

Union British Refrigerator Co., Ltd.
 101 ST. JAMES ST., MONTREAL.
 Sole Manufacturers
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 Special Machines for DAIRIES, BUTCHERS, Etc.
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THE CANADIAN
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 FINANCE AND INSURANCE REVIEW

Vol. 54. No. 6.
 NEW SERIES.

MONTREAL, FRIDAY, FEBRUARY 7, 1902.

M. S. FOLEY,
 EDITOR AND PROPRIETOR

McIVRE SON & Co.,

MONTREAL.

IMPORTERS of DRY GOODS.

DRESS GOODS,
 SILKS,
 LINENS,
 SMALL WARES,

TREFOSSÉ KID GLOVES,
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White Lead, Colors,
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Oils, Chemicals, Dyestuffs,
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Manufacturers of Aniline, Colors and
 other Coal Tar Products.

JAMES CORISTINE & CO.,
 Limited.

Manufacturers and
 Importers of

**HATS
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 AND FURS**

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FARM FOR SALE.

○○○

FOR SALE, IN CANADA (ABOUT 5 MILES West of Niagara Falls) in the Garden of the Dominion, that First-Class Grain, Pasture and Fruit Farm known as "BEECHLANDS," situated immediately East of the town of Thorold, and 4 1/2 miles from St. Catharines, in the Province of Ontario; about 1/2 mile from P. O., Market, Railway Stations, Churches, Schools, &c., containing about 90 acres fertile loam clay; Fishing Stream, Partridge Grove, Barns, Stables and other Outhouses, all for \$7,500. Contains large Stone House, Orchard, Grove and Lawn, Gothic Stone Lodge. Easy terms. Produces Wheat Oats, Barley, Hay, Clover, Apples, Grapes, Pears, Peaches, Plums, Cherries, Quinces, Strawberries, and other small fruits. The steam railway service to the Falls has been replaced by an electric railway service. Address the owner, M. S. FOLEY, Editor and Proprietor of the "Journal of Commerce," Montreal, Canada.

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THE American Tobacco Co.

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Are sold by all the Leading Wholesale
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Old Chum,
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 Old Gold.

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Richmond Straight Cut,
 Sweet Caporal,
 Athlete, Derby.

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

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**Destructors and
 Boiler Furnaces.**

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 LEEDS, England.

Canadians can purchase these furnaces
 under the new Canadian Tariff, 33 1/2 p. c.
 cheaper than any other Country.

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 FILE WORKS.**

Est. 1863.

Inc. 1895.



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 GOLD MEDAL,
 AT ATLANTA, 1895.

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

The Chartered Banks.

BANK OF MONTREAL.

(ESTABLISHED 1817.)

Incorporated by Act of Parliament.

Capital (all paid up) \$12,000,000.00
Reserved Fund, - 7,000,000.00
Undivided Profits, - 510,084.04

HEAD OFFICE: MONTREAL.

BOARD OF DIRECTORS:

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

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" Seigneurs St. Branch.
" Point St. Charles Branch.
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Chatham, " Stratford, " Lethbridge, Alta.
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Deseronto, " Toronto, " Winnipeg, Man.
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" Amherst, N.S. Victoria, "

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IN GREAT BRITAIN:

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

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

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

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" The Bank of New York, N.B.A.
" National Bank of Commerce in N.Y.
Boston—The Merchants' National Bank.
" J. B. Moors & Co.
Buffalo—The Marine Bank, Buffalo.
San Francisco—The First National Bank.
" The Anglo-Californian Bank.
Montreal, 17th November, 1900.

THE BANK OF TORONTO.

INCORPORATED 1855.

HEAD OFFICE: TORONTO, CANADA.

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

DIRECTORS:

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

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

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

BANKERS:

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

The Chartered Banks.

THE BANK OF BRITISH NORTH AMERICA.

Established in 1836.

Incorporated by Royal Charter in 1840.
Paid-up Capital - £1,000,000.00 stg.
Reserve Fund, - 350,000.00 stg.

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

COURT OF DIRECTORS:

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

Head Office in Canada St. James street, Montreal

H STIKEMAN, General Manager.

J. ELMSLY, Inspector.

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Brantford, Halifax, N.S. Atlin,
Hamilton, St. John, N.B., Greenwood,
Toronto, Fredericton, Victoria,
Kingston, Yukon District, Vancouver,
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Ireland—Provincial Bank of Ireland, Limited, and branches.

National Bank, Limited, and branches.

Australia—Union Bank of Australia, and branches.

India, China and Japan—Mercantile Bank of India, Limited, and branches.

West Indies—Colonial Bank, Paris—Messrs. Marcuard, Krauss & 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

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H. Markland Molson, Lt.-Col. F. C. Henshaw,
JAMES ELLIOT, General Manager.
A. D. Durnford, Chief Inspector and Superintendent of Branches; W. H. Draper, Inspector.
H. Lockwood W. W. L. Chitman, Asst. Inspectors.

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

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

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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:

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Wiley Smith, Esq., H. G. Bauld, Esq.,
Hon. David MacKeen.

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Bathurst, N.B. Ottawa, Ont.
Bridgewater, N.S. Picton, N.S.
Charlottetown, P.E.I. Port Hawkesbury, N.S.
Dorchester, N.B. Rossland, B.C.
Fredericton, N.B. Sackville, N.B.
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Moncton, N.B. Victoria, B.C.
Montreal, Que. Westmount, P.Q.
Montreal, West End. Weymouth, N.S.
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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 Bank. Chicago, Illinois Trust and Savings Bank. San Francisco, First National Bank. Portland, Ore., First National Bank. Seattle, Washington National Bank. Spokane, Exchange National Bank. Collections made at lowest rates and promptly remitted for. Telegraphic transfers made and drafts issued at current rates.

ST. STEPHEN'S BANK.

Incorporated 1836.

St. Stephen, N.B.

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

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

AGENTS:

London—Messrs. Glyn, Mills, Currie & Co. New York—Bank of New York, N.B.A. Boston—Globe National Bank. Montreal—Bank of Montreal. St. John, N.B.—Bank of Montreal.
Drafts issued on any branch of the Bank of Montreal.

THE WESTERN BANK OF CANADA.

HEAD OFFICE: OSHAWA, ONT.

Capital Authorized, - \$1,000,000
Capital Subscribed, - 500,000
Capital Paid-up, - 401,200
Reserve, - 134,000

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.,
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BRANCHES—Whitby, Midland, Tilsonburg, New Hamburg, Paisley, Penetanguishene, Pickering, Port Perry, Ont., Tavistock, Ont.
Drafts on New York and Sterling Exchange bought and sold. Deposits received and interest allowed. Collections solicited and promptly made.
Correspondents at New York and in Canada—Merchants Bank of Canada. London, England—Royal Bank of Scotland.

THE ONTARIO BANK.

Capital subscribed - \$1,500,000.00
Capital Paid-up - 1,238,000.00
Rest - 260,000.00
Profit and Loss Account - 16,998.04

HEAD OFFICE: TORONTO, O.

DIRECTORS:

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

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

AGENTS:

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

The Chartered Banks.

THE CANADIAN BANK OF COMMERCE

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

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Matthew Leggat, Esq., J. W. Flavella, Esq.,
Frederic Nicholls, L. Melvin Jones,
A. Kingman, Esq.

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

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Brantford Goderich Port Perry Walkerton
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Collingwood London Sit Ste. M'rie Windsor
Dresden Orangeville Seaforth Woodstock

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

IN GREAT BRITAIN
London, 60 Lombard St., E.C., S. C. Alexander, Mgr
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Seattle, Wash.; Skagway, Alaska.

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Traders Bank of Canada

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

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W. J. SHEPPARD, Waubanshene.

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

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Beator, Ingersoll, Strathroy,
Burlington, Leamington, St. Mary's,
Drayton, Newcastle, Sturgeon Falls,
Dutton, North Bay, Sudbury,
Elmira, Orillia, Tilsonburg,
Glencoe, Port Hope, Windsor,
Grand Valley, Ridgetown

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

BANQUE D'HOCHELAGA.

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

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and Alphonse Turcotte, Esq.,
M. J. A. PRENDERGAST, Gen'l Manager
C. A. GIBOUX, Assistant Manager
O. E. DORAIS, Inspector

Head Office, Montreal.
BRANCHES—Quebec, P. Q. Vankleek Hill, Ont.
Three Rivers, P. Q. Winnipeg, Man.
Joliette, P. Q. St. Henri, near Montreal
Sorel, P. Q. 1383 St. Catherine "
Valleyfield, P. Q. 1756 "
Louisville, P. Q. 2317 Notre Dame "
Sherbrooke, P. Q. Hochelaga, "

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The Chartered Banks.

BANK OF HAMILTON.

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

HEAD OFFICE - HAMILTON.

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

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Berlin, Indian Hd., n.w.r. Pilot Mound.
Blyth, Jarvis, Man.
Brandon, Man. Listowel, Plum Coulee, M.
Carman, Man. Lucknow, Port Elgin.
Chesley, Manitou, Man. Port Rowan,
Delhi, Milton, Simcoe,
Dundalk, Mitchell, Southampton,
Dundas, Moose Jaw, Stonewall, M.,
Georgetown, N. W. T. Toronto,
Gorrie, Morden, Man. Vancouver, B.C.
Grimsby, Niagara Falls, Wingham,
Hamilton, E. End Orangeville, Winkler, Man.
Hamilton, Owen Sound, Winnipeg, Man.
Barton St.,

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

The Dominion Bank.

NOTICE is hereby given that a Dividend of 2½ per cent. upon the Capital Stock of this Institution, has been declared for the current quarter, being at the rate of 10 per cent. per annum, and that the same will be payable at the Banking House, in this city, on and after Saturday, the first day of February next. The transfer books will be closed from the 21st to the 31st January next, both days inclusive. By order of the Board.
T. G. BROUGH, Gen. Manager.
Toronto, December 24th, 1901.

Eastern Townships Bank.

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

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

HEAD OFFICE, SHERBROOKE, Que.
WM. FARWELL, General Manager.
Branches: Province of Quebec.—Montreal, Waterloo, Cowansville, Rock Island, Costicook, Richmond, Granby, Huntington, Bedford, Magog, St. Hyacinthe, Ormstown, Windsor Mills, Province of B. C.—Grand Forks, Phoenix.

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

The BANK OF OTTAWA.

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

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

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

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

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The Chartered Banks.

UNION BANK OF CANADA

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

HEAD OFFICE, QUEBEC

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ANDREW THOMSON, Esq., President.
HON. JOHN SHARPLES, Vice-President.
D. C. THOMSON, Esq., E. J. Hale, Esq.
Ed. Giroux, Esq., Wm. Shaw,
Wm. Price, Esq.
E. E. Webb, Gen. Manager
J. G. Billett, Inspector
F. W. S. Crispo, Asst. Inspector

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Arcola, N.W.T. Kemptville, Ont. N.W.T.
Boissevain, Man. Killarney, Man. Quebec, Que.
Calgary, n.w.r. Lethbridge, n.w.r. do St. Louis St.
Carberry, Man. Macleod, n.w.r. Regina, n.w.r.
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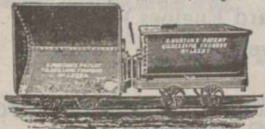
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69—R. H.'s Patent 6-Ton Steel Double Side Tip Wagon, to work with ordinary City Wagons



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



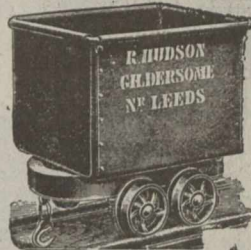
66—R. H.'s Latest Patent V or U-Shaped Double Side Tips. Occupy less room than any other make



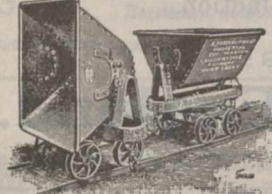
30—R. H.'s Patent End Tip Wagon. Made to any gauge and any capacity.



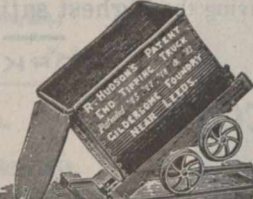
76—Hand Trolley, made to carry any weight or to suit any rail gauge.



70—R. H.'s Patent Steel Mining Wagon



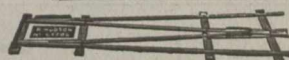
60—R. H.'s Patent Double-Centre Universal Tip Wagon tipping either End ways or Sideways at will



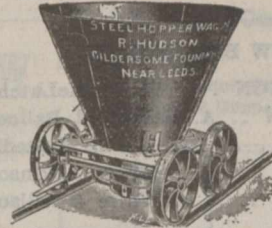
1—R. H.'s Patent Steel End Tip Wagon



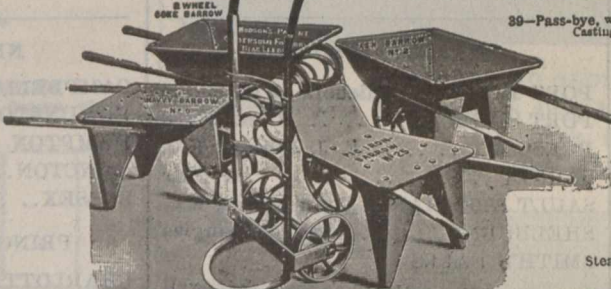
40—Turnout, with Fixed Point



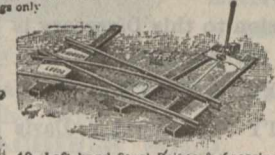
89—Pass-by, with Fixed Points Castings only



27—Hopper Wagon, with Slide Door



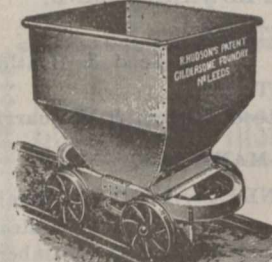
16—R. H.'s Patent Steel Barrows. Practically indestructible



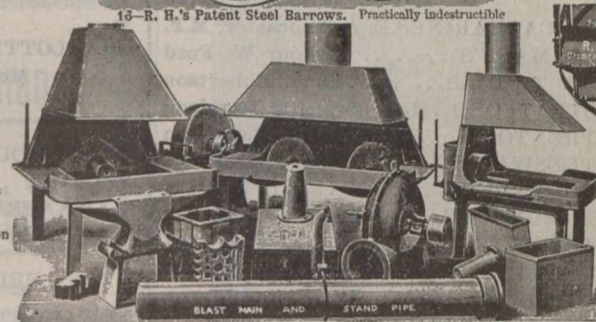
10—Left-hand Steel Points & Crossing



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



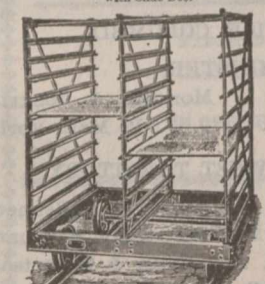
69—R. H.'s Improved Steel Hopper Wagon with Slide Door



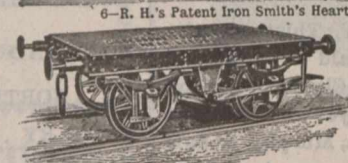
6—R. H.'s Patent Iron Smith's Hearths. No Brickwork required



Steamship Barrow. Drawing V 10



68—Cake Drying Wagon



56—10-Ton Platform Railway Wagon



58—Steel Plate Bogie



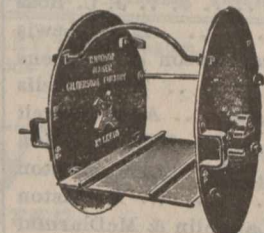
51—R. H.'s Patent Steel Cart, with R. H.'s Patent Steel Wheels and R. H.'s Patent Steel Shafts. Practically indestructible.



22—Two Tons Steel Plate Bogie. Practically indestructible.



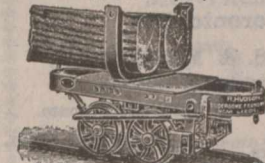
71—R. H.'s Improved Steel Tank Cart. 200 Gallons capacity



78—Tippler for Mining Wagons



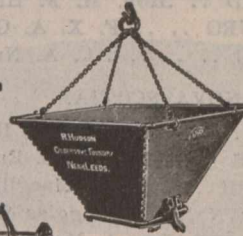
15—R. H.'s Improved Steel Cage, with Safety Grippers and Fallers complete



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



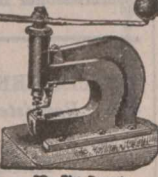
70—Foundry Fettling Box



57—Steel Coal Box with Drop Bottom



54—Portable Coal Wagon



38—Fly Punch



28—Foundry Ladle



Self-righting Steel Tip Bucket, used with Patent self-erecting Catch if desired



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



62—Mining Kibble with or without Valve in bottom



43—R. H.'s Patent Railway Carriage, in Delta, Rivets, or Loose Parts. Will last ten times as long as the ordinary kind. Guaranteed thoroughly satisfactory

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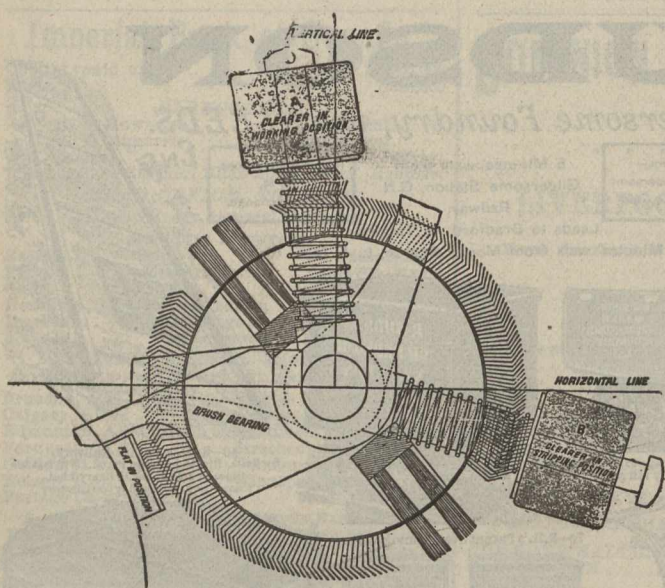
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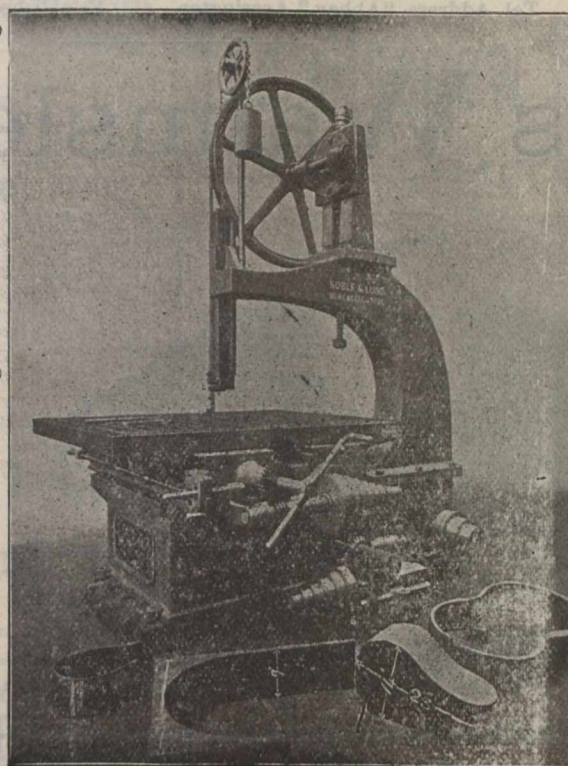
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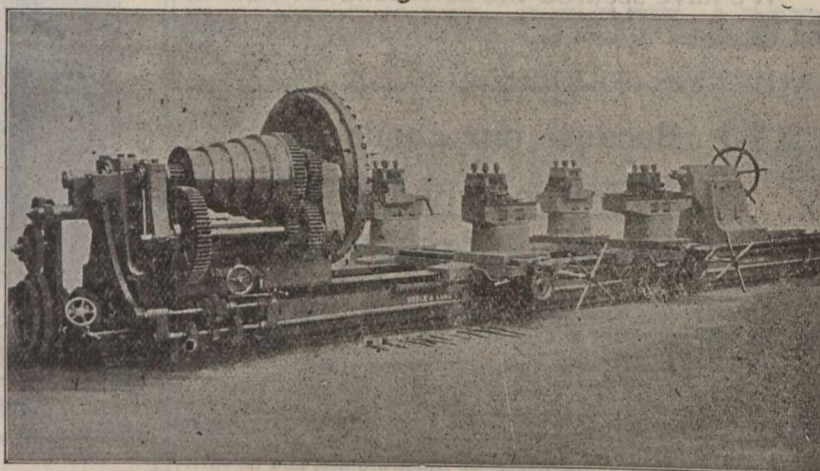
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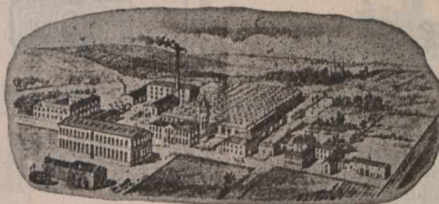
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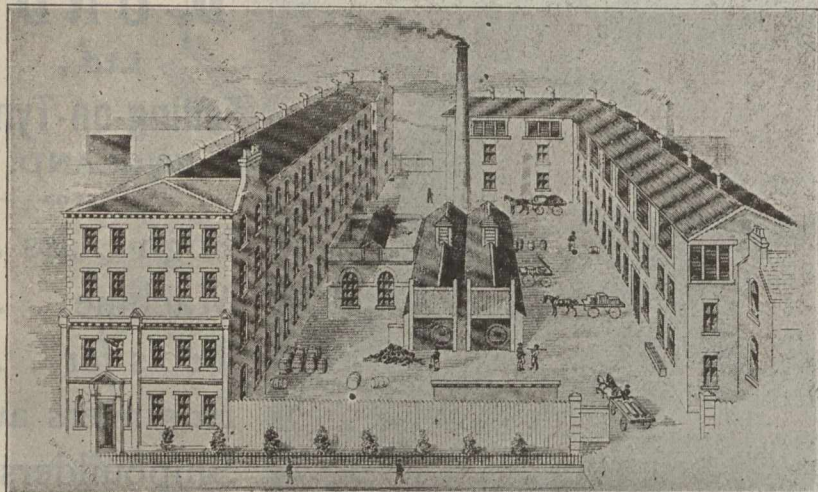
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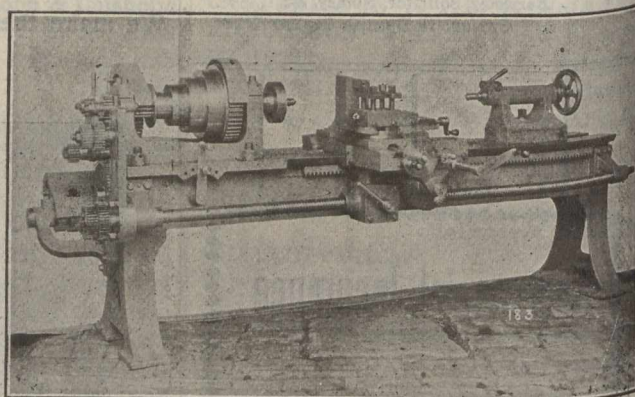
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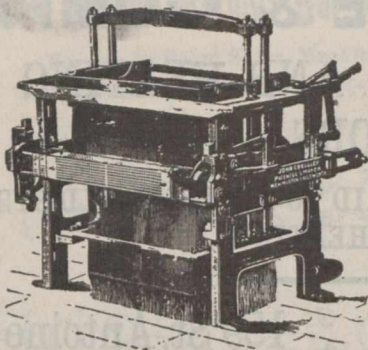
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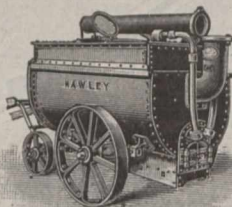
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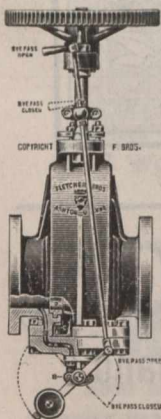
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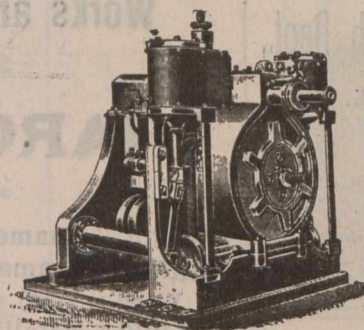
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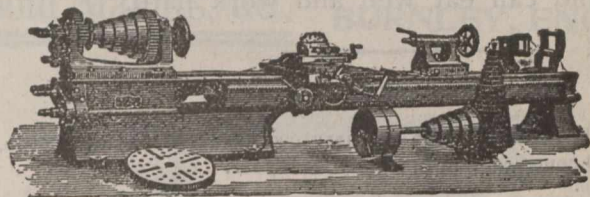
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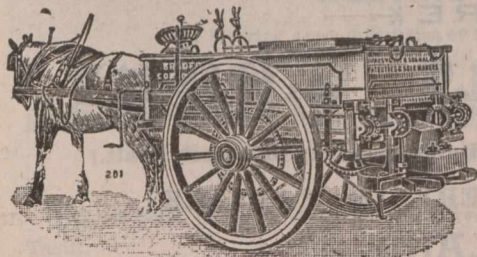
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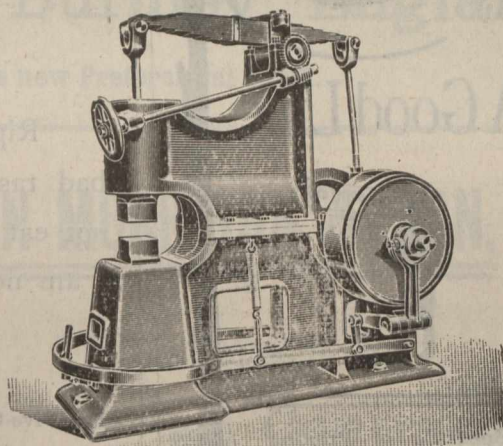


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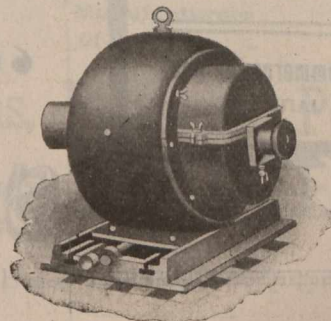
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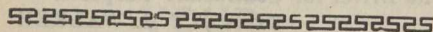
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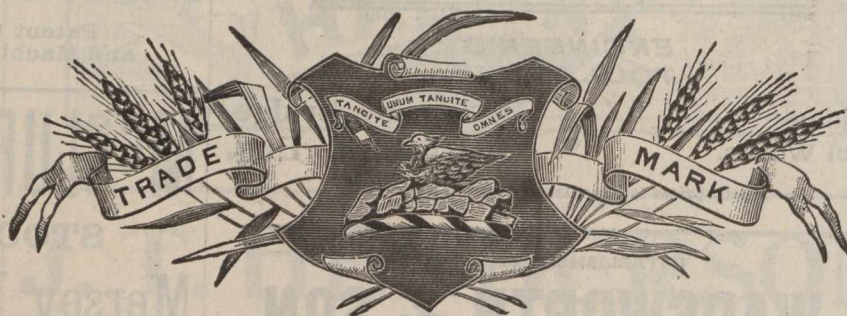
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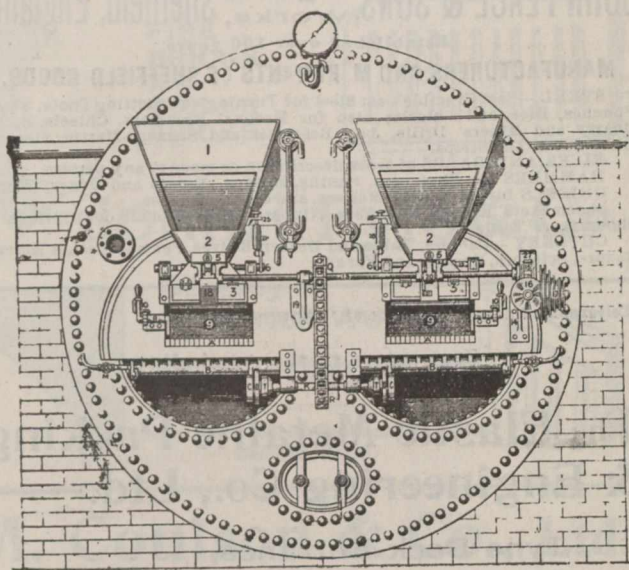
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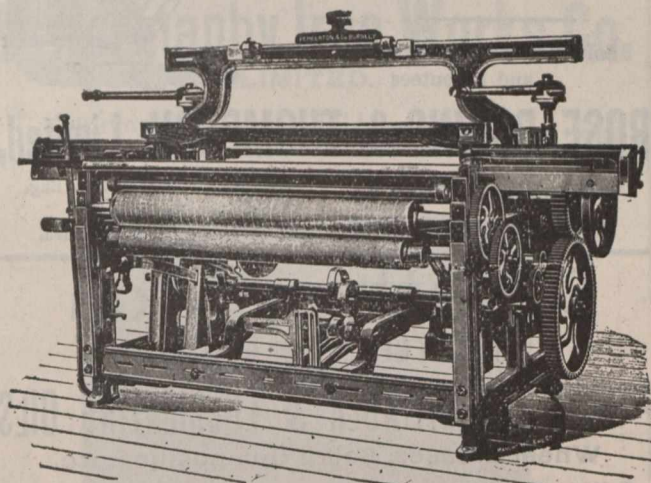
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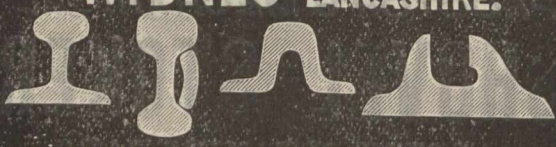
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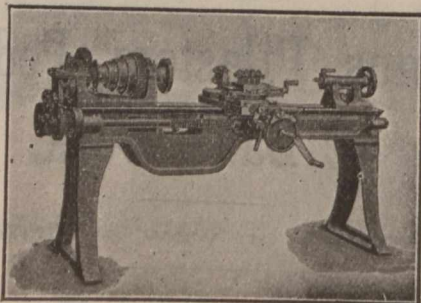
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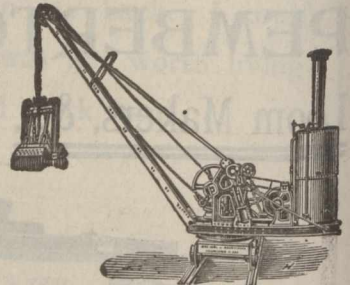
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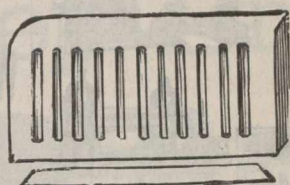
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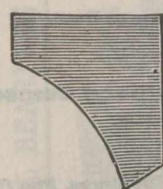
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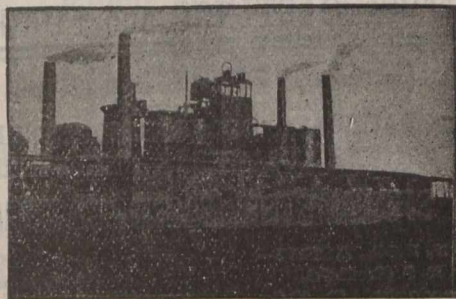
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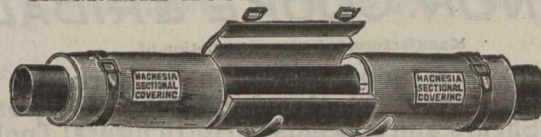
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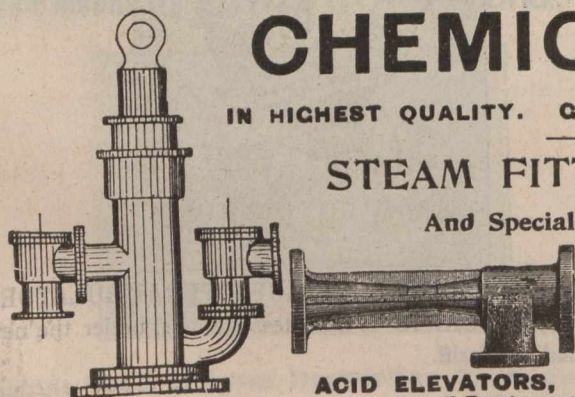
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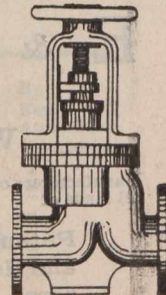
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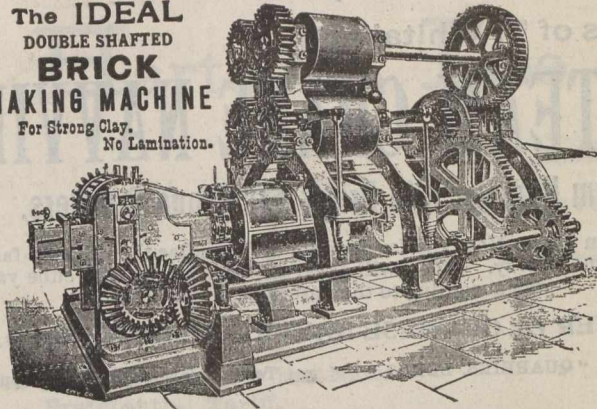
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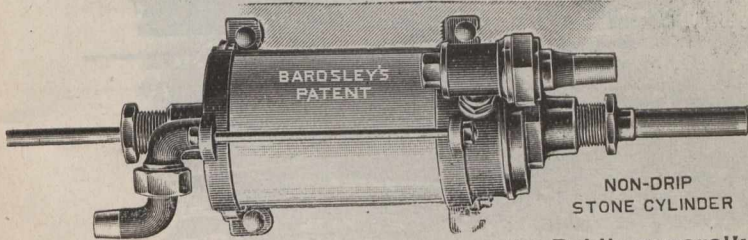
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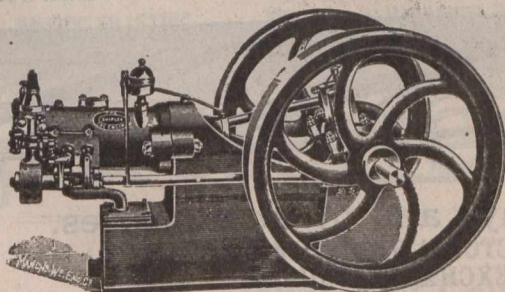
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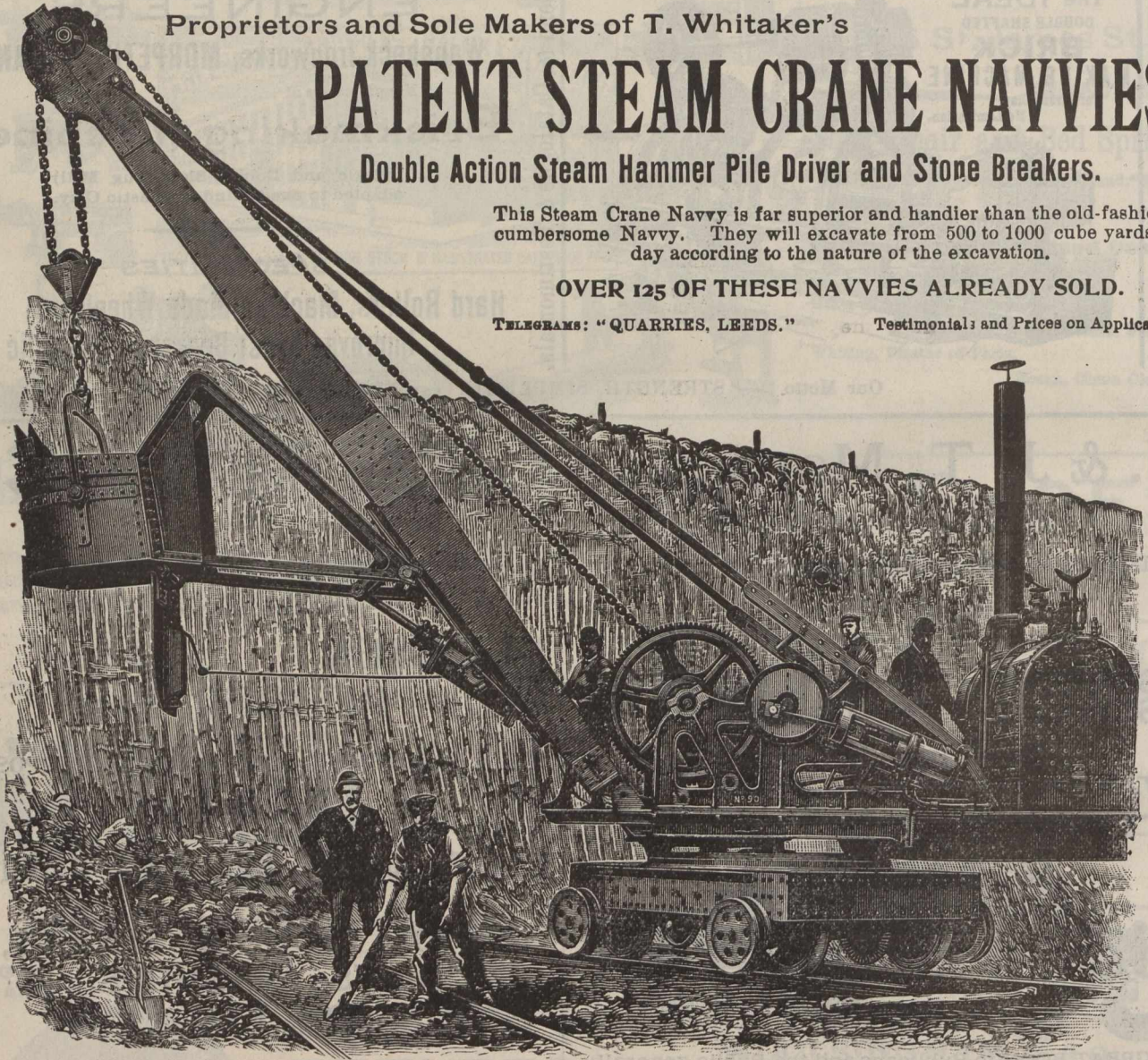
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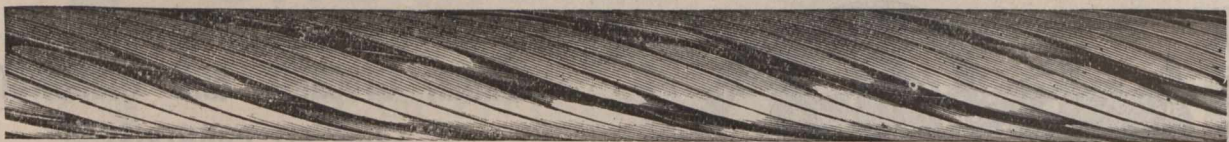
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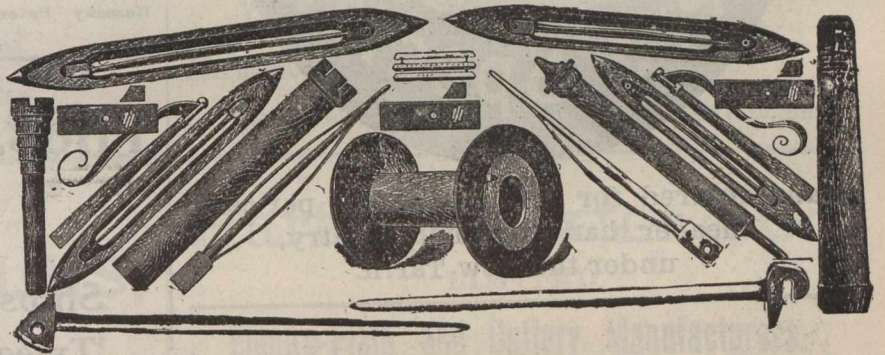
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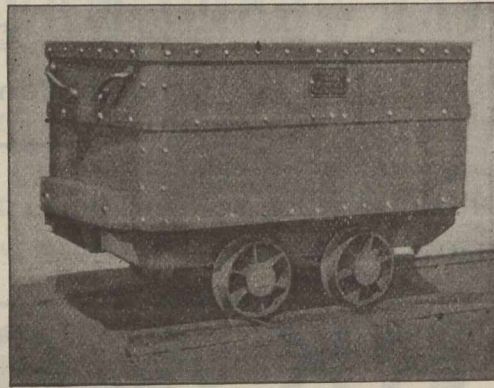
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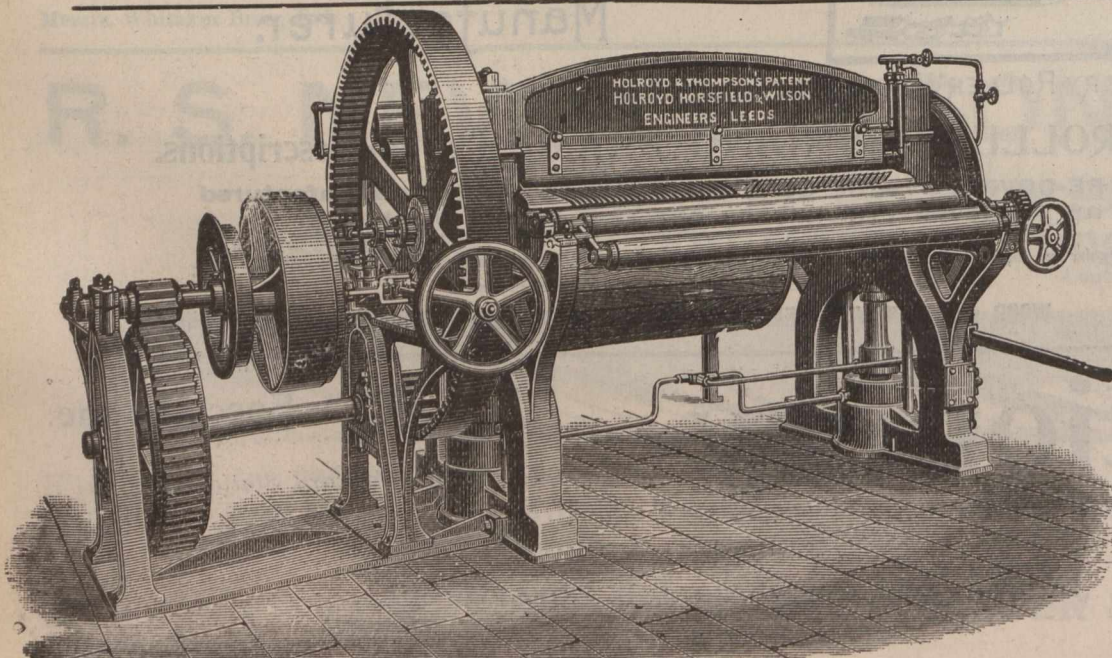
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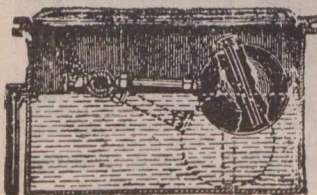
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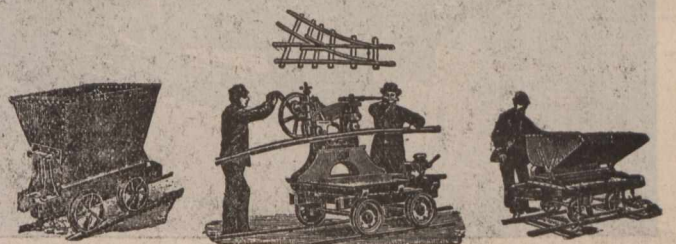
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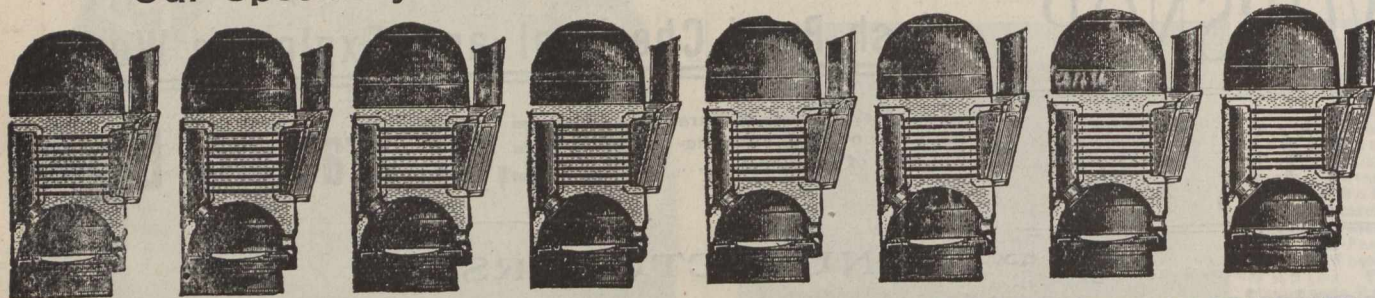
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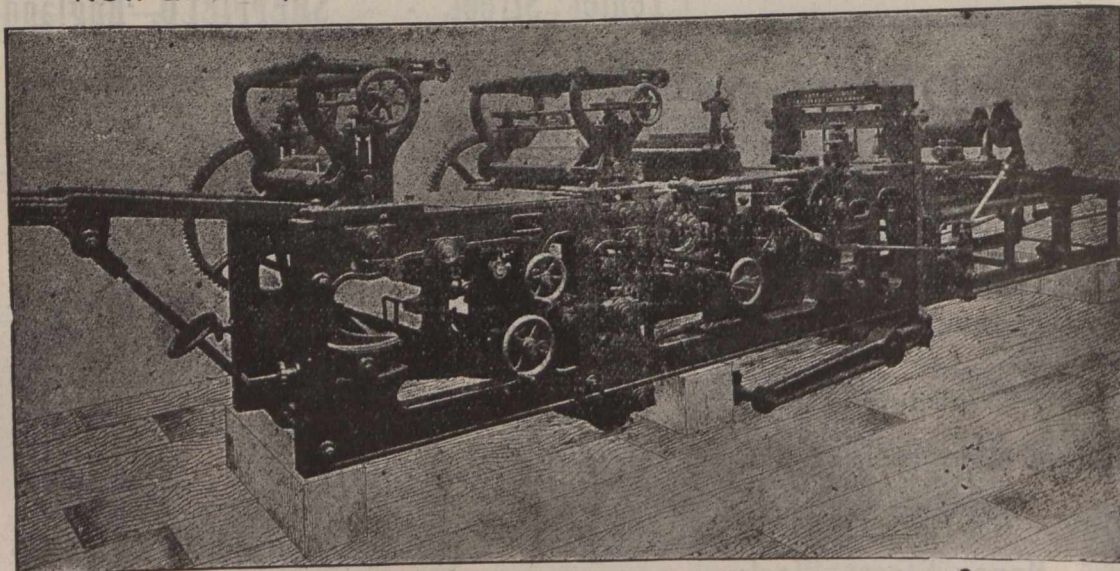
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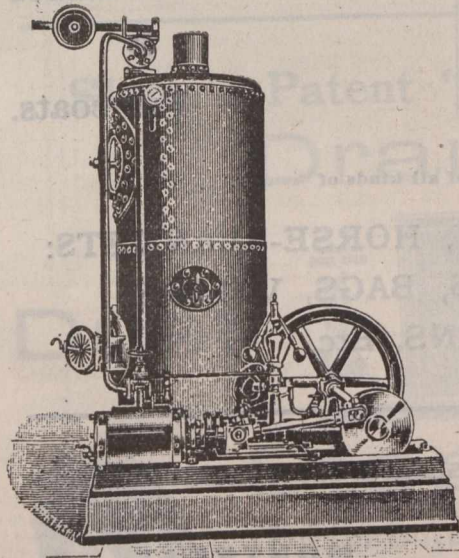
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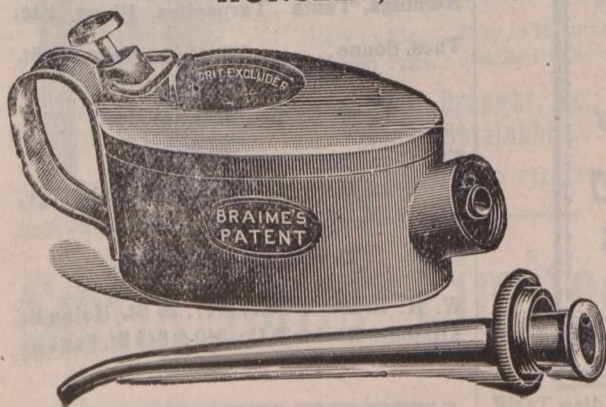
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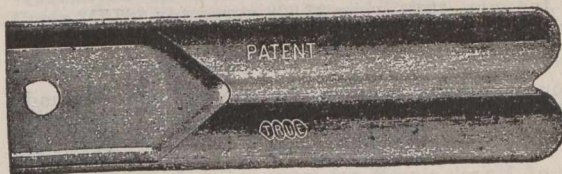
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PATENT "TRUE" TEMPLE.
With Steel Cap and Patent Adjustable Roller Bearers.

