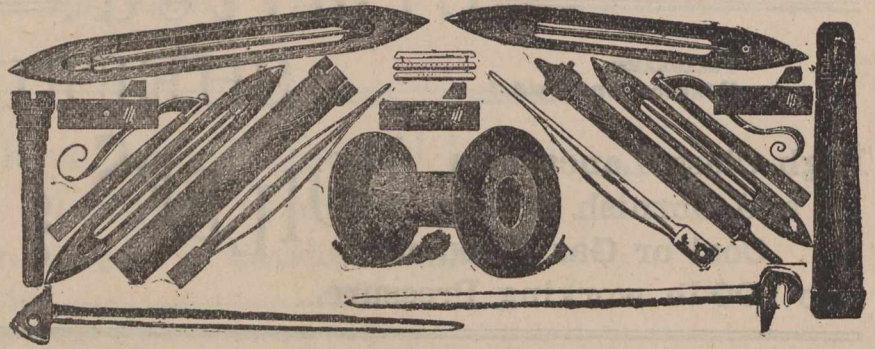
KIRK & CO.,

SHUTTLE
And Bobbin Makers and General
MILL FURNISHERS.

SPECIALITIES.

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

Cob Wall Works,
BLACKBURN, Eng.



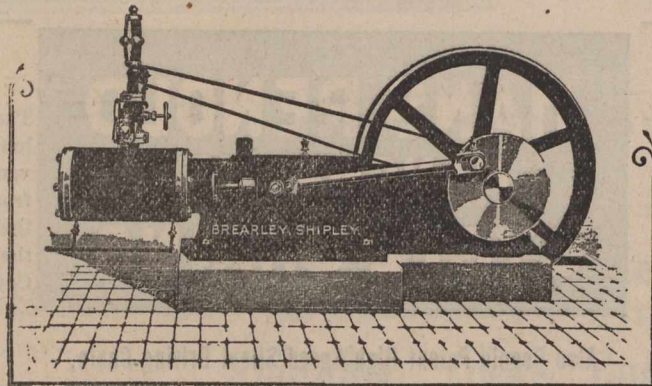
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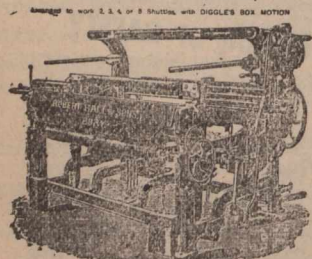
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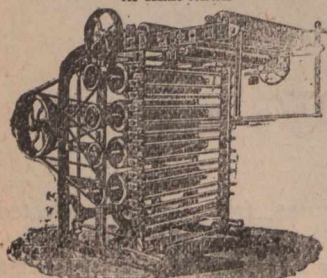
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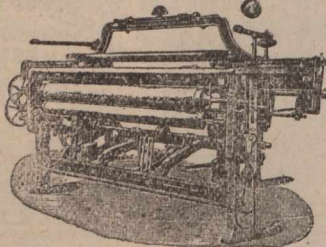


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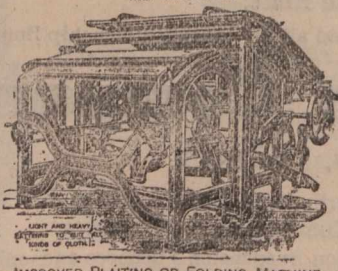


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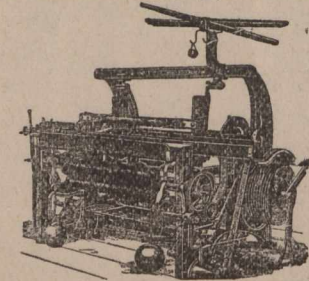


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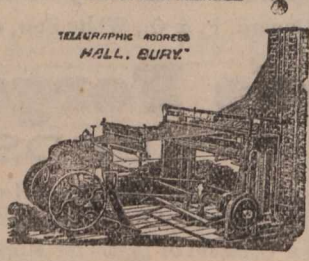


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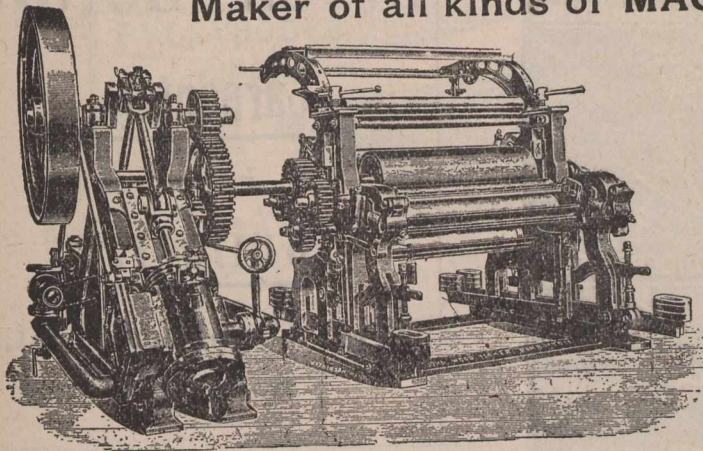
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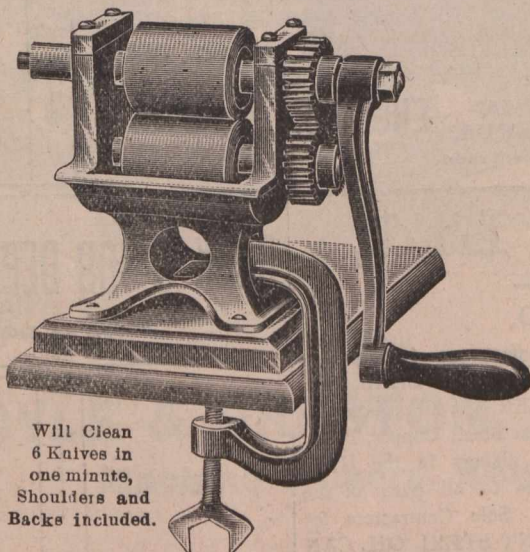
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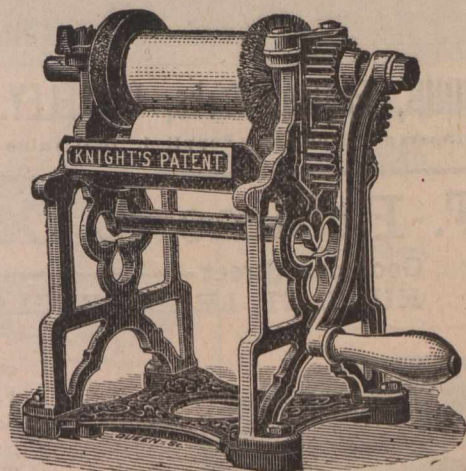
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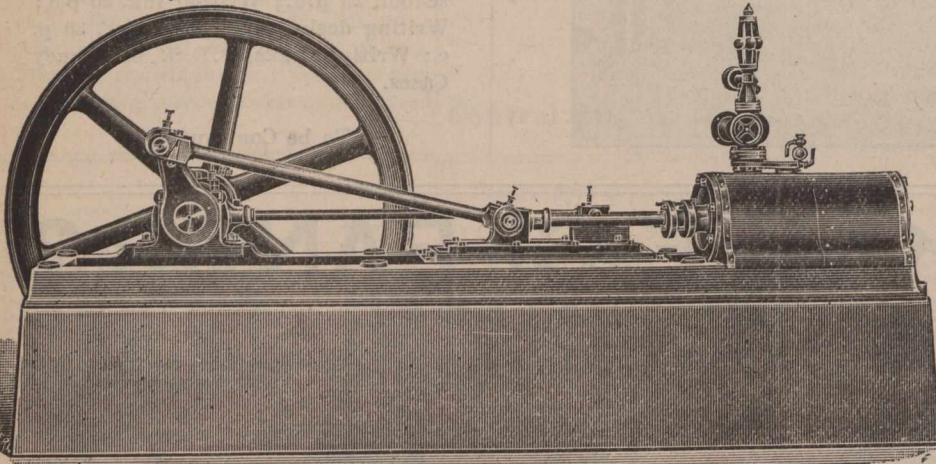
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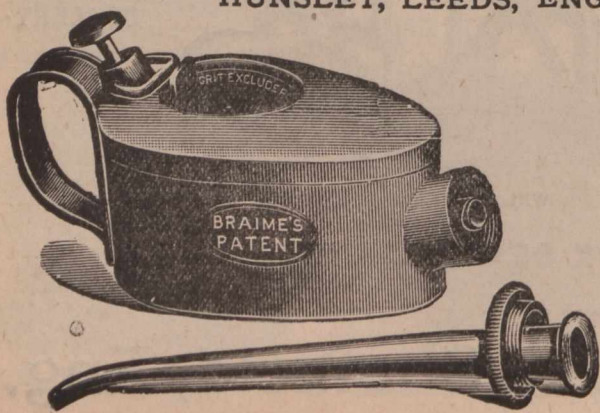
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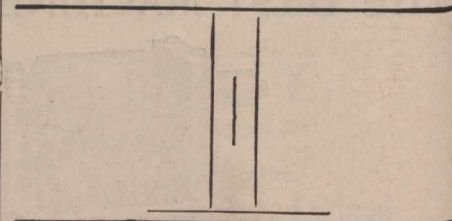
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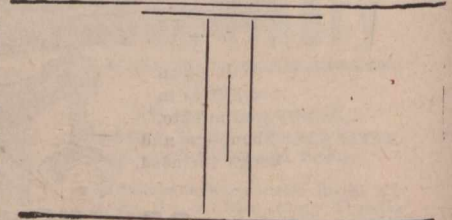
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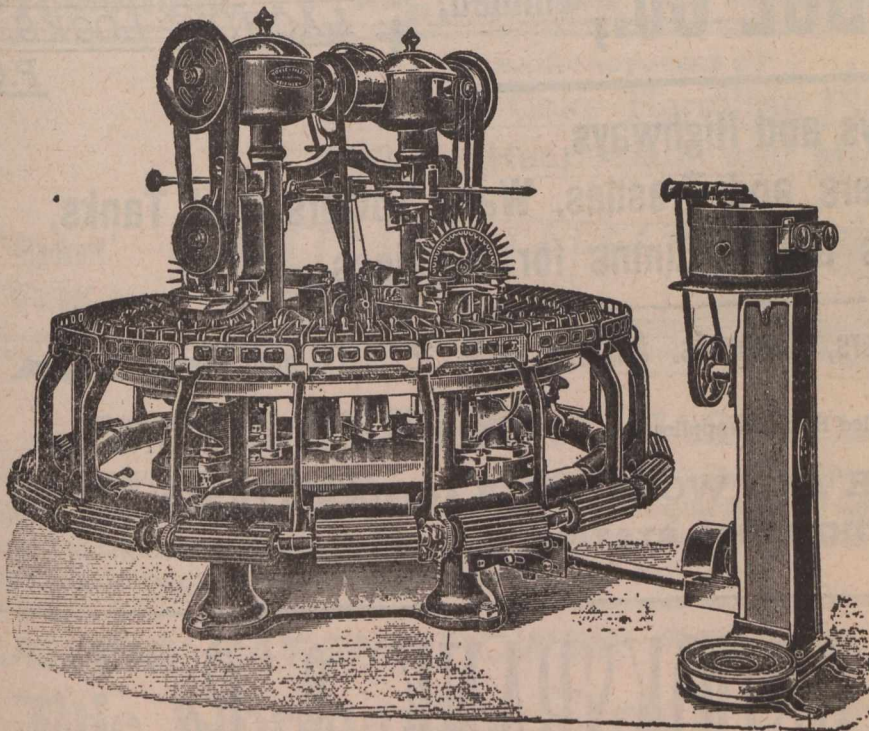
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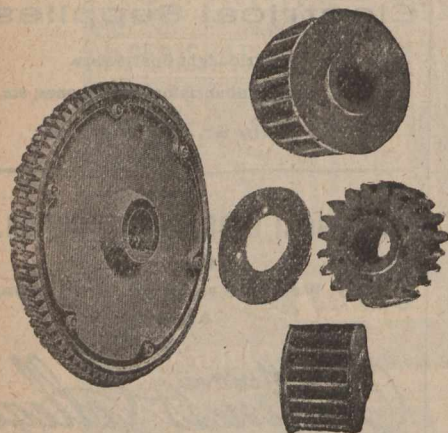