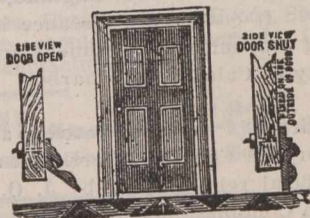


By far the best Roller Temple yet produced, and superseding Ring or Swiss Temples. Thousands are now in use and are giving the greatest satisfaction.

Station Works, - Padiham, England.

Slater's Patent "RELIABLE" Draught

Dust



& Rain

Stopper

For the Bottom of Doors.

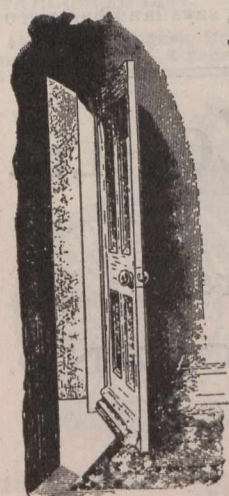
Stock Two sizes, and you can suit ANY WIDTH of Door. Cut in Two Minutes to any length.

Also THE CHEAP
"CHAMPION"

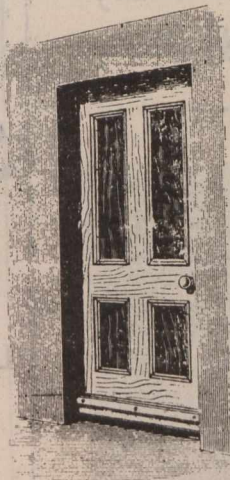
Easy to Fix. Easy to Remove.
Lowest Price. Quickest Sale.

The Cheapest Draught, &c., Preventer Obtainable.

BEST DISCOUNT TO THE TRADE



Door with Preventer, OPEN.



Door with Preventer, SHUT.

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

Commercial Summary.

Merchants, Manufacturers and other business men should bear in mind that the "Journal of Commerce" will not accept 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.

—London, Ont., assessment for 1902 is \$17,915,590.

—Toronto painters have demanded an eight hour day and thirty cents an hour. The present wage is 25 cents an hour for a nine hour day.

—It is rumoured that the movements among the Atlantic steamship lines, toward more remunerative sailings will include a combination to greatly increase immigrant rates to Canada.

—Action has been taken at Whitby, Ont., towards forming a company with a capital of \$500,000 for the erection of a beet sugar factory. American capitalists have prepared to furnish most of the money.

—Plans were submitted at London, Eng., recently for the approval of the Government Board of Trade for the construction of a mono-rail system of transit between Edinburgh and Glasgow. The speed of the system would be 117 miles an hour, meaning that the journey of 49 miles would be covered in 25 minutes.

—The Hudson Bay Company has decided to erect a new flour mill at Fort Vermillion, on Peace River, in the far north. The increase in wheat acreage and productive crops grown in that district have caused the company to take action. The heavy machinery will be transported by sleighs and scows to Peace River, and the mill erected during the coming summer.

Telegrams:
"LOCO, LEEDS."

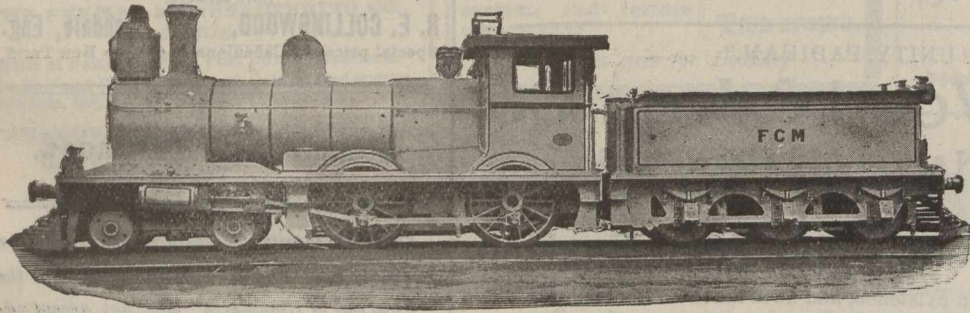
A. B. C. & A. I.
Codes Used.



ESTABLISHED 1860.

HUDSWELL, CLARKE & Co., Ltd.

RAILWAY FOUNDRY, LEEDS, ——— ENGLAND.



SPECIALTY:

Locomotive Tank Engines.
Rodgers Pulleys Registered.

Canadian buyers have 33 1/3 per cent. in their favour, by purchasing English Loco. motives.

Contractors to H. M. Government.

HARRAP BROS.,

Manufacturers

Kendal and other Knitting Worsteds,

Fingerings and German Wools, Andalusian
and Soft-Spun Saxony

Sole Makers of the
Celebrated

"PRIMULA" WOOL FOR HOSIERY.

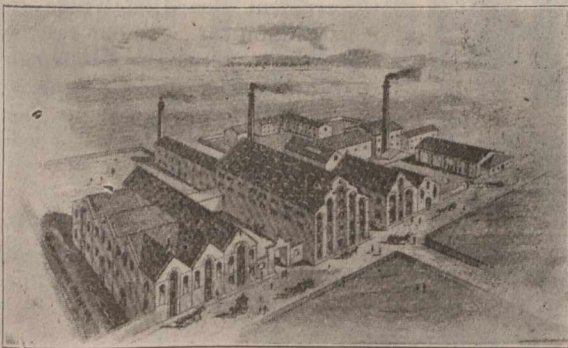
Also Coating Yarns, in Warp and Weft,
in Hank, or on Tubes or Cheeses

Bective Mills, Alverthorpe, - Wakefield, England.

Special terms to Canadians under the New Tariff.

Preston's Liverpool Distillery Company, Limited.

Finest Grain Spirits,



Distillery: - - BANKHALL, SANDHILLS.

OFFICE:
4 India Buildings, Water Street,

LIVERPOOL, Eng.,

—Canadian Pacific land sales for the month of January, 1902, were 109,846 acres for \$347,761. Sales for the same month in January, 1901, were 27,928 acres for \$86,752.

—A London cable states that the Canadian Government will personally conduct parties of emigrants to Canada. The High Commissioner, Lord Strathcona, is making arrangements for the first party, which will leave about the beginning of March.

—At a meeting of the creditors of Scott & Welch, general store, Moorefield, Ont., held recently, it was decided to sell the stock to A. Scott & Co. for sufficient to pay the creditors 60 cents in the dollar. The liabilities were \$5,287 and assets \$5,370.

—It is claimed that a new train which is now running between Paris and Calais for the convenience of passengers going to and from England, will be the fastest in the world. It covers the distance in three hours, despite a stop of four minutes at Amiens and slow steaming through the city of Calais to the harbor.

—Thirty-six thousand settlers are expected over the Soo line for the Canadian Territories this year, according to the official report made by J. O. Smith, Dominion Immigration Commissioner, back from an inspection trip. These settlers are from the States. Mr. Smith says land has risen

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.

DAVY BROTHERS

Limited.

TELEGRAMS:
"Motor, Sheffield."

SHEFFIELD, England.

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

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

THE CELEBRATED

"Castle Brand" AND "Castletyne" Household Specialities

Attractively packed in neat bottles and tins for retailing. Absolutely the finest and most popular goods now on the market.

In Small, Medium and Large Glass Bottles.

Black Lacquer, Furniture Cream Polish,
Varnish Stain, "Castletyne" Brass Polishes,
Straw Hat Polishes, Universal Gum,
Everbright for Cycles.

IN TINS.

"Castletyne" Metal Polish, "Castletyne" Health Salt,
Cycle Oils, Illuminating Liquid Paints,
and Lubricating, Enamels (beautiful shades),
"Ceebeeco" Baking Powder, Pale Oak Varnish, etc.

IN MEDIUM and LARGE BOTTLES.

"Castletyne" Silver Cleaner, "Castletyne" Flavouring
Jap Enamel Black for Essences.
Cycles, Gold Paints,
Jap Lacquers for Metals.

SCREW CAPPED BOTTLES.
Boot Creams.

COLLAPSIBLE TUBES.
"Castletyne" Liquid Glue.

IN PACKETS.

Glue Powder, Concentrated Size, Powder Wood Stains.

STONEWARE BOTTLES.

Caustic Solution, Brunswick Black, Berlin Black,
And many other good and readily saleable articles.

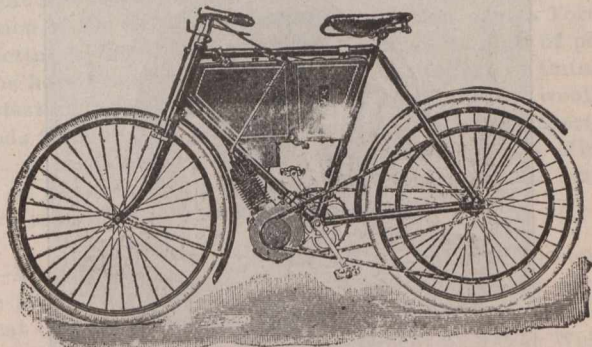
All high class Ironmongers, Chemists, Dry Goods Stores
Paint and Color Merchants, etc., should write at once for illus-
trated catalogue (to the sole Manufacturers:)

CASTLE BRAND COMPANY, Portland Road,
Newcastle-on-Tyne, Eng.
London Office: 40 St. John St., London E.C., Eng.

ESTABLISHED 1837.

Telegrams:—"PNEUMATIC, Leeds."

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



THE IMPERIAL MOTOR BICYCLE,
MANUFACTURED BY THE
LEEDS MOTOR EXPERTS,
WALKER BROS., "PRIMO"
Meanwood Road, LEEDS, Eng. WORKS,

from three dollars to four dollars and seven dollars per acre.

—Hon. C. W. Robinson, Capt Wright, F. C. Robinson, Moncton, N. B., and C. S. Hickman, Dorchester, have, we are informed, completed the purchase of a large tract of lumber lands at Shulee, N.S. The purchase comprises 20,000 acres and the amount involved is in the vicinity of \$100,000. The property has mill equipment and was bought from Gillespie, Pictou County.

—From London we learn that Mr. Marconi will commence his experiments in wireless telegraphy between Penzance and the continent very shortly, and that his trans-Atlantic experiments will be pushed with all practical speed. He is awaiting the completion of the station at Cape Cod, and a second at another location, which he says it would be impolitic to disclose.

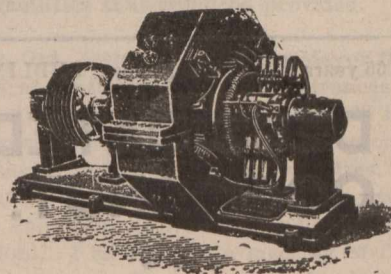
—It is learned from St. Petersburg that Senator W. A. Clark, the American millionaire mine-owner, is endeavoring to acquire copper mines in Southern Siberia. A Russian mining engineer has started for the United States to conclude the arrangement. An Englishman who recently arrived from Siberia says the country is swarming with American engineers seeking mining and other business.

ALFRED SYKES,

ELECTRICAL
ENGINEER,

Spring Place Works,

Huddersfield,
ENGLAND.



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

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

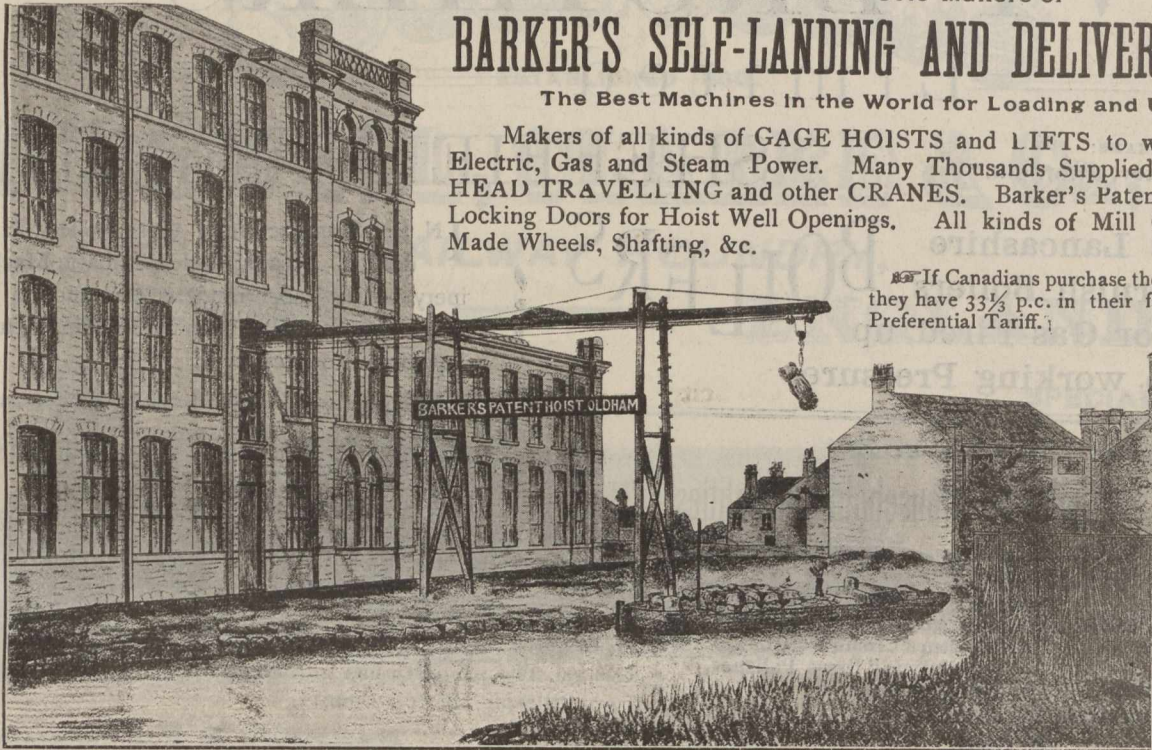
Original Inventors, Patentees and Sole Makers of

BARKER'S SELF-LANDING AND DELIVERING HOISTS

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

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

If Canadians purchase these Cranes in England, they have 33 1/3 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.

—The customs revenue for the month of January shows an increase of \$428,091 over the same month a year ago. The figures for the two months were: January, 1901, \$2,061,095; January, 1902, \$2,489,186. For the seven months of the present fiscal year, the customs receipts were \$18,355,878, as against \$16,674,146 for the same period of the year preceding, an increase of \$1,681,731.

—One of the largest farm implement manufacturing concerns in the United States is, according to a late Kingston letter, asking what inducements the city has to offer, if the company should start a branch there. This company sells considerable machinery and implements in Canada yearly, and in order to avoid the duty will within the next two years establish a plant in Canada. The Board of Trade sent a communication to the City Council with the recom-

mendation that a free site and exemption from taxes be offered.

—The International Mining Company, at Sault Ste. Marie, is the title of an organization effected by representative business men of the two "Soos," with a capital stock of one and a half million dollars, for the development of mineral lands tributary to the locality. The company, we are told, already has options on several properties, including a tract of 1,400 acres, and a copper proposition, known as Brady's location, on the Potacacene river, Algoma, upon which work has already been started.

—The total assessed value of property in Ottawa for 1902 is \$27,420,740. Of this amount \$20,620,910 is rated to public school supporters and \$6,765,600 to separate schools. The total value of exempted property in Ottawa is \$16,337,150. Of this amount the Government owns or leases

SASH — WEIGHTS



Manufactured for the Canadian Market under the New Tariff, by

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

Established 65 years. Telegrams: "SUBLIME, Liverpool.

DESSICATED COCOANUT.

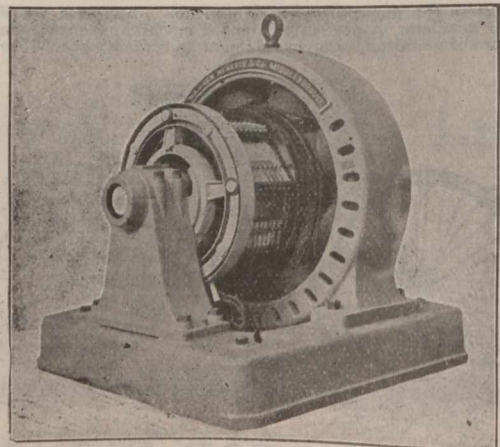
• • •

JOHN SHORE & SON,
39 Old Hall St.,

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

LIVERPOOL, Eng.

TELEGRAMS:—"Install,"Middlesbrough.



300 KILOWATT DYNAMO.

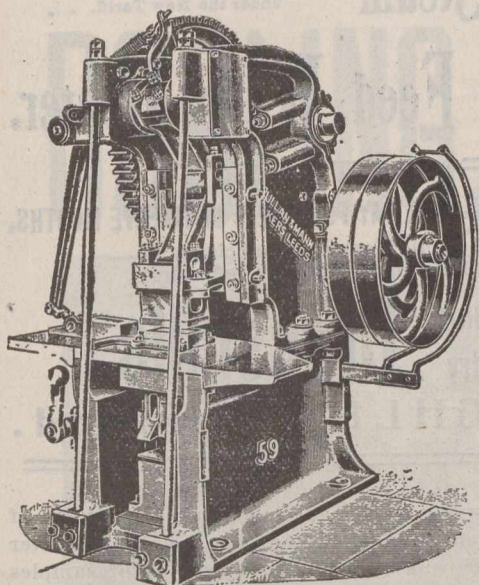
Warren, Beattie & Co., ELECTRIC POWER ENGINEERS.

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

... MIDDLESBROUGH, England.

Telegraphic Address:—"CAMBRIAN, LEEDS."

Telephone No. 1282.



PULLAN & MANN'S

Steam-Power Brick and Tile Press,

**IMPROVED NEW
HEAVY DESIGN.**

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

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

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

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

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

PULLAN & MANN, Cambrian Works, **LEEDS, ENG.**
11land Road,

Patent Improved Brick, Tile, and Sanitary Pipe Machinery, Etc.

\$10,134,850. The amount of corporation property exempted is \$2,588,125; of church property exempted, \$1,087,300. The value of property leased by the Government, on which the owners pay no tax, is \$185,050.

—The Amherst, N.S., Board of Trade, at its recent annual meeting, elected Harvey Pipes, manager for Dunlap Bros., as president; D. W. Robb, of the Robb Engineering Co., vice-president, and W. A. Filmore, secretary. The board passed a resolution strongly opposing the suggestion to transfer to the Canadian Pacific Railway, and appointed a committee to work on the location of the proposed Agricultural College in Amherst, and also to secure water communication for the town.

—At the recent annual meeting of the merchant tailors' section of the Retail Merchants' Association, says a Toronto letter, a report was made that a large number of petitions have been received from merchant tailors of Ontario protesting against the increase in the duty on woollen goods from 35 to 50 per cent. proposed by the manufacturers. A resolution will be prepared and sent to the Minister of Customs as soon as the remaining outside places have sent in their reports.

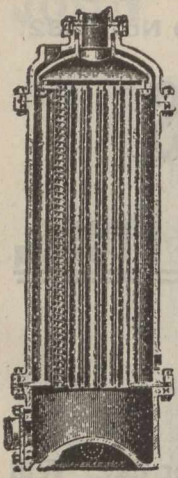
—A map compiled and drawn by M. L. A. De Rosiers of the principal transportation routes from the head of the great Lakes via Montreal, New York, etc., to Liverpool, has been issued by the Dominion Department of Public Works. The railroad and water routes are shown in contrasting colors, and tables of distances of both are given as well as a table of Canadian and United States canals, giving complete information regarding them. The proposed French river route from Fort William to Liverpool and all of the existing routes are clearly marked.

—The Crown Lands agent at Rat Portage, Ont., has made a report to the Ontario Crown Lands Department of a trip

he made from the Canadian Pacific Railway, near Rat Portage, to Lac Seul, toward Hudson Bay. He reports finding a large section of splendid agricultural land beginning not more than 15 miles from the Canadian Pacific Railroad. Besides this he found a valuable tract of Norwegian pine, which, after such an examination as he could give, he estimates contains 10,000,000 feet of timber. He also reports a good deal of timber on the north side of the height of land, on the slope toward Hudson Bay.

—A project is stated to be under way for a new line of ore carriers to ply between Lake Superior and Point Edward and Sarnia in connection with the Grand Trunk Railway. The Hamilton Steel & Iron Company, is, we are informed, interested in the enterprise, and if the present negotiations are successful the new fleet will carry ore for the company's smelting furnaces at Hamilton. Horace Wilcox, of the company, and Mr. MacKay of the Hamilton Smelting Company, together with Grand Trunk officials, have been inspecting the wharf facilities at Sarnia and its northern suburb, and have expressed themselves as satisfied with the facilities that could be provided.

—A Windsor, Ont., letter reports that Mayor Girardot of Sandwich, has succeeded in getting assurances from Detroit and Canadian capitalists that they will invest four hundred thousand dollars in a beet sugar factory in Sandwich. "On the strength of these promises," said the Mayor, "the industry will be running next year, and 200 hands will be employed. It will be the first sugar factory in the Dominion. I have called a meeting of the farmers to discuss the matter. That they will decide to raise the sugar beets is a foregone conclusion. Canada uses four hundred and fifty million pounds of sugar in a year, and every ounce of it is imported. There is no reason why Canadian soil should not produce the sweet article, and it will. A by-law to grant exemption from taxation for ten years will be passed without any difficulty."



The "Airedale" Exhaust Steam

Special prices to Canadians
under the New Tariff.

Green's Patent.

Pressure Feed Water Heater.

WITH SPIRAL DEFLECTORS.

THE MOST EFFICIENT HEATER ON THE MARKET.

WILL PAY FOR ITSELF IN TWELVE MONTHS.

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

JOHN BARRETT, Eastburn Crosshills, Foundry

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

KEIGHLEY, England.

Eastern Townships, Que., Notes.—The insolvent stock of A. B. Waldron, of East Clifton, was purchased by G. H. Kerr & Co., of Megantic, at 56¼ cents, amounting to \$1,208, book debts to H. H. Langlois, for \$1,326, being 33¾ cents in the dollar.—The second semi-annual meeting of the Shefford County Medical Association was held in Waterloo on January 23rd. A new tariff making a slight increase in the prices generally charged was adopted. Americans from Berlin, N.H., will commence in April to build a ground wood mill at the Two Mills Falls, Weedon, using one of the water powers owned by N. P. Tanguay. The town will grant them a bonus of \$10,000 and exemption from taxes for 25 years.—A mutual fire insurance company has been formed for the parish of Ste. Anne de Stukely and begins business the first of February. Mr. T. Jubin is the secretary-treasurer.

—The promoters of the proposed London-Brighton electric railway have deposited the amount of \$1,775,000, the security required by the British Parliament, of whom sanction will have to be obtained for the carrying out of the enterprise. The total cost of construction has been fixed at nearly \$39,000,000, apportioned as follows: Over the three lines—Railway No. 1, \$3,037,700; railway No. 2, \$11,200,880; railway No. 3, \$22,453,225. It is proposed to expend \$1,650,000 on stations alone; accommodation, bridges and viaducts, \$5,621,605; while no less a sum than \$12,043,600 is to be spent on tunnels. George Dawson, formerly managing director of the British electrical engineering and contracting firm of Robert W. Blackwell & Company, Limited, and well-known in electrical engineering circles on this side, has been appointed one of the two chief consulting experts by the projectors of the railway.

—Complaints having been made regarding the quality of the coal oil sold in certain parts of Canada, the Minister of Inland Revenue has ordered the collection of samples for chemical analysis at Ottawa, in addition to the flash and specific gravity tests which are applied at the refinery. The grievance as to the quality of coal oil, says an Ottawa letter, seems to be especially strong in the west, accordingly samples of coal will be collected there and submitted to test. The necessary apparatus for this purpose has been forwarded to Dr. Barrett, of Winnipeg, Chief Inspector, and he has been enjoined to see that the tests are carefully carried out. Even where the samples pass the customary tests they will still have to undergo analysis if circumstances warrant ground for suspicion concerning them. The names and addresses of the manufacturer and retailer will also be noted, as well as whether the oil is an imported or domestic product.

—The Bay of Quinte Railway Company is applying for an act to ratify an agreement between it and the Rathbun Company respecting the issue of preferred and common stock to authorize an increase in the former's capital stock, and to enlarge the time for the completion of the company's lines, with power to extend from Deseronto by a bridge across the Bay of Quinte to the shores of the County of Prince Edward, thence southerly to a point on Lake Ontario, via Picton, or with a connecting line to that place. Application will be made for an act permitting the substitution of the name International Railway Company for the Buffalo Railway Company wherever the latter appears in the act respecting the Buffalo Railway Company.—The Auerbach Consolidated Medical Company of Montreal will seek incorporation with an intended capital stock of \$10,-

BROWETT LINDLEY & CO., LTD.

Patricroft, Manchester England.

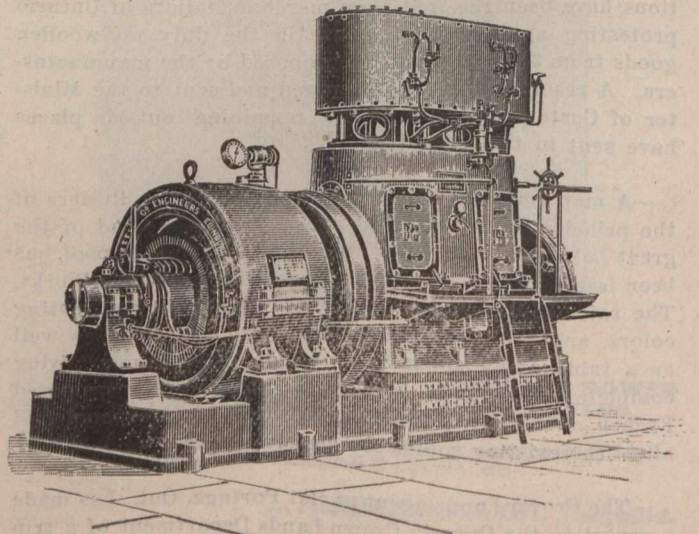
Manufacturers of High-Speed,
Enclosed Type,

STEAM ENGINES.

For Driving Dynamos Direct.

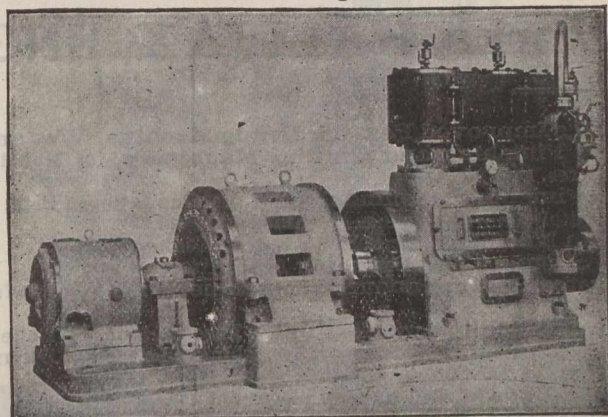
We are pleased to quote for complete STEAM DYNAMOS, completely and thoroughly tested on full load at our works and delivered F. O. B. English Port.

SOUND & RELIABLE BRITISH MANUFACTURE.



Telegrams: "MAGNETO," Bradford.

ROSLING, APPLEBY & FYNN,



LIMITED.

TRAFALGAR WORKS.

Bradford,
Yorkshire, England.

000.—Incorporation is wanted for the Sleeper Engine Company of Montreal, with a capital stock of \$250,000.

—A recent letter from Quebec states that a special meeting of the Quebec Harbor Commissioners was held when Captain Wolvin, president and general manager of the Great Lakes and St. Lawrence Transportation Company, was present. The latter informed the commissioners that his company accepted the conditions embodied in the resolutions adopted by the commission during his previous visit, and that the company was now ready to do business. All the documents connected with the contract were signed, and Capt. Wolvin left for Buffalo to complete the organization. Mr. G. T. Smith, who has been named assistant general manager, remains in Quebec to organize this end of the business and will open an office. In the meantime the Transportation Company is negotiating with the Great Northern Railway for use of their elevator, and if arrangements cannot be made they will bring on a floating elevator. The Transportation Company has arranged to place twenty lake vessels in the service immediately on opening of navigation, and these vessels will enter the inner Louise basin to discharge cargo into the elevator. The company has one year to complete all arrangements including the construction of the elevator and their shipments will be made between this port and Liverpool, Manchester and London.

—An agreement, binding the various trans-Atlantic lines plying between the U.S. and England to adopt a uniform minimum freight rate on grain and provisions, was, according to a New York dispatch, signed some days ago, by the representatives of the various steamship lines interested. The freight rates are increased on all grain and provisions leaving the U.S. Atlantic ports for Liverpool and London. The minimum rate on grain is fixed at one and a halfpenny per bushel of sixty pounds, and the minimum rate on provisions at ten shillings per ton of 2,240 pounds, increasing the grain rate 33 1-3 per cent. and the provision rate 10 per cent. No maximum rate has been fixed. The lines included in the agreement are: The White Star Line, the Cunard Line, the Atlantic Transport, the International Navigation, the Leyland Line, the Dominion Line, the Philadelphia Line, the Lamport and Holt Line, the Wilson Line, the Chesapeake and Ohio Line, the Virginia Line. At the office of the Chesapeake and Ohio Steamship Co. it was said that lines to Manchester, Hull, and other English ports were also in the agreement. It was learned that the passenger rates under discussion contemplate a minimum of \$60 for winter travel. The same lines that have signed the freight agreement will, it is understood, sign the pas-

senger agreement. Negotiations over the passenger rate are in progress with the Continental lines also, which have been left out of the freight agreement.

—Respecting Canadian lumber on the English markets, Mr. J. W. Todd, a Liverpool lumber dealer, reports that the English market is recovering from the very great depression it underwent early in last year. Canadian stock is being received in greater favor, and great weight is being placed on the demand for all classes of lumber in South Africa. Great resentment, however, is still felt at the new standard of culling enforced in Ottawa pine circles. Recently a resolution was adopted by the Timber Trades Federation of the United Kingdom, in part as follows: "That members decline to contract for new supplies of pine unless shippers undertake to revert to the old system of bracking their goods"—bracking is the English term for culling. This resolution was largely signed by dealers in Liverpool, Cardiff, Bristol, Newport, Nottingham, Reading, Huddersfield and other English seaport and manufacturing towns where Canadian timber is in great demand. According to Mr. Todd, the new culling regulations which were supposed to establish a uniformity not entertained before, have created even a wider diversity of quality. Much of the large pine timber sent from Ottawa is used in engineering works in England, and hence must be free from knots or other imperfections, which are allowed by the new system of culling. In the English buyers' opinion the Ottawa mill-owners must accede to the wishes of the British customer or lose the market.

—Messrs. J. J. Kehoe, J. A. McPhail, R. J. Gibson, M. D., G. H. Teare, and J. Morin, of Sault Ste. Marie, Ont., and W. H. Laird, of New York, have been incorporated as the Sault Gray Copper Company, Limited, with a share capital of \$400,000, and head office at Sault Ste. Marie.—Messrs. C. M. Swift, Clarence Carpenter, W. C. McMillan, Cameron Currie, and S. M. Miller, of Detroit, have been incorporated as the Lake Superior Lumber Company, Ltd., with a share capital of \$50,000.—Messrs. A. L. Davis, R. R. Hall, F. J. Jameson, J. W. Gray, M.D., and F. J. Bell, Peterborough, have been incorporated as the Peterborough Peat Company, Limited, with a share capital of \$150,000.—Messrs. Joseph Kilgour and S. G. Wharin, Mrs. Isabella Nelson and Miss Helen G. Nelson, all of Toronto, and Henry W. Darling, of Schenectady, N.Y., have been incorporated as H. W. Nelson & Company, Limited, with a share capital of \$50,000.—Other companies incorporated are: W. R. Johnston and Company, Limited, clothiers, Toronto, share capital, \$750,000; the Eastman Machine Company, Limited, Toronto; the Simister Company, Limited, Ingersoll; A. L.

Telegraphic Address: "ELKANAH, HALIFAX."

National Telephone, No. 183.

Makers of all kinds of DYEING and Finishing Machinery.

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

McCull & Company, Limited, Chatham.—The charter of the Plattsville Milling Company, Limited, has been cancelled.

—A scheme for encouraging thrift by the poor, through the medium of a penny postage system, was submitted to the Postmaster-General at Ottawa recently, by a deputation representing the Associated Charities. The plan suggested is that first established in England by the Postmaster-General in 1880. In reply, Mr. Mulock said that postage stamps could not be used for the purpose suggested. Stamps are sold by postmasters on commission, who pay in many cases but 60 cents for each dollar's worth. If the scheme proposed were followed the commission to postmasters or stamp vendors would not only be greatly increased, but the department would be redeeming for one dollar stamps for which in the first instance it got only 60 cents. He warmly approved of the desire to encourage

the poor to save, and suggested that a special savings bank stamp be issued, handed over to the charitable societies, which would issue them to the poor along the lines proposed, and make the deposits in the postoffice savings banks. He read a letter from Montreal protesting against the Associated Charities scheme on the ground that it would encourage the purloining of stamps, but in this matter as in all others there is to be found a few who feel that no one can be trusted. The suggestion of the Postmaster-General will be considered by the Associated Charities.

—The new steamer Montreal of the Richelieu & Ontario Navigation Company, was launched at the Bertram shipyards, Toronto, this week. The new steamer is 340 feet long, width of hull 43 feet, width over guards, 76 feet 6 inches, moulded depth 15 feet. The machinery consists of a three crank inclined triple expansion engine, the diame-

Established 1838.

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

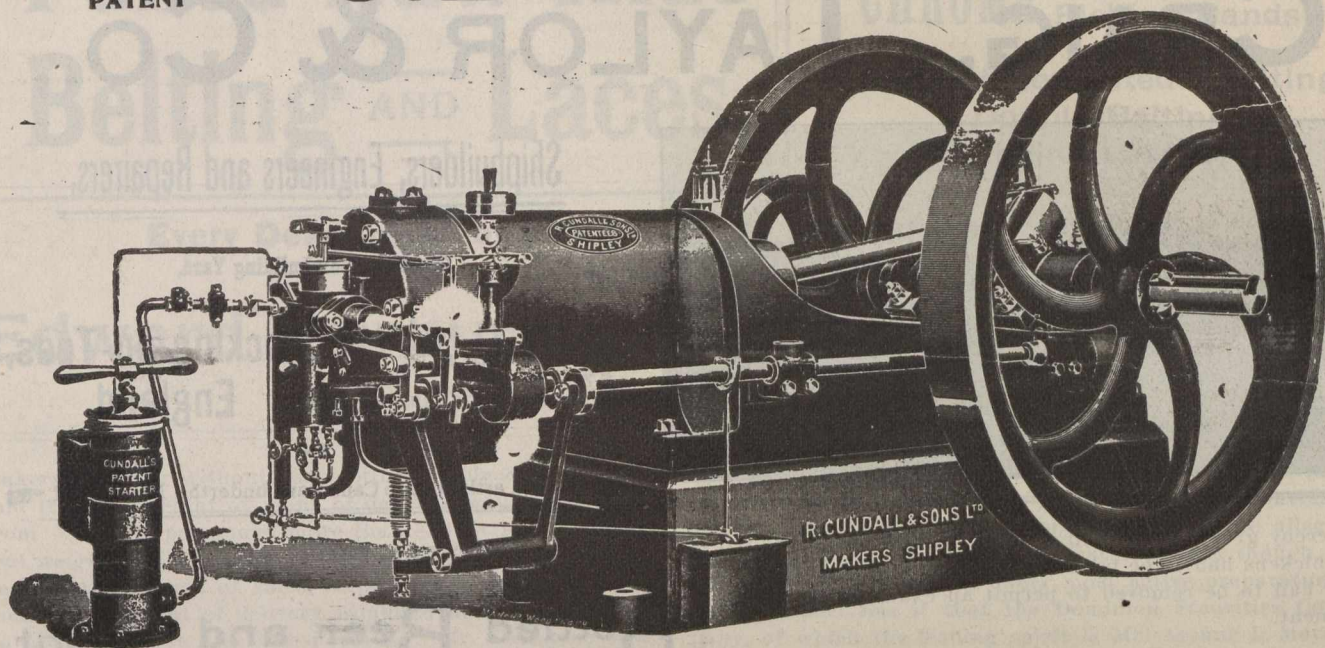
Telegraphic Address,
"LEES, BARDSLEY, ASHTON-UNDER-LYNE," Eng.**Abel Lees & Sons,****ROLLER AND
SHAFTING MAKERS.****Makers of all kinds of FLUTED AND PLAIN BOTTOM AND TOP
ROLLERS for Cotton, Woollen and Silk Machinery.****New Front Lines of Rollers, Steel Hardened, or with Necks and
Squares Hardened, or Ordinary. Spare Top Rollers, Loose****Boss Shells or Spindles Supplied. Centre Shafts—Steel, Case-Hardened or Ordinary. Prices on Application.****Wheatfield Iron Works, BARDSLEY, nr. Ashton-u-Lyne, England**

Contractors to H. M. Government.

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Are the Simplest
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Makers of the Largest Oil Engines in the World.**

R. CUNDALL & SONS, Limited

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

**SHIPLEY,
ENGLAND.**

ter of the cylinders being 32 inch, 53 inch, and 88 inch respectively, with a stroke of 6 feet 6 inches. The high pressure cylinder in the middle and its crosshead works the air pump. The engine is estimated at 3,000 horsepower. The wheels are 25 feet in diameter and have eleven feathering curved steel buckets each. Among those invited to be present were Hon. J. Israel Tarte, Senator Cox, Senator Jones, Mayor Howland, Hon. Jas. R. Stratton, Wm. Wainwright, Lt.-Col. Henshaw, Wm. Hanson, E. B. Garneau, H. Molson, C. F. Gildersleeve, Gilbert Johnston, John Bertram, A. Angstrom, J. Kerr Osborne, Wm. Mackenzie, Donald Mann, J. F. Dolan, General Manager Gildersleeve, and H. Foster Chaffee, representing the R. & O. The Montreal will be the largest inland water passenger steamer in America.

—The shortest route to the Atlantic is being adopted by leading grain shippers despite all that has been said and written by those whose interests cause them to look in another direction. A Chicago dispatch of recent date says: A steamship line from the great lakes to Quebec, to connect with ocean steamers there for Europe, is now assured for the coming season. Work will be commenced at once by the American Shipbuilding Company on the first of the steamers, which will be completed and ready for service by midsummer. The construction of the others will follow as rapidly as berths can be found in the various plants of the company. Pending the building of its own fleet a sufficient number of steamers have been chartered and will be placed on the new line on the opening of navigation next spring. The new line will be operated by the St. Lawrence and Great Lakes Transportation Company, incorporated in West Virginia, of which A. B. Wolvin, of Duluth is president. Its capital stock is \$500,000. Satisfactory arrangements have been made with the port authorities and dock facilities will be ready by the time the steamers reach Quebec on their first voyage. The lake steamers will unload their cargoes directly into ocean ships, and the transfer from ocean to lake vessels on freight coming from Europe for great lake ports will be made with equal facility. There will be no trouble over insurance rates.

By the division of the traffic lake rates will prevail to Quebec, and ocean rates from there to European points. These rates combined are not half what was charged the Counselman boat last season. The steamers for the new line will be 236 feet keel, and 42 feet beam, and will carry about 4,000 tons. When limited to the 14 feet of water in the Canadian canals they will carry a little less than 3,000 tons. They will be equipped with triple expansion engines and Babcock and Wilcox tubular boilers, and will cost ready for service about \$20,000 apiece.

—The export poultry trade is being vigorously pushed along by Government officials. We learn from Ottawa that Mr. F. C. Hare, chief of the poultry branch of the Department of Agriculture, has returned from addressing meetings in the Maritime Provinces on the proper method of dressing and shipping poultry. He reported that great interest appeared to be taken at all the meetings in the export trade. At some places a considerable business is done in raising chickens for summer traffic. At St. Stephen's, N.B., these chickens bring 25 cents per pound. The export trade has advanced, and the farmers seem very anxious to take hold of it. At a conference of farmers in Fredericton a resolution was passed asking the New Brunswick Government to co-operate with the Dominion Department of Agriculture in placing a chicken-fattening station in each county in New Brunswick. This, of course, would be an admirable move. The farmers are well satisfied with the decision of the department to pay all freight charges over one cent per pound in the case of chickens which are sent to Montreal for shipment next summer in the absence of cold-storage accommodation on steamships going from St. John and Halifax. Mr. Hare is arranging to spend as much time as possible in the Maritime Provinces next fall, and the department has consented to allow him to instruct as many private individuals as time will permit. A new style of box for shipping poultry to the English market has just been adopted. This permits of twelve chickens being packed in one layer, and of the box being more easily opened and examined. The chickens are also packed with their backs up, and their appearance

Telegraphic Address :
"CRAIG TAYLOR, STOCKTON."

Oil & Passenger Ships,
Twin Screws, &c.

CRAIG, TAYLOR & Co.,

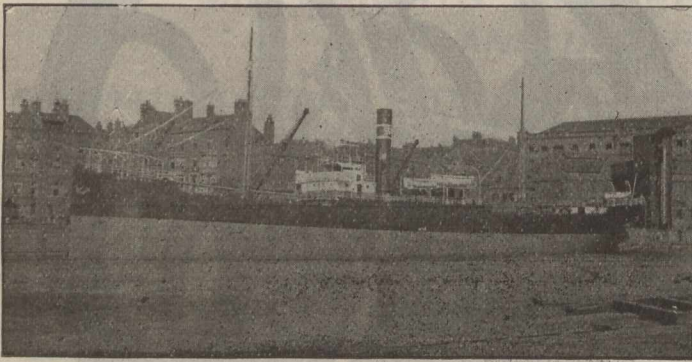
Shipbuilders, Engineers and Repairers,

Thornaby Shipbuilding Yard,

GRAVING DOCK
570 Ft. Long.

Stockton-on-Tees,
England.

Special estimates to Canadians under the New Tariff.



is thereby greatly improved. With the box formerly used the chickens had to be packed in layers of six, and the top layer had to be removed to permit an examination of the shipment.

—The Deputy Minister of Trade and Commerce, Mr. Parmelee, who has been made special commissioner to examine into the question of cheese weights at Montreal, held a session at Brockville, Ont., on the 4th instant. A representative number of men interested in the cheese trade throughout many parts of Ontario were present, and keen interest was taken in the proceedings. Among those examined were J. H. Singleton, president of the Brockville Dairymen's Board of Trade; R. G. Murphy, secretary of the Eastern Ontario Butter and Cheese Association; D. Derbyshire, president Eastern Ontario Butter and Cheese Association; C. J. Gilroy, secretary Cheese Board; M. K. Everetts, Smith's Falls, one of the largest manufacturers in Ontario; C. H. Smith, A. Henderson, J. Dickie, John Webster, R. Kelly, C. E. Earle, L. Patton, G. A. Aylesworth, H. Bissell, Wm. Gardiner, and J. D. Russell. The general impression of the witnesses seemed to be that the appointment of Government weighers would tend to remove the friction at present existing between the salesmen and the Montreal Butter and Cheese Association. They also discussed questions of shipments of cheese in too green a state as affecting the question of weight, and being more apt to bring about shrinkage. The custom of shipment in green boxes was denounced. Some held that the fault for shortage of weight rested with the cheese

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Bottled Beer and Stout FOR EXPORT.



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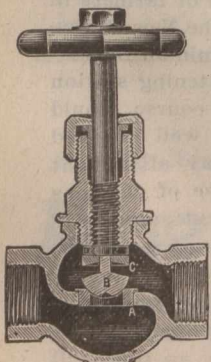
Bass & Co.'s Pale and Light Bitter Ales, and Guinness's Extra Foreign Stout.

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

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

The "SHAW" ..Patent Improved Valve..

FOR STEAM OR WATER



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

The "SHAW" Patent Universal Union Joint

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

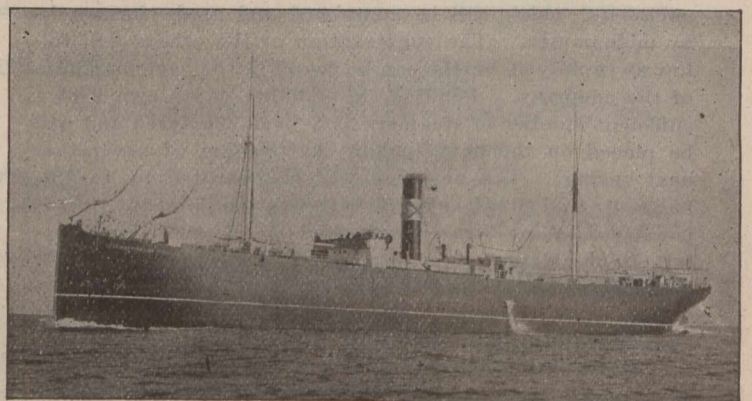
JOSEPH SHAW,
HUDDERSFIELD, ENGLAND.

ALBERT
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Telegrams :
"GOVERNOR," Huddersfield.

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TYNE IRON SHIPBUILDING COMPANY, LIMITED
Steel and Iron Shipbuilders and Repairers.



Willington-Quay-on-Tyne,

ENGLAND.

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.

makers; others, without attempting to place the fault, said that the weight at point of delivery would be worth from $\frac{1}{2}$ c to 1c per pound more than submitting to Montreal weights. The general consensus of opinion seemed to be that the system of sales, inspection, weight and payment at the point of delivery would be more satisfactory to all engaged in the cheese trade. Mr. Parmalee will hold another session at Cowansville, Que., on the 11th instant.

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

The J. C. McLaren Belting Co.

FACTORY: —

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LUMP, FINE and GROUND.

EVERITT & CO.,

40 Chapel Street, Liverpool, England.

—Considerable mystery seems to hover around the proposed new bridge across the St. Lawrence at Montreal; and its echoes are not at all unlike those of the alleged ghost of the magnificent grain elevators, which though, of course, not yet built, are under most active preparations. A late report has it that the Dominion Securities Company, of which the leading spirit is Mr. Arthur L. Meyer, has undertaken to finance the new bridge between Montreal and Longueuil. For this bridge a charter has been asked and will go before the Dominion Parliament at the coming session. This announcement was made by Mr. H. Regensburger, of New York, counsel for the American syndicate which has acquired the Canada Atlantic, the South Shore and the Quebec Southern, and proposes to span the St. Lawrence River. Several leading New York bankers are to be on the board of the bridge company, but a majority of the incorporators will be Canadians. The plans have, it is stated, been completed for construction and the work will be pushed in a short time after the charter has been obtained. The Canada Atlantic Railway, which has recently been purchased by the same interests that are at the back of the bridge project, will form an important link in a through traffic route between Ottawa, Montreal, and Quebec and New York and Boston. The present arrangement with the Grand Trunk between Montreal and Ottawa will not be disturbed, but the new bridge will connect with the Quebec Southern and the South Shore, and Quebec will be reached on the extension of the South Shore, which is to be built into Quebec from St. Francis next summer. The system of railroads, as well as the others that come to the South Shore, need the facility of a bridge into Montreal, and this is to be provided.

—A London cable states that Mr. Chamberlain has been given further proof of the utility, from his point of view, of commercial Imperialism. In this case the United States is one of the sufferers. Recently the New Zealand Pre-

—* Established * 1825. *

A. G. THOMSON & CO., Limited,

Highland Whisky Distillers,

Blenders and Bottlers to Wholesale Trade only.

PROPRIETORS OF —

GLENCADAM DISTILLERY, Brechin, Forfarshire,

where the Best Scotch Barley only is used.

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

Buyers' own Brands or Labels alone used when desired.

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

AGENTS WANTED IN MONTREAL AND TORONTO.

Established 1828.

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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.

mier protested against army contracts going to the Argentine when the colonies were ready to offer equally good terms. As a result the Government has announced that, while Great Britain has not responded to Canada's preferential tariff with British tariff preferences for colonial products, whenever the colonies can meet the requirements of military and naval contracts in time, price and quality, they will be favored before American, Argentina, and all other foreign competitors. It also appears that heavy orders for canned meats, hay, saddlery, and jam, which formerly would have gone to the United States, now go to Australia and Canada. While the Government is thus moving in the line of Mr. Chamberlain's idea of Im-

perialism, the advocates of State granaries have been trying to persuade Parliament to adopt their programme and store wheat against a possible day of famine in war time. Their plan is to expend \$150,000,000 in the construction of granaries and \$5,000,000 per annum in filling them with wheat. But the Commons will have none of it. Even the president of the Board of Trade ridiculed the scheme and Sir William Harcourt, in a facetious speech, asked why it was not proposed to store all the necessaries in the same way. The notion prevailing is that a big fleet is cheaper and safer than granaries, especially as the American wheat sellers would contrive to elude any blockade of British ports in time of war.

—Canadian trade is certainly showing a healthy growth with the lapse of years. In 1895 the total imports and exports amounted to \$224,420,485, last year they reached \$386,903,157, showing an increase of \$162,482,672. In 1895 total imports were \$100,675,891 last year they aggregated \$177,700,694, a gain of over \$77,000,000. In 1895 the value of our exports was \$106,013,394; last year they had swollen to \$194,509,143, an increase of more than \$88,000,000. Six years ago imports of dutiable merchandise totalled \$64,064,-

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
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Liverpool,

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C. & A. MUSKER, Ltd.,
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.. HYDRAULIC ELECTRIC ..

Cranes, Dock Machinery, Presses, Coal Tips, Lifts, Capstans, Pumps, Steam Motor Wagons.

Cranes, Dynamos, Motors, Lifts, Power & Lighting Plants, Capstans, Pumps, Concrete Flag Making Machinery.

Telegraphic Address: "Muskers, Liverpool."

Telegrams:—"PUMPHREY, Glasgow."

W. & M. PUMPHREY, Bridal & Banquet Sugars.**SUGAR MILLERS,**

Crownpoint Road, - Glasgow, Scotland.

And at Thornaby-on-Tees,
London & Manchester England.Icing
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Caster**SUGARS** as they should be!Special Prices to Canadians
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TASKER, SONS & CO.

Manufacturers of Main Driving Bands

In Leather India-Rubber, Hair and Cotton.

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SHEFFIELD, - - - England
32 ANGEL STREET,

Leather Merchants and Mill Strap Manufacturers.

587, last year they had grown to \$115,574,658, or a betterment of \$51,510,000. Comparing the exports of home produce for the same two periods, there is an increase of \$74,602,945 in favor of 1901. In dutiable merchandise entered for consumption there was an increase of \$47,412,000, and in free goods entered for consumption an increase of \$29,612,702. Taking the exports by classes, the following increases as compared with 1895 are shown: Products of the mine, \$33,316,648; products of the forest, \$6,146,981; animals and their produce, \$6,146,981; agricultural products, \$19,575,549; manufactures, \$8,891,748. Canada's aggregate trade with Australia last year amounted to \$2,475,821, or \$905,495 more than in 1897, and \$162,239 more than in 1900. The imports last year were \$164,416, and the exports \$2,311,405. The aggregate trade of Canada with British Africa was last year \$1,177,660, or \$1,022,554 more than in 1897, but a little below the figures of 1900. The decrease is in exports, which declined \$117,000.

—We are told that Mr. J. T. Long of Collingwood, Ont., had an interview recently with the Minister of Public Works, when the agreement determining the percentage of assistance payable by the Government to the Collingwood Dry-dock Company for the construction of new dry-docks, in accordance with the terms of the Parliamentary appro-

priation, was signed. The Collingwood dry-dock is to be one of the largest and most important on the great lakes, and will accommodate steamers of the heaviest tonnage ever yet floated, on either the Canadian or American side. It will be 530 feet in length, by 78 feet in width, and will be completed by the spring of 1903. To accommodate steamers of the largest class using this dry-dock, Mr. Tarte has had dredging works carried out, which when completed will have converted an almost useless harbor, so far as modern transportation requirements are concerned, into one of uniform depth of over 20 feet of water, clear in all parts. It has already been dredged over a considerable area to that depth. The Collingwood Shipbuilding Company will launch one of the finest passenger and freight steamers on the lakes next spring for the North-West Transportation Company. She will be of 3,200 tons cargo capacity. In April the great 7,000 ton freighter for the "Soo" will also be launched.

—Life Pointers from the Press.—After he has made his exit from the stage and the curtain has been rung down, life insurance will be a continuous performance of prosperity for the insured man's family.—Dead men sign no applications for insurance—life insurance we now refer to.—Do not snub the life agent's endeavors to interest you in

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Imperial Steel Works, SHEFFIELD, ENGLAND.

Manufacturers of

TOOL STEEL

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

Turner's Patent Iron-Fibred Steel.

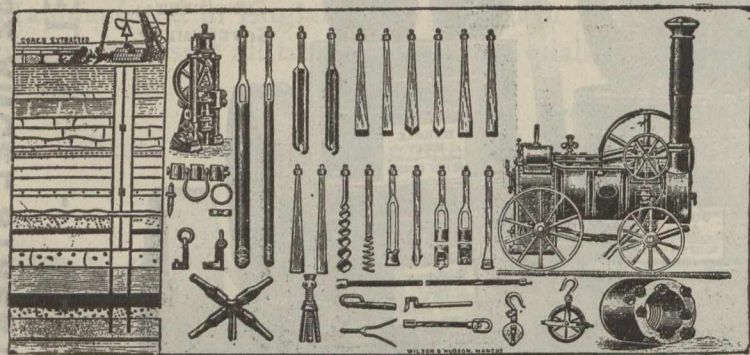
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JOHN H. THOM,

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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.

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insurance. "A conspiracy of silence is usually one of sin." To neglect the protection of your family is the very closest act to sin that can be imagined.—"It wasn't warm, but it was peaceful," says the man who lived in his hen house, because his wife's relatives had pre-empted his own. It may be neither warm nor peaceful in your house if you die uninsured. Don't.—Thomas Carlyle said: "Our grand business undoubtedly is not to see what lies dimly at a distance, but to do what clearly lies at hand." Your opportunity to insure "lies at hand," and if you embrace it the future of your bereft family, which may not lie so far in the distance, will be all the brighter.—Life insurance is a veritable "Santa Claus" for grown-up people. If you don't hang up your stocking, with an application tagged thereto, you will get nothing in it.—"He was one man in a million," the Sweet Thing said, but she jilted him be-

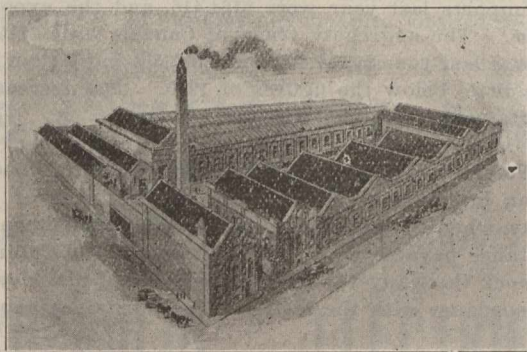
cause she found a man who had his life well insured. She was also a Sensible Thing, and knew another when she saw it.

—A Canadian Pacific Railway survey has been completed by Engineer Macdonald, who has been at work on the route for the double tracking between Winnipeg and Fort William. The proposed line runs from a point on the main line three miles south of East Selkirk to the St. Andrew's Rapid's dam, which is being built to support a railway bridge, and from that point westward to Victoria

Established 1861.

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JUTE BAGS AND BAGGING.

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DUNDEE WORKS,

BOOTLE, - Liverpool, Eng.

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

JAMES NORTH & SONS,

Chamois and Gloves

...AND...

Athletic Goods Manufacturers.

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

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Godley Mills,
and Tower Street Works,

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Tel. Address: "PUMPS," Leeds.

THE LEEDS ENGINEERING & HYDRAULIC Co.,

Manufacturers of

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

ELECTRICALLY DRIVEN PLANT.

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Special prices to Canadians under the new tariff.

Ice-Making Machinery

FOR ALL

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Benjⁿ Goodfellow, Limited,
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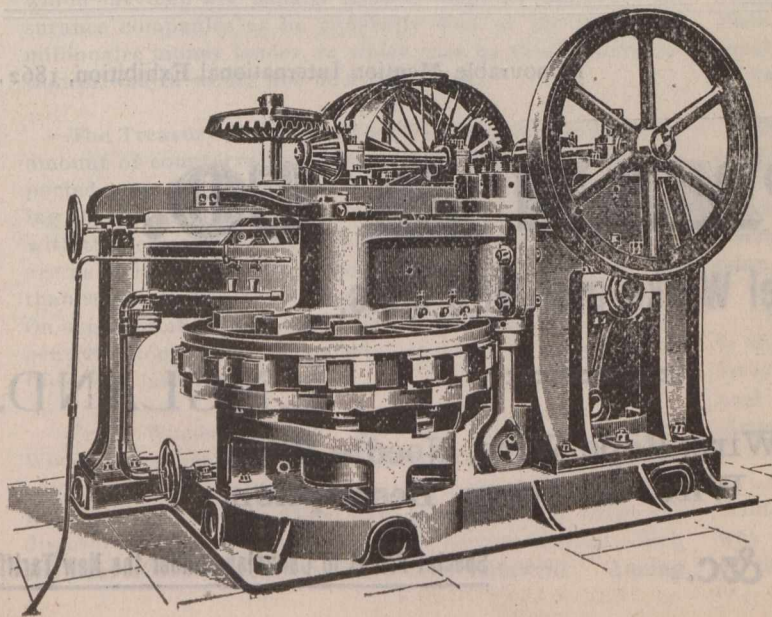
Special estimates to Canadians under the New Tariff.

Park station, where it crosses the West Selkirk line. The line will run through Stonewall, and on to Reaburn, where it joins the main line of the C.P.R. westward. The object of this track is to provide a short route for the through freight traffic, especially wheat, which, when the line is built, will be sent through without touching Winnipeg. This line will accordingly cut off the angle made by running down to Winnipeg, and will save twenty miles of haul besides the expense of double tracking twenty-five miles

to East Selkirk. Another advantage to be gained will be the avoidance of running the wheat trains through Winnipeg yards. The line will, it is claimed, also go largely toward solving the subway problem.

—Census bulletin No. 3, recently issued, contains the population of the provinces of New Brunswick, Nova Scotia, Prince Edward Island, and Quebec, by census districts, as enumerated under date of March 31, 1901, classed with

Telegraphic Address:
"ALEXSON, LEEDS."



**Brick, Tile and General
Clay Working Machi-
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Herbert Alexander & Co.
LIMITED.

Queen's Engineering Works

Water Lane,
LEEDS, Eng.

ESTD 1865

TELEPHONE 999.

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EFFINGHAM MILLS, SHEFFIELD, ENG.



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SPECIAL PAINT FOR THE SURFACE OF MOULDS.

GROUND GANISTER

PATENT NON-CONDUCTING CEMENT FOR STEAM PIPES & BOILERS.

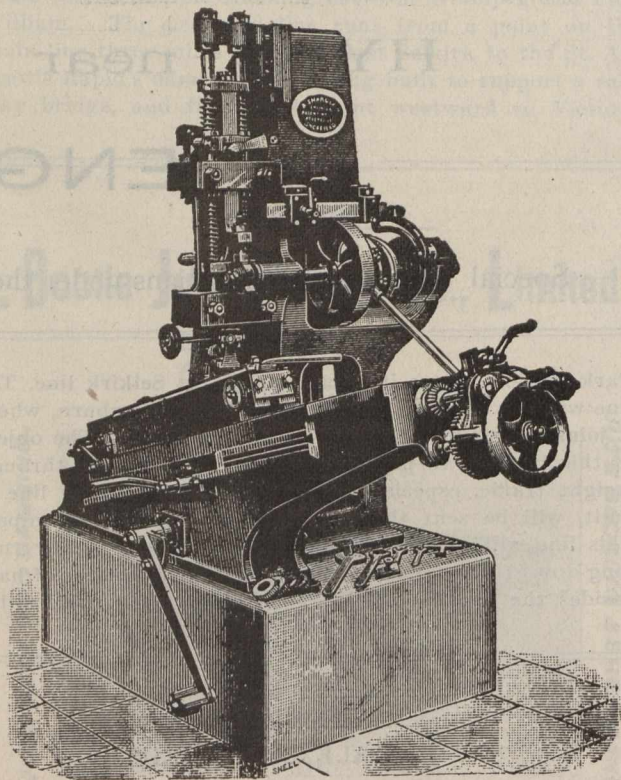
GROUND MORTAR &c.

the census of April 5, 1891. It contains also the population of the several incorporated cities, towns and villages of the four provinces for each of the years, grouped by census districts, together with the total populations of any city, town or village, which, for electoral purposes, lies partly in two or more census districts. In New Brunswick the rural population was 253,835, as against 272,362 in 1891, and the urban population was 77,285 compared with 48,901 in 1901. In Nova Scotia the rural population was 330,191 compared with 373,403 in 1891. The urban population was 129,383, as compared with 76,993 in 1891. In Quebec the population was 1,648,898, as against 1,488,535 in 1891. The rural population was 992,667, as against 988,820 in 1891, and the urban population 656,231 compared with 499,715 in 1891.

—Mr. Yerkes, the well known street railway magnate, is having considerable difficulty in maturing all his plans for electric railways in London. A late cable reads: "No portion of the Metropolitan Company's property shall be handed over to Mr. Yerkes and his associates as the price of union with the District Railway," was the burden of the directors' statement at a recent meeting of the Metropolitan Railway Company. The anticipated split in favor of handing over the control of the road to Mr. Yerkes did not occur. The Chairman said shareholders representing £1,500,000 stock wanted the company to hand over £13,000,000 of capital to the Yerkes Traction Company with a capital of £1,000,000. "The railways must work friendly," said the chairman, "but the District asked overmuch and gave over little." The Metropolitan calculated that it could supply its own electricity, thus saving £100,000 a year on the Yerkes proposition.

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

NEW TYPE.



Telegrams, "SHIPMAN, SHEFFIELD."

Honourable Mention International Exhibition, 1862.

J. SHIPMAN & CO.

Attercliffe Steel Works and Wire Mills,

SHEFFIELD, ENGLAND.

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

Tool Steel, Mining Steel, &c.

Special Prices to Canadians under the New Tariff.

Telegraphic Address: "UNION," St. Helens.

Established 1837.

Union Plate Glass Company,

LIMITED,

MANUFACTURERS OF

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

WORKS and REGISTERED OFFICES:

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ST. HELENS,

Lancashire, England.

MORE LIGHT! MORE LIGHT!

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

—The Board of Trade banquet, Brantford, Ont., is one of the leading functions of the year. Speakers from Toronto and other cities are usually in attendance. This year Dr. Parkin, and Mr. A. E. Ames, President of the Toronto Board of Trade, as well as Mr. Letchworth, President of the Pratt & Letchworth Steel Works, of Buffalo, were in attendance, and delivered stirring addresses. Brantford is the third exporting city now in the Dominion. Its manufactured goods are found in all parts of the world. The latest announcement is that the Cockshutt Plow Co. intend to double their capacity and their workmen and output. This is one of the leading industries of Brantford, and will mean a considerable impetus to the trade of this city. The Brantford Box Co., the Ham & Nott Co., the Verity Plow Co., the Massey-Harris Co., the Waterous Engine Co. are all doing an immense and increasing business. It is stated that the factory operatives in Brantford now number 5,000. Well, done, Brantford!

—We learn from Toronto that the Mutual Fire Underwriters' Association, of Ontario, representing 28 companies, carrying many millions of risks, formulated more strict conditions than have prevailed in the past at a meeting in that city this week. The most important change was contained in a decision to place in all policies a clause providing that in case of dispute as to payments under it, or as to its terms the case shall be heard before a judge and not by a jury. The apparent reason for this, it was stated, is that the ordinary, every day individual, from whom jurymen are usually chosen, looks at the great insurance companies as he generally does at the individual millionaire money lender, in which case he thinks distribution of wealth would not be a bad thing.

—The Treasury Department at Washington has fixed the amount of countervailing duty to be assessed on sugar imported into the United States from Austria-Hungary during the present year. This action is taken in compliance with the terms of the Act of July 24, 1897. The rates fixed are as follows: On sugar under 99.3 per cent. and not less than 90 per cent. polarization, 2.47 crowns per 100 kilograms. On sugar of at least 99.3 per cent. polarization, 3.55 crowns per 100 kilograms. These rates are slightly in excess of those for last year.

—From Woodstock, Ont., we are informed that the Woodstock shareholders of the defunct Western Loan Company met in that town recently, and decided to go on with the legal proceedings, which have been begun, to make the directors of the company answer for certain actions which the shareholders believe to have been unlawful. Among

the charges made against the directors are that they paid all dividends out of the capital; that they were negligent in their duties as directors; that they allowed the late manager, Barclay Stephens, to appropriate funds and mismanage the affairs of the company; that they allowed improper investments, and that they transferred the company's headquarters from the Northwest to Montreal without legislative authority.

—Winnipeg advices state that the reports for the provincial lands sale last month, show a considerable increase over those of January, 1901. The increase of fifty cents per acre, imposed from New Year's Day, has had no appreciable difference to the healthy activity noted last year. There have been no sensational sales, nearly all the purchases being individual settlers, who have taken, for the most part, quarter and half sections.

—Between June 1 and October 31, 1901, the exports of gold from the Yukon, according to the official reports from the Gold Commissioner, totalled \$16,304,682. This does not represent the entire gold output, since a small part remained in the country to serve as currency. The Director of the United States Mint gives the gold output of the Yukon as \$17,505,400.

—The Canadian Northern Railway has issued a new special tariff, now effective, on grain, flour, oatmeal, millstuffs, flaxseed, oil cake, potatoes, and hay, in carloads to Port Arthur, Ont., and from grain-shipping stations on its lines. The charges per 100 pounds on grain, flour, oatmeal and millstuffs, are reduced two cents all around, and on flaxseed, oil cake, potatoes and hay one cent.

—By the death of Mr. James H. Beatty, which occurred at his residence in Toronto, on the 25th ult., Ontario loses one of her most esteemed business men, and the insurance fraternity an active and capable member. Mr. Beatty was president of the Federal Life Assurance Company, also of the Beatty Steamship Line.

—The Cuba Company, of which Sir William Van Horne is the chief executive officer, has ordered four locomotives from the Rhode Island, U.S., works, which are to be utilized on the railroad system which the company is constructing across Cuba.

—A Wellington, N.Z., cable states that the Premier, R. J. Sedden, announced that the Government of New Zealand was prepared to give preferential treatment, in the shape of rebate duty, to British goods carried on British ships.

THE STANDARD ASSURANCE CO. ESTABLISHED 1825.
OF EDINBURGH.
HEAD OFFICE FOR CANADA, - MONTREAL.

Invested Funds, - - - - -	\$48,400,000
Investments in Canada, - - - - -	14,930,000

[WORLD WIDE POLICIES.]
 Thirteen months for revival of lapsed policies without medical certificate of five years' existence.
 Loans advanced on mortgages and Debentures purchased. Agents wanted.
D. M. McGOUN, Manager.
J. HUTTON BALFOUR, Secretary.

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

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

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

Capital and Accumulated Funds, :-	\$38,355,000
Annual Revenue from Fire Premiums.....	} 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.**



THE Trust & Loan Company of Canada
 (Incorporated A. D. 1845 by Royal Charter.)

Capital Subscribed - - - - -	\$7,500,000.00
Paid Up Capital - - - - -	1,581,666.00
Cash Reserve Fund - - - - -	870,375.00

Negotiate Loans on City Property and improved Farms at low rates and on very desirable terms.
 Address, **THE COMMISSIONER,**
THE TRUST AND LOAN COMPANY OF CANADA,
 26 St. James St., MONTREAL, QUE.

THE CANADIAN Journal of Commerce.
 MONTREAL, FRIDAY, FEBRUARY 7TH, 1902.

THE MUNICIPAL ELECTIONS.
 Although disappointing in some respects, the general result of the municipal elections should be fairly satisfactory to the friends of an improved management of our civic affairs. The outcome of the peculiar incidents connected with the nomination of the Mayoralty candidates and the attempt to replace Mayor Prefontaine's name after it had been withdrawn by his duly authorized agents, is, that unless a legal quibble is entertained—Mr. James Cochrane will be the Mayor of Montreal for the next two years.
 To many good people this is a surprise and a vexation for different reasons. Mr. Cochrane may not be an ideal man for Mayor, but the election shows that he has many

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.

Galedonian... 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.
 R. P. TEMPLETON, Assistant-Manager.
 C. R. G. JOHNSON, Resident Agent, MONTREAL.
 1723 Notre Dame St.

IMPERIAL LIFE ASS'CE CO'Y OF CANADA.
UNEXCELLED SECURITY.

1. CAPITAL—One Million Dollars.
2. GOVERNMENT DEPOSIT.—The Government Deposit of The Imperial Life is Larger than that of any other Canadian Life Insurance Company.
3. RESERVES.—The Imperial Life holds relatively the strongest reserves of any Canadian Life Insurance Company.
4. ASSETS.—For every \$100 of liabilities to Policy-holders The Imperial Life holds \$180 of securely invested assets.

E. S. MILLER, Provincial Manager,
 Office: Bank of Toronto Bldg. Montreal, Que.

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

friends. Those friends who know him best, maintain that he is independent in his character in every respect, and is blessed with an abundant stock of common sense; further, that he is ambitious to make a good record for

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

ONE OF THE OLDEST AND STRONGEST OF FIRE OFFICES.

CANADA BRANCH:

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

T. L. MORRISEY, Manager

himself, and to that end will devote all his energies to the cause of good municipal government. To encourage this belief—which is a laudable object—those friends direct attention to Mr. Cochrane's stand in the Quebec Legislature where he was found in the ranks of the minority refusing all the blandishments and other means which monopolists from this city so openly spread before the members of the Legislature when seeking powers to give them dangerous control over the city of Montreal, and all within a radius of 100 miles of it. Those friends claim that what Mr. Cochrane was, and did then, he will be and do as Mayor, and that as far as he is concerned and can prevent any attempted wrongdoing against the interests of the city there will be honest safeguarding. We hope so and, under all the circumstances, it is not unreasonable to expect that the anticipations of Mr. Cochrane's friends will be realised to the fullest extent.

So far as can be judged at present the new City Council will be a decided improvement on the last one, which was a most decided improvement on the previous ones of late years. What has come to be known and called the Reform element in the City Council succeeded two years ago in gaining control of that body by a small majority, not always perfectly reliable, and by energetic measures have succeeded in a financial way in bringing order out of chaos. In the next and future seasons there is reason to expect well kept streets and a good financial position without any resort to increased taxation for general annual purposes.

There have been some changes in the personnel of the Council. In civic elections, as in other kinds of strife, many good men will fall as well as some that can well be spared. This seems to be inevitable, but whilst we re-

gret the loss of the good and reliable men, other good men in greater numbers—if we can accept their, and their godfathers' promises—have come to the front to replace those who can well be spared in the management of the city's affairs. These new men have not yet been tested, but we have every reason to believe that they will work for the general good.

From the promises that have been made by and on behalf of many of the new aldermen before the election, it is evident the Reform element is in the ascendant, and much is to be expected from it. What the result may be will depend largely on the discretion of the leaders who have led up to the present condition. There can be no doubt that the greatest credit for the restoration of our municipal financial standing to a proper basis is due to those members of the City Council—at the head of whom is Ald. Laporte, whose common sense and zeal in the city's interest seems as earnest as it is unbounded. Alderman Laporte has the natural ability to make a good leader and with his acquired insight and knowledge of municipal affairs is a safe man for all the well-meaning new aldermen to follow in their desire to work for the best interests of the city. When any of his fellow aldermen happen to differ in opinion from him he does not assume a dictatorial mien, and proceed to deliver a moral lecture on the iniquity of holding an opinion different from his own, as some other aldermen will foolishly do, but he reasons with them and generally succeeds in making his views prevail with all but the most obstinate and contumacious of his colleagues.

There will be many questions of the utmost importance that will come to be dealt with by the new Council as affecting the welfare of the citizens, during the next two years; the prospect at the present writing is that they will be dealt with in a spirit of fairness, and result in a manner that will prove beneficial to the city as a whole.

What is termed on the "street" the "Mayor's Mystery"—meaning the hasty departure of Mayor Prefontaine for London on the eve of the civic elections—is still the talk of the town. His many friends—those he left behind him as well as he who was a coadjutor in his efforts in the great financial metropolis—are sorry to hear that the object of the visit was frustrated,—that some \$75,000 is yet in its place and probably doing less good than if put into circulation abroad. It is evident, at all events, that the position of chief magistrate is not worth all that is fancied by some imaginative people—if it is worth anything beyond the mere stipend allowed of late years, to say nothing of the glory that surrounds it. We have yet to see many mayors or aldermen who have benefitted personally by securing a majority of the suffrages of the citizens of Montreal.

FOREIGN TRADE MOVEMENTS OF CANADA, 1897--1901.

It will be of much interest to all Canadians, as well as to our fellow-subjects in Great Britain and in other colonies to have an exhibit of the movements of the foreign trade of this Dominion in the last five years covering a period of trade depression and its revival. The following table is compiled from the Trade and Navigation returns for the year ended June 30th, 1901. The countries selected are those which show an expansion of our foreign trade:

Countries.	Exports to	Imports from
Great Britain, 1897	\$77,227,500	\$29,412,100
" 1898	104,998,800	32,500,900
" 1899	99,091,800	37,060,123
" 1900	107,736,300	44,789,000
" 1901	105,328,900	43,018,104
Increase in 5 years	\$28,101,400	\$13,606,000
United States, 1897	\$49,373,492	\$61,649,000
" 1898	45,705,300	78,705,500
" 1899	45,133,500	93,007,100
" 1900	68,619,000	109,844,300
" 1901	72,382,200	110,485,000
Increase in 5 years	\$23,008,800	\$48,836,000
France, 1897	\$690,700	\$2,601,300
" 1898	1,025,200	3,975,300
" 1899	1,557,700	3,889,200
" 1900	1,374,700	4,368,500
" 1901	1,581,300	5,398,000
Increase in 5 years	\$890,600	\$2,796,700
Germany, 1897	\$1,045,400	\$6,493,300
" 1898	1,837,400	5,584,000
" 1899	2,219,500	7,393,400
" 1900	1,715,900	8,383,400
" 1901	2,141,500	7,021,400
Increase in 5 years	\$1,096,100	\$528,100
Belgium, 1897	\$354,500	\$1,163,600
" 1898	973,900	1,230,100
" 1899	849,400	2,318,700
" 1900	1,197,800	3,223,900
" 1901	2,806,100	3,828,400
Increase in 5 years	\$2,451,600	\$2,664,800
Newfoundland, 1897	\$1,692,800	\$452,000
" 1898	1,630,700	464,300
" 1899	1,808,300	527,000
" 1900	2,144,000	660,600
" 1901	2,260,500	625,500
Increase in 5 years	\$567,700	\$173,500
Australia, 1897	\$1,418,200	\$452,000
" 1898	1,630,700	464,300
" 1899	1,506,100	527,000
" 1900	1,626,400	660,678
" 1901	2,311,400	625,500
Increase in 5 years	\$893,200	\$173,500
South America, 1897	\$1,405,300	\$620,200
" 1898	1,060,400	1,425,600
" 1899	1,456,000	1,175,584
" 1900	1,431,100	992,800
" 1901	1,519,000	1,048,000
Increase in 5 years	\$113,700	\$427,800
Switzerland, 1897	\$222,190	\$222,190
" 1898	349,600	349,600
" 1899	568,700	568,700
" 1900	529,100	529,100
" 1901	602,600	602,600
Increase in 5 years	\$380,500	\$380,500

Grand Totals, 1897	\$137,950,200	\$111,294,000
" 1898	164,152,600	130,698,000
" 1899	158,896,900	154,051,500
" 1900	191,894,700	181,237,900
" 1901	196,487,600	181,237,900
Increase in 5 years	\$58,537,400	\$69,943,900

RECAPITULATION OF INCREASES IN FIVE YEARS, 1897-1901.