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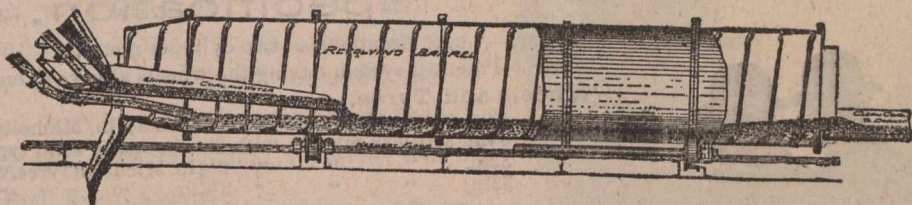
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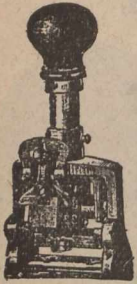
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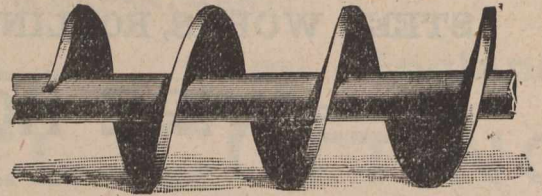
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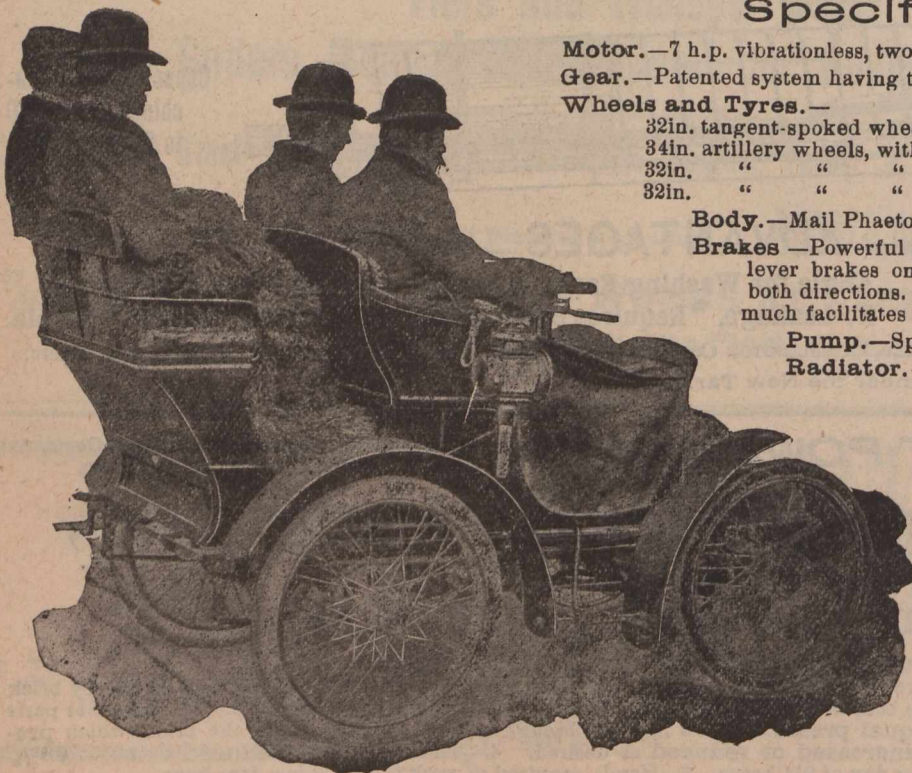
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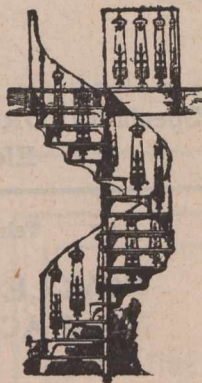
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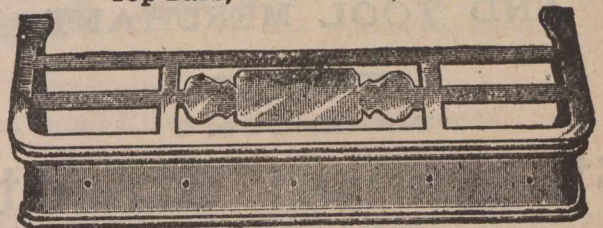
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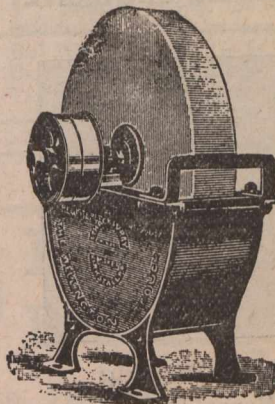
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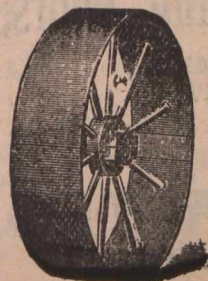


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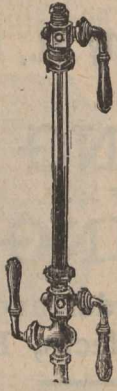
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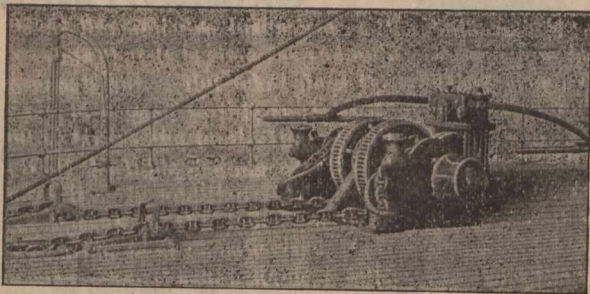
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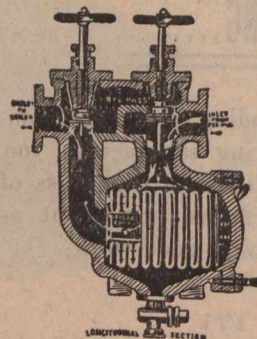
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SECURITIES.		London April 24	
British Columbia, 1877 5 p.c.	106	110	
1887, 4 1/2 per cent ...	94	96	
Canada, 4 per cent. loan, 1860	106	108	
3 per cent. loan, 1888-99	101	103	
Debs. 1884, 3 1/2 per cent	103	105	
2 1/2 p.c. loan, 1897	83	90	
Manitoba, 1885-6, 5 p.c.	107	109	
Railway and other Stocks.		April 24	
Quebec Province, 5 p. c., 1874.....	102	107	
1876, 5 p. c.	102	107	
1880, 4 1/2 p. c.	102	104	
1882, 5 p. c.	108	110	
Atlantic & Nth. Western 5 p.c. Gua 1st M. Bds	120	122	
Buffalo & Lake Huron \$10 shr.....	13 1/2	13 1/2	
do 5 1/2 p.c. bonds.....	136	139	
Can. Central 6 p.c. M. Bds. Int. guar. by Gov.....			
Canadian Pacific \$100.....	127	112 1/2	
Grand Trunk, Georgian Bay, &c.... 1st M.....	99	101	
Grand Trunk of Canada Ord. stock.	11 1/2	11 1/2	
2nd equip. mtg. bds. 5 p.c.	126	128	
1st pref. stock..... 5 p.c.	190	190 1/2	
2nd pref. stock.....	83 1/2	84	
3rd pref. stock.....	35	3 1/2	
5 p.c. perp. deb. stock.....	132	135	
4 p.c. perp. deb. stock.....	106	107	
Great Western shares, 5 p.c.	132	135	
Hamilton & N.W., 5 p.c.	105	107	
M. of Canada Stg. 1st Mort. 5 p.c. ...			
Montreal & Champlain 5 p. c. 1st mtg. bds			
N. of Canada, 1st mtg., 5 p.c.	99	101	
Quebec Central, 5 p.c. 1st Inc. Bds...	01	104	
T. G. & B. 4 p.c. bonds, 1st mort....	106	108	
Well., Grey & Bruce, 7 p. c. bds.... 1st Mort	110	113	
St. Law. & Ott. 4 p.c. Bds.....	105	108	
MUNICIPAL LOANS.			
City of London (Ont) 1st pref 5 p.c.	—	—	
City of Montreal stg. 5 p.c 1874	102	104	
City of Ottawa, 4 1/2 p.c. stg.....	103	105	
redeem 1875	100	103	
redeem 1875	101	104	
City of Quebec, 5 p. c. redeem 1875..	107	109	
redeem 1875	112	114	
City of Toronto, 4 p.c. 1889-93	100	102	
6 p.c. stg. con. deb. 1874-1876..	100	106	
5 p.c. gen. con. deb. 1879.....	111	113	
4 p.c. stg. bonds,	102	104	
City of Winnipeg deb., 1884, 5 p.c. Deb. scrip. 1883, 5 p.c	107	109	
MISCELLANEOUS COMPANIES.			
Canada Company	36	40	
Canada North-West Land Co.....	10	12	
Hudson Bay	25 1/2	26 1/2	
BANKS.			
Bank of British North America.....	67	69	
" " Montreal.....	530	540	
Canadian Bank of Commerce.....	15	16	