Countries.	Increase in exports.	Percentage of inc. per cent.	Increase in imports.	Percentage of inc. per cent.
Great Britain	\$28,101,400	36.4	\$13,606,000	46.2
United States	23,008,400	46.5	48,836,000	79.2
France	890,600	129.0	2,796,700	107.0
Germany	1,096,100	104.8	528,100	8.1
Belgium	2,451,600	709.0	2,664,800	229.0
Newfoundl'd	567,700	33.5	173,500	38.3
Australia	893,200	62.2	173,500	38.3
S. America	113,700	8.0	427,800	68.9
Switzerland	.....	....	380,500	171.0
Grand totals	58,537,400	42.4	69,943,900	62.8

The following shows the amount of duty collected on the imports of goods from several of the above countries in 1897 and 1901, with their respective percentages in those years:

Countries.	Per Duty col- lected in 1897.	Per cent. of duty on imports. per cent.	Per Duty col- lected in 1901.	Per cent. of duty on imports. per cent.
Great Britain	\$6,205,366	21.1	\$7,845,406	18.2
United States	8,147,075	13.2	13,311,749	12.0
France	969,539	37.3	1,794,455	33.2
Germany	1,489,755	23.0	1,811,974	25.8
Belgium	250,770	21.6	1,081,162	28.2
Grand totals	19,891,996	17.9	29,106,980	16.0

The lower average duty on imports from the United States is accounted for by the very large proportion of goods received from the States being such raw materials as are entered free of duty. Thus, last year, out of a total value of imports from America amounting to \$119,306,775, no less than \$56,483,714, or nearly 50 per cent., were free of duty, while of the total imports of \$43,164,297 from Great Britain, only \$11,295,987, or 26 per cent., were free of duty, indeed, out of the total amount of free goods, over 90 per cent. came from the United States. The average duty on American dutiable imports was, 21.19.

HARBOUR MATTERS.

The position into which the best interests of Montreal, in harbour matters is, apparently, aimlessly and hopelessly drifting is becoming painfully obvious to the most superficial observer and Montreal is likely to become an object of derision to its active competitors for the trade it was promised and thought to be secured.

Those in charge of the special interests of this port, and supposed, by a fiction, to speak for them, have, for the last few months at least, apparently abdicated their functions and nothing, so far up to this writing, has been proposed that will give a public elevator service, or a plan for the traffic of the wharves in the future—or, for the sheds and the terms under which the different companies will be allowed to use them.

These are the all important features of the future of the port, and yet after all the long discussions and apparent attempts at the incubation of ideas—nothing is yet known as regards any decision upon any one of them. At the last meeting of the Harbour Board, long after the holidays be it observed, the president said that nothing had been done in any of these matters on account of the holidays and other incidents but that the investigating committee which had been sent on a roving commission of enquiry would report shortly.

That peregrinating commission—if we may call it—was very much in the nature of a farce—as was that sent by the same body to look at the new railroad wharves—near Philadelphia. The same as in all enquiries as regards municipal taxation—the conditions and principles prevailing are not the same in chief centres—and it is always difficult to make a fair and exact comparison, but the average cost to the average citizen will, in some form or other, be the same, for the advantage of having a control over the civic affairs.

However they may be apportioned and levied, the cost of the harbour facilities and their working will be borne by the trade done in the several ports, but in no two ports are the systems of levying these expenses alike. Neither are the systems of working the traffic the same in any two ports. Those different systems and methods are perfectly well known—or should be—without these roving commissions. What is imperatively required here is a system suitable to the unique position the port of Montreal occupies, and that can only be obtained by the authorities sinking their individual interests and preconceived notions and working together for the general interest and so obtain a result that will be for the general advantage.

The retiring president of the Board of Trade called attention in pretty strong language to the anomalous position in which the port is being placed by the contentions and divided interests and opinions prevailing among those who are directing the affairs of the harbour and pleading for united action. The advice, and rebuke, if we may so call it, was adopted by the Board of Trade without any expression of dissent. It did not appear to have had much effect, however, for at the following meeting of the Harbour Board, the old method of nagging at each other, and others, was the prevailing feature of the meeting—the president being unable to give any tone, or lead, as to the future, and pleaded the holidays as a reason for the want of progress.

If this is not humiliating it is certainly not satisfactory to the people of Montreal, nor to those interested in the welfare of the general trade of the country. Whilst these conditions exist here other rival ports are observing no holidays but are active in devising means for abstracting from it what trade Montreal now has and preventing the possibility of any future enlargement of it.

In these days of changing conditions it is quite possible to change the course of trade, and once changed it is not always an easy matter to change it back again, and yet, unaccountable as it may appear, those responsible for the management of this port do not seem to appreciate the danger—at least their actions do not show that they do.

Whilst Montreal is in this inanimate condition, American Atlantic ports are at work to cut off our communications and intercept our trade with the West. Even Canadian interests are at work to build up the trade of Portland, and other American ports, to such an extent that already the St. Lawrence route has suffered and unless

counteracted by some means, that route and more especially Montreal will yet suffer far more in the near future. Even Quebec, which many people have been accustomed to look upon as a kind of Sleepy Hollow, is now very much awake—much more so, indeed, than those who should be interested in building up the trade of Montreal. In Quebec the business men have been keeping no holidays of late, but have set themselves to work with an undivided energy to obtain the grain trade, via the St. Lawrence, hitherto done in Montreal.

The result of this united action on the part of our Quebec friends has so far been a partial success and may be greater in the future. The example they have set is in striking contrast with the divided and contradictory actions in Montreal in these matters. We are not at all envious of the partial success of our Quebec friends. If properly encouraged and directed the trade of the St. Lawrence route should be ample, in a few years from this, to give sufficient business for both Montreal and Quebec. Here we can afford to rejoice in the prosperity of our sister city—that prosperity cannot but be beneficial to Montreal. There can be rivalry without jealousy, and if all the conditions for doing business are on an equality—let the best port win.

In some respects Montreal has advantages that Quebec cannot pretend to have as things are now. Quebec also has its advantages at the fresh start in the race. The Louise Basin and docks, for instance, were constructed with public money, on which no interest has been paid or intended to be paid in the future. In Quebec great expectations are built on the arrangement made with Captain Wolvin by which he is to run a fleet of steamers loaded with grain and other produce to that port. The precise conditions of that arrangement have not been made public, but it is understood that he is given a free site on the cross wall that divides the deep water Louise Basin from the inner basin, on which he is to build an elevator at his own expense. So far as we are aware, that is all that is known by the public as regards the conditions. When negotiating with Montreal, he, Captain Wolvin, asked that the money to build the elevator should be advanced to him as a loan, and that his American built vessels should be given a register to do a Canadian coasting trade, and some other things not admissible. He also declined to consent to allow his elevator to be used by the trade at large, although it was to be built on public land granted free.

It may be that the Quebec Harbour Commissioners were not asked for those objectionable concessions, and it may be the stipulation as regards the free use of the elevator on equal terms by the general trade was not broached. There is a broad principle involved in the last mentioned feature. The proposed site is public property and the elevator should be for public use, and all sections of the trade using it should be placed on an equal footing as regards charges. Otherwise it may be found before long that the preference shown will not tend to promote further trade later on.

There is a vital principle underlying this feature that should not be ignored either here, at Quebec or elsewhere. Any free use of public property granted to individuals for trade purposes should be with the condition that all of the public interested should be treated alike, and on an equal footing. Otherwise, encouragement will be given to the formation of monopolies it may be difficult to get rid of.

Since the foregoing was written there has been another meeting of the Harbour Board without any other

result than proving that there is no prospect at the present time of anything being done in the all-important matters we have pointed out. The new Committee of Management of the Corn Exchange and also the *Chambre de Commerce* have just decided to offer their services to help to remove the deadlock that has paralyzed progress. It remains to be seen if these offers of intervention by friendly parties will have any more success than had the friendly offer of the Dutch Government to intervene in South African matters.

CIVIC DUTY.

The adapted article in recent issues of this Journal, on the teaching of civic duties, has received no little attention from our exchanges. The *San Francisco Bulletin* takes up the subject. How many electors, it asks, are worthy of the right of suffrage, and how many lack that strong sense of civic duty which alone qualifies a man to perform the highest functions of citizenship, which is to vote? The intelligent, good citizen, will at election time, weigh the merits of the candidates and cast his vote regardless of personal likes or dislikes, for the one whom he deems best fitted to hold the office. He will act toward the city as he would toward his own business or a corporation of whose stock he held shares, and will not help to elect men to office whom he would not employ to conduct his own affairs.

"It is safe to say that not one citizen in twenty approaches closely to this ideal. Nearly every man permits friendship or hatred to guide his judgment in civic matters. The ordinary voter supports one candidate because that candidate once did him a favor; and he reckons nothing the fact that the candidate is incompetent for the office which he seeks. He opposes and cries down another candidate for having, in the course of duty, done him some little mischief. He shouts for weak men because they are of his party. He will not vote for a Jew, for an Irishman or for a German, as the case may be. He supports this man because he met him at a picnic, that man because the man gave some money to the church, a third man because they are neighbors.

"A year or two ago, when one of the authorized was about to appoint a certain man to an important office, and objection was made to the appointment, a number of documents, tending to prove the incompetency of the candidate, were presented to him. He examined the documents, but said that he would vote for the candidate.

"If that man were applying for a position in your office would you give it to him, after having seen this evidence, even though you doubted whether the evidence were true?" the man was asked.

"Certainly not," he replied.

"Then, how dare you give him an office of trust and importance in the city government?"

"Oh, there is a great difference between the city's business and my business," replied he.

"This reply states the point of view of many politicians and citizens whose interest in politics is only casual. The trouble is that the majority of the citizens are not 'practical' in their politics. The so-called 'practical politician' is one that never forgets his selfish interests. If all citizens were similarly attentive to their own interests, which depend on the welfare of the city, they would be scrupulous in all the duties of citizenship, and on election day would bear in mind that they are voting for men

who will conduct the business of the voters.

"The city belongs to the voters, and it is stupidity that makes them think of the city government as of a business in whose management and prosperity they were not concerned. The sense of civic duty, the idea that the city belongs to the citizens, should be developed and strengthened. Too often the majority is misled by passion and prejudice. On election day every citizen is a judge and should be as fair, as clear-headed and as upright as a judge."

THE COMMERCIAL TRAVELLER.

When the wave of industrial progress which struck the continent some years ago began to assume shape in the merging of various lines of manufacture and commerce, there was a rumour, which gained wide circulation at the time, to the effect that the days of the commercial traveller were numbered, and that the numbers were very few. It was told that the first result of these huge consolidations was to sell at a lower price; that in order to do this, expenses must be reduced, and that to reduce expenses the commercial travellers would be removed, because, as it was innocently believed, lack of opposition would close their door of usefulness, and business would proceed as usual, minus the heavy item of commercial travellers' expenses. The consolidations have been in effect for some time, at least sufficient of them to warrant a conclusion as to the results of the merging from the point of view of running expenses, yet we find the commercial traveller more in evidence than ever. His day has not departed, nor indeed, does it seem to have reached beyond the morning sun.

If a few manufacturing concerns in the large centres of production decided to withdraw their representatives from the road it resulted only in their being taken on by new firms who were only too anxious to secure the services of trained men who had at their command considerable trade which need but be sought to be secured.

Active minds are not always promoting the wisest ideas. The man who is by nature endowed with the gift of thinking quickly, conceiving from every remark he hears something which he deems worthy of retention as being possibly a base for an idea which he can further and perfect at a leisure moment, and which may aid him in his business, is the more liable to be occasionally wanting in the wisdom of his plans. A sharp hand saw forced to its limit is more apt to cut to either side of a straight line than if it were dull.

Thus the active minds of a few years ago which planned, or advocated the idea of doing away with travelling representatives, have found on slower and more mature consideration, if not by actual experience, that a firm's representatives sell sufficiently more, in addition to what would be sent in by mail, to justify their holding the positions which the usages of trade have formed and continue to uphold.

The U.S. Trunk Line Association has, it is understood, virtually decided upon the establishment of an interchangeable mileage bureau, to have charge of the preparation and accounting of 2,000-mile tickets interchangeable on any road in the association. This action is in response to a petition of more than 20,000 merchants in trunk line territory, submitted to the association through the New York Board of Trade and Transportation. The Board has been actively engaged on this movement for some time past, and although final details have not been

arranged, the outlook seems favourable for the adoption of the interchangeable mileage system. The plan, if put into operation, will, it is expected, prove of great advantage.

The petition reads in part as follows: "We, the undersigned merchants, jobbers, manufacturers and shippers of the State of ———, most respectfully petition your association to issue and place on sale a 2,000-mile mileage book, interchangeably acceptable and to be honored by and on any and all railroads in your territory; said book to allow the purchaser the free carriage of 250 pounds of baggage and to be sold at the uniform rate of two cents per mile net, with a time limit of one year from date of purchase." Accompanying this petition is a letter from the Committee on Railway Transportation of the Board of Trade. Among other things the letter says: "The scheme is not a tentative or novel one. It is a system which has been thoroughly tested by both Central and Western Passenger Associations, and which has proved itself to be practicable and profitable to shippers and railroads alike. A thorough canvass proves that the sentiment is all one way and that merchants and manufacturers have practically pledged themselves to buy the book solicited if it is placed on sale. While some firms have said that they will use 100 or more books, others estimate their probable purchases at from 5 to 50 a year, according to the extent of territory over which their interests extend.

"The shippers have no desire to secure any concession that will work an injury to the roads, recognizing as they do that there is a community of interest between the carrying line and the men who make the freight—the merchant and his commercial traveller; nor do business men recommend any particular form of contract. The two systems which have been so long in vogue in the Western and the Central Passenger Associations, respectively, are widely different, and yet they accomplish the desired results, in that they furnish an interchangeable ticket at a net rate of two cents per mile, and they do it with the risk reduced to a minimum that their transportation will fall into the hands of ticket brokers.

"It is unnecessary to call your attention to the fact that freight earnings are of first commercial importance to the railroads and that the commercial houses who send their agents throughout the country are the creators of freight. Every additional town visited as the result of more liberal concessions on the part of transportation lines becomes a feeder to the associational coffer. Of course, under the Interstate Commerce law special favors cannot be shown to the commercial traveller, but at the same time we cannot get away from the fact that he will be the chief patron of the railroads under any new system that comes into vogue, just as he is the chief patron now. Whatever tends to widen his territory will certainly mean increased earnings for the railroad companies. In our judgment, the commercial traveller would not be the only buyer of an interchangeable book. The general public would soon become familiar with the plan and would buy such transportation liberally. They would travel more when it becomes known that anywhere within a prescribed territory one ticket is perfectly valid. The signatures we lay before you will bear the closest scrutiny, as in each case they were affixed by a member of the signatory firm. They represent what is best in the commercial life of this country and they are of themselves a guarantee that any concession made will be appreciated by the men who make dividends possible

to holders of railway shares. We believe that the reform we urge should be adopted on the ground of public policy; that a two-cent rate would build up the towns and cities of this country, making more business for the merchant and more freight for the railroads."

This recognition of the commercial traveller need have no further explanation in showing the part he plays, not only in his direct line but in keeping locomotive shops running and many thousands of skilled and unskilled men employed.

OCEAN FREIGHT RATES.

A vigorous effort is being engineered upon the part of the trans-Atlantic steamship companies to do away with the existing almost suicidal competition which has brought the shipping business to the most unsatisfactory condition it has experienced for a number of years. The year 1901 has been one of the most unprofitable years in the history of shipping and, as it followed an exceptionally prosperous series, the revulsion was keenly felt. The withdrawal of merchant steamships for use as army transports in the Spanish war was followed by an equal demand from the British Government in the early days of the troubles in South Africa. In 1900 the lowest rate quoted for a full cargo steamer to "Cork for orders" was 2s 10½d, and the advance was steady until in September of that year it reached 4s 10½d. Even in December it never fell below 3s 6d. But when 1901 set in rates began to decline steadily. The British Government no longer needed transports, and by April of last year, the quotation from Atlantic ports to "Cork for orders" had fallen to 2s 4½d. There was a further drop in the early autumn, and in September quotations were lowered to 1s 9d and the year closed with the rate at 2s. Taking the opening quotations for the past four years on the first of January, they compare as follows:

	1899.	1900.	1901.	1902.
Cork for orders	3s 6d	3s 0d	3s 6d	2s 0d
U. K. direct	3s 3d	2s 6d	3s 0d	1s 6d
Liverpool (grain)	3½d	1d	2½d	1d
London do	4¾d	1¼d	4d	1½d
Bremen do	70 pfg	25 pfg	65 pfg	20 pfg

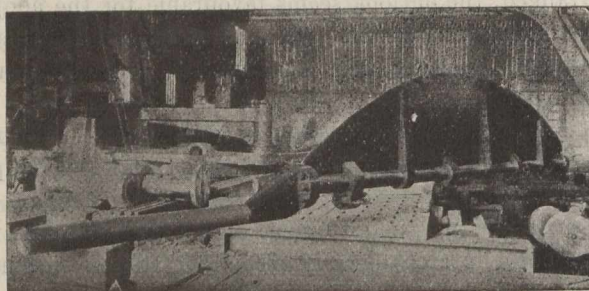
As the year 1902 opened with 2s as the nominal quotation for full cargo steamers to Cork for orders, with no business offering, while it is estimated that 2s 6d is the lowest figure at which modern cargo steamers can make the grain voyage, it can be seen how very blankly the year has opened for the shipping interests.

Naturally, the market for berth rates—by which is meant room on the regular trans-Atlantic liners—reflected the unsatisfactory condition of the "full cargo" rates—since tramp steamers are only available in modern ocean transportation for grain not going by the regular liners. In the middle of last September rates on the White Star Line from New York to Liverpool, were three farthings per bushel on grain, or 12 cents per 480 lbs., and 5s per ton on provisions. And quotations to-day show only a fractional gain over September. To London the record is equally poor. Rates in the third week of the past month were three cents per bushel from New York, or 24 cents per quarter and \$1.12 per ton. What chance is there for the tramp steamer when berth rates are at this figure?

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Referring to the disastrous condition of the ocean freight market a London authority says: "Owners have the remedy of the present condition of affairs in their own hands. They are masters of the situation if they like to hold firm and say, 'we won't run our boats except for a living freight.' In their case there is no fear of a strike of shippers and merchants, for the trade of the world must go on, let freights be what they may. It has often been said that anything approaching a combination amongst ship owners is utterly impossible, that they have always fought amongst themselves, and will ever demonstrate the 'survival of the fittest.' But this has never been proved, as the suggestion of 'an understanding' amongst them has never been submitted. Surely some line of common action could be arrived at to put an end to the 'ruination' that is going on. Again, it is becoming more apparent every day that the liners and tramps will have to work more in accord in the future; the liners charge tramp owners with ruining their trades by coming on their markets with their employment unprovided for, and smashing rates by taking anything obtainable; while tramp owners still more forcibly claim that these cargo liners are at the bottom of half the present deplorable state of things."

There is sound common sense in this. So much that it is believed a "pool" will shortly be in operation to maintain rates and distribute tonnage. But the failure of the corn crop in the United States is more than sufficient to offset any pooling arrangement. The shipments from July to January of this year were but 22,746,000 bushels, as against 113,000,000 bushels for the corresponding period of last year. Here is an absolute loss in freight which no pooling arrangement can obviate. There is simply not the amount of freight to carry. And no possible combination can offset this crucial fact.

THE VOLUME OF NEW SECURITIES.

The official listings of bonds on the New York Stock Exchange during the year just closed showed that the total issues for new capital were \$220,170,700, of those replacing old securities \$681,568,300 and of old issues now listed \$21,270,100. This makes a total of \$923,010,100, or more than twice as much as the listings for

the year 1900 when the figure was \$443,713,000. In the case of stocks issued for new capital last year the record is very far ahead of anything in any previous year of the decade as the issues replacing old securities were expanded by the formation of some stupendous industrial combinations. The issues for new capital reached \$420,537,450, the old issues newly listed were \$76,090,600, and the new securities replacing old ones reached \$1,136,385,665. This makes the total \$1,642,013,715 for the year, as against \$620,935,000 in 1900. And it means that during the year securities to the extent of \$2,565,023,815 have been absorbed by the American market without even jarring the framework of finance.

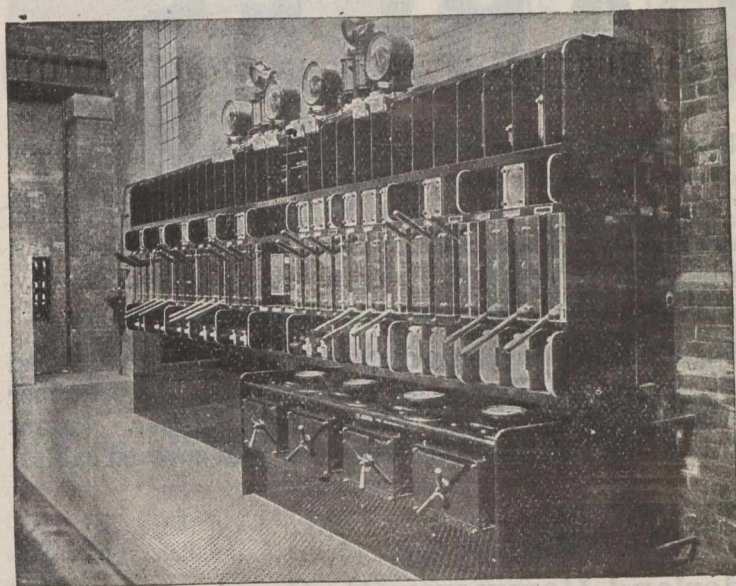
In addition to this huge mass of new stocks and bonds regularly listed on the Exchange the stocks placed in the unlisted department amounted to \$270,095,445, of which \$183,874,227 were common stocks, and \$86,221,218 were preferred. This brings up the total to \$2,835,119,260, or nearly three thousand millions of new capital created in one year. Compared with this the capital created and issued in Britain makes but a slender showing. In rough figures the total is \$778,000,000. But to this we have to add government borrowings to the extent of \$371,200,000, of which \$316,900,000 was borrowed on account of the South African war. Still issues of \$688,100,000 look puny besides the enormous figures of the New York Stock Exchange and it seems as if, for the moment, the financial centre for speculative investment had shifted to this side of the Atlantic. But one point about the new American creations of capital is reassuring. And this is the number of issues by railroads and street railways for the purpose of extending their systems and improving their equipment. The transportation companies are evidently taking advantage of the favourable opportunity to replenish their rolling stock and putting themselves in a position to handle a growing business with greater economy. And the new capital created for this purpose is the legitimate outcome of a period of prosperity.

—A contract has been signed with the Polson Iron Works, Toronto, for the building of what is claimed to be the largest spoon dredge in the world. The dredge will cost \$62,000, and is to be delivered by June 1st next. It will be used in connection with the large works for the Government, at Maisonneuve and Sorel, Que.

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UNITED STATES BANKS.

The annual report of the Comptroller of the Currency of the United States, just issued, is interesting reading. The statistics are for the year ending 31st October last. The 4,221 banks in operation on September 30th last, show loans and discounts of over 3,018 millions dollars; overdrafts, 33 millions; stocks, securities, &c., 448½ millions; real estate, &c., 109 millions; exchanges for clearing house (a modern innovation) over 236½ millions; gold coin, 106¾ millions; legal tenders, 151 millions; total resources, 5,695 1-3 millions. Among the liabilities, individual deposits reach 2,937¾ millions; total liabilities reach over 5,695 1-3 millions.

The authorized capital stock of the 4,279 national banking associations in existence on October 31st, 1901, was \$663,224,195, which is a net increase during the year of \$30,721,800. There was an increase in capital stock of \$21,674,500 by banks organized during the year, including \$120,000 of newly organized associations, which increased their capital stock to that amount subsequent to the date of organization. The associations which were in existence on October 31st, 1900, increased their capital stock during the year to the extent of \$21,815,000. There was a decrease of capital stock of \$8,040,000 by voluntary liquidations. This amount includes the capital stock of banks which have not yet deposited lawful money to retire their circulation and withdraw their bonds, the accounts being still carried on the books of this office. During the year 13 associations with capital stock of \$1,960,000, were placed in charge of receivers, 2 of which, however, with combined capital stock of \$200,000, were proved to be solvent, and permitted to

resume business, leaving the number and capital stock of insolvent banks for the year 11 and \$1,760,000, respectively. There was a further loss of capital stock of \$3,752,700 by the reduction of capital stock of active associations. Of the 39 associations placed in voluntary liquidation 22 were succeeded by or amalgamated with other national banks; 6 were absorbed by State banks or trust companies, and 11 liquidated for the purpose of winding up their affairs.

As hereinbefore set forth, reports of condition were made by national banks to the Comptroller of the Currency on five dates during the report year. The number of reporting associations increased from 3,942 on December 13, 1900, to 4,221 on September 30th, 1901. The aggregate resources of the banks on the latter date reached a higher point than ever before in the history of the national banking system, namely, \$5,695,347,294.96, an increase since September 5th, 1900, of \$647,208,795.67. Each successive report during the year shows an increase in volume of loans and discounts. On December 13, 1900, the amount of assets of this character aggregated \$2,706,534,643.35, and on September 30, 1901, \$3,018,615,918.40, an increase since the report on September 5, 1900, of \$331,856,275.83.

On February 13, 1900, the date of report nearest to March 14 of that year, when the Act was approved authorizing the issue of circulating notes to the par value of bonds deposited therefor, bonds for that purpose were held by the Treasurer of the United States in trust to the amount of \$236,283,870. On December 13, 1900, the amount has increased to \$306,622,180, and on September 0, 1901, to \$329,372,830. Bonds on deposit as security for government deposit increased from \$101,414,-

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\$20 on December 13, 1900, to \$107,107,100 on September 30, 1901. The total investments of national banks in Government bonds on December 13, 1900, amounted to \$418,061,920, and on September 30, 1901, to \$444,376,490.

Specie, including gold and silver certificates in the vaults of the banks on December 13, 1900, amounted to \$360,522,224.06, classified as follows: Gold coin, \$107,561,080.11; gold treasury certificates, including \$850,000 U.S. certificates for legal tenders, \$103,119,910; gold clearing-house certificates, \$91,789,000; silver dollars, \$9,748,534; fractional silver coins, \$7,540,024.95; silver certificates, \$40,763,675. By February 5, 1901, the specie holdings had increased to \$399,956,143.93, the largest amount held at date of any report during the year. On April 24, 1901, the holdings had fallen to \$390,533,692.21, and on July 15, 1901, to \$375,870,543.02. At date of the September 30, 1901, statement specie holdings had increased to \$388,536,871.13, of which \$326,252,341 was in gold and gold certificates, and \$62,284,530 in silver and silver certificates. Legal-tender notes to the greatest amount were held on July 15, 1901, namely, \$164,929,624; on December 13, 1900, the amount of notes was at the minimum during the year, namely, \$141,284,945; on September 30, 1901, the amount held aggregated \$151,018,751.

Referring again to the condition of banks on February 13, 1900, it is shown that the paid-in capital stock of the 3,604 banks on that date aggregated \$613,084,465. By December 13, 1900, with an increase of banks to 3,942, there was an increase of capital to \$632,353,405. At date of last report from the 4,221 banks, the paid-in capital stock is shown to have been \$653,341,880. Com-

pared with Sept. 5, 1900, the paid-in capital stock has increased since that date in the sum of \$25,042,849.28. The surplus and net undivided profits of the associations on September 30, 1901, were \$279,532,858.62 and \$151,029,249.26, respectively, or approximately an amount equal to two-thirds of the paid-in capital stock. Since September 5, 1900, the outstanding circulation of national banks, as shown by the reports of condition has increased in the sum of \$39,914,966, standing on September 30, 1901, at \$323,863,597.50. There is still carried on the books of a few associations converted from State banks circulating notes issued by the latter to the amount of \$51,874.50.

National banks held the greatest amount of individual deposits during the existence of the system on July 15, 1901, namely, \$2,941,837,428.77. Liabilities to depositors on December 13, 1900, aggregated \$2,623,997,521.88, and at date of last report \$2,937,753,233.33, a decrease since July 15, 1901, of \$4,084,195.44, but an increase since September 5, 1900, of \$429,504,675.80.

The obligations of the banks on account of notes and bills re-discounted and bills payable fluctuated between \$10,786,623.16 on February 5, 1900, and \$28,619,122.78 on September 30, 1901. Government deposits with the banks increased during the year from \$87,992,782.73 on December 13, 1900, to \$101,408,774.93 on September 30, 1901.

The net amount of liabilities of national banking associations on September 30, 1901, on which reserve was required, aggregated \$3,661,644,311.74, the reserve required thereon being \$759,743,977.87, and amount held \$1,012,299,102.57, or 27.65 per cent. The composition of the reserve held was as follows: Specie, including coin

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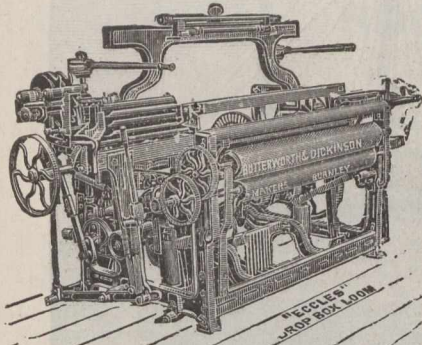
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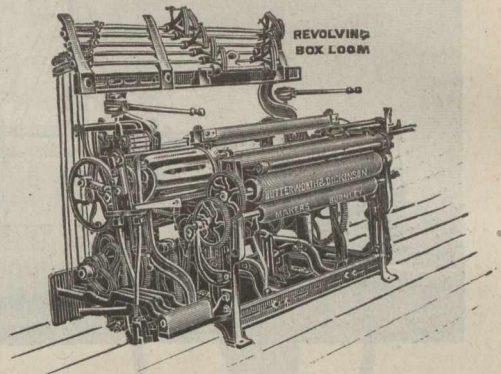
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certificates of every character, \$388,536,871.13; legal tender notes, \$151,018,751; funds on deposit with reserve agents, \$456,638,517.75; 5 per cent. redemption fund, \$16,104,962.69. The national banks located in the central reserve cities of New York, Chicago, and St. Louis, held in bank a reserve of \$285,055,426.37, or 26.16 per cent., on liabilities amounting to \$1,089,501,324.34. Banks in the 29 reserve cities, which are required to maintain a total reserve of 25 per cent., cash credits to the amount of one-half of which may be with central reserve city banks, held a total reserve of \$298,171,510.20 on deposits aggregating \$1,015,471,986.83, the average reserve held being 29.36 per cent. National banking associations located outside of reserve cities are required to maintain a reserve of 15 per cent., two-fifths of which must be retained in bank and the remainder may be deposited with approved reserve agents. Banks of this class held a reserve of \$429,072,166, or 27.56 per cent., on liabilities aggregating \$1,556,671,000.57. The reserve held is represented by \$87,300,318.73 specie; \$1,155,000 United States certificates for gold deposited; \$42,023,565 legal tenders; \$288,151,642.63 deposits with reserve agents, and \$10,441,639.64 redemption fund with the Treasurer of the United States.

In volume the loans and discounts of national banks located in the city of New York amount approximately to one-fifth of the aggregate accommodations made by all national banking associations. During the year ended October 25, 1901, rates for prime commercial paper in the New York market varied but slightly, the minimum 3 to 4 per cent., having been demanded on February 1, and the maximum, 5 to 5½ per cent., during September last. The average rates have fluctuated between 3½ to 4 per cent. and 4½ to 5 per cent. The fluctuations in the rates for call loans have been more marked. The lowest rates prevailed in the latter part of January, namely, 1½ to 2 per cent., and the maximum on June 28 and July 25, namely, 6 to 11 per cent. and 6 to 25 per cent., respectively. On October 4 rates for this class of paper were 3½ to 4 per cent.; on October 11 and 18, 3 to 3½ per cent., and on October 25, 3 to 4 per cent.

Through the courtesy of the manager of the New York Clearing House, statistics have been received rela-

tive to the transactions of the various clearing houses of the United States, of the New York Clearing House and of the Assistant Treasurer of the United States at New York with the latter, during the year ended September 30, 1901.

Exchanges passing through the clearing houses of the United States during the year amounted in the aggregate to \$114,190,226,021, an increase over the previous year of \$29,607,775,940.

The transactions of the New York Clearing House were approximately 70 per cent. of the total, namely, \$77,020,672,494. The balances paid in money amounted to \$3,515,037,741, of which \$3,509,969,000, or 99.6 per cent. was in gold and certificates and the balance, \$5,068,741, legal tenders, etc. The average daily clearings and balances were: \$254,193,639 and \$11,600,785, respectively, the percentage of balances to clearings being 4.56.

The membership of the New York Clearing House for the year numbered 62 (which includes 42 national banks) and represented an aggregate capital of \$81,722,700.

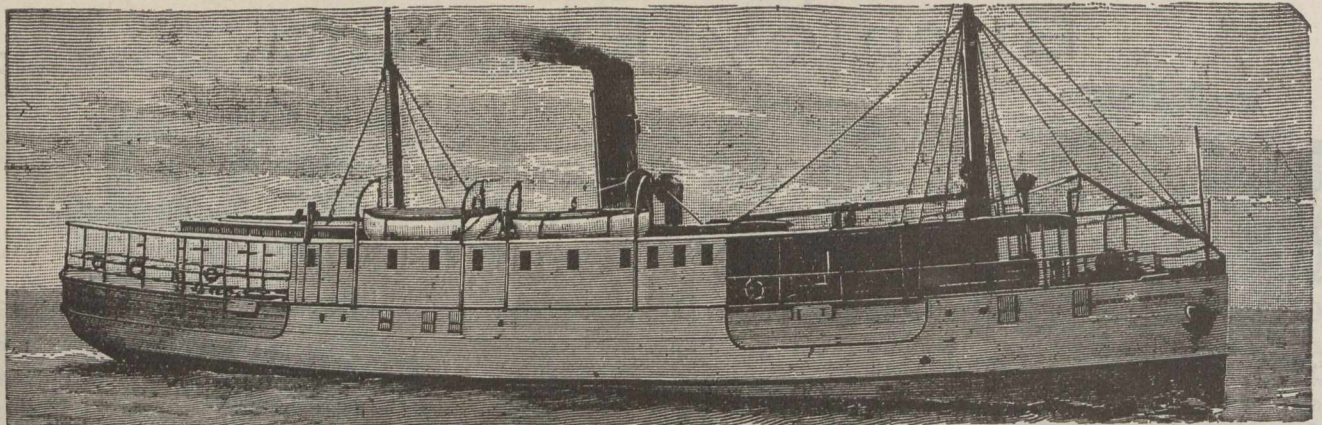
Since the formation of the New York Clearing House in 1854 to the close of the year ended September 30, 1901, the aggregate transactions represented by the clearings amounted to \$1,360,408,679,557, and the aggregate balances paid in money to \$64,885,824,657. The average daily clearings and balances paid in money during this period were: \$92,582,596 and \$4,415,804, respectively, the average percentage of balances to clearings being 4.77.

Exchanges received from the clearing house by the Assistant Treasurer of the United States at New York during the year ended September 30, 1901, amounted to \$451,733,788.49. Balances received from the clearing house aggregated \$4,426,506.72. The exchanges delivered and balances paid to the clearing house were \$222,608,869.20 and \$233,551,426.01, respectively.

—A first dividend of twenty-five cents has been declared by the assignee, to the creditors of the Publishers' Syndicate, Toronto.—The Electric Cab & Motor Company, Toronto, have assigned.

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. Tel-graphic Address: Sternwheel, Lytham.

SHELLAC TO ADVANCE.

The strength which has characterized the shellac market for a number of months past still prevails, with prospects for continuing strong for some months to come, and all indications point to a higher range of prices. Shipments of shellac from Calcutta to all parts of the world during the first half of January, says the Paint, Oil and Drug Reporter, were very light, amounting only to about 3,300 cases, of which only one hundred are for the American market. It is estimated that the consumption of shellac in America during 1901 amounted to about 60,000 cases. The landings of shellac in American ports during the last year aggregated 62,679 cases, leaving only a very small surplus stock in the hands of dealers. It has been predicted that during 1902 there would be an unusual scarcity, and if the demand during the current year is on the same ratio as that of 1901, this forecast will surely be fulfilled. We reprint a table giving the estimated shipments to all ports:

	Cases.
January-May, 1902	40,000
Add November-December, 1901	13,000
Estimated total, November, 1901, to May, 1902 ..	53,000
Against in 1901:—	
January-May, 1901	70,357
November-December, 1900	34,539
Total November, 1900, to May, 1901,	104,896

FURS HIGHER IN LONDON.

The London January fur sales, held by Messrs. C. M. Lampson & Co., took place 21st to 24th January, and the result appears to have taken the trade by surprise. Dealers generally looked for a decline, whereas there was a most sensational advance all along the line. This appears to have upset calculations to a considerable extent, as for some time past there have been complaints of hard times on the other side of the Atlantic leading dealers on this side to anticipate a curtailment in demand. Following is a report of kinds interesting to the Canadian trade: Raccoon, 25 per cent. higher than last March; muskrat, spring, 25 per cent. higher; winter, 10 per cent. higher; fall, 15 per cent. higher than last January; skunk, fresh, 20 per cent. higher than March; old, same as March; civet cat, same as March; mink, 20 per cent. higher than March; martin, same as March; sable, Russian, 30 per cent. higher than March; fox, silver, 15 per cent. higher than March; blue and white, same as March; red, 50 per cent. higher;

grey and cross, 30 per cent. higher, and kit, same as March; beaver, same as last January; bear, same as March; wolf, 40 per cent. higher than March; otter, wild cat and house cat, same as March; lynx, 50 per cent. higher, and badger, 20 per cent. higher than March. The higher prices obtained for furs in London has stimulated the demand for Hudson's Bay stock, which sold there at £25.

ANSWERS TO CORRESPONDENTS.

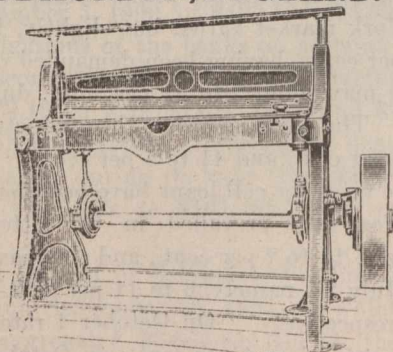
Two Investors, Quebec.—Better ask for the cause of the rise before venturing further. It has been well engineered, but may be overdone. A series of jumps aggregating 75 per cent. since the advent of a clever Oriental from New York in September last, are enough to set one thinking. We cannot say whether the intrinsic value has advanced in proportion.

Member, City.—The contract was taken at a price that would make some experienced people stare. Bargains are in their line,—all the way from 30 to 60 off, economies thrown in.

Lex, Ottawa.—The incident has led to considerable stir and comment. Luckily the relatives and friends of the plucky young man are influential, and it may, in consequence, lead to the remedy of an evil practice of long standing in such examinations.

A. Kinghorn & Co.,

Phoenix Ironworks, Millwood,
TODMORDEN, ENGLAND.



Single Action Power Squaring Shears.

Canadians have 33 1/3 per cent. in their favor by purchasing these
Machines, under the New Canadian Tariff.



“RED HAND”

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

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

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

LOYALTY TO THE TRADE IS OUR MOTTO.

ONTARIO DRY GOODS FAILURE.

Regardless of direct interest wholesale dry goods firms throughout the Dominion will regret the circumstances which placed the old-established and prominent retail firm of Danforth, Roche & Co., at Newmarket, Ont., in financial difficulties. The firm had at one time many stores scattered throughout Ontario, but of late years have been aiming at concentration. A branch at Brantford was recently sold for \$30,000. The liabilities are said to be \$60,000, with assets of some \$70,000. An offer of 50c in the dollar, on time, has been made. Thibaudeau Bros. are mentioned as among the principal creditors.