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THE STEVENSON BOILER, MACHINE SHOP AND FOUNDRY WORKS AT PETROLIA, ONT., (now of twenty years' standing), continues to make Marine, Stationary and Portable Boilers of all kinds. The Canadian Oil Wells and Refiners and Mills in this section are nearly entirely supplied with Boilers and other Plate Work from this shop; while for well-drilling purposes it has sent many boilers to Germany, Austria, India and Australia. It also makes Oil Stills, Tanks, Bleachers and Agitators, Salt Pans, Steam Boxes for Stave and Hoop Mills, and any desired work in Plate or Sheet Steel or Iron, as well as all productions of Machine Shops, including Steam Engines and Castings in Iron and Brass.

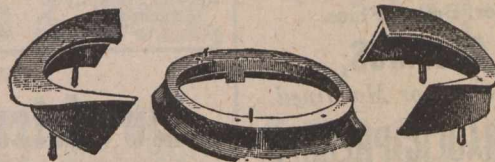
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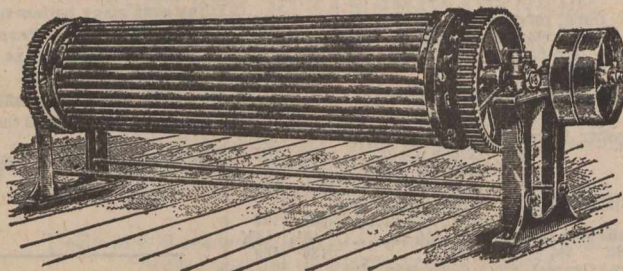
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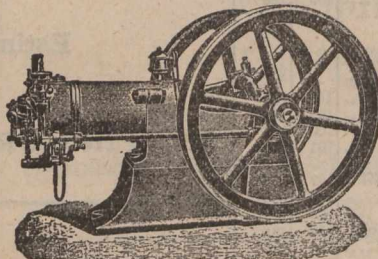
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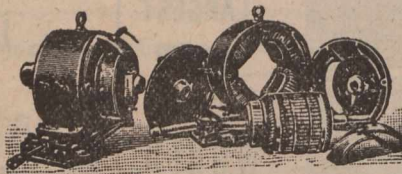