COST OF BOER WAR.

The War Secretary, Mr. Brodrick, in introducing a supplementary army estimate of £5,000,000 in the House of Commons the other day, said this brought the total cost of the war for the present year up to £61,070,000. On January 1 there were still 237,800 British soldiers in South Africa. The expenses of the war had now been reduced to about £4,500,000 per month. Henry Labouchere declared that somebody ought to be hanged in connection with the remounts and moved the reduction of the vote. Mr. Labouchere's motion was rejected by a vote of 106 to 75, and the supplementary estimates were adopted by a vote of 159 to 56.

RAILROAD MILEAGE.

Recently compiled statistics of the railroads of the world show that fully one-third of the 500,000 odd miles of railway in existence are owned by the several governments of the different countries in which they are located. Government ownership of the railroads in Germany is generally recognized, but the fact that nine-tenths of the mileage is thus owned is appreciated by few. Two-thirds of the railroads of Russia are similarly owned; nearly one-half of those of Austria, nearly all of those of Italy, though operated by leasing companies, and a large proportion of those of India and Australasia are either owned or guaranteed by the governments of the different colonies. A large proportion of the railways of France will become the property of the Government about the middle of the present century. Of the total 500,000 miles, nearly 200,000 are in the United States, 170,000 in Europe, 35,000 in Asia, 28,000 in South America, over 20,000 in Canada, 15,000 in Africa and 15,000 in Australasia.

NEW GERMAN MEAT LAW.

The long delay of the Bundesrath in issuing the regulations administering the Meat Law, says a recent cable from Berlin, appears to be due to the complexities of classifying meat products and the difficulty of drawing provisions which shall be measurably acceptable. Six full drafts of the Meat Law, have been worked out since October, 1900, when the paragraphs excluding sausages and canned goods were decreed in operation. It is understood the Bundesrath intends now to enforce paragraph 21, which forbids the importation of meats preserved with borax, or other chemicals considered injurious to health, and which excludes meat products that are artificially colored. A decree embodying the foregoing is believed to be in course of preparation. The enforcement of the rest of the statute will be reserved for subsequent action.

COAL-LOADING.

Rapid coal-loading devices are now in use in some of the lake ports serving Canada and the States. One of the best is a continuous carrier capable of loading 600 to 900 tons per hour. This is equivalent to records made by machines which dump entire cars of coal at once. Of course, the actual operation of dumping 50 tons by a car-dump machine is the most rapid that could be devised, but with this must be figured the time required to run a car up into position and replace it upon a side track. Coal for the continuous carrier passes from hopper-bottom railroad cars into a receiving hopper beneath. From this it is fed to the carrier through a suitable opening. From the carrier it is delivered into a spout, which reaches into the hold of the vessel. The spout telescopes, and its length can be easily adjusted as the vessel fills up. There is little breakage of the coal, as it drops but a short distance. Not more than 25 horse-power is required to operate the coal loader. Three men are employed with each machine. The handling of coal adds largely to the expenses.

THE OCEAN FREIGHT POOL.

When asked his opinion on the new freight traffic agreement entered into by the British steamship lines, Gustav H. Schwab of the North German Lloyd Company, said: — "The compact of the British lines is, in my judgment, a very proper one, and any proposition which tends to keep up a profitable rate for the carriers should be thoroughly

ESTABLISHED 1848.

M. WOODWARD & SONS, Ltd.,

WHOLESALE & EXPORT

Manufacturing Confectioners,

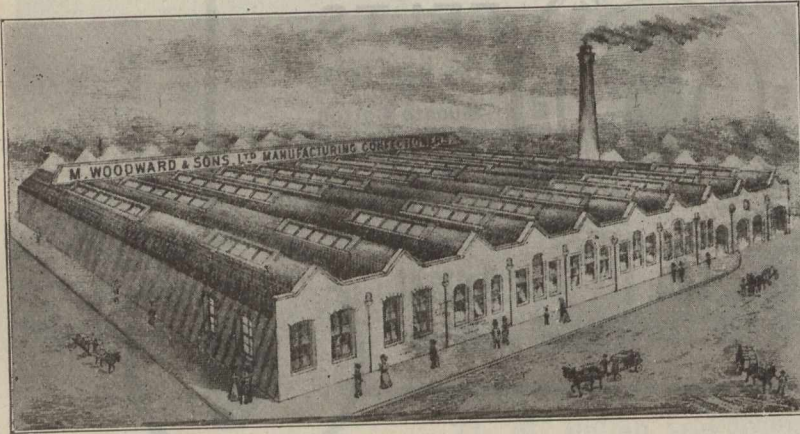
—
 Factory and Office :

Wavertree, - Liverpool, Eng.

—

Telegraphic Address: "TOXTETH, Liverpool."

Telephone 44, Wavertree.



considered." As to its effect on the German lines, he said: "We are a Continental line, you know, and it does not affect us as seriously as some people seem to imagine. It does not foreshadow any passenger deal. The newspapers seem to forget that the companies have been in the habit of making passenger agreements for twenty years past. This is the first freight agreement, however, and it may develop into a closer agreement still, for aught I know."

When asked if the German lines would take any concerted action in freight matters in the future, Mr. Schwab said: "I don't know, but I do not see why we should not go on as we are now. We are willing to indorse the action of the English lines, and will join them in keeping up a living rate."

"John Lee, of the White Star Line, said: "The agreement of the British lines was necessary, and the rates we have made just give us a little profit—just a little. But we are confronted with a condition which, to some extent, makes the agreement useless and that is the scarcity of freight. If we can't get grain to carry at a penny how can any agreement provide the grain at a penny and a half."

A NEW COMPANY ORGANIZED.

A meeting of shareholders for the organization of the Accident & Guarantee Company of Canada was held this week in the office of the Identification and Protection Company, Limited, Montreal. A large number of shareholders were present and the following gentlemen were elected directors of the company: Messrs. Fred. E. Nelson, James Morgan, James Davidson, J. C. Holden, Henry Morton, Fred. Bacon, William McMaster, O. Faucher, J. A. U. Beaudry, and G. I. Goddard, all of the city of Montreal, and V. V. Rogers, of Ottawa; Dr. G. Sterling Ryerson, of Toronto, and H. H. Beck, Winnipeg. At a subsequent meeting of directors, the following officers were elected: Mr. Fred. E. Nelson, president; Mr. James Morgan, vice-president; Mr. James Davidson, second vice-president; and Mr. G. I. Goddard, managing director and secretary-treasurer. With such a list of directors surely success awaits the company.

FIRE LOSSES.

Uxbridge, Ont., Feb. 3.—The Henry block, owned by N. Garland, of Toronto, and occupied by C. S. Botsford, as general store destroyed. Botsford's stock, valued at about

\$12,000, is a total loss, partly covered by insurance. Other losers are: Moore & Smith, agents of the Massey-Harris Company, and T. F. Thomson, farm machinery. The Brownscombe Company, McGuire & Son, and J. A. Richards had their plate glass windows broken. The Bell Telephone Company, Postoffice and M. H. Crosby are also losers by reason of removal.—Parry Sound, Ont., 3.—The residence of Mrs. J. Bryson destroyed. Loss about \$4,000; insured.—Ottawa, Jan 30.—Fire at Aylmer destroyed the residences of Mrs. P. Nash, L. Lesine and R. Dunlap. Latter two were uninsured on effects. Two of the dwellings were owned by Mr. Holt.—Brockville, Ont, 30.—Wringer works of the James Smart Mfg. Co. damaged. Loss about \$2,000; fully insured.

THE TRAVELLING MAN.

"Could I drink of the nectar the gods only can,
 I would fill the glass up to the brim,
 And drink the success of the travelling man
 And the house represented by him.
 And could I but tincture this glorious draught
 With his smiles as I think of him then,
 And the jokes he has told, and the laughs he has laughed
 I would fill up the goblet again;
 I'd drink to the sweetheart who bade him goodbye
 With a tenderness thrilling in this
 Very hour as he thinks of the tear in her eye
 That saddened the sweet of her kiss:
 To her truest of hearts and fairest of hands,
 I would drink with all serious prayers,
 Since the heart she must trust is a traveling man's
 And as warm as the ulster he wears.
 I would drink to the wife with the babe on her knee
 Who awaits him in sunshine or rain,
 And breaks his brief letters tremulously,
 And reads them again and again.
 I would drink to the feeble old mother who sits
 By the warm fireside of her son
 And murmurs and weeps o'er the stockings she knits,
 As she thinks of the wandering one.
 I would drink to the numerous strangers and friends
 Who have met him with smiles and good cheer
 To the welcoming hand the good fellow extends
 To the wayfarer journeying here,
 And at last when he turns from this earthly abode
 And pays the last fare that he can,
 Mine-host of the inn at the end of the road
 Will welcome the travelling man,

Alexander Oldham & Sons,

Johnson Brook Patent Piston Works,
and Engineering Works

DUKINFIELD,
ENGLAND.



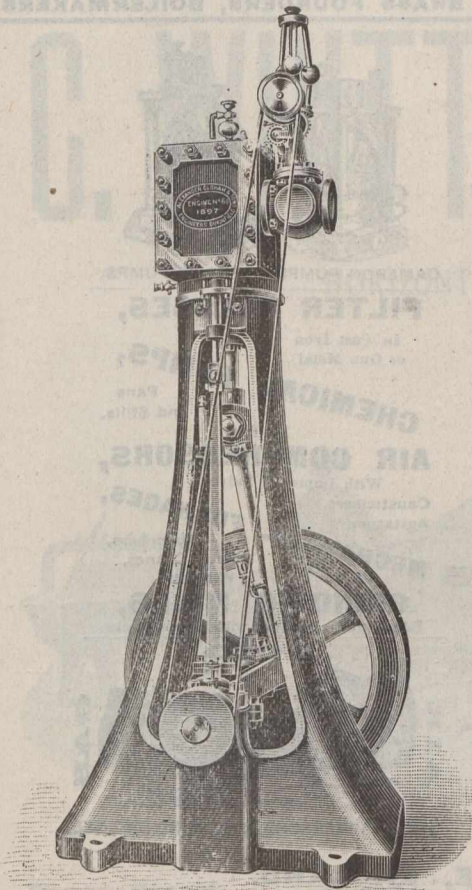
MAKERS OF

Vertical & Horizontal Steam Engines.

From 2 H.P., up to 500 H.P.

Ice Making Machinery, Cylinder Boring Machines, Machines for Planing Valve Faces in Position, Lubricators, Injectors, Pistons, Air Pump Buckets, Fans, Metallic Piston Rod Packings, etc.

Illustrated Price Lists giving approximate weights will be sent on application.



A FIRM LINEN MARKET.

A continuance of the high prices which ruled in the linen market last year, is likely to be observed for another season. Prices in Scotland are advancing, and although business is of small proportions hopes for the future are bright. The advancing prices of flax and yarn, it is reported, are disturbing the minds of manufacturers, who see in the present level of the piece goods market no chance to recoup themselves for the higher prices they have been obliged to pay for their raw material. A great many, rather than pay these prices, have stopped some of their machinery, but the consequent decrease in the demand for yarn has caused no weakness in these prices, as advices received this week report Dundee yarns to have advanced $12\frac{1}{2}$ c per pound.

In the New York market importers are doing a moderate business, but are confident of an increased demand shortly, as they believe that owing to the higher foreign markets buyers will develop more confidence in the market and place orders with more freedom. Some jobbers are receiving goods which were purchased at somewhat lower prices than the present, and early purchasers in the market have been able to avail themselves of the opportunities offered in these goods. Advices have been received of late concerning the necessity of advancing certain prices, and on offers made to the other side frequent cables have been received refusing to consider the offer and naming an advance.

Importers, however, complain that it is very difficult if not impossible to obtain higher prices on the stock carried. Wholesalers generally are reported to have fairly liberal stocks, and although they will be compelled to do more or less reasorting the majority of goods sold this season will represent a lower basis of cost than the present ruling prices abroad. In housekeeping linens a moderate business is in progress, staple damasks and napkins moving fairly well. For novelty dress linens a fair demand is in

evidence and a much larger business is expected. In towels, both huck and finer qualities, business is unsatisfactory, but is expected to pick up shortly, both in the domestic and foreign end.

DAIRY PRODUCE.

A private London circular, date 24th ult., treating of the dairy produce situation, says: Butter.—The demand for Australian and New Zealand butter remains good, but not brisk, and prices have not fallen as some expected. On the contrary, there is, if anything, a hardening tendency, and values look as if they would shortly take an upward turn. Choicest brands make 104s to 106s, with 107s for strictly choicest lots, finest remains at 98s to 102s. The Ormuz left Australia this week, and is due 3rd of March, with the almost infinitesimal quantity of 1,218 boxes of butter on board. The Orizaba sailed last year at this date with 34,144 boxes. It is now possible to estimate with almost absolute accuracy the total quantity of Australian butter which will be imported into the United Kingdom for the season 1901-1902. Up to date the import has been 6,107 tons, against 9,522 tons last year. By the 3rd March, when the season ends there will have been imported 7,660 tons, while last season the import was 15,293 tons. Thus the total import for the current season will reach only half that of last season, the deficiency being 7,633 tons, which is equal to this season's import.

Such a falling off as 50 per cent. is unprecedented, the nearest deficit previously experienced being in the season 1895-96, when it reached 4,579 tons. It is impossible yet to estimate the result of the present season's import of New Zealand butter. Up to date the quantity actually received is 341 tons in excess of last year, while the quantity already shipped to date, from New Zealand, surpasses that of last year by 764 tons. It is therefore possible that the New Zealand season will show an increase of about

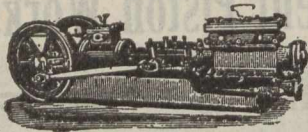
Telegrams: "NEILL, ST. HELENS."

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

Soap Machinery

. . BONE AND TALLOW DIGESTERS . .

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



SOAP, OIL, AND TAR SPECIAL PUMPS.

SOAP PANS, TANKS,
With all Fittings.

HOISTS.
SWIVELS.

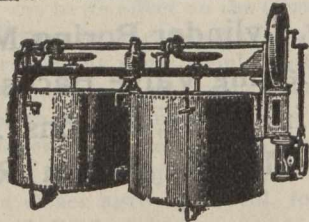
STEEL SOAP FRAMES
The Best
in the Market.

CRUTCHING MACHINES

New Bar-Cutting and
Tabletting
Machines.

MILLING MACHINERY
Hand and
Steam Stamping
Machines with Dies.

GLYCERINE PLANT,
With Fire or Steam Evaporation.

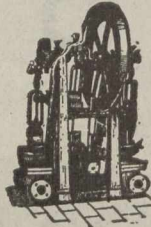


CRUTCHING MACHINES.

SOAP

COMPLETE PLANTS
CHEMICAL

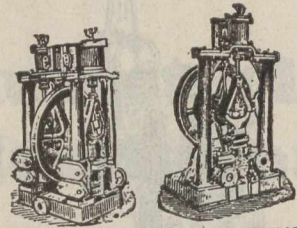
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VERTICAL FRAME PUMPS FOR LIQUORS.

BRASS AND IRON CASTINGS
OF EVERY DESCRIPTION.

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



CAMERON PUMPS. PILLAR PUMPS.

FILTER PRESSES,

In Cast Iron
or Gun Metal.

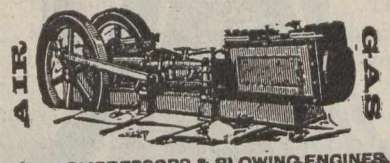
CHEMICAL PUMPS,
Pans
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NOTED
AIR COMPRESSORS,
With Improved Valves.

Causticisers.
Agitators.

MECHANICAL FURNACES,
Absorbers,
Hoists, Cranes,
Winches.

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



AIR COMPRESSORS & BLOWING ENGINES.

ST. HELENS JUNCTION, LANCASHIRE, ENGLAND.

Chemical Plant

PRICES AND PARTICULARS ON APPLICATION.

Special Prices to Canadians under the new Tariff

1,500 tons against the Australian deficiency of 7,633 tons. The Copenhagen Official Quotation has been left unchanged this week. Although there is a firmer market in Denmark, and the basis there is 4s per cwt. higher than it was last week. In the United Kingdom Danish values have advanced 2s per cwt. Cheese.—The demand for Canadian cheese is not so good as last week, but prices remain unchanged. New Zealand continues firm, shipments clearing as they arrive. Present quotations: Choicest, 51s to 52s; finest, 47s to 50s. Corresponding week last year, choicest fetched 54s to 55s and finest 52s to 53s.

—Application for incorporation is made by a company name not yet decided upon, with power to construct a railway from Lake Superior to the Albany River and Hudson Bay. The commencement of the line is to be at Peninsula Harbor, in Thunder Bay district, whence it will run to Long Lake, and thence to Martin's Falls on the Albany River, with a branch from Long Lake to Pembibe Island, the forks of the Kenogami and Albany Rivers, and thence to Hudson Bay at the mouth of the Albany.—The town of Warton, Ont., asks confirmation of a by-law granting a bonus of \$25,000 to the Warton Beet Sugar Manufacturing Company.—Alexandria, Ont., wants power to borrow \$8,500 to provide improvements in the waterworks and electric light system.—The Fort Erie Railway asks an extension of time in which to complete their railway from Fort Erie to Port Colborne, and from Crystal Beach to Ridgeway; also authority to build a line from Fort Erie to the Fort Erie Jockey Club.

—The third annual banquet of the Guelph, Ont., Board

of Trade was held in that city on the 31st ult. There were over 100 guests present, including the majority of the business men of the city. The chair was occupied by Mr. A. F. H. Jones, president, He had on his right Hon. Geo. E. Foster, ex-Minister of Finance for the Dominion, and on his left Mr. A. E. Ames, President of the Toronto Board of Trade. After the menu has been served and the toast of "The King" honored the Chairman gave a short address, in which he recommended the formation of a Provincial Board of Trade composed of one or more members from the various Boards of Trade in the country, to meet annually in Toronto, about the same time as the Legislature met there, and discuss matters of trade. He also made reference to the great prosperity of the country within the past few years.

—We are informed from Brockville, Ont., that the present session of the Leeds and Grenville Counties Council has been largely taken up with a discussion regarding the adoption of the county road system, and while the council is unanimously favorable to the scheme, much difficulty is being experienced working out a plan which will be satisfactory to all ratepayers. The council proposes raising \$75,000 by debentures for this work, which, with the Government grant amounting to \$36,900, will afford a total outlay of \$111,900. The roads designated so far total 264 miles, but it is thought that the figure mentioned will not make standard stone roads. Brockville will be asked to contribute \$5,000 towards buying two toll roads in this vicinity.

—A special cable despatch from London, says: Mr. Chamberlain has appointed Monday, February 17, for the reception at the Colonial Office of a Welsh deputation regard-

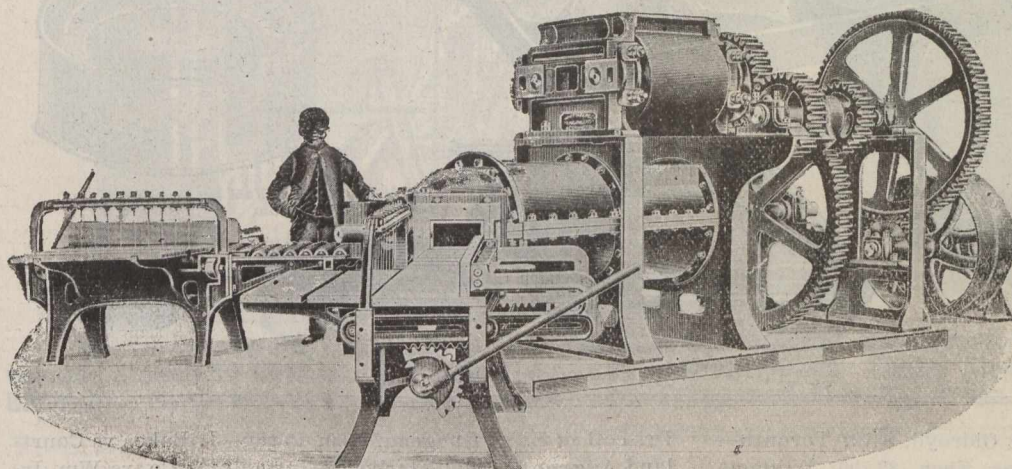
..Clay-working Machinery..

Manufactured by

C. WHITTAKER & CO., LTD.

HORIZONTAL PLASTIC BRICKMAKING MACHINE.

Double Delivery Machine.



Main Points :

Strength.
Durability.
Economy of Power.
Efficiency.

*Special Terms to
Canadians Under
the New Tariff*

Dowry Street
Iron Works,

ACCRINGTON Lancashire, England.

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

ing the provision of transport for the removal of the Welsh settlers in Patagonia to Canada. The deputation is the result of the reports on the Welsh settlement in Patagonia which have just been made by Messrs. W. L. Griffiths and Rees, who were sent by Hon. Clifford Sifton to investigate the possibility of transferring this Welsh colony to Canada, and by the Hon. Mr. Scott, a British diplomat, who accompanied the Canadian officials at Mr. Chamberlain's request.

—Our Oshawa correspondent reports: F. Brathwaite, hardware merchant, has sold his business to Bradley & Hallet. The purchasers are young men, formerly school-teachers, without much business experience, but as they are pushing and energetic, they may likely succeed. F. J. Gillespie, grocer, has sold his stock to Mr. F. L. Fowke, general merchant. The blacksmithing business, carried on by Mr. Bambridge, for so many years, has been sold by him to Mr. Mounce. It is reported that our malleable iron shop, together with those at Brantford, Walkerville and Smith's Falls, have amalgamated

—Mr. A. F. Duclos was to have sailed this week by the Oceanic, via New York, for a business and purchasing trip of staples and novelties to the great centres of Great Britain and Ireland and the Continent, for the firm of McIntyre, Son & Co., the well known wholesale dry goods merchants of this city. The effects of the snow drifts to the South, prevented his leaving for a few days and being accompanied by the head of the firm as far as New York.

—Our correspondent at Newmarket, Ont., writes: The firm of Davidson Bros., grocers, of this town, have made an assignment for benefit of creditors to W. C. Widdifield. The assets amount nominally to about \$1,200, and the debts to about \$2,300, of which about \$200 are preferred. No offer has been made, and the stock is to be offered for sale.

—Mr. T. R. Merritt, of St. Catharines, Ont., has been chosen president of the Imperial Bank, at Toronto, in succession to the late H. S. Howland, and Mr. D. R. Wilkie, the general manager, adds to that office the duties of vice-president.

—According to a despatch the committee of the Tramways Company, Cardiff, Wales, has excluded the German tenders for supplying generators for the new electric system, although they were the lowest of any submitted. The committee is considering only English and American offers.

—The action brought by the Trusts and Guarantee Co. of Toronto against the insolvent Abbott-Mitchell Iron and Steel Co., of Belleville, and the Bank of Montreal, to have the claim of the bank against the steel company's estate set aside, has been dismissed with costs.

LEGAL RECORD

The following is a record of transactions and cases in our Canadian courts of law, comprising Writs Issued and Judgments Rendered for sums of \$300 and upwards (Montreal, from \$175 and upwards), and Chattel Mortgages and Bills of Sale (for sums of \$550 and upwards), as taken from the public records. It will be understood that the actions or items do not necessarily affect the credit and soundness of the persons or concerns named, as they may have been paid or otherwise settled, and that good defence may exist in case of writs, etc.

WRITS ISSUED—ONTARIO.

Barton Tp.—E. Vansickle vs H. McNally, \$520; Belleville—Susan E. Wood vs J. Zulfelt, \$5,000 damages; Cornwall—W. R. Brock & Co. vs I. E. Tallon & Co., \$396; Cumberland—C. Goodeve vs N. A. A. and Edith Foubert, \$1,580; Hensall—Dominion Bank vs Thos. Welsh, \$418; Lucan—C. B. Armstrong vs S. A. and S. Doupe, \$406; Midland—J. Brophy vs Jas. Playfair et al. \$20,000 damages; Norwich Tp.—W. Atwood vs E. Allum, \$394; Pickering Tp.—H. T. Mitchell vs A. J. A. Coates et al, \$3,913; Sault Ste. Marie—

WALKER & HOLROYD,

GENERAL STAMPERS, PIERCERS,
AND SHEET METAL WORKERS.

PIONEER WORKS, THORNBURY, BRADFORD Yorksh re, Eng.



Soo Lumber Co. vs Van Natter & Oldroyd, \$372; Toronto—Dyment-Baker Lumber Co. vs Jas. Eben, \$2,700; Williams E. Tp.—Grace McKinnon vs Neil Cameron, \$697; Windsor—T. H. Cook vs J. S. Nesbitt, \$697; Winnipeg—Midland Nav. Co. vs Dominion Elevator Co., Ltd., \$5,990; York Tp.—A. Royce et al vs D. R. Boucher et al, \$1,350;—The King vs C. C. Baines et al, trustees, \$103,500;—The King vs J. M. Harris et al, trustees, \$97,600; Dundas—F. Marcy vs E. J. Inksetter, \$310; Galbraith Tp.—Waterous Engine Works Co. vs J. S. McKay, \$1,486; Hastings—J. Bakes vs W. J. Plant et al, \$1,000; Mara Tp.—V. E. Berry vs M. and Kate Timlin, \$2,000 damages; Ottawa—C. E. Graham vs Kathe. W. F. Garland et al, \$522; D. J.

Driscoll vs F. D. Gougeon, \$560; Percy—J. Bakes vs Courtland Aggett, \$1,000; Peterboro—J. Scully & Co. vs Wm. Irwin, et al, \$2,000; Roxborough Tp.—Julia Rudolph vs J. T. Gagnon, \$439; Seaforth—T. McKenzie vs J. P. McLaren, \$7,341; Sebringville—J. J. Merner vs E. Merner, \$1,122; Toronto—V. A. L. Greenfield vs A. Baker, \$609; Frankel Bros. vs Nathan and Kate Brenner, \$4,990; E. J. Kronsberger vs Canada Cycle and Motor Co., Ltd., \$5,000 damages; H. S. Scheyer & Co. vs W. W. Grills, \$311; Burford—D. A. Ross vs Alex. Bailey, \$2,000 damages; Toronto—Stevens Mfg. Co. vs Bates, Robinson & Co., \$571; Warren Elec. Specialty Co. vs Irving Elec. Specialty Co., \$379; E. A. Theakston vs J. V. Moore, \$2,000 damages; W. E.

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.

JOHN STONES,

Shiffnall Mill,

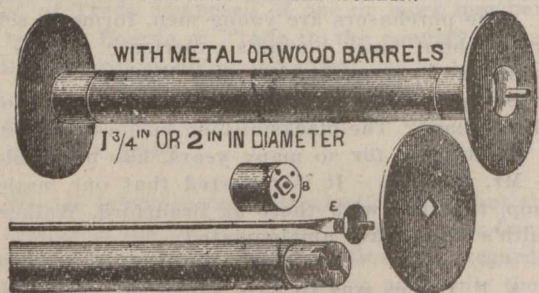
BOLTON, Eng.

JOHN KAY,

Machinist and Mill Furnisher,

Crown Works, Walker St., - **ROCHDALE, Eng**

PATENT CONDENSER BOBBIN.



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

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

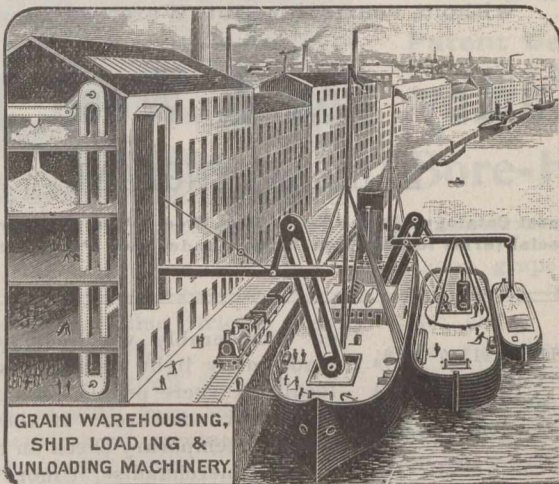
Also handles a Big Line of Goods, slightly damaged in process. These are valuable to Departmental Stores, under the New Canadian Tariff.

Contractors to H. M. GOVERNMENT.

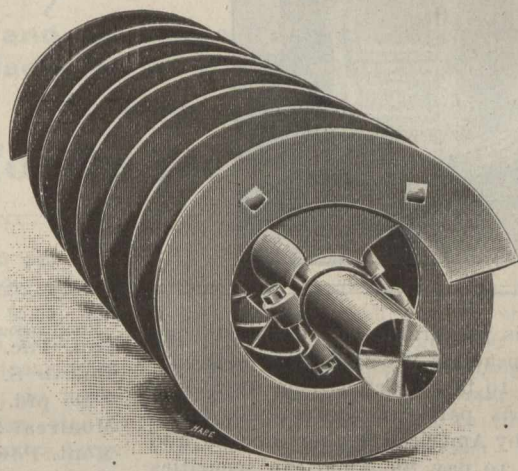
Telegrams: "CONVEYOR, ACCRINGTON."

CONVEYOR and ELEVATOR CO.

LOWER BRIDGE WORKS,
ACCRINGTON, Lancashire, Eng.



GRAIN WAREHOUSING,
SHIP LOADING &
UNLOADING MACHINERY.



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

Caldwell & Co. vs E. A. Wallberg, \$632; Uxbridge—Breton & Manning vs J. F. Brownscobefi \$1,138.

WRITS ISSUED—BRITISH COLUMBIA

Nanaimo—Nanaimo Water Works Co., Ltd., \$3,577; Victoria—Upper Yukon Consolidated Co., Ltd., \$898 and \$1,739; John Turnbull, \$1,348.

JUDGMENTS RENDERED—ONTARIO.

Bastard Tp.—W. G. Parish agt J. E. Knapp et al, \$2,302; Charlottenburgh Tp.—G. A. McGillivray et al exrs agt D. H. McLennan, \$595; Nelson Tp.—E. B. Freeman et al agt Jacob Peart, \$334; Ottawa—Banque Nationale agt C. L. & D. Meyer, \$303; Arthur Tp.—J. Abell Engine Wks. Co agt Archd. McIntyre, \$667; Kingsville—J. Abell Engine Works Co. agt Geo. Butler, \$2,869; Leamington—J. Abell Engine Works Co. agt D. H. Butler, \$910; Sturgeon Falls—J. B. Larkin agt W. J. Mulligan et al, \$327; Toronto—Can. Gen. Elec. Co. agt Can. Brass & Elec. Co., Ltd., \$424; Farmers' L. & S. Co. agt E. S. Cox, \$1,039; M. Hicks agt S. J. Haight, \$353; E. Gegg agt Mary C. Thompson, \$2,309; Wel-

lington—J. Abell Engine Works Co agt Archd. Chatterton, \$1,492; Galt—J. M. Irwin agt C. A. McGivern, \$361; Maryborough Tp.—Anderson & Scott agt Wm. Sanders et al, \$664; Ottawa—E. Miles agt J. Wright et al, \$874; Palmerston—Bank of Hamilton agt R. A. Shea, \$378; Paris—D. McPherson agt J. Anderson, \$473; Toronto—R. Darling & Co. agt Boulter & Stewart, \$474;—Angeline Lake, admrx, agt A. M. Chisholm, et al, \$1,251.

JUDGMENTS RENDERED—QUEBEC.

Montreal—D. A. Lafortune agt J. A. Dube, \$199; G. Johnson esq agt Lachine Rapids H. & L. Co., \$1,500; Kingsley—F. H. Foster agt Wm. Bradford, \$750; Montreal—J. Meloche agt A. I. Clement, \$452; Stukely—W. I. Sample agt A. Cyr, \$324; Westmount—W. R. Brock & Co. agt Moule & Morison, \$617; Montreal—J. T. Williams agt J. Cunningham et al, \$300; J. Chevalier agt S. Faille, \$910; G. J. Browning agt Thos. Lilley, \$333; H. Tucker agt J. E. Rendell, \$363; Westmount—A. McKinn agt G. M. Webster, \$511.

FINANCIAL.

Montreal, Thursday Ev'g,
6th Feby., 1902.

It is significant of the very favorable condition of the money market that a further reduction in the Bank rate this week is considered probable. Another feature is the advance in Consols to 94 $\frac{3}{8}$ and "Kaffirs" in London are steadily rising. These shares in South African gold mining enterprises seem likely to advance under prospects of the Boers being no longer able to interfere with either the mines or the transport of ore, or of freight into mining districts. A portion of the Consols sold in New York in April last, issued for a war loan, have been re-sold in London at an advance. It is estimated that \$250,000,000 of Consols are held outside England, which is a novel feature in finance. These will all flow back to England when the

EXTRACT OF INDIGO, REDUCED INDIGO,

J. W. EASTBURN

Royal Chemical Works:

HALIFAX, ENGLAND.

Special prices to Canadians under the new Canadian Tariff.

— Henry Mathieu, tailor, Montreal has assigned. Liabilities, \$2,327.

Shareholder, Toronto.—The drop is doubtless partly due to a credit of some \$800,000 which is not to be found under "Liabilities of Directors and their firms" in the monthly statement to the Government,

El Padre Needles

10 Cents.

VARSAITY,

5 Cents.

The Best

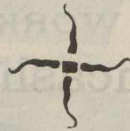
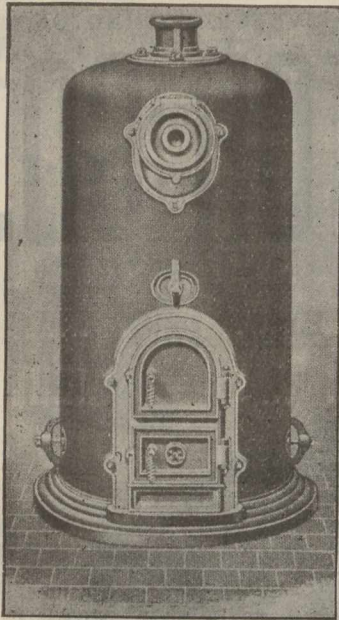
CIGARS

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

Made and Guaranteed by

S. DAVIS & SONS,

MONTREAL, Que.



Telegrams :—"Lumby, Halifax, Eng."

BOILERS

FOR ALL PURPOSES.

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

Lumby, Son & Wood, Ltd.,

HALIFAX, ENGLAND.

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

price is favourable—as it will be soon after peace is proclaimed. Gold continues to be exported from New York to Paris partly to cover obligations made by American bankers abroad, and partly to pay for American securities returned to the United States. The Bulls in Toronto have been "on the rampage," but their stamping around did not affect much change. There is talk going on of an amalgamation of the Toronto Street Railway and Toronto electric companies. The Street Railway made increases of receipts for the last week in January and up to date which have toned up quotations. There is a feeling growing up that the time is opportune for a cautious policy in all financial operations as the signs all point to a period of quiet, if not of recession. On the local 'Change there have been considerable transactions in Montreal Street at 264 to 266 $\frac{3}{4}$. A great volume of Dominion Steel also has changed hands at 30 $\frac{1}{4}$ to 32 $\frac{1}{2}$. Dominion Cotton has been sold freely at 50 $\frac{1}{2}$ to 54; Dominion Coal, 69 to 70; Pacific, 114 $\frac{1}{4}$ to 115; Twin City, 109 $\frac{5}{8}$ to 110; Heat and Power, 92 to 93; Richelieu, 110 to 110 $\frac{3}{4}$. Bank stocks: Sales—Montreal, 256; Merchants, 149; Toronto, 232 $\frac{1}{8}$; Traders', 109; quotations — Ontario, 125; Molsons, 208; Royal, 175; Nova Scotia, 239; Union, 106 $\frac{1}{2}$; Commerce, 150; Hochelaga, 142. Money in New York is easy, on call at 2 $\frac{1}{4}$ per cent., and for trade paper, 4 to 4 $\frac{1}{2}$. Berlin, exchange on London, 20m. 45pfg.; Paris, 25f. 13c. In London, 3 months' paper, is 2 $\frac{1}{2}$ to 2 $\frac{7}{8}$ per cent. Local foreign exchange, 60's, 9 $\frac{1}{4}$ to 9 $\frac{3}{4}$, demand, 9 $\frac{3}{8}$. For call loan money, 5 per cent. is asked, for mercantile discounts the rate is unchanged.

The following is a comparative table of stocks for week ending Feb. 6th, supplied by Chas. Meredith & Co., Stock Brokers, Montreal:

Banks.	Shares.	Average same date
	sold. Highst. Lowest. 1901	
Montreal	32 257 256 258 $\frac{1}{2}$	
Ontario	1 126 126 124	
Molsons	38 209 207 190	
Toronto	90 232 230 237	
Merchants	75 149 145 $\frac{1}{2}$ 155	
Hochelaga	124 145 143 $\frac{1}{2}$ 125	
Quebec	10 111 $\frac{1}{2}$ 111 $\frac{1}{2}$	

Miscellaneous.				
Can. Pac. Ry.	3820	116	113 $\frac{3}{8}$	91 $\frac{3}{4}$
Duluth S. S. A. 725	12 $\frac{1}{2}$	12		5 $\frac{3}{4}$
Do pfd.	500	25	22	15 $\frac{1}{2}$
Montreal St.	1261	267	265	266
Mont. Power x d3541	93		90 $\frac{1}{2}$	.....
Toronto St.	600	117	117	109 $\frac{1}{4}$
Halifax St.	601	109	102	94 $\frac{1}{4}$
Twin City xd	2830	111 $\frac{5}{8}$	109 $\frac{1}{4}$	69 $\frac{3}{8}$
Rich. & Ont.	1135	111 $\frac{1}{2}$	110	109 $\frac{3}{4}$
Com. Cable	185	165	163	165 $\frac{1}{2}$
Montreal Tel.	134	173	173	165 $\frac{1}{2}$
Bell Tel.	33	167	167	171
Mont. Cotton	90	127	125	137
Dom. Cotton	2682	56	46	90
Merchts. Cotton	100	83	82 $\frac{1}{2}$	120
Payne	3500	31	31	47 $\frac{1}{2}$
Virtue	3000	23 $\frac{1}{2}$	23	25
North Star	2000	24	24	84
Dom. Coal, com..9020	70 $\frac{3}{4}$	64	64	37
Do. pref.	41	118	118	109
Can. Rubber Co.. 50	80	80	80	.....
N. W. Land pfd.	70	75	75	.....
Dom. I. & S,com10547	33 $\frac{5}{8}$	23	23	.....
Do. pfd.	3229	90	86 $\frac{1}{2}$	.....
N. Scotia steel, c 510	71	67	67	.....

Bonds.				
Com. Cable., reg.1000	79 $\frac{1}{2}$	79 $\frac{1}{2}$	101 $\frac{3}{4}$	
Can. Col. Cotton.1000	100 $\frac{1}{4}$	100 $\frac{1}{4}$	98 $\frac{1}{2}$	
Dom. I. & S.	832000	84 $\frac{1}{2}$	82 $\frac{1}{2}$	.....

MONTREAL CLEARING HOUSE.

Clearings. Balances.

For week ending		
Feb. 6, 1902	\$15,782,960	\$2,382,007
Corresponding		
week, 1901	12,008,183	1,786,046
" 1900	15,008,027	2,063,073
" 1899	14,994,542	1,889,181

BRAZILIAN EXCHANGE.

For week ending Feb. 4, 1902.

Jan. 29	11 $\frac{5}{8}$ d
30	11 9-16d
31	11 9-16d
Feb. 1	11 $\frac{5}{8}$ d
3	11 11-32d
4	11 11-32d

MONTREAL WHOLESALE MARKETS.

Thursday, Feb. 6, 1902.

The heavy snow storm which reached its height on Monday last interfer-

ed considerably with commerce and made many light larders in outside localities where people are occasionally caught unaware. If the blizzard placed a temporary check on the movement of merchandise, it more than offset the nominal loss by putting work—and plenty of it—in the way of the poorer among the working classes, of which there is always an abundance at this time of year. Values have not underwent much change. Flour is slightly lower on some brands. Coarse feed has declined 50c per ton. Dairy products hold steady. Eggs advanced owing to the extreme weather. Black leather is in good request on local account. Hardware prices are unchanged. California fruits, now sold largely here, are dearer for both dry and green. Dry goods importers say that customers' paper maturing on the 4th was met, with few exceptions, more satisfactorily than for many years.

BUTTER.

The market holds steady in price with a firmness as to quotations which prevents shading, receivers being inclined to the belief that values will be fully maintained for some time. Choicest creamery is quoted at 21 $\frac{1}{2}$ c to 21 $\frac{3}{4}$ c, with extra reaching 22c. Held creamery is worth 19c to 20 $\frac{1}{2}$ c as to quality; Western dairy, 12c to 17c, and rolls, 16c to 17c.

CHEESE.

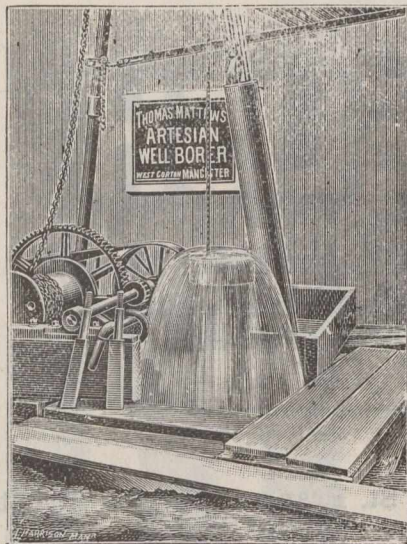
While transactions would indicate a dull market, the feeling is one of firmness as to price and full confidence in the near future. Finest Western is quoted at 10 $\frac{1}{2}$ c to 10 $\frac{3}{4}$ c, and Eastern at 9 $\frac{1}{2}$ c to 10c. Shipments of cheese and butter for the past week from Portland and St. John, N.B., were:

	Cheese.	Butter.
Liverpool	3,528	1,907
London	25,352	.....
Glasgow	1,283	.....
Manchester	1,839	220

Total 32,002 2,127

CHEMICALS, OILS, ETC.

Linseed oil holds steady. Turpentine is firm at the recent heavy advances. Cod liver oil is very firm in sympathy with an advance abroad of 10s to 12s per barrel, and the feeling here is that it must shortly advance. Chemicals



Telegrams, "ARTESIAN," Manchester.

Telephone No. 1826.

THOMAS MATTHEWS,

IMPERIAL IRON WORKS,

PENDLETON, Manchester, Eng.

Artesian Well Borer,

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

Bore-Holes for Oil Water or Minerals.

are moving better, the season so far being decidedly in advance of same period last year. Blue vitriol is slightly lower at $4\frac{3}{4}$ c to $6\frac{3}{4}$ c.

DRUGS.

Borax remains very low in price. Manufacturers of cocaine hyd. have dropped prices 3s per oz. It is rumoured that prices of cr. tartar may be higher in the near future. Glycerine makers are somewhat stiffer in their views. The gradual ebbing away of actual war in South Africa and a corresponding return to mining operations causes much more glycerine to be needed. Prices of gum arabic continue low. Insect powder is likely to be much higher when the season opens. Opium is lower. Quinine has not declined in value, notwithstanding the recent heavy shipments of bark.

EGGS.

Prices of new laid shippers' stock have bowed to the decree of the weather bureau and becoming scarcer have grown correspondingly dear. However, there is a slight reaction within the last day or two which has brought this grade down to 33c to 34c; selected fall stock, 25c to 27c; cold storage, 22c to 23c; Montreal limed, 23c to 24c; Western limed, $21\frac{1}{2}$ c to 23c.

FLOUR AND FEED.

A slightly easier tone is noticeable in flour, and prices of last week have been shaded on some brands. Sales of some round lost have stirred up the market. A steady demand continues for all kinds of feed, with prices slightly lower on bran and shorts. Baled hay is unchanged. We quote: No. 1, \$10 to \$10.50; No. 2, \$9 to \$9.75; clover mixed, \$8 to \$8.50, and clover, \$7 to \$7.50 per ton in car lots.

GREEN FRUITS, ETC.

Lemons are very scarce on this market and while the low prices ruling having not been changed there is every likelihood of an advance. California best brand navel oranges sold this week at New York and Philadelphia at prices considerably over what dealers here are asking, so for that brand at least much higher prices will shortly rule. The local quotations are: — Apples, brls., \$3.50 to \$6.00; California Val. oranges, \$3.25 to \$3.60; do. navel oranges, \$3.25 to \$3.50; Jamaica oranges, \$4.75 brl.; do. in boxes, \$3.25; Florida oranges, \$3.75 per box;

Jamaica grape fruit, \$3.25 per box; lemons, 360s, \$2.50; do. 300s, \$2.50 to \$2.75; chests of lemons, \$5.50; bananas, eight-hands, \$1.00 to \$1.35; No. 1 do., \$1.75 to \$2.25; extras, \$2.50; new figs, mats, $3\frac{1}{2}$ c per lb.; do. boxes, 8c to 12c per lb.; new dates, $4\frac{1}{4}$ c to $4\frac{3}{8}$ c per lb.; nuts, Pecans, extra large, 17c; sweet potatoes, brl., \$5 to \$5.50; small crates of Spanish onions, \$1.10; Cape Cod cranberries, \$9 to \$10.50; Malaga grapes, per keg, \$5.50 to \$7.00; pines, 15c to 25c each; extra pines, 45c do.; Columbia pears, \$3 per box; Cal. celery, 7 to 12 doz. crate, \$4.75; Florida tomatoes, \$5.00 per crate; do. fangerines, \$3.25; California tangerines, \$3.00; Cal. cauliflowers, \$3.25 to \$3.50 per crate; red onions, \$3.50 per brl.; yellow do., \$3.25 per brl. According to advices from the Pacific Coast, the shipments of frost-touched oranges have practically ceased, and fruit now in preparation for shipment is reported to be in good condition. It is figured that with the cleaning up of stock now in transit the markets will steadily improve under offerings of non-frosted fruit and oranges in sound condition. The total receipts of oranges in the New York market for the month of January figure up to 95,930 boxes of Californias, 48,000 boxes of Floridas, 6,000 boxes of Porto Ricos and 900 barrels of Jamaicas. For the same period last year the receipts were 128,872 boxes from California, 46,100 boxes from Florida, 8,000 boxes from Porto Rico and 4,800 barrels from Jamaica. The total Coast shipments for the month are figured up to 1,932 carloads for January, against 2,852 carloads for the same period last year. Commenting on the situation the Fruit World says: "The market has advanced fully 15c per box during the past week, as growers and packers are firm in their views and expect to see a good market 'as soon as the poor stuff gets out of the way.' Some packers are buying freely at prices, but the situation is not excited. The crop is without doubt short and the conditions are such that favor high prices under normal conditions; but the most depressing tendency is poor fruit. A good firm market is looked for, however, on good fruit. Some of the fruit that was thought was free from frost is commencing to deteriorate and will have to be moved soon.

GREEN HIDES.

Receivers here have no news beyond a steady trade with arrivals showing the inferior quality suggestive of the season. Prices remain unchanged. In the New York market tanners were assuming indifference as to the purchase of city slaughter hides, Prices for native steer showed an uncertainty with holders asking $12\frac{1}{4}$ c to $12\frac{1}{2}$ c. The Chicago market was extremely dull. Offerings were fairly free, packers having full stocks on hand to market. Prices quoted were $12\frac{1}{4}$ c to $12\frac{1}{2}$ c for native steers and 11c to $11\frac{1}{4}$ c for heavy native cows. Branded hides were fairly well sold up, and prices were steady at 12c to $12\frac{1}{4}$ c for butt brands, $11\frac{3}{4}$ c to 12c for Colorados, $13\frac{1}{4}$ to $13\frac{1}{2}$ c for heavy Texas and 10c for branded cows.

GROCERIES.

Sugars are steady at the recent advance which placed granulated at 4c. The Brussels Sugar Conference has not yet ended so that nothing tangible is known respecting final decisions. The following letter, dated 3rd instant, has been sent Montreal wholesale grocers, by a local milling and manufacturing company: "We are obliged to withdraw all our Patna rices for two or three weeks, the new crop which we have purchased not being due until next month, and there being a positive dearth of old crop Patna in London and elsewhere we have not been able to augment our stock in the meantime. We, therefore, for the present, withdraw our three brands of Patna—'Imperial Glace,' 'Mandarin,' and 'Polished Patna.' While the Imperial Glace quality would be worth 5c to-day we expect to be able to furnish it upon arrival of new rice in the neighborhood of 4c per lb. for prime quality. Meantime we would point out to our friends the relative cheapness of our Japan rices as per subjoined quotations: 'Crystal Japan,' \$4.40; 'Snow Japan,' \$4.65; 'Japan Ice Drips,' \$5, less $2\frac{1}{2}$ plus rebate as per special contract condition." Canned tomatoes are still being sold at $87\frac{1}{2}$ c by the packers. Canned peas are in short supply, and this, it is expected, will strengthen the price of corn. Valencia raisins are very scarce here. Seeded California raisins have advanced 1c per lb. since last week. Nothing on this market now at less than 10c lb. pkgs., in car lots. Another advance is expected as

YORKSHIRE RELISH

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

Proprietors, GOODALL, BACKHOUSE & CO., LEEDS.

AGENT FOR CANADA

ENGLAND.

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

stocks in first hands were, it was stated, limited to but 50 carloads. Teas are unchanged with low grades firm. Coast advices say: In accordance with intimations given by members of the raisin syndicate now here, the Pacific Coast Seeded Raisin Co., otherwise the syndicate, fixed to-day from the Fresno, Cal., office, the new basis of values on a small allotment of raisins now under its control. The allotment consists of 50 carloads of fancy and 15 carloads of choice seeded and an offering of 4-crown loose and seedless muscatels. The prices named are: Choice 16-ounce, seeded, 7 $\frac{3}{4}$ c; fancy, 8c; choice 12-ounce, 6 $\frac{1}{4}$ c; fancy, 6 $\frac{1}{2}$ c; 4-crown loose, 6 $\frac{1}{4}$ c, and seedless in 50-lb. boxes, 5 $\frac{1}{4}$ c. Prices named are r.o.b. Fresno. This basis is still below the Association opening prices in

1900, they being 8c for choice and 8 $\frac{1}{2}$ c for fancy. It is, however, 1c per lb. higher than the last prices fixed by the packers, that being 6 $\frac{3}{4}$ c for choice and 7c for fancy in 16-ounce cartons. The association opening basis at the commencement of the present season was 5 $\frac{7}{8}$ c for choice and 6 $\frac{1}{4}$ c for fancy in 16-ounce cartons.

HARDWARE AND METALS.

List prices on hardware have not changed within the week. Importers refer to the spring outlook as exceptionally bright; the far West needing much which will be looked on in the light of new business. In metals copper has been attracting most interest, by its weakness during the last few days following the sudden rally of the latter end of the week previous. At the extremely low prices prior to the

above changes, speculators dealt freely and even at the present values see considerable profit. The decision of many, therefore, to realize is largely responsible for the latest reaction. In the London market on Tuesday there was a marked decline, holders being evidently intent upon selling to realize profits. There was a sharp decline of £3 in the morning and a further break in the afternoon, both spot and futures closing £3 10s below the previous nights' figures. The London market was reported by cable as follows: G.M.B. copper, noon, £53 15s; close, £53 5s; G.M.B. copper, 3 months, £53 15s—£53 5s; Sales of G. M. B. spot, 400 tons; Sales of G. M. B. futures, 1,200 tons. The iron and steel situation, while devoid of much actual business has a strong undertone, the ad-

Cable Address: EILLS, Liverpool.

EILLS & COMPANY,

LIVERPOOL, Eng.

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

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

SPECIAL AGENTS FOR

Danish and Irish Butter

IN TINS.

WRITE FOR OUR EXPORT PRICE LIST.

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

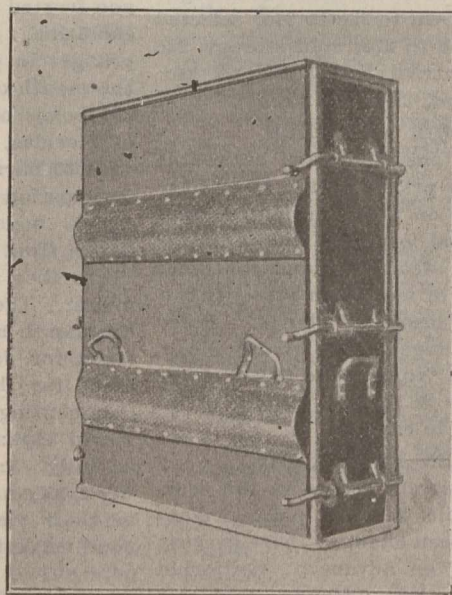
OFFICE:

12 Hanover Street, - LIVERPOOL, Eng.

Special rate to Canadians under the New Preferential Tariff

SOAP FRAMES

PATENTS—No. 5107/93; No. 10362/99.



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

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

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

Soap Trade Supplied under the new Tariff

Bray's "Adjustable Special" Gas Burners

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

UNION-JET BATSWING SLIT-UNION

SIZES.

TOPS

BOTTOMS

Union-Jets } 3 to 8

Batswing } 3 to 8

Slit-Unions } 3 to 8

Union-Jets } 00 to 5

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

vancing season showing necessity for heavy supplies, many of these from entirely new sources.

LEATHER AND SHOES.

Leather dealers report a fair business doing in black stock but sole is showing a disinclination to keep pace, possession, apparently, the balky turn which temporary separation invites. Prices hold steady. Jobbing leather is in light supply. Shoe manufacturers are busy on spring goods for which orders arriving are fully up to the average. Retailers are reported as buying with more freedom, now that lasts have assumed a uniform shape, which means more freedom from unsaleable stocks later on.

PROVISIONS.

Fresh killed hogs are in good demand at steady prices. While values are considered too high by some dealers who cure for future sale, thus preventing speculative trading, receipts

are quickly picked up for immediate use all round, and the tone of the market does not indicate a lower ranges. Cured meats are unchanged. Quotations are: Selected heavy Can. short cut mess pork, \$22.50 to \$23.00; heavy Canadian short cut mess pork, \$21.50 to \$22.00; Canada short cut back pork, \$21.50 to \$22.00; heavy Canada mess pork, long cut, \$21.50; heavy Canada short cut clear pork, \$21.50 to \$22.00; light Canada short cut clear pork, \$21.00; pure Canadian lard, in 20 lb. pails, 11¼c; compound refined lard, in wood pails, 20 lbs., 9c; Boar's Head brand, in 20 lb. wood pails, \$1.97½ to \$2.05; Glob's, \$1.72½ to \$1.80; 20 lb., in tin pails, ¼c per lb. less; hams, 12½c to 14c; and bacon, 15c per lb. Chicago, Feb. 5.—Provisions closed unchanged to 5c down. Future quotations: Mess pork, per barrel, May, \$15.85; July, \$15.92½. Lard, per 100 pounds, May, \$9.45 to \$9.47½; July,

\$9.55. Short ribs, per 100 lbs., May, \$8.47½; July, \$8.57½. Cash quotations: Mess pork, per barrel, \$15.65 to \$15.70; lard, \$9.27½ to \$9.30; short ribs, sides, \$8.25 to \$8.40; dry salted shoulders, 7c to 7¼c; short clear sides, \$8.62½ to \$8.75. Mail advices from London under date of Jan. 25, say:—Canadian bacon has naturally felt the competition of Continental severely, and supplies have not cleared. A large proportion of the shipments have consisted of fat descriptions, which are almost unsaleable. To-day prices have been "officially" reduced 1s to 2s on No. 1 selection, whilst on the open market, No. 1 and No. 2 selection is selling at 3s to 4s less than a week ago. Liverpool, Feb. 5.—Hams, short cut, steady, 48s. Bacon, Cumberland cut, steady, 40s 6d. Short ribs, steady, 44s. Clear bellies, steady, 48s 6d. Shoulders, square, 11 to 13 pounds, dull, 36s 6d.

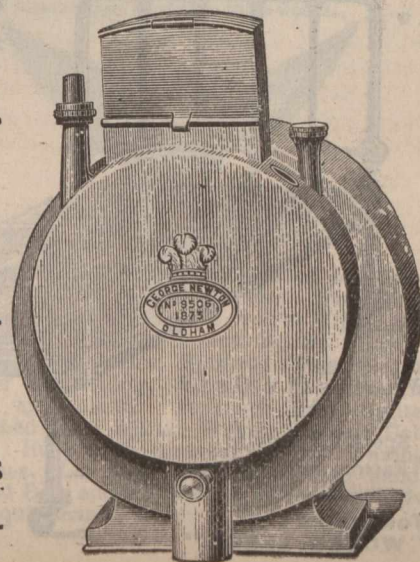
GEORGE NEWTON, LTD.



GAS METER = MANUFACTURERS.

OLDHAM, ENGLAND.

Special quotations under the new Canadian Preferential Tariff,

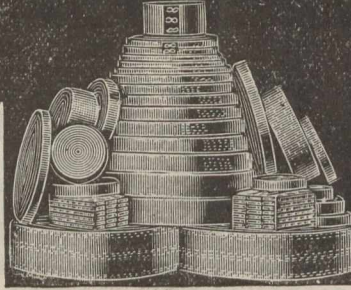


Established 1857.

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

OAK-TANNED LEATHER BELTING.

Single and Double.

LEATHER BELTINGSINGLE AND DOUBLE
LEATHER BELTINGSPECIALITY
EXTRA STOUT
OAK-TANNED**LEATHER-LINK**

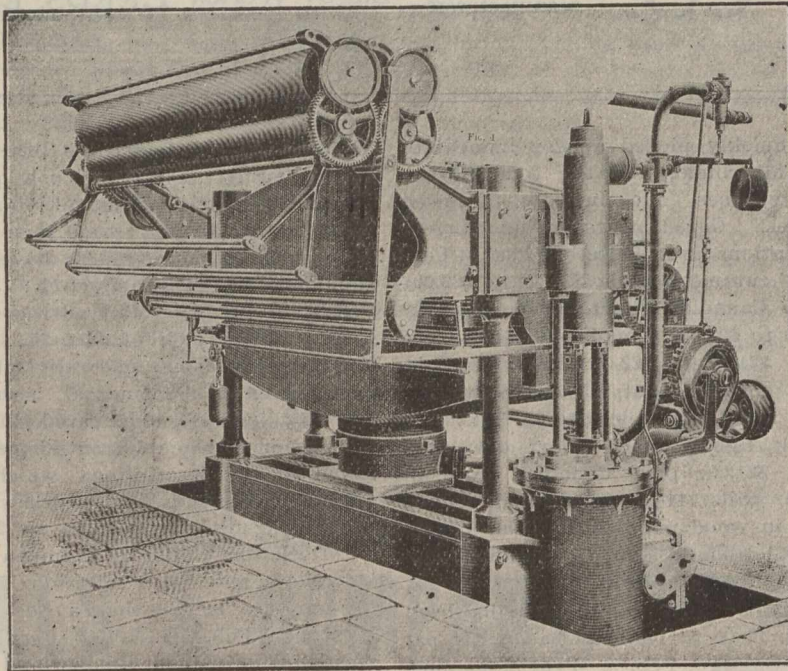
—OR—

CHAIN BELTING.

For Electric and Heavy Driving

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

Special Rates to Canadians under the New Tariff.

By H. M.
Royal Letters Patent.**NUSSEYS & LEACHMAN'S PATENT PRIZE MEDAL****Pressing and Tenting Machines.**MAKERS **W. B. LEACHMAN & CO..**

EXCEL WORKS,

Great Wilson Street,

LEEDS, ENGLAND.

WOOL.

Local trade shows some disposition to increase, stirred, doubtless, by the higher range of values at the London auctions which closed on Wednesday; but there is lacking that degree of life which should be apparent in order that trade might be described as even fair. Prices here have not been changed, but as stocks must be replenished, higher values must rule. At the closing day of the London sales, according to a cable, offerings were 12,215 bales. While the attendance was smaller than usual, there was active competition, with the demand good and recent rates realized. The selections offered were generally good. From the opening of the series there was a feeling of confidence and vigorous competition was shown for merinos, which averaged 5 per cent. dearer, especially medium inferior parcels. Later, better grades strengthened, while the demand for inferior faulty grades weakened somewhat. The closing tone for these grades, however, was firm. Competition for cross-breeds throughout the series was more satisfactory than for a long time past. All sections, including America, were active buyers of fine haired greasy, which improved 5 per cent. for medium, largely due to the demand from America; 15 per cent.; for coarse, and 10 per cent. for scoured. Slipes were in large supply and ruled somewhat irregular. Scoureds rose 5 per cent., and Cape of Good Hope and Natal

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

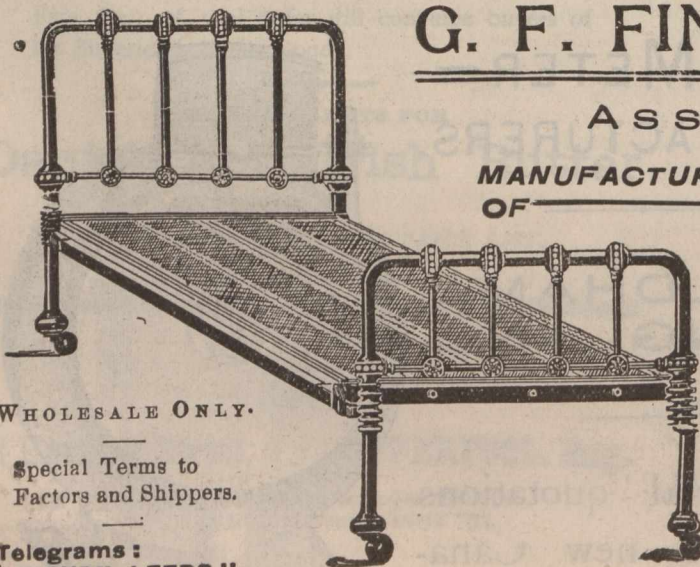
Assembly Works,

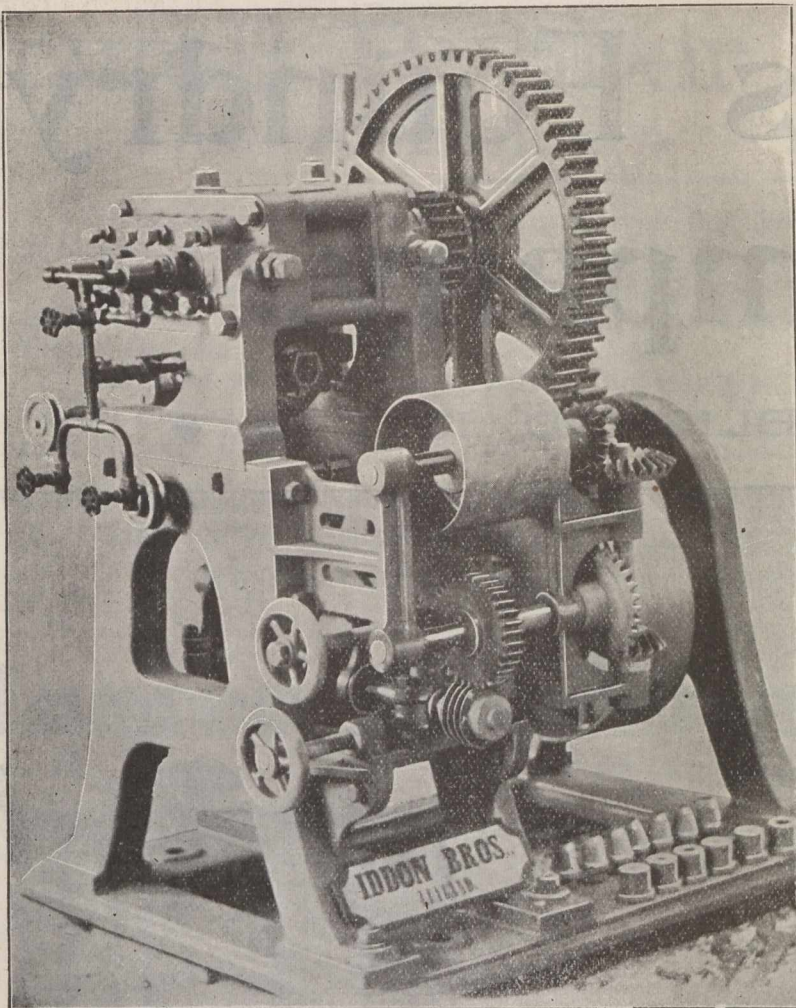
MANUFACTURER
OF**BEDSTEADS.**Folders, Chair-Bedsteads, Wire Spring Mattresses,
and Coppere^d Diamond Spring Mattresses.**WIRE MESHES FOR MATTRESS MAKERS.**

Angle Irons and Dovetails for Wood Bedsteads.

Special terms to Canadians under the New Preferential Tariff.

WHOLESALE ONLY.

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



Iddon Brothers,

INDIA RUBBER ENGINEERS.

Brookfield Iron Works,

LEYLAND, ^{Near} PRESTON, England.

Engineers and Rubber • Machinists,

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

Specialities : All kinds of Rubber Machinery.

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

greasies of good condition were readily taken at an advance of 5 per cent. Short heavy stock dragged somewhat, while snow white scoured towards the end of the sale hardened and at the close showed an advance of 5 per cent. The prospects for merinos is fairly satisfactory, as stocks in London and the manufacturing districts are reduced to a minimum of old stock. The stock of cross breds in London is practically clear. During the sale 84,000 bales were taken by the home

trade, 77,000 by the Continent, 8,000 by America, and 15,000 was held over. The following is to-day's sales in detail: New South Wales—2,000 bales; scoured, 5 3/4 d to 1s 4d; greasy, 3 3/4 d to 11d. Queensland—1,300 bales; scoured, 1s 1/2 d to 1s 6d; greasy, 4 1/2 d to 9d. Victoria—400 bales; scoured, 9d to 1s 3 1/2 d; greasy, 3 1/2 d to 7 1/2 d. South Australia—300 bales; greasy, 3 1/4 d to 9d. West Australia—900 bales; greasy, 4 1/2 d to 9 1/2 d. New Zealand—5,900 bales; scoured, 3 1/2 d to 1s 4d; greasy,

3d to 9 1/2 d. Cape of Good Hope and Natal—300 bales; scoured, 8d to 1s 3d; greasy, 4 3/4 d to 6 1/2 d.

THE STEEL ROPE PULLEY BLOCK COMPANY, LIMITED.

On another page will be found an advertisement of this firm who are desirous of establishing a trade in Canada, feeling confident that once their facilities for latest and most durable

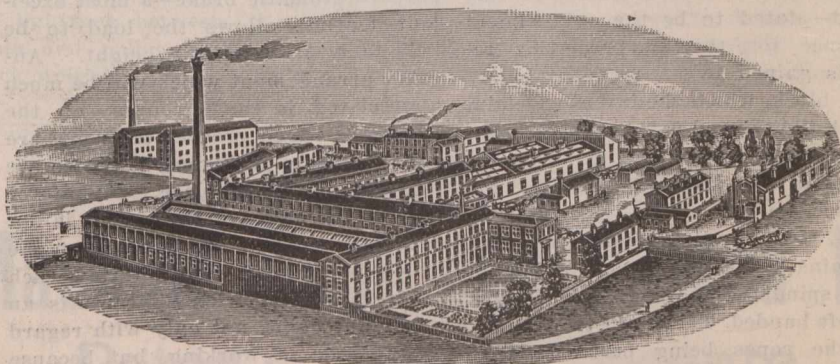
Telegraphic Address:
"HASTE, BRAMLEY, LEEDS."

Haste & Brown,

Hough End Tannery,

BRAMLEY, LEEDS, - Eng.

—Tanners, Curriers,-
Enamellers & Japanners.



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

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

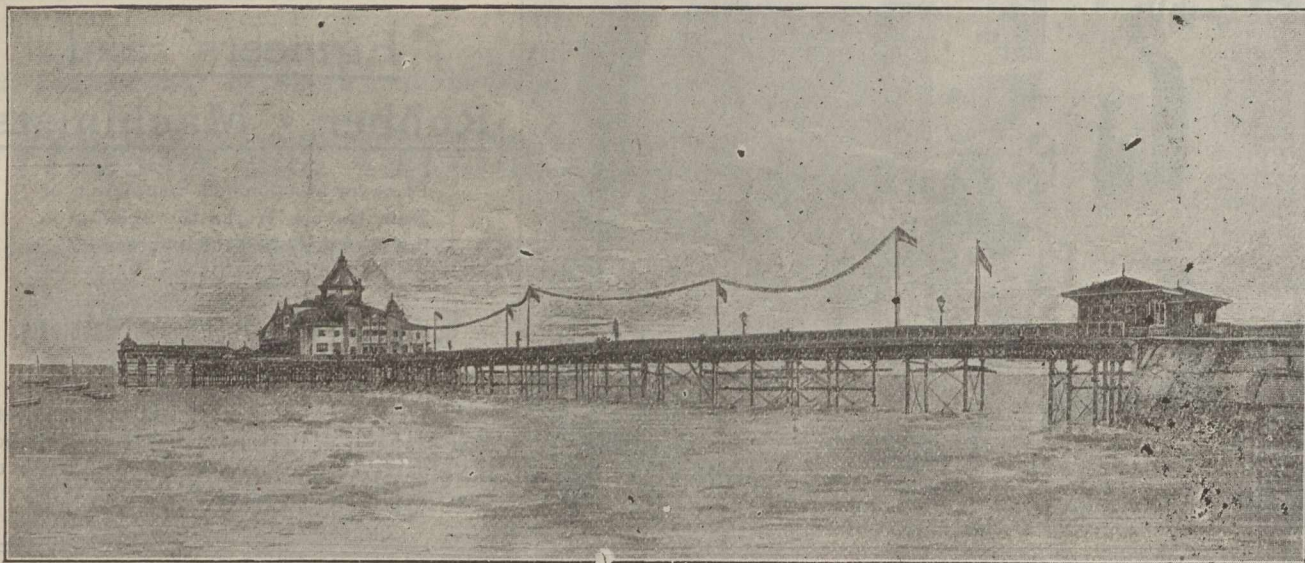
NOTE.—The "Eagle" Perfection Brand is the motto for the High-class Standard of Selection and Quality in these Goods.



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

Widnes Foundry Company.

◆ ◆ ESTABLISHED 1841. ◆ ◆



Morecambe Pier (East View),

ERECTED, 1898, BY

THE WIDNES FOUNDRY CO.

WIDNES,

Lancashire, - - England.

utensils of this nature are known the same measure of success will attend them from this quarter as has been bestowed throughout Europe. We cannot better describe the efficiency of this firm's productions in the manufacture of lifting tackle for all purposes, cranes, sheave blocks, crabs, pulley blocks, etc., than by reprinting the following, taken from a recent issue of The Railway Supplies Journal:

The Steel Rope Pulley Block Company, Limited, Sheffield.—Mr. G. T. Winnard, General Manager; Mr. P. R. Lamb, Secretary.—Winnard and Bedford's Inventions.—Steel ropes applied to cranes are not new; but we understand that steel ropes in the special connection we are about to notice are new, and the company whose name heads this article are the sole mak-

ers of Winnard and Bedford's patented invention, by which steel ropes lift by hand weights up to twenty tons. Steam, electricity, &c. can be employed if very heavy loads are to be lifted, but for lesser loads the advantages of hand power are obvious. In this patent—stated to be the only one in existence for this purpose—this result is gained by a portable pulley worm block, which the inventors claim is both lighter and safer than the usual iron chain block and avoids some defects of the latter. There is, for instance, no "thrust" as with the iron chains, steel ropes supplying the place of chains. The block has a double worm spindle, the worms being right and left handed. There are two drums, and the ropes being perfectly taut on the drums, there is no shock as

with the iron blocks, and the working is extremely smooth. Thus speed and power are both obtained and heavier loads can be lifted with ease. The load is under control to the fractional part of an inch, the figure being 1,100th. A patent automatic brake—a most excellent feature—allows the load to be held in position at any height. Another arrangement which will be much appreciated is the grooves on the drums, in which grooves the ropes are coiled, and by an ingenious device are retained in their place. Whatever may be the angle of the load it is not necessary to move the ropes from the grooves, nor can they overlay each other. The superior lightness is an important point, not only with regard to the ease of working, but because the lightness and ease combined pro-

Irwell Rubber Co., Limited.

MANCHESTER, - - ENGLAND,

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

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

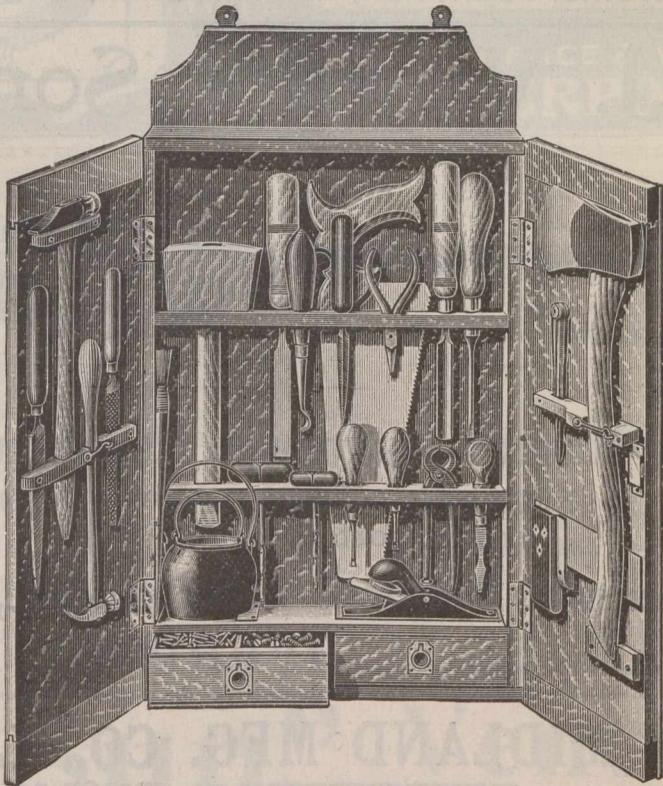
Solid and Insertion Sheets, Valves, Buffers, Washers for Steam and Water Joints, Rubber Belting, Hose of all kinds, Solid Rubber Tubings, Packings, of every description, Matting, Roller Covering, Fruit Jar Rings, &c., &c.

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

Special rates under the new Canadian Tariff. Enquiries invited.

James Needham

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



CITY OAKWORKS,

BROWN ST.
And SHOREHAM ST.,

SHEFFIELD,
ENGLAND.

duce greater durability. A few figures may serve to show the difference in lightness between the ordinary chain and pulley blocks. A pulley block weighing 190 lb. will lift 5 tons;

weighing 270 lbs. it will lift 10 tons; an iron chain block lifts 10 tons at a weight of from 9 cwt. to 10 cwt. The difference is very considerable.

The name of the firm is a guarantee

Wholesale Grocery Stock for Sale.

VICTORIA, BRITISH COLUMBIA.

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

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

The highest or any tender not necessarily accepted.

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

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

for first-class material and workmanship, and each block undergoes severe tests before being sent out. They are made for various kinds of cranes, travelling, jib, &c., and to suit all descriptions of girders. There are no worrying precautions in using, only a few simple rules to be observed, as with all machinery, whether worked by hand or mechanical power. The wheels and ropes should be kept well greased, and the firm advise that about half a lap of rope remain on the drums when at the bottom of the lift. Particular warning is given not to over-wind the block, as the great power obtained makes the rope liable to get strained. But these are precautions every practical engineer would take. The portability of the block is an enormous advantage in the erection of any kind of building or in engineering work. That leading steel

TAYLOR & WATKINSON, Machine Cast and Planed Printers' Leads.

Peter's Yard, Kirkgate, Leeds, Eng.

INVESTMENTS.

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

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

THE ROYAL BANK OF CANADA.

DIVIDEND No. 64.

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

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

The Annual General Meeting of Shareholders will be held at the Banking House, in this City, on WEDNESDAY, the 12th day of February next. The Chair will be taken at 11 o'clock a.m.

By order of the Board,

E. L. PEASE,
General Manager.

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

THE MOST NUTRITIOUS.

EPPS'S COCOA

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

EPPS'S COCOA

BREAKFAST—SUPPER

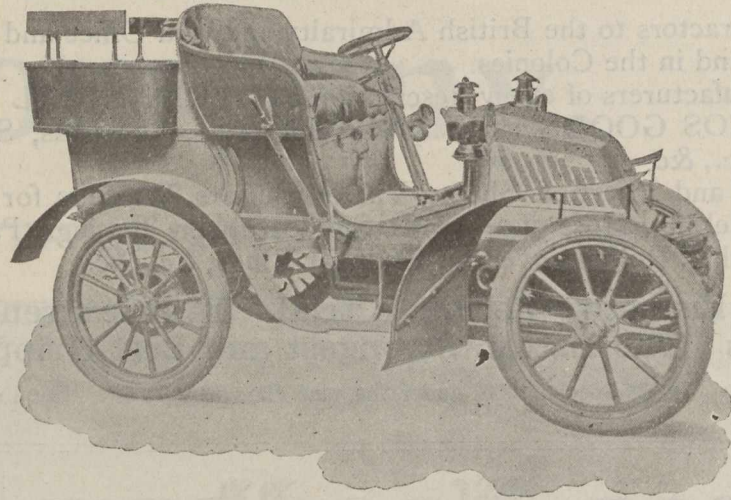
shops in Sheffield, Government establishments in the United Kingdom, and abroad, besides numerous engineering and contractors' works, have used and do use these blocks with the most satisfactory results, is a tribute to their utility to which we need add nothing, except to allude to the question of cost. For example, a block of the No. 1 pattern, lifting one ton, and the lift 8 ft. clear, costs £6, subject to a trade discount. The price is raised for each 2ft. lift extra, and new wire rope costs per foot 4½d. Special quotations are given for blocks lifting over twenty tons and for those applying to electrical and other cranes. Several of the patterns are designed for use on overhead girders.

The point of the invention is the double worm spindle against the single worm, the latter system producing what is called the dead stop or thrust, which as the inventors say, must necessarily form a resistance to the power. But the firm also manufactures a single drum steel wire pulley block for lifting up to three tons, possessing most of the advantages of the block we have been considering, and provided with a special "thimble" to keep the ropes in the grooves. The price is about £4.

The electrically driven pulley blocks

Marshall's

'Belsize' Car



Two Cylinders.
12 h.p.
14½ cwt.

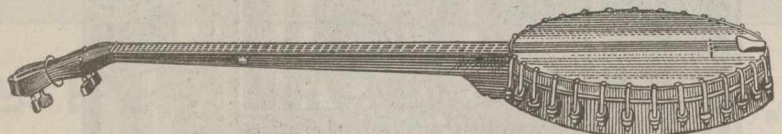
No Chains.
No Belts.

Unrivalled Hill
Climber.

Send for par-
ticulars.

Marshall & Co.

Belsize Works. CLAYTON, MANCHESTER, ENGLAND.

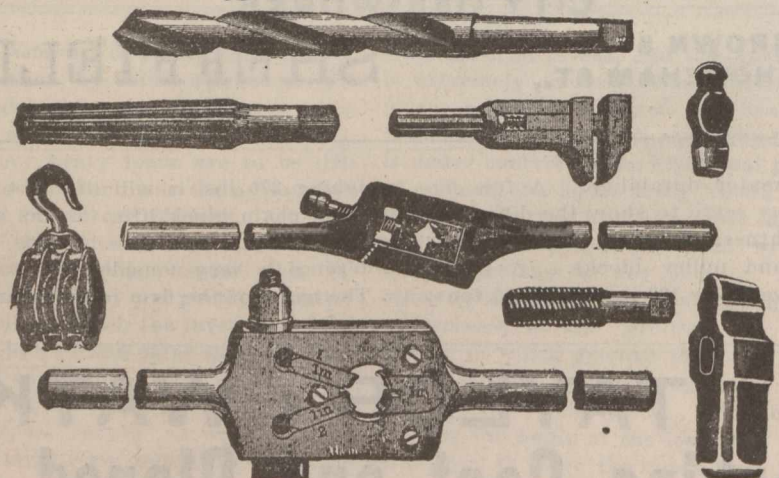
R. J. Ward & Sons,

Military Musical Instrument Manufacturers.

Wholesale Importers
and Exporters of—

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

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



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


ESTABD 1859

LIVERPOOL RUBBER COMPANY LTD

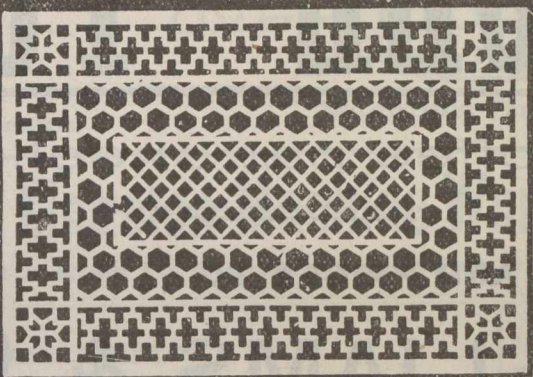
MANUFACTURERS OF

RUBBER BOOTS & OVERSHOES


CANVAS, PLIMSOLL, GYMNASTIC & LAWN TENNIS SHOES



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




CAB TYRES
PNEUMATIC CUSHION
AND
SOLID TYRES



WASHERS
AND
ALL KINDS OF MECHANICAL
RUBBERS. INDIA RUBBER THREAD

TELEGRAPHIC ADDRESS:-
"RUBBER," LIVERPOOL.
TRADE MARK

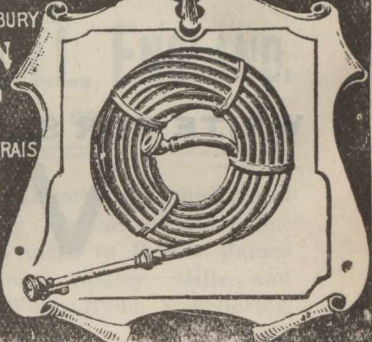


LIVERPOOL RUBBER CO. LTD

HEAD OFFICE & WORKS
VAUXHALL RD LIVERPOOL ENGLAND

24 ALDERMANBURY
LONDON
ENGLAND

20 RUE DE MARAIS
PARIS
FRANCE



are designed to move about quickly and fitted with an electric motor. Besides these patent blocks the company are makers of improved hoisting crabs, with wrought iron or cast iron frames; sheave blocks, jacks, all kinds of cranes; including the improved jib crane for warehouse, &c., and made for use with the firm's handy hoist. The customers of the firm, with special reference to Winnard and Bedford's patent, are very numerous, their names filling a long list. These include the Admiralty, and a great many dockyards, and several foreign Governments, besides works of world wide reputation.