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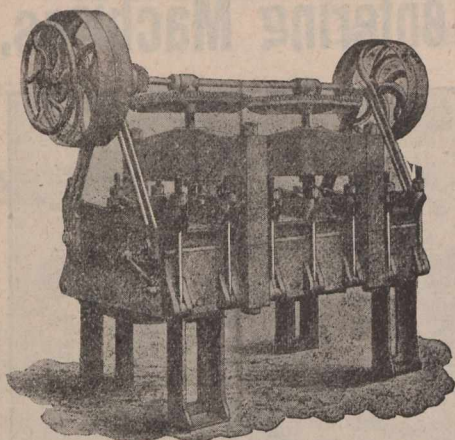
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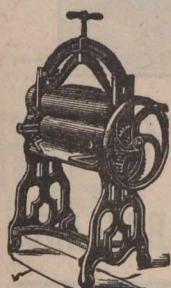
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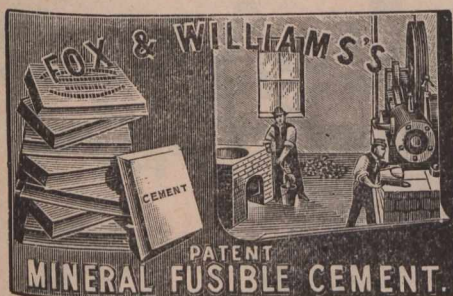
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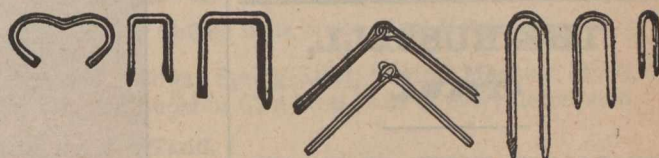
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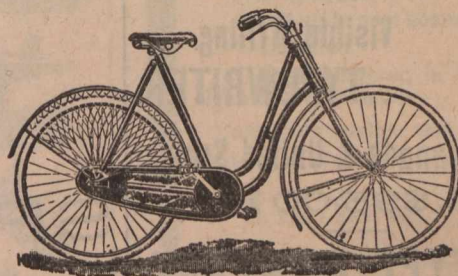
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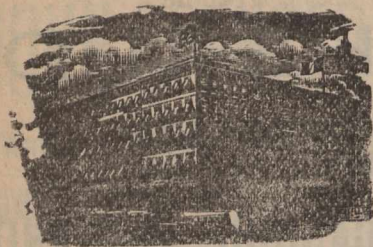
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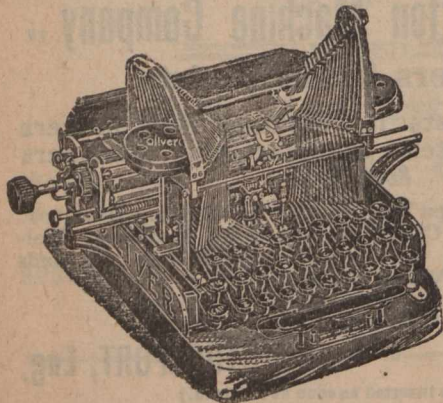
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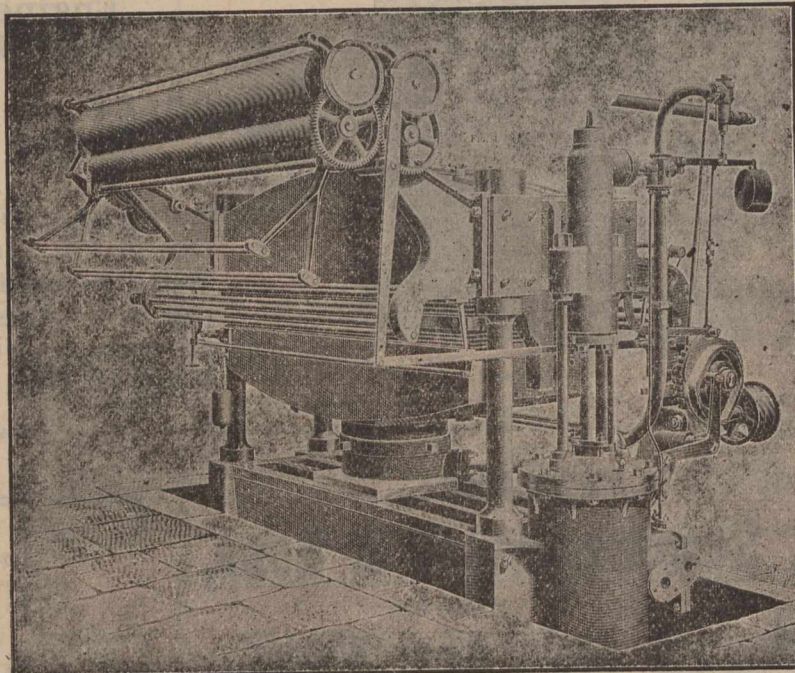
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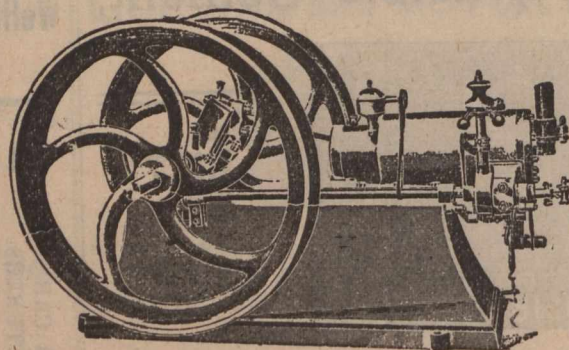
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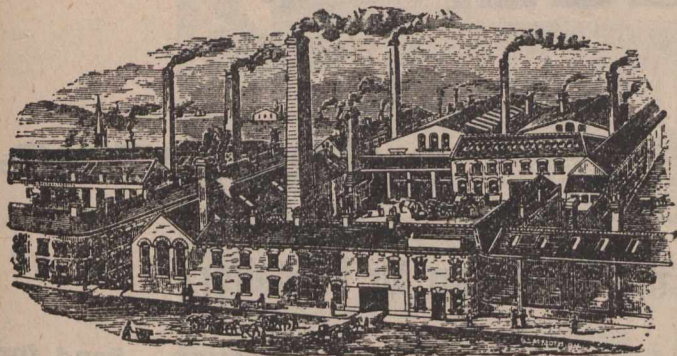
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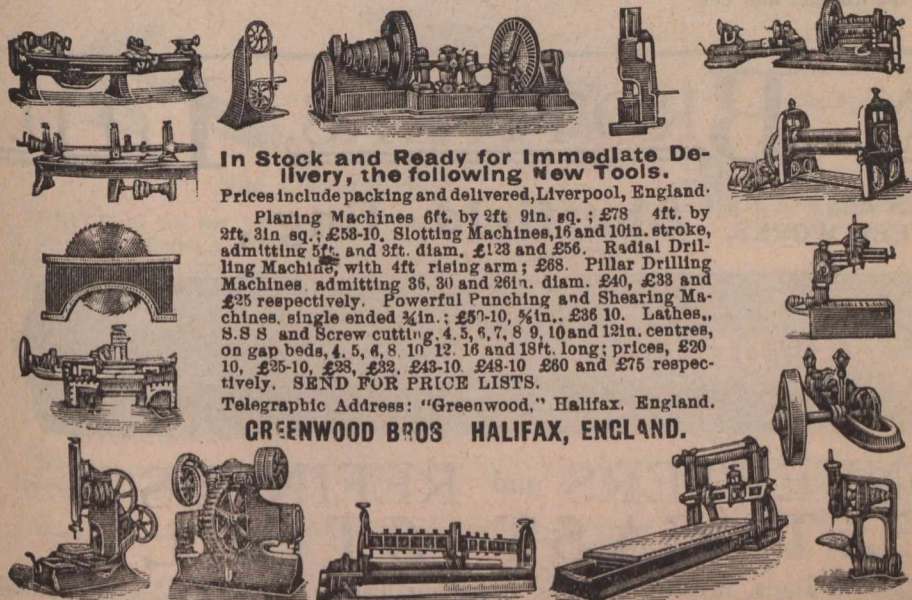
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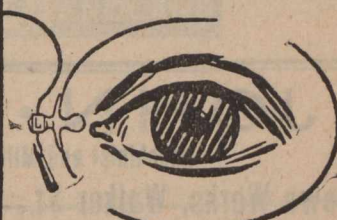


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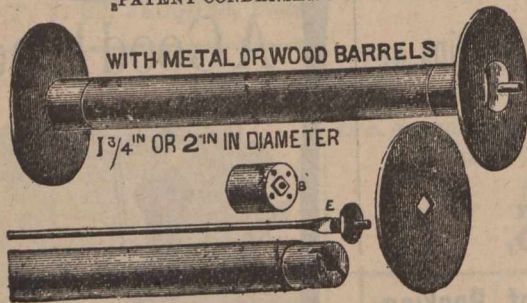
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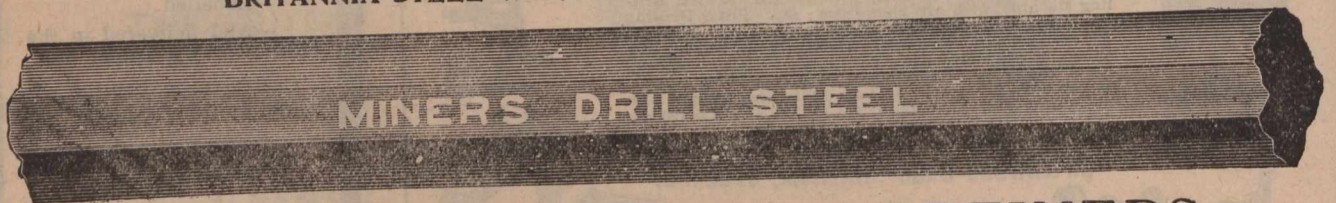