The secretary will furnish all particulars of these manufactures, if addressed at the Works, Washford Road, Attercliffe, Sheffield. Send for illustrated catalogue and special terms under the new Canadian tariff.

JAMES NORTH & SONS.

Every person who wears gloves eventually finds out the difference between those that look well and those that wear well. In a like manner every dealer in gloves finds this out after he has, perhaps, unknowingly

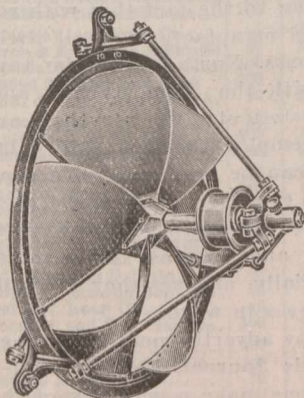
dealt in the former for a season, the unsatisfactory results of which he must abide by for years. Not only are many gloves manufactured from poor material, but the make is as often superintended more with a view to speed than durability.

A question put to an experienced dealer in men's furnishings as to his experiences in selling gloves, from the split muleskin and sheepskin mitten for labourers' wear to the finest kid, shaded to the latest fad, will, if that person so desires, bring forth sufficient anecdotes of trouble and reconciliation to fill a book. Holding a high place among thoroughly reliable

"Sun" Ventilating Fans

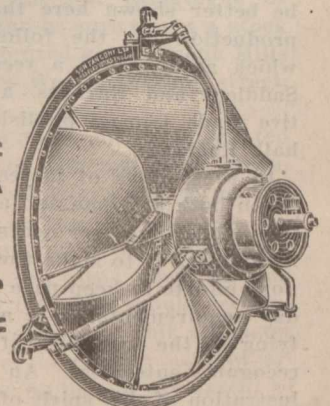
Highest Efficiency, Strength
and Lightness

MADE ENTIRELY OF WROUGHT
OR MALLEABLE IRON.



Belt Driven.

For Ventilating, Drying and
All Cooling Purposes . . .



Electrically Driven.

"Sun" Fan Co. Ltd.,

GENERAL BUYING
AGENTS WANTED.

Special prices to Canadians
under the New Tariff.

40a Thornton Road, BRADFORD, ENG.

JUST LIKE MOTHER USED TO MAKE!

Williams's

— HOME-MADE —

TREACLE TOFFEE

The Toffee par excellence.

WRITE FOR SAMPLES AND PRICES TO

WILLIAMS & Co..

Steam Confectionery Works,

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

96 Wood Street,
LIVERPOOL, Eng.

makers and dealers in gloves, the firm of Messrs. James North & Sons, Manchester, Eng., are endeavouring to acquaint the Canadian trade with the durability of their goods, the care taken in seeing that all gloves are perfect before entering the shipping rooms; that all their products are sold on their correct names as applying to the sort of leather or fabric composing them, and that their efforts throughout are based on the principle that it is wiser to sell twice to a dealer on a minimum profit than to sell him once on a maximum and then lose his trade. An illustration of the variety of gloves manufactured by this well-known Manchester house cannot be better shown here than by a reproduction of the following notice, which appeared in a recent issue of Saddlery and Harness, a representative trade journal published at Wals-hall, England:

In these days of increasing competition both at home and abroad, when it is more than ever necessary for the manufacturer to make the most strenuous efforts to keep pace with present day requirements, it is always gratifying to the true man of business to recognise enterprise. An excellent illustration of this spirit of progression is afforded by the proprietors of the well known Hyde Leather Works, whose name appears at the head of this article. Messrs. North & Sons have for many years occupied a prominent position as wholesale manufacturers of

all kinds of chamois goods, gloves, &c., and a visit to their splendidly fitted Godley Mills and their Tower Street Works, Hyde, would convince the most skeptical that the firm in question are not only well to the fore in their particular branch of trade, but show every indication of maintaining their position. At this season of the year, Messrs. North are, as usual, extremely busy with orders, for the spring and summer trade, and particularly in chamois they have at present orders which will keep them busy for some time to come. Their harvest, Drummond's, Oxfords, and gardener's gloves are just now in great demand, and their trade in driving gloves increases with the years. Notice must also be made of their Cape Tilburied driving gloves, also their plain tan cape one-button and two-button dress gloves, all of which have taken on with the public, and are now causing Messrs. North no little inconvenience to cope with the demand. Doeskin and mock buck gloves are also going well, and this year a large government order for white army gloves will keep the staff for this work fully employed. Boxing gloves have had a fair claim upon the attention of Messrs. North and prospects show up well. The firm is already making cricket and batting gloves and gauntlets in tan cape (white), mock buck, and cloths, and legguards also in the various patterns. In keeping with the times this enterprising firm have laid them-

selves out for the motor-car, and have produced a gauntlet glove in tan cape, also black French calf, lined with a special lining which makes up a very good, serviceable, and useful article, combined with an elegant appearance. A by no means unimportant branch of their business is the one devoted to the large chamois for saddlery, which—judging by the continually increasing demand for these articles both at home and abroad—are very much appreciated. Notice should also be made of the cash bags and jug purses, which are made in chamois leather, tan cape and mock buck, which form one of Messrs. North's interesting novelties.

We cannot conclude this article without referring to the fact that with regard to the manufacture of all their goods, Messrs. North select the raw material with the utmost care, and use in dressing, etc., the very best articles and employ the best skilled labour that can be procured. To cope with their ever-increasing work they have had to put down additional new machinery and increase their staff very materially, and yet they are still up to the eyes in work.

As seen by advertisement in another page of this Journal, Messrs. James North & Sons make a specialty of the following: Chamois and gloves and athletic goods, harvest gloves, driving and dress gloves, housemaids' gloves, gardening gloves, white cow-hide and seal and tan mitts, cricket, tennis, foot balls, boxing gloves, and cash

Bottle Washing Machinery

OUR NEW PATTERN "KINGSTON."

No. 2

22-dozen Half-pint Beers.

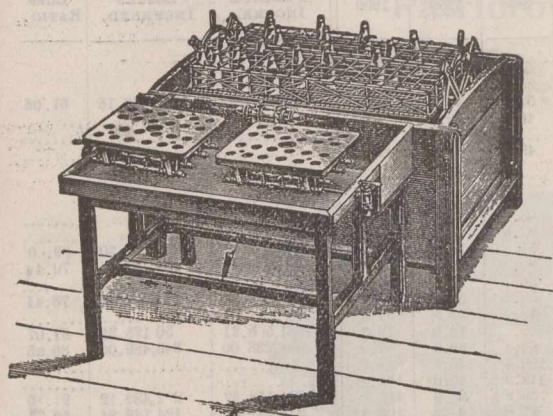
Fitted with Revolving Rinsers as shewn,

£27

with Bottle Sinker.

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

Machines from £10 to £40.



Original Inventor and Patentee.

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

Special estimates to Canadians under the New Tariff.

STOCKS AND BONDS.

NAME.	Par Val's.	Capital Sub-scribed.	Capital paid-up.	Rest.	Div. last 6 Ms	Dates of Dividends.	Per Cent. Price Feb. 6. (Bid)	Cash value per S.
British North Am.....	243	4,866,666	4,866,666	1,708,333	3	Apl. Oct	128	311 04
Can. Bank of Commerce	50	8,000,000	8,000,000	2,000,000	3 1/2	June Dec	147	78 50
Commercial, Windsor..	40	500,000	350,000	60,000	3	.....	105	42 00
Dominion	50	2,500,000	2,500,000	2,500,000	*2 1/2	May	244	122 0
Eastern Townships.....	50	2,000,000	1,742,535	1,050,000	3 1/2	Jan July	150	75 00
Halifax Banking Co.....	20	600,000	600,000	500,000	3 1/2	Feb. Aug	158	79 00
Hamilton	100	2,000,000	1,995,750	1,500,000	5	June Dec	205	205 00
Hochelaga	100	1,500,000	1,500,000	750,000	3 1/2	June Dec	152	152 00
Imperial	100	2,500,000	2,500,000	1,850,000	5	June Dec	329	329 00
Merchants' Can.....	100	6,000,000	6,000,000	2,600,000	3 1/2	June Dec	150	150 00
Moisons	50	2,500,000	2,500,000	2,150,000	4	Oct April	209	104 50
Montreal	200	12,000,000	12,000,000	7,000,000	5	June Dec	258	516 00
Nationale	30	1,200,000	1,200,000	275,000	3	May Nov	95	28 50
New Brunswick.....	100	500,000	500,000	700,000	6	Jan July	300	300 00
Nova Scotia.....	100	2,000,000	2,000,000	1,870,000	4 1/2	Feb. Aug.	232	116 00
Ontario.....	100	1,510,000	1,395,030	350,000	2 1/2	June Dec	123 1/2	123 50
Ottawa	100	1,994,900	2,000,000	1,765,000	4 & 1	June Dec	205	205 00
People's of N. B.....	150	180,000	180,000	155,000	4	June Dec	155	77 50
Provincial.....	25	873,487	781,243	.....	3	June Dec	122	61 00
Quebec.....	100	2,500,000	2,500,000	700,000	3	June Dec	175	175 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	2,347,000	5	June Dec	229	229 00
Traders	100	1,350,100	1,344,420	250,000	3	June Dec	112 1/2	112 25
Union (Halifax).....	50	800,000	800,000	505,606	3 1/2	Mch Sept	150	75 00
Union of Canada	100	2,000,000	2,000,000	550,000	3	June Dec	.....	.....
Western.....	100	500,000	401,239	134,000	3 1/2	Apl Oct	.....	.....
Agri. Sav. and Loan Co	50	630,200	630,200	192,000	3	Jan July	.....	.....
Bell Telephone Co	100	5,000,000	5,000,000	800,000	4 1/2	Jan *	167	167 00
Brit. Can. Loan & Inv. Co.....	100	1,937,900	398,481	120,000	2 1/2	Jan July	.....	.....
Brit. Mortg. Loan Co.....	100	450,000	359,214	130,000	3	Jan July	128	128 00
Can. Colored Cot. Mills Co.....	100	2,700,000	2,700,000	.....	.....	Jan *	52 1/2	52 50
Can. Landed & Nat'l Inv't Co.....	100	2,008,000	1,004,000	350,000	3	Jan July	90	90 00
Can. Per & W. Can. M. Corp'n.	10	5,951,350	5,951,350	1,497,057	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	334,200	30,000	2	Jan Dec	72	36 00
Dominion Telegraph Co	50	1,000,000	1,000,000	.....	1 1/2	Jan *	124	62 00
Dominion Cotton Mills Co...	100	3,333,600	3,333,600	.....	6	Mar *	45	45 00
Hamilton Prov. and Loan.....	100	1,500,000	1,100,000	356,752	3	Jan July	112	112 00
Home Sav. and Loan Co	10	2,000,000	200,000	200,000	3 1/2	Jan July	135	67 50
Huron & Erie Loan & Sav. Co	50	3,000,000	1,400,000	890,000	4 1/2	Jan July	179	89 50
Imperial Loan and Inv. Co..	100	723,724	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
Lond. & Can. Loan and Ag.	50	1,000,000	877,267	87,500	3	Jan July	68	34 00
London Loan Co.....	50	679,700	678,550	160,000	3	Jan July	110	55 00
Manitoba & North-W. Ln Co	100	1,500,000	375,000	50,000	.....	Jan	55	55 00
Montreal Telegraph Co.....	40	2,000,000	2,000,000	.....	2	Jan	171 1/2	85 60
Montreal Gas Co	40	3,000,000	2,998,640	.....	5	April	241	96 50
Montreal Street Ry. Co.....	50	5,000,000	4,500,000	560,313	2 1/2	Feb. *	272	136 00
Montreal Cotton Co.....	100	1,400,000	1,400,000	600,000	4	Mch. *	112	112 00
Merchants Cot. Co.....	100	1,250,000	1,250,000	.....	4	Feb Aug	95	95 00
Montreal Loan and Mortg....	25	500,000	500,000	380,000	3 1/2	Mch	127 1/2	34 37
Ont. Indus. Loan and Inv. Co.	100	466,800	314,386	150,000	3	Jan July	121 1/2	60 75
Ont. Loan and Deb. Co.....	50	2,000,000	1,200,000	585,000	3	Jan July	70	35 00
People's Loan and Deb. Co.	50	600,000	600,000	.....	2	Jan July	24	12 00
Real Est. Loan Co.....	40	373,720	373,720	50,000	2	Jan July	70	35 00
Richelieu and Ont. Nav. Co.	100	2,088,000	2,088,000	164,355	3	May Nov	111	111 00
The Royal Electric Co	100	2,250,000	2,250,000	320,155	.....	Jan. *	240 1/2	120 50
Toronto Electric Light Co..	100	2,000,000	2,000,000	.....	.....	Jan. *	136	68 00
Toronto Mortgage Co	50	1,445,860	724,540	250,000	2 1/2	Jan. *	78 1/2	39 00
Toronto Street Railway.....	100	6,000,000	6,000,000	.....	.....	Jan. *	108	108 00
Windsor Hotel .....	.....	.....	.....	.....	.....	.....	112 1/2	56 25

* Paying quarterly dividends.

bags. Send for illustrated price list and catalogue with special terms under new Canadian tariff to Messrs. James North & Sons, Godley Mills, and Tower Street Works, Hyde, Manchester, England.

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Before us is an extensive, illustrated catalogue of the principal goods manufactured by this firm, a full perusal of which would be too long for our columns, but judging from appearance, completeness of cases, designs, and great variety this firm should certainly be fully prepared to suit all tastes and fill orders as speedily as they arrive. To give an idea of the extent of this catalogue we reprint the names of the principal articles illustrated and priced therein:

Afternoon tea sets; afternoon tea spoons; asparagus tongs; biscuit boxes; bread forks; bread platters;

FIRE INSURANCE IN CANADA DURING 1901.

(Full information as to 1901 business for the remaining Companies is not available for the moment, but will be published as soon as returns come in.)

COMPANIES.	RATIO OF LOSSES PAID TO PREMIUM RECEIPTS.											1901.			
	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	PREMIUM INCOME.	LOSSES INCURRED.	LOSS RATIO.
CAN. COMPANIES.															
British America...	61.4	67.6	75.2	86.1	71.4	67.5	62.6	57.5	59.6	52.3	48.1	69.0	427,389.91	261,069.76	61.06
Quebec	71.0	44.7	67.3	73.5	79.0	73.3	59.5	67.5	117.5	46.7	93.5	69.0			
Victoria-Montreal											15.0				
Western	46.5	46.8	65.2	70.0	64.4	66.2	65.1	57.5	73.3	49.4	51.9	86.0			
BRIT. COMPANIES.															
Alliance				40.0	87.4	92.7	73.3	68.5	53.5	63.6	43.7	187.0			
Atlas	56.9	71.7	77.3	57.7	76.0	57.1	59.0	59.0	61.1	9.6	60.2	104.5			
Caledonian	67.3	70.8	83.5	52.8	73.4	69.4	59.6	62.8	62.9	55.8	50.6	123.3	248,432.60	221,201.30	89.10
Commercial Union	57.8	47.6	57.8	81.0	69.6	62.7	79.9	61.9	72.5	80.8	71.8	79.5	426,584.51	300,10.56	70.44
Guardian	59.5	75.3	85.6	52.0	58.5	75.7	75.4	58.6	76.8	56.7	53.8	106.0			
Imperial	42.1	47.9	44.4	46.2	84.8	57.3	58.8	51.9	56.9	50.2	58.7	99.5	303,356.04	222,694.23	73.41
Lancashire	52.3	53.8	71.0	60.7	75.6	60.4	80.1	60.1	71.6	49.9	57.0	91.2			
Law Union & Crwn											12.0	72.3	81,50.21	50,175.35	61.07
Liv. & Lon. & Glo.	37.2	38.1	57.9	64.9	86.9	65.3	70.5	57.7	72.8	60.8	69.9	87.0	398,236.00	343,489.00	86.25
Lon. and Lanca.	26.3	61.5	41.5	55.8	49.2	63.8	89.5	45.6	49.3	108.4	46.9	86.6			
London	33.3	44.7	36.8	45.9	69.9	63.3	91.1	46.2	78.0	119.2	45.0	111.4			
Manchester		12.6	49.4	65.6	92.2	78.3	90.8	57.3	76.5	56.8	62.9	131.0	231,158.67	2,1482.12	91.40
National	48.6	67.6	81.3	63.2	87.7	57.1	16.0	59.0	61.1	97.6	61.2	102.5	245,427.47	124,148.34	52.73
N. Brit. & Mer.	65.0	55.9	72.9	63.2	67.7	56.8	61.2	45.3	77.1	63.2	64.4	116.4			
Northern	50.9	70.5	57.9	59.8	70.5	70.5	86.3	69.2	55.9	55.9	52.7	74.5	**326,393.97	234,086.10	71.17
Norwich Union	40.0	58.7	67.7	63.0	64.1	83.1	69.2	57.7	63.7	72.5	56.8	97.6	354,494.93	257,665.27	72.12
Phoenix of London	40.9	48.2	61.1	54.1	63.3	62.3	49.2	43.3	53.4	57.1	51.8	80.2			
Royal	42.5	53.3	88.3	63.7	75.1	70.8	72.7	63.3	62.9	67.6	59.2	82.7			
Scot. Union & Nat.	39.3	33.5	61.7	68.2	81.5	68.2	86.1	55.6	42.5	67.0	47.6	60.0			
Sun Fire				20.8	62.0	69.4	70.7	59.9	33.2	65.5	70.8	91.4	178,759.70	112,749.49	63.11
Union		23.9	42.7	45.2	68.0	61.0	45.8	58.5	43.7	76.0	56.5	130.5			
AMER. COMPANIES.															
Etna	48.6	67.3	55.6	75.8	63.4	56.3	78.3	47.6	67.2	61.1	60.6	164.2	193,188.44	141,995.16	73.50
American												84.8			
Connecticut	24.1	37.6	36.7	48.4	62.1	41.5	76.3	52.1	75.0	93.3	60.2	71.3	54,199.01	31,378.66	59.90
Hartford	44.9	84.7	72.3	51.3	70.2	65.3	75.6	50.8	60.9	66.8	52.1	133.5			
North America		44.3	45.7	56.6	65.0	70.7	62.4	67.6	84.0	79.8	42.9	119.3	169,260.00	116,000.00	68.53
Phoenix of Brook	46.0	37.6	54.9	82.9	70.8	69.9	98.3	61.9	53.7	64.3	57.5	56.5			
Phoenix of Hart.		20.3	56.6	79.9	96.4	75	71.2	72.9	80.6	85.0	33.0	75.4	3,217,818.11	1,706,744.69	53.04
Queen of America			18.7	70.5	63.0	67.1	66.9	59.4	56.8	41.2	53.7	88.6			

RECAPITULATION.

Average	.....1887	70.9
do	.....1888	51.3
do	.....1889	51.5
do	.....1890	56.0
do	.....1891	62.6
do	.....1892	64.7
do	.....1893	74.4
do	.....1894	68.4
do	.....1895	71.2
do	.....1896	59.0
do	.....1897	65.7
do	.....1898	65.1
do	.....1899	61.1
do	.....1900	98.9

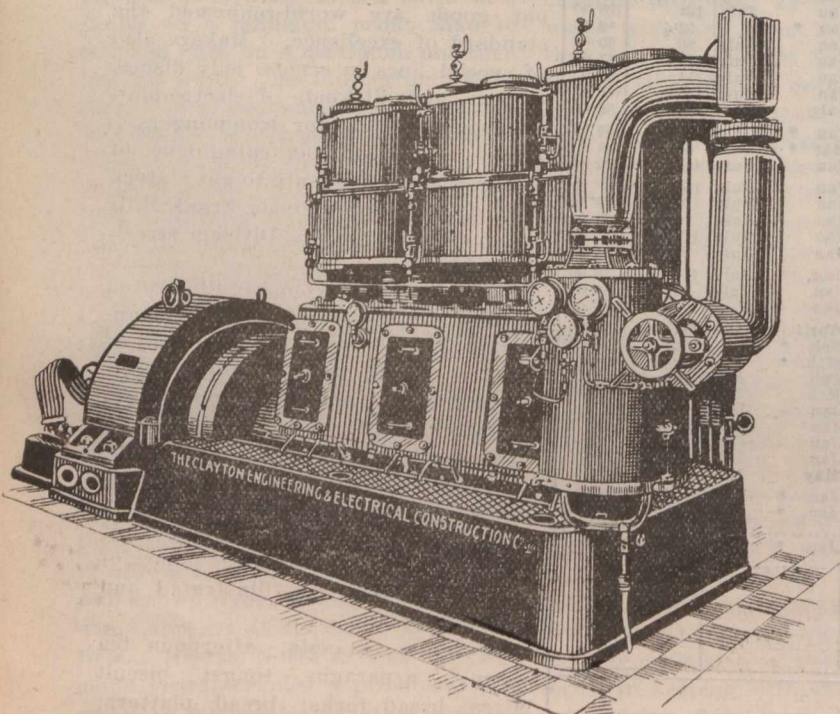
* Estimated. ** Approximate.

breakfast cruets; butter knives; butter dishes; butter and jam in case; cake and bread baskets; canteens; carvers, meat, in cases; challenge cups; cheese scoops; children's mugs; coffee pots; communion services; cream jugs; cruet frames; cups; cutlery, ta-

ble; caddy spoons; cake stands; crumb scoops; dessert knives and forks; dish covers; egg frames; entree dishes; fish carvers; fish eating knives and forks; flower stands; fruit stands; fruit, sugar and cream; hot water jugs; ink stands; jam spoons; jam stands; jelly

frames; jelly frames, double; jugs; knife rests; kettle and stands; knives, forks and spoons, in cases; lamps; liquor frames; lunch frames; marmalade stands and jars; mugs; meat carvers, in cases; meat carvers; muffineers; napkin rings; pickle forks; re-

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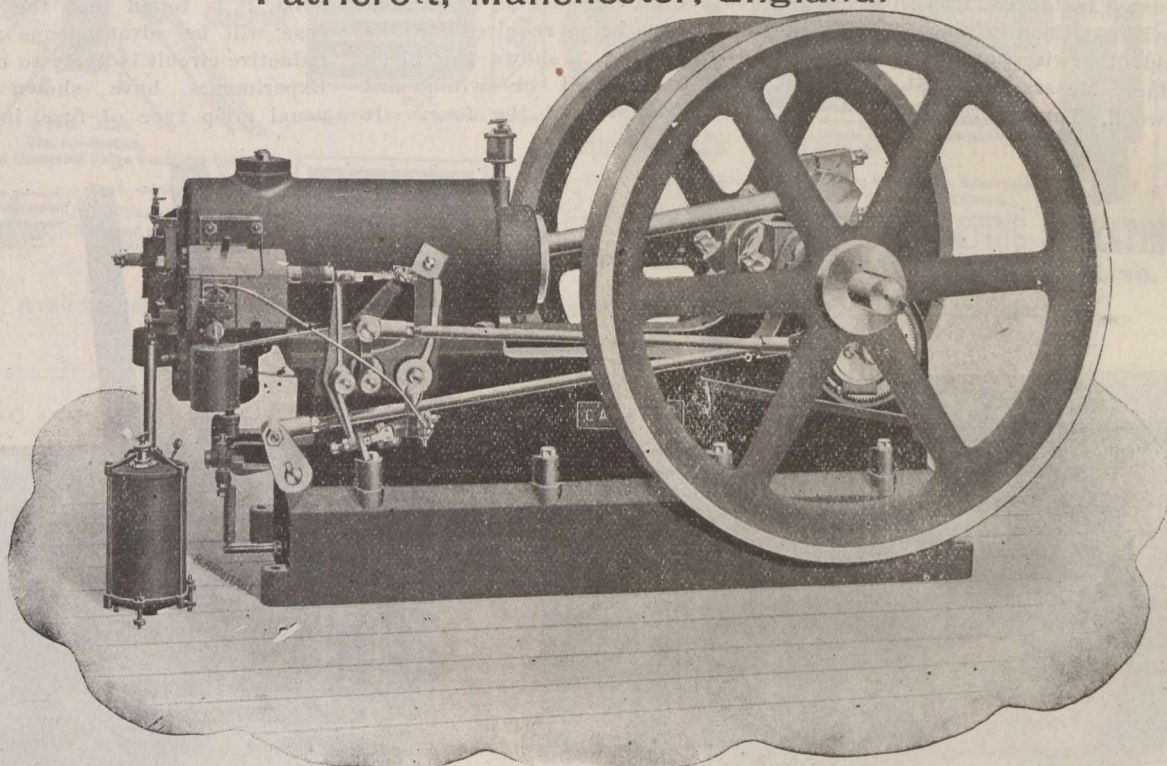


Photo of 20 B. H. P. Oil Engine.

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More than 2000 Engines Sold and Working Successfully in all Parts of the World.
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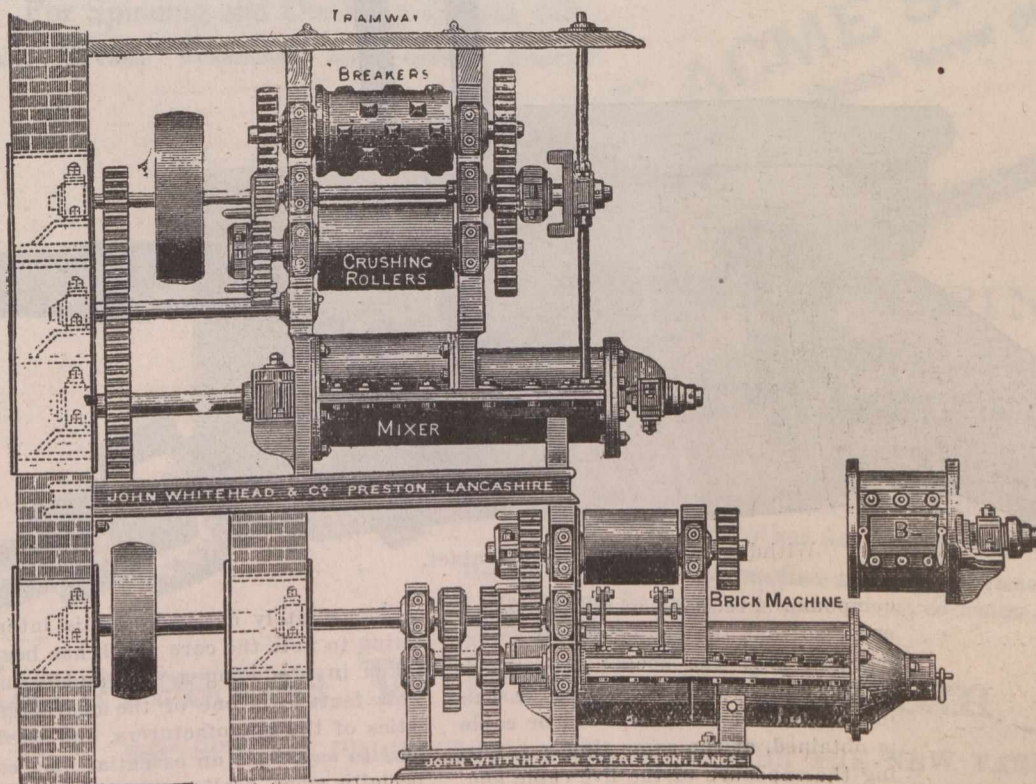
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plating list; spoons and forks, electro-plated; spoons and forks, nickel silver; salad bowls and servers; soup tureens; sugar tongs; sugar sifters and crushers; serviette rings; salt cellars; tea kettles; tea services, afternoon; tea spoons, afternoon; tea and coffee

services; tea urns; toast racks; urns, tea and coffee; vases, flower; venison dish; waiters. A copy of this catalogue should be in the office of all dealers in these high grade specialties, as it will at once serve as a complete guide to design and price, besides fully

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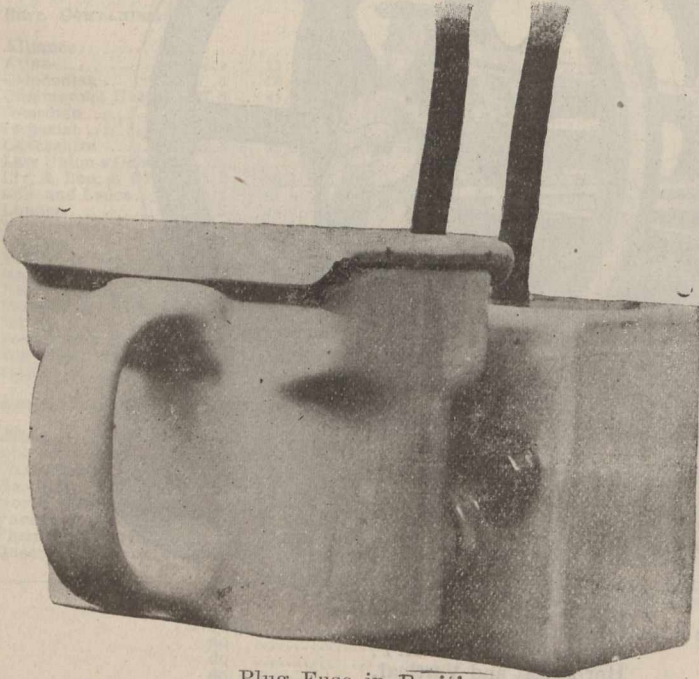
ENGLISH ELECTRICAL APPLIANCES.

A New Form of Oil Break Fuse.

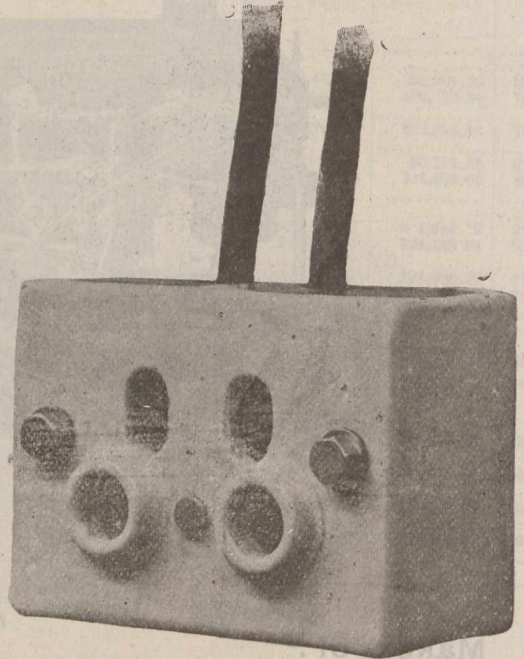
The need of a really satisfactory fuse and the difficulty in obtaining it has, in many instances, necessitated working without them in places where they would otherwise have been used to advantage. Messrs. Ferranti, Ltd., of Hollinwood, Lancashire, England,

seen entering from the top, although the block can be easily mounted in the reverse direction for the cables to enter from below. Fig. 2 represents the withdrawal of a fuse from its contact, no special tool, or, in fact, any apparatus being required for this operation. Fig. 3 shows the block attached to the wall or switchboard after the removal of the fuse. It

in several popular sizes for capacities varying between 30 and 850 k w s. They are equally applicable for 500 volts C.C. or 2,000 to 5,000 alternating current circuit. Even on 250 volt circuits, it is found that the oil break fuse will be advantageous where an inductive circuit is likely to be broken. Experiments have shown that the usual strip type of fuse, in blowing,



Plug Fuse in Position.



Block Attached to Wall or Switchboard

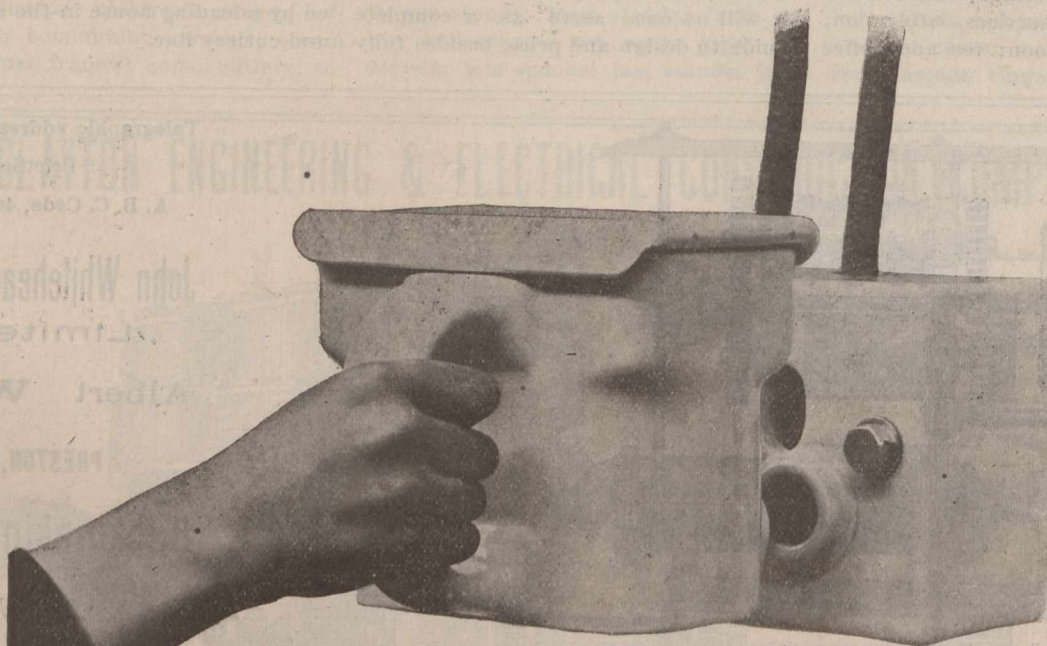
have furnished a remedy for this by manufacturing an oil break plug fuse, which, combined with a special type of contact block, can be added to any circuit, fixed on to any type of switchboard, or even on to a wall in a central or sub station.

The illustration represents this useful device (Fig. 1) showing the plug fuse in position. The cable will be

will be seen from this illustration how securely the metal sockets are shielded by the surrounding porcelain. It is quite impossible to make accidental contact with either the metal terminals or the plug sockets, both these fittings being out of sight under the surface of the porcelain. The metal fittings are held into the porcelain block by sulphur compound and this

causes considerable damage to the fuse contact and to the surrounding parts of the switchboard; whereas an oil break fuse will act on the same circuit without disturbance.

It is unnecessary to describe the details of the actual fuse which is of the Ferranti well known type, in which the are produced on the break of the circuit is drawn into a bath of oil and



Withdrawal of Fuse from Contact.

compound is recessed where the cables enter so that the rubber paper covering can pass the socket so formed. By these precautions a method for sealing the end of the compound or cable is obtained, at the same time preventing the exposure of the live cable end.

This useful combination is produced

so immediately damped. It is interesting to note the care which has been taken in producing a safe apparatus. This feature is one of the characteristics of the manufacturers, and needless to say, it is an essential one, especially when dealing with H. T. systems.

VENTILATORS & SMOKE CURES

NEAT, GOOD, CHEAP. IN ZINC.

Many References, etc.

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ACME LOUVRES for Walls, Gables, Roofs, etc

Fig. 4.

Fig. 23M. By Electricity, Water, Gas, Steam, Hand or Horse Power.

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

Fig. 24. Venetian Dry Wall Inlets. Various Sizes from 1/8.

Fig. 8.—Section. Acme Patent Concealed Ridge Ventilator Outlet.

Fig. 9.—As fixed. Side View. 25 YEARS' EXPERIENCE. Tests and comparison invited. Made to any design.

Fig. 13. ACME Door and Partition Louvre Ventilator

“ACME” CHIMNEY COWL, in Steel. Copper and Galvanized. Made to order. One of several types of Smoke Cures we make. Suitable for all Conditions and Situations.

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

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

AMONG OUR NEIGHBORS.

Reciprocity with Canada is being repeatedly discussed at commercial meetings across the border, but just how our U.S. friends can break down our low fence, without at the same time lowering their own in a proportionate degree is a problem too great for even the clear “Yankee” head. At the New York Credit Men’s Associa-

tion’s regular bi-monthly dinner recently, Charles A. Gardiner, of the New York bar, the first speaker, discussed at length the subject of commercial expansion. His address was in part as follows: “Reciprocity is offered as a universal panacea, but we know little about it. Protection we know. It has grown with our growth and expanded with the nation. The policy of no section, it is continental and American. For 125 years it has been as fundamental to our commerce

as is the Constitution to our Government. Foreign nations have always recognized it and have made their treaties and adjusted their trade relations on the basis of our established protective system. Free trade also we know.

“But what is reciprocity? ‘It is an easy word to say,’ remarked Andrew Carnegie, ‘but a difficult policy to inaugurate.’ That is the trouble, and no more cogent truth has been stated on the subject. ‘Reciprocity,’

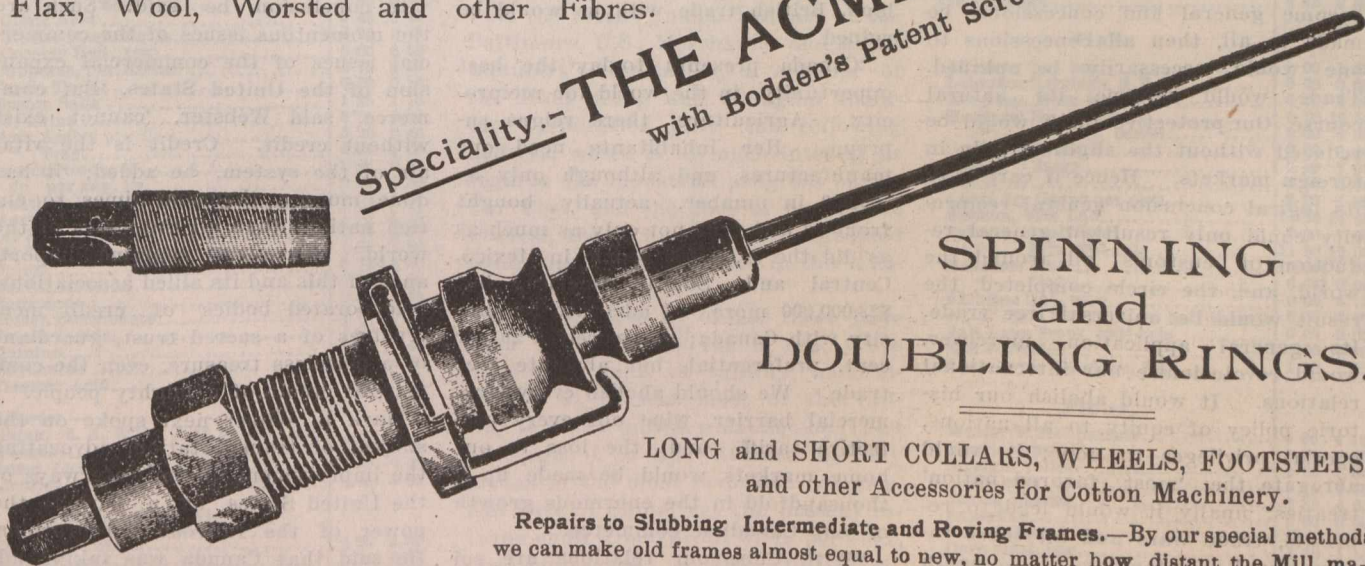
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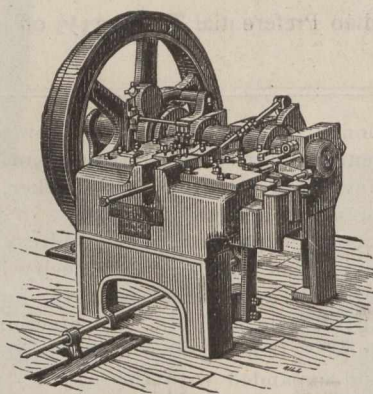
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No. 3609. HORSFALL'S PATENT BOLT & NUT FORGING MACHINE.
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HORSFALL'S PATENT COMBINED
Bolt and Nut Forging
Machine

*	Size L	makes	$\frac{1}{4}$ in. to 7-16 in.
	" 0	"	$\frac{1}{4}$ in. to 7-16 in.
	" 1	"	5-16 in. to $\frac{3}{8}$ in.
	" 2	"	$\frac{3}{8}$ in. to 1 in.
	" 3	"	$\frac{3}{4}$ in. to 1 $\frac{1}{2}$ in.

The Best All-Round Machine
in the World

De Laval's Patent Steam Turbine Motors, Turbine Dynamos, Pumps and Fans (For Great Britain and Colonies, China, Japan and Egypt).

says Senator Lodge, 'is an integral part of the protective system.' No more of an integral part than is free trade. The two are antagonistic economic principles. Reciprocity reduces duties, disintegrates protection and leads straight to free trade. As a general policy also it is futile. The essence of reciprocity is the concession of special tariff rates to one country at the expense of others. If reciprocity should be extended concessions would multiply; and should it become general and concessions be made to all, then all concessions to one would necessarily be nullified. Trade would resume its natural course. Our protective tariff would be reduced without the slightest gain in foreign markets. Hence if carried to its logical conclusion general reciprocity could only result in general reduction of customs all around the world, and, the circle completed, the result would be universal free trade. Its general application, moreover, would revolutionize our international relations. It would abolish our historic policy of equity to all nations, special privileges to none; it would abrogate the 'most favored nation' treaties; finally it would lead to reprisals, trade wars and all those international entanglements again which Washington particularly warned us.

"'Europe,' said Washington, 'has its own set of primary interests, which to us have none or a very remote relation—so remote, in fact, that we have ignored them in making reciprocity

treaties or other compacts with the rest of the world. But a reciprocity treaty with any nation in the Continental system would flagrantly violate the principles of the farewell address heretofore observed as the cornerstone of our international policy. The pending French treaty, for instance, would admit French goods to our market 20 per cent. cheaper than similar British goods. If similar treaties were made with Germany, Italy, and other Continental rivals of England, British trade with us would be ruined.

"Canada presents to-day the best opportunity in the world for reciprocity. Agriculture there reigns supreme. Her inhabitants need our manufactures, and although only 5,500,000 in number, actually bought from us last year not only as much as as did the 52,000,000 people in Mexico, Central and South America, but \$23,000,000 more. I advocate reciprocity with Canada; not merely a 29 per cent. preferential, but absolute free trade. We should abolish every commercial barrier, wipe out every protective tariff, and the loss to our home markets would be made up a thousandfold in the enormous growth of our Canadian commerce.

"With Cuba our relations are sui generis. She is our political ward, but guaranteed practical independence by the Teller resolution. President Roosevelt declared in his annual message that Congress is 'bound by every consideration of honor and expediency to pass commercial measures in

the interest of her (Cuba's) well-being.' These considerations arise under the Teller resolution and Platt amendment. Congress should heed the President's advice and enact immediately such reciprocal trade measures as will discharge our national obligations with the utmost good faith, and yet, in the words of President McKinley, be 'without harm to our industries and labor.' Mr. Gardiner said that the annexation of Cuba was a trade necessity and inevitable.

In conclusion he said: "Such are the momentous issues of the commercial issues of the commercial expansion of the United States. 'But commerce,' said Webster, 'cannot exist without credit. Credit is the vital air of the system,' he added; 'it has done more a thousand times to enrich nations than all the mines of the world.' Hence the supreme importance of this and its allied associations, incorporated bodies of credit men, trustees of a sacred trust, guardians of a priceless treasure, even the commercial credit of a mighty people."

Mark B. Wilber next spoke on the subject of transportation, advocating the improvement of the waterways of the United States as a curb to the power of the railroad corporations. He said that Canada was taking advantage of the lack of facilities for transporting Western and Mississippi products to the seaboard, and was preparing to divert the traffic from its proper course. Mr. Wilber advocated the construction of the proposed 1,000-ton barge canal to bring the

JOHN HALLIDAY & SON

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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, FEBRUARY 6, 1902.**

Name of Article.	Wholesale		
	\$	c.	\$ c.
Drugs & Chemicals			
Acid Carbolic Cryst medi.	0 35	0 40	
Aloes, Cape.	0 16	0 18	
Alum	1 40	1 75	
Borax, xils.	0 04	0 06	
Brom. Potass	0 70	0 80	
Camphor. Ref Rings.	0 00	0 80	
" Refoz. ck.	0 80	0 85	
Citric Acid	0 40	0 45	
Citrate Magnesia lb.	0 25	0 45	
Cocaine Hyd. (oz)	6 00	6 50	
Copperas, per 100 lbs	0 75	0 80	
Cream Tartar	0 20	0 25	
Epsom Salts	1 25	1 75	
Glycerine	0 16	0 20	
Gum Arabic per lb.	0 20	0 40	
" Trag.	0 50	1 00	
Insect Powder lb.	0 25	0 40	
do per keg, lb.	0 22	0 30	
Menthol, lb	5 00	5 50	
Morphia	1 65	1 75	
Oil Peppermint lb.	2 75	2 50	
Oil Lemon.	1 35	1 50	
Opium	3 75	4 00	
Oxalic Acid.	0 06 1/2	0 09	
Phosphorus	0 50	0 75	
Potash Bichromate	0 08	0 10	
Potash Iodide.	3 00	3 40	
Quinine	0 35	0 45	
Strychnine	0 65	0 80	
Tartaric Acid	0 30	0 35	
Licorice.			
Stick, 4, 6, 8, 12, & 16 to lb., 5 lb. boxes.	2 00	0 00	
Acme Licorice Pellets, cans.	2 00	0 00	
Licorice Lozenges, 1 5 lb. cans.	1 50	0 00	
Heavy Chemicals.			
Bleaching Powder.	2 00	3 00	
Blue Vitriol.	4 75	6 75	
Brimstone.	2 00	2 50	
Canstic Soda 60.	2 25	2 50	
" 70.	2 50	2 75	
Soda Ash.	1 25	1 50	
Soda Bicarb.	1 75	2 25	
Sal. Soda.	0 75	0 85	
" Concentrated	1 50	2 00	
Dyestuffs.			
Archil, con.	0 27	0 29	
Cutch.	0 08	0 09	
Ex. Logwood	0 09	0 12	

products from the lakes to New York for shipment. He said that while the other Atlantic ports had increased their traffic from 40 to 150 per cent. New York had stood still.

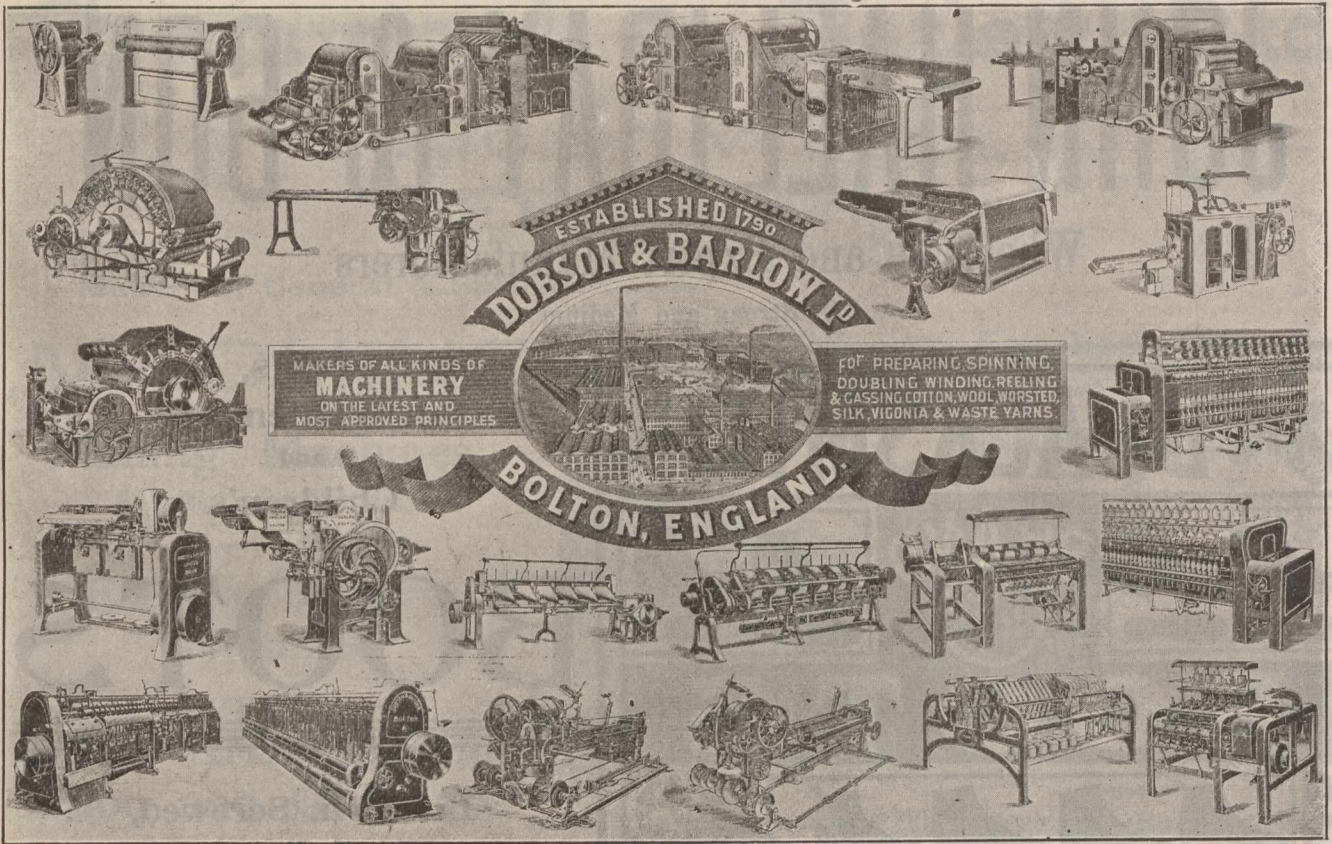
PROGRESS IN CHINA.

At the recent annual banquet of the Baltimore, U.S., Merchants' and Manufacturers' Association, a member of the Hong Kong and Shanghai Banking Corporation gave the following address, which is of much interest as regards the industrial progress of the Far East, and the sort of people the Chinese are at home, as distinguished from that portion we see in the laundry business here:

"In the north of China, there have been in operation for a few years about 500 miles of railway, and although at present most of the railway is under military management, and although it is not situated by any means in the most favorable commercial part of China, yet the present returns show a net profit of 10 per cent. Coal mines are working full blast; passenger traffic is very heavy, and industries of all kinds have been developed in the towns along the route and now the Germans are building railways inland from their colony of Kiachow; Belgians are building a trunk line from Pekin down to Han-

**MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, FEBRUARY 6, 1902.**

Name of Article.	Wholesale.		
	\$	c.	\$ c.
Chip Logwood	1 75	2 50	
Indigo (Bengal)	1 50	1 75	
Indigo Madras	0 70	1 00	
Gambler	0 07 1/2	0 08 1/2	
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.F.	0 00	0 00	
Herrings, Nova Scotia	0 00	5 30	
Mackerel No. 2, brls.	0 00	12 50	
" " 1/4 barrel.	6 00	6 50	
Green Cod, No. 1	0 00	6 00	
Green " large	0 00	7 00	
No. 2	0 00	5 00	
Large dry Gaspe per qntl.	5 00	5 25	
Salmon, brls Lab.	11 50	14 00	
Salmon, (half brls)	0 00	7 00	
" Brit. 50l brls.	11 50	12 00	
Boneless Fish	0 04 1/2	0 00	
" Cod	0 05 1/2	0 66	
Skinless Cod, case	0 00	4 75	
N. S. Salt Herrings, in half-barrels	0 00	3 00	
Salt Lake Trout, half-brls.	0 00	0 00	
Salt Whitefish.	0 00	0 00	
Loch Fyne Herrings, keg.	1 10	1 15	
Flour.			
Winter Wheat patents	4 00	4 10	
Manitoba patents	4 10	4 30	
Straight roller	3 65	3 80	
do bags.	1 75	1 85	
Strong Bakers	3 80	4 00	
Superfine	0 00	0 00	
Rolled Oats	5 40	5 50	
Corn meal, bag.	1 50	1 55	
Bran bulk	19 50	20 00	
Shorts	21 00	23 00	
Moullie	24 00	27 30	
Farm Products.			
Burrus; Choicest Cr.	0 21	0 22	
Winter makes do.	0 19	0 20	
Townships Dairy	0 17	0 20	
2nd Grade	0 00	0 00	
Western	0 14	0 17	
Good to choice	0 13	0 15	
Fresh Rolls	0 16	0 17	



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

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, FEBRUARY 6, 1902.

Name of Article.	Wholesale	
	\$ c.	\$ c.
Farm Products.—Con.		
CHEESE:		
Finest, Oct.....	0 10	0 10½
Eastern, do.....	0 09½	0 10
Quebec.....	0 00	0 00
Eggs: New shipped.....	0 25	0 27
Sel. fall.....	0 21	0 22
Straight fall.....	0 20	0 25
Limed.....	0 19	0 20
Cold storage.....	0 20	0 22
Hens: N. Y. State, per D.....	0 11	0 12
Pacific Coast, ".....	0 14	0 14½
Canadian ".....	0 12½	0 19
German ".....	0 28	0 35
English ".....	0 30	0 00
British Columbia ".....	0 18	0 26
Hog Products:		
Bacon, smoked, per D.....	0 14	0 15
Hams, city cured, ".....	0 12½	0 14½
Pork Cs. s.c. per bbl.....	21 50	22 00
do mess.....	8 50	8 75
Dressed Hogs, light.....	8 25	8 40
" heavy.....	0 11½	0 11½
Lard, per D Can pure.....	0 07½	0 08
" Com. Refined.....		
SUNDRIES:—		
Potatoes, per bag of 90 lbs.....	0 89	0 95
Honey, White Clov., Comb.....	0 10	0 11½
" Extracted.....	0 06½	0 08½
Beeswax.....	0 25	0 30
BEANS: prime.....	1 30	1 40
do. Best hand-picked.....	0 00	1 45
Groceries.		
Canned Goods:		
Lobsters, ¼s to 1 lb.....	1 75	2 25
Sardines, ¼.....	7 00	17 00
Canadian Sardines.....	3 75	4 00
Mackerel.....	1 00	1 10
Salmon, 4 doz. case.....	3 60	5 00
Clams, 1-lb tins, per.....	0 90	1 00
Oysters.....	1 15	1 40
Tomatoes, 3s. per doz.....	0 87½	0 95
Peaches, 2-lb.....	1 65	1 80
" 1-lb.....	2 25	2 50
Pears, 2-lb. tins, per doz.....	1 50	1 60
Strawberries, Pres'd 2s.....	0 00	1 65
Raspberries 2s.....	1 45	1 60
Pineapples, 3-lb tin, p. doz.....	2 30	2 40
Gooseberries Pres. 2 s.....	0 00	1 50
Gr'n Gages, 2-lb. tins, p. d.....	1 30	1 50
Blue Plums, 2 lbs.....	1 00	1 10
Corn, 2 lb. tins.....	0 80	0 85
Peas, 2-lb tins.....	0 82½	0 90
String Beans.....	0 80	0 85
Sugars: Factory.		
Ex Granulated, brls.....	0 00	4 00
Acadia gran'd.....	0 06	2 95
Ex Ground, in brls.....	0 00	4 75
" " in bxs.....	0 00	4 95
Powdered, in brls.....	0 00	4 50
" " boxes.....	0 00	4 65
Paris Lumps, in brls.....	0 00	4 75
" " half brls.....	0 00	4 85
" " 100-lb bxs.....	0 00	4 75
" " 50-lb bxs.....	0 00	4 85
Branded Yellows.....	5 45	8 80

low, and to-day an American company is ready to start on its concession which continues that line from Hankow to Canton, and at the same time an English syndicate is making active preparations to commence building a railway from Shanghai to Soochow and Nanking, so I think we may confidently look forward to seeing China having the advantage of railways through the land before many years are past; and, gentlemen, these railways are not like your great Western enterprises that stretched out into the wild prairies and asked people and traffic to follow them; or like the English ventures into the heart of Africa where the natives don't wear clothes and have few wants that we can supply; but in China you have a teeming population, all working from morning until night, thoroughly commercial and keen traders, and a country wealthy in undeveloped natural resources. When you see Japan, once the most isolated of countries, to-day adopting and most highly appreciating the highest form of Western civilization and science, and the hermit kingdom of Corea preparing to follow, who can doubt that the wall of ignorance and prejudice that has surrounded China must give way.

"The Chinese is a strong and clever race and is full now of clever and enlightened men, which class is daily increasing in number and influence, and I trust that while we are looking for freer intercourse and enlarged trade with China your laws may be amended at least so as to admit the free landing on your shores of Chinese students, merchants and men of education; and in the Philippines especially I hope to see unrestricted intercourse allowed with China, for I feel convinced that the prosperity of

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, FEBRUARY 6, 1902.

Name of Article.	Wholesale	
	\$ c.	\$ c.
Molasses (Barbados).....	0 28	0 29
do brls. & ½s.....	0 31½	0 32½
Evaporated Apples.....	0 09½	0 10½
Raisins:		
Sultanas.....	0 09	0 12
Loose Musc. Malaga.....	0 08½	0 10
Layers, London.....	0 00	1 50
Con. Cluster.....	0 00	2 00
Extra Dessert.....	0 00	2 75
Royal Bucking'm.....	0 00	3 25
Valencia.....	0 05	0 06
" Selected.....	0 06	0 06½
" Layers.....	0 06½	0 07
Currants, Provincials.....	0 00	0 05
Filiatras.....	0 00	0 06½
Patras.....	0 00	0 00
Vostizzas.....	0 00	0 07
Prunes, Cal.....	0 07	0 09½
do French.....	0 04	0 05
Figs in bags.....	0 03½	0 00
" new layers.....	0 08	0 13
Baking Soda, 112 lb. keg.....	0 00	1 70
Spices: Cassia.....	0 12	0 15
Mace..... chests	0 90	1 30
Cloves.....	C 15	0 16
Nutmegs.....	0 35	1 00
Jamaica ginger, bl.....	0 08	0 15
" unbl.....	0 07	0 14
African ".....	0 08	0 10
Pimento.....	0 10	0 12
Pepper, Black.....	0 17	0 19
" White.....	0 25	0 27
Mustard, 4 lb jar, Eng.....	0 72	0 75
" 1 lb.....	0 23	0 25½
Rice, C.C.....	0 00	3 00
" standard B.....	0 00	3 10
" Patna..... 100 lb.....	4 12½	4 62½
" Burmah.....	4 00	4 10
" Crystal Japan.....	5 00	5 10½
" Carolina..... 100 lb.....	6 60	7 60½
Pot Barley, bag 48 lbs.....	0 00	2 20
Pearl " per lb.....	0 03	0 05
Tapioca, Pearl.....	0 00	0 04½
" Flake.....	0 00	0 05
Gelatine, 1 qt pk.....	1 10	0 00
" 1½ qt pk.....	1 75	0 00
Vinegar: less 10 p.c. dis.		
Imp Trip.....	0 33	0 00
Cote D'or.....	0 23	0 00
Crystal Pickling.....	0 23	0 00
W. W. XXX.....	0 25	0 00
W. W. XX.....	0 20	0 00
W. W. X.....	0 17	0 00
Pure Malt.....	0 45	0 00
Cider X.....	0 17	0 00
" XXX.....	0 27	0 00
Hardware.		
Antimony.....	0 09½	0 10
" Block, L & F, 7 lb.....	0 00	0 29
" Straits.....	0 00	0 00
" Strip.....	0 00	0 30
Copper: Ingot.....	C 00	0 00
CUT NAIL SCHEDULE.		
Base Price, per Keg, car lots	2 27½	0 00
Less quantity.....	2 35	0 00
Extras—Over and above 30d, 40d, 50d, 60d and 70d Nails.		

Telegrams: "WATCH, PRESCOT."

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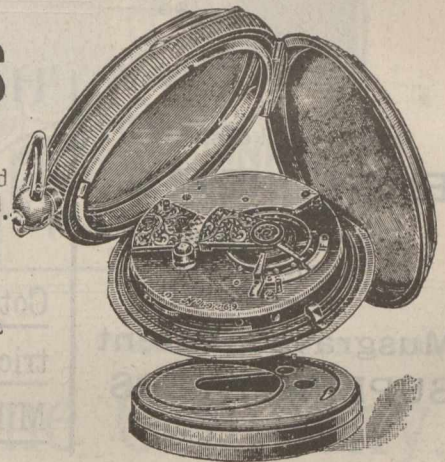
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MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, FEBRUARY 6, 1902.

Name of Article.	Wholesale.	
	\$	c
Hardware.—Con.		
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—		
2d per 100 lbs.	1 00	0 00
3d " " " "	1 50	0 00
Casing, Box, Tobacco Box and		
Flooring Nails—		
20 to 30d per 100 lbs.	0 55	0 00
10 to 16d " " " "	0 60	0 00
8 and 9d " " " "	0 65	0 00
6 and 7d " " " "	0 70	0 00
4 to 5d " " " "	0 95	0 00
3d " " " "	1 20	0 00
2d " " " "	1 50	0 00
Finishing nails—		
3 inch and longer per 100 lbs.	0 60	0 00
2 1/2 and 2 3/4 inch " " " "	0 65	0 00
2 and 2 1/2 " " " "	0 70	0 00
1 1/2 and 1 3/4 " " " "	0 95	0 00
1 1/4 and 1 1/2 " " " "	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
3/8 " " " "	1 50	0 00
Clinch nails—		
3 inch and longer per 100 lbs.	0 60	0 00
2 1/2 and 2 3/4 inch " " " "	0 65	0 00
2 and 2 1/2 " " " "	0 70	0 00
1 1/2 and 1 3/4 " " " "	0 95	0 00
1 1/4 and 1 1/2 " " " "	1 20	0 00
1 " " " "	1 50	0 00
Sharp and flat pressed nails		
3 inch and longer per 100 lbs.	1 35	0 00
2 1/2 and 2 3/4 inch " " " "	1 50	0 00
2 and 2 1/2 " " " "	1 65	0 00
1 1/2 and 1 3/4 " " " "	1 85	0 00
1 1/4 and 1 1/2 " " " "	2 50	0 00
1 " " " "	3 00	0 00
1 " " " "	0 11 1/2	0 00
5 " " " "	0 10	0 00
4 " " " "	0 09 1/2	0 00
3 " " " "	0 09	0 00
1/2 inch " " " "	0 07 1/2	0 00
5-16 " " " "	4 35	0 00
3/8 " " " "	4 25	0 00
7-16 " " " "	4 00	0 00

those islands depends considerably on China, and your most useful ally in opening up your possessions there will be the Chinaman. We are all believers in open doors and equal opportunities for all when we consider our trade with others, but my idea of fair and good trade is not enriching ourselves at the expense of others, but I want also to know that my customer is also prospering. I don't believe in trade that sends steamers out loaded down to the safety line and brings them back in water ballast. If you want to compare results of colonization under the two systems you should inquire into the French colonies in Tonkin as compared with the British colony of Hong Kong. Hong Kong was a barren island fifty years ago and now is the most beautiful, prosperous city in the East, and as a shipping port ranks second only in the world to London. New York, Boston and Baltimore may never settle the question as to which is the "Hub," on this side of the globe, but Hong Kong is the undisputed "Hub" on the other side.

MATURING WHISKEY.

How to mature whisky in a short space of time without destroying its flavor or lessening its quality is a problem that has often in the past engaged the attention of experts. Attempts made to solve it have never

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, FEBRUARY 6, 1902.

Name of Article.	Wholesale.
Coil Chain—No. 1/4	\$ 85 0 00
9-16	3 75 0 00
3/4	3 65 0 00
1/2	3 75 0 00
1 in	3 60 0 00
Galvanized Staples—	
100 lb. box, 1 1/2 to 1 3/4	3 25 0 00
Bright, 1 1/2 to 1 3/4	2 90 0 00
Galvanized Iron:	
Queen's Head, } gauge 28	4 40 4 65
or equal, } gauge 28	4 10 4 35
Comet do 28 gauge	
Iron Horse Shoes:	
No. 2 and larger	0 00 3 50
No. 1 and smaller	0 00 3 75
Bar Iron, per 100 lbs.	1 90 1 95
Car lots	0 00 0 00
Norway, base	0 00 4 25
Am. Sh. S. 1, 6 ft. x 2 1/2 ft., 18	0 00 2 70
" " " 20	0 00 2 95
" " " 22	0 00 3 10
" " " 24	0 00 3 10
" " " 26	0 00 3 20
" " " 28	0 00 3 45
Boiler plates, iron, 1/2 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	3 75
" 80 do	3 80
" 75 do	2 85
Black Iron pipe, 1/2 in | 1 in.	2 72
3/4 in.	2 92
1 in.	3 42
1 1/4 in.	4 85
1 1/2 in.	6 85
2 in.	8 20
per 100 ft. nett.	11 00
Steel, cast p. lb., Blk Diam'd.	0 08 base
" Spring, 100 lbs.	2 75 0 00
" Tire, " " " "	2 90 base
" Sleigh shoe, 100 lbs.	2 10 base
" Toe Calk	2 65
" Machinery	2 75 base
" Harrow Tooth	2 50
Tin Plates:	
IC Coke, 14 x 20	4 25
IC Charcoal, 14 x 20	4 50
IX Charcoal	5 50
IX " " " "	6 50

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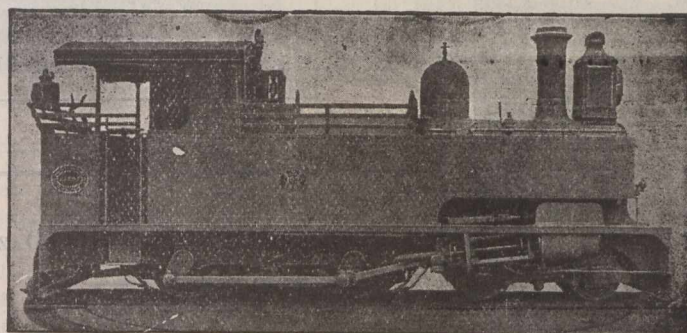
MONTREAL WHOLESALE PRICE CURRENT
 THURSDAY, FEBRUARY 6, 1902.

Name of Article.	Wholesale.	
	\$ c.	¢ c.
Imperial Acme.....	0 18	0 17
American W. W.....	0 18	0 19
Astral.....	0 19	0 20
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. ags.....	0 00	5 87½
do No. 1.....	0 00	5 50
do No. 2.....	0 00	5 2½
do No. 3.....	0 00	4 7½
do No. 4.....	0 00	4 62½
White Lead dry.....	5 50	5 70
Red Lead.....	5 00	5 70
Venetian Red Eng. h.....	1 75	2 60
Yel. Ochre, French.....	1 50	3 25
Whiting, ordinary.....	0 45	0 50
do Gilders.....	0 60	0 70
do Paris, do.....	0 85	1 00
English Cement, cask.....	2 25	2 35
Belgian do.....	1 70	1 95
German do.....	2 30	2 50
American do.....	2 25	2 50
Fire Bricks per 1000.....	16 00	22 00
Fire Clay.....	1 50	1 75
Rosin.....	2 75	4 50
Glue:—		
Domestic Broken Sheet.....	0 13	0 15
French Casks.....	0 11½	0 13
do brls.....	0 00	0 14
American White, pris.....	0 16	0 20
Coopers' Glue.....	0 27	0 28
Golden Ochre.....	0 04	0 4
Brunswick Green.....	0 04	0 10
French Imperial Green.....	0 12	0 14
Genuine Quicksilver.....	0 90	0 95
No. 1 Furnit'g Varn'g, pr. gl.....	0 85	0 70
do do do.....	0 75	1 00
Brown Japan.....	0 60	0 75
Black Japan.....	0 50	0 75
Orange Shellac, No. 1.....	2 00	2 25
do do Pure.....	2 25	2 75
White do.....	2 75	3 00
Putty Bulk 100 lb. brl.....	0 00	2 00
Parlgreen in drum 1 lb pk.....	0 18½	0 19½
Wool.		
Canadian Washed.....	0 12	0 .
North West.....	0 13	0 10
Unwashed.....	0 08	0 00
Pulled, combing.....	0 00	0 00
do super.....	0 00	0 00
do extra.....	0 00	0 21
B. A. Scoured.....	0 25	0 33
Natal.....	0 16	0 16½
Cape, greasy.....	0 13	0 15
Chilian.....	0 11½	0 13
Australian greasy.....	0 16	0 20

proposes to eliminate, but the poisonous aldehydic substance known as furfural, that constitutes the impurity of the amyl alcohol. The furfural, as the professor explained, diminishes in the period that the spirit remains in the cask, but he has found traces of it in whisky 17 years old as well as other aldehydes.

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.

On the subject of his new process—a process, by the way, with which he has been experimenting for some three and a half years — Professor Hewitt said: "I have arrived at the result by adding a certain chemical substance to the 'pot still.' That substance, I may tell you, is phenylhydrazine sulphonate of sodium. This having been added, the aldehydes combine with it, thereby converting it into non-volatile substances that cannot possibly distil over and so contaminate the spirit, the aldehydes being, in fact, removed from the whisky."

In answer to a further question, the professor stated that by his method the spirit was matured in from six months to a year, the additional cost of the process not being more than ½ pence per gallon, while practically no interference occurred with the ordinary method of manufacturing the article. The result, furthermore, was a wholesome whisky, and one preserving at the same time the essential flavor of the beverage.

THE WOMAN AT THE BANK.

The business man who was in a hurry was standing in line at the savings bank, says the Tribune, waiting his turn to deposit. There was only one person ahead of him, and he was congratulating himself upon this good luck. The person ahead was a woman, and when the business man arrived she was just opening negotiations with the receiving teller.

"Now, I want to open accounts," she began, "for some little nieces and nephews of mine. It's for a Christmas present, you know"—confidentially—"and I'm only going to put \$5 in each book. Of course that isn't much, but—" Here the teller endeavored to get down to the business details, but in vain. "If they're real saving, as I want them to be, they'll soon make it more. Lots of rich men started with—"

"Yes, yes, madam," interrupted the teller, in desperation; "of course they did. Now, what are these children's names and ages?"

"Why, there's Fanny, my namesake, she's nine—no, maybe it was eight, her

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

MADE IN LIVERPOOL, ENGLAND.

TRADE PRICE:

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

"Order direct or through your jobber."

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

Special prices to Canadians under the
new Tariff.

ESTABLISHED 1878.

THOMPSON'S PRINTERS
PEARLINE
REGISTERED.

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

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

WORKS:- HIGH COURT LANE, LEEDS

England.

last birthday—what? Oh, her full name? Frances Jane, of course; how stupid of me! And then Johnnie—no, John William, named after an uncle that died—he's six, and just as cute as can be. You wouldn't believe what that child—"

"Yes, I would, madam, but be as brief as possible, and omit everything but business. Are there any more children?"

"Oh, yes; there's the baby, Mildred. She's 10 months old, and I thought she seemed pretty young to have a bank-book all to herself; so I'd like to take one for her and her mother together—her mother's only my brother's sister-in-law, but she's just like an own sister to me. What? I can't do that? Well, that's funny. But you fix it according to the rules, of course."

The business man, who had at first glared savagely at the loquacious depositor, now shifted wearily from one leg to the other, and began to show signs of collapse.

The teller succeeded in extracting the necessary information as to the birthplace of the children, and then inquired in whose names the books

ESTABLISHED 1850. ESTABLISHED 1850.

JOHN SWAILES & SONS, Ltd.
MAKERS OF
All kinds of Conical and Parallel
**PAPER TUBES,
SPOOLS & BOBBINS,**
For Cotton, Silk, Worsted, Woolen, Linen, Flax, Hemp, Jute and Tow Spinners.
Manufacturers, Yarn Dyers, Winders, Doublers, Thread
Manufacturers, &c. &c.

PATENT PAPER PERFORATED & SPECIAL TUBES & SPOOLS
FOR THE TEXTILE AND COTTON TRADING
INDUSTRIES.
CANNETTES, PAPER FIRMS.
Patent Conical and Parallel TUBES and SPOOLS
For Cone Winding, Conical Winding, &c.
OLDEST MAKERS OF PAPER SPOOLS & BLOCKS.
FOR MILL PURPOSES.
COMPRESSED PAPER BOBBINS OF ALL KINDS
FOR MILL PURPOSES.
For Ring, Shuttle, Beam, and Ring Frames, Winding, Twisting,
and other Mill Machinery.
Special WARNING BOBBINS for Exporting Yarns, Twines, &c.
PAPER TAP SLEEVES for Drawers, &c. BRASS & WIRE SPINDLE RINGS.
Sole Makers of SWAILES' PATENT TUBING APPARATUS,
(EITHER PERMANENT OR PORTABLE).
With a complete set of instructions sent to anyone and everywhere, to be
the most Expeditious in drawing Tubes from the Conical
of Mill, Tapping, Ring Frames and other Machinery.
Manchester Royal Exchange | Telegrams "SWAILES, Oldham"
No. 18, Prince Street, | All Communications to be
Telegraphic No. 4, Oldham. | addressed to the Works.

Oldham Cop Tube Works,
MOORHEY, OLDHAM,
ENGLAND.

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

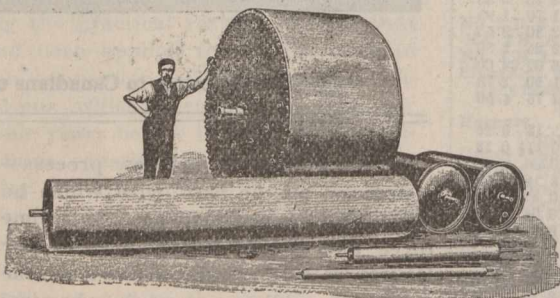
Donovan & Co., Ltd.,

Successors to

J. S. LEACH & Co, Ltd.

*Engineers, Tin and
Copper Smiths.*

Designers of Special
Machinery.



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

D. & S. Electrical Accessories

Circuit Boxes with **Patent Tumbler Switches**

and D. & S. Patent Damper

BRIDGE FUSES

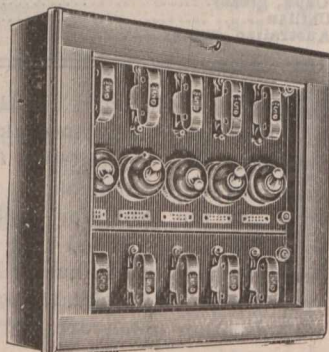
Send for 1901 (Red Cover) Catalogue.

DORMAN & SMITH,

Head Office and Works:

Ordsal Electrical Works, SALFORD, Eng.

London Office: 94, Charing Cross Road, London, W.C., also at 56, Margaret St., Sydney, N.S.W.



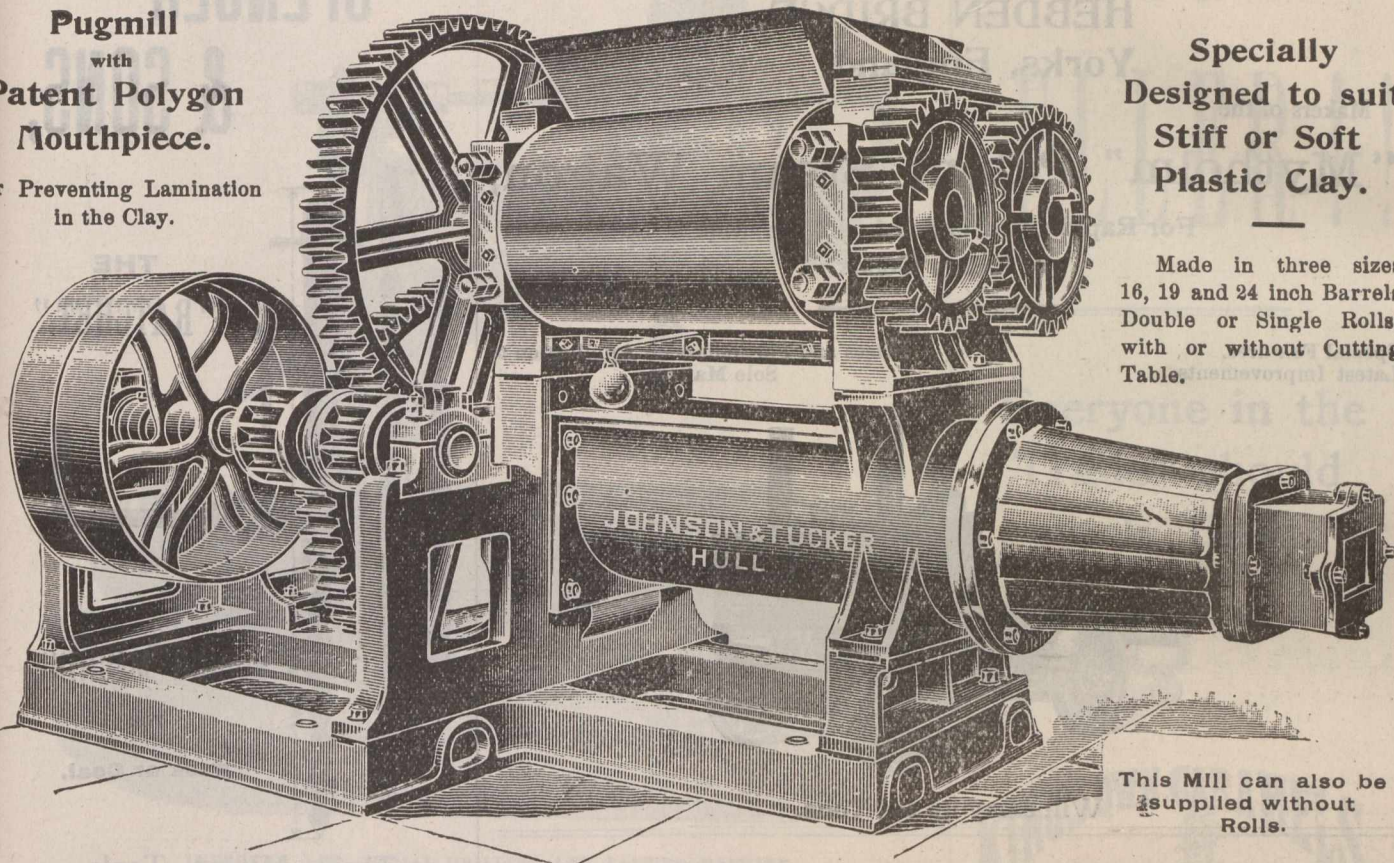
Johnson & Tucker

Wilmington,
Hull, England.

(Late SHEPHERD, HILL & Co.,

Pugmill
with
Patent Polygon
Mouthpiece.

For Preventing Lamination
in the Clay.



Specially
Designed to suit
Stiff or Soft
Plastic Clay.

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

This Mill can also be
supplied without
Rolls.

were to be held in trust for them.

"Will you have it in their mother's name or their father's, or whose?" he asked, shortly.

"Their father's! Mercy sakes!" exclaimed the depositor, energetically. "Why, he's a perfect good-for-nothing scamp, if there ever was one. You couldn't trust him—"

"No, I suppose not," hastened the teller, repenting that unfortunate suggestion. "The mother's, then, I suppose. Her name, age and birthplace, please. Be as quick as you can, madam.

As he finished the entries he turned with a sigh of relief and a look of pity for the business man, who had been waiting so long. But the latter had given up. He was already half a block away from the bank, walking most dejectedly and wiping his brow, like a man who had done a hard day's work.

ACCIDENT INSURANCE EXPERIENCES.

"It's a queer thing, but nothing seems to tempt an honest man to crooked dealing like the possession of an accident policy," said the manager of an insurance company, as he put his feet in the waste-basket and squirmed into a comfortable position.

"It's a fact that a man who prides himself upon his veracity and business integrity will lie like an Ananias when it comes to any dealing with

an accident insurance company. We insure against accidents and most diseases. Rheumatism is on the black-list. All just claims we pay promptly, but the number of 'fake' claims brought by reputable people that we cannot conscientiously pay is amazing. I don't believe anybody any more," declared the insurance man, cynically.

"Here's a claim from a man who says that at 1 o'clock at night he fell downstairs, going up. When a man falls downstairs at that hour I think some suspicions as to his condition are pardonable. He said he had hurt his legs so badly that he was unfit for work. I called at the place where he is employed. He came frisking out like a spring lamb. When he saw who it was he began to limp, and at once was in great pain. He wants two weeks' pay for being disabled, yet he did not lose three days from his business.

"A woman, whose husband ate too many beans and died, presents a claim on the grounds that it was an accident. Here's a letter from a man who broke his leg carrying his mother-in-law upstairs. He says the mother-in-law, one of his little girls and himself all rolled down the steps in a bunch. That claim is legitimate enough, if his dropping of the mother-in-law was accidental.

"The most ridiculous claim I remember was presented by a travelling salesman. He weighed only 114 lbs. and 13 ounces, and his wife weighed something over 260 lbs. They had a

dispute one morning as to who should get up and make the fire. The man finally said he would do it so as to end the argument. He slept next the wall, and to get out had to crawl over his wife as best he could without the aid of a ladder. He was mad, and in flouncing out he caught his foot in the sheet, falling on his head. He fractured his shoulder, was laid up for two or three months, and we had to pay \$400 on his accident policy."

ORE MINES.

The discovery of many new iron ore resources will mark the near future. They are being eagerly sought after, and the success which discoverers have met with during the past few months, especially, insures great developments. As is perhaps well known the independent interests, fearing the movements of the trust in cornering the supply of ore are on the alert. The wealth of mineral resources of the upper lakes is only in the prime of its production. Millions upon millions of dollars will yet be spent in opening up the territory. A number of new ore companies have recently been formed, in addition to all the united wealth that has already been turned in this direction.

There are different shaped iron ore mines just as there are various shaped coal mines. Some iron ore in the Lake Superior districts is found at the sur-

Telegrams:--MYTHOLM MILL,
Hebden Bridge, England.

LIEBERS CODEUSED.

Mytholm Steam Wagon Co.

HEBDEN