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35 Hood Street, Jersey Street, - ANCOATS,
MANCHESTER, ENGLAND.

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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."

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KERSHAW BROTHERS,

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

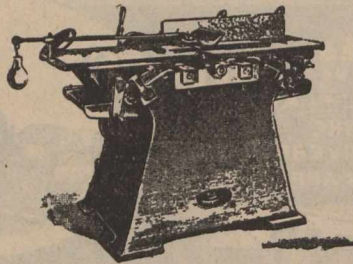
RAILWAY
IRON WORKS,

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 LEEDS ENG.
MANUFACTURERS OF ALL KINDS OF HAND & STEAM POWER
WOOD WORKING MACHINERY

TENONING TOOL. £2.0.0
BORING APPARATUS £1.5.0
PRICE £ 8.0.0
PRICE £ 22.10 COMPLETE AS ABOVE

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.

Get 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.

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 34,472,795 | 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: 113-115 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,
 1709 Notre Dame St., Montreal.

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

Insurance.

British * America ASSURANCE COMPANY.

HEAD OFFICE, - - - TORONTO,

Incorporated 1833.

FIRE AND MARINE.

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

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

JUSTICE and SATISFACTION

in dealing with both Agents and Policy-holder — fairness coupled with invariable honesty of purpose. These are the endeavors of the management of the Union Mutual in all transactions. And Promptness is another Home Office motto—prompt answering of letters, prompt issuing of policies, prompt settlement of claims. Always a place for reliable, capable Agents.

Union Mutual Life Insurance Co.,

Portland, Maine. INCORPORATED 1848.

FRED E. RICHARDS, President.
 ARTHUR L. BATES, Vice President.
 Address: HENRI E. MORIN, Chief Agent for Canada,
 151 St. James St., Montreal, Canada.

For Agencies in the Western Division, Province of Quebec and Eastern Ontario apply to WALTER I. JOSEPH, Manager, 151 St. James St., 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.

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
\$163,000,000

AN UNPARALLELED RECORD.

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

WESTERN CAN. BR., 496 1/2 Main St., Winnipeg, Man.
N. B. BR., 120 Prince William St., St. John, N. B.
TORONTO BRANCH, 6 King St., West, Toronto, Ont.
HALIFAX BR., Barrington and Prince Sts.

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 LAPOSTOLLE, K.C.M.G.
G. F. C. SMITH, Resident Secretary.

Head Office, Canada Branch:

MONTREAL.

THE WATERLOO MUTUAL

Fire Insurance Company.

Established in 1863. Head Office, Waterloo, Ont.

Total Assets, Jan. 1, '94, \$349,734.71.

GEORGE RANDALL, Esq., President; JOHN SMUH,
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.

Royal - Victoria Life Insurance Co

OF CANADA

CAPITAL, \$1,000,000.00

Progress in 1901 over Previous Year.

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

Progress to March 31st, 1902.

Increase in applications.....	53 p.c.
Increase in insurance issued.....	52 "

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

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

NATIONAL ASSURANCE COMPANY OF IRELAND.

ESTABLISHED 1822.

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

Canadian Branch:

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

H. M. LAMBERT, - MANAGER.

B. S. & W. WHITELEY

Press
Paper
Manufacturers,

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

DISTINCTIVE QUALITIES

—OF—

North Star, Crescent
and Pearl Batting.

Purity, Brightness, Loftiness.

No Dead Stock, oily threads nor miserable yellow fillings of short staple. Not even in lowest grades. Three grades—Three prices and far the best for the price.

WESTERN ASSURANCE COMPANY.

FIRE AND MARINE. Incorporated 1851.

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

Head Office. - Toronto, Ont.

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

Montreal Branch, - 189 ST. JAMES STREET.

ROBT. BICKERDIKE, Manager.

ROUTH & CHARLTON, City Agents.

THE IMPERIAL INSURANCE COMPANY LIMITED

FIRE.

LONDON.

ESTABLISHED 1808.

SUBSCRIBED CAPITAL, \$6,000,000
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.

COMMERCIAL UNION

ASSURANCE CO., Ltd.,

Of London, England.

FIRE LIFE MARINE

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

HEAD OFFICE, Canadian Branch, - MONTREAL.

JAMES MCGREGOR, Manager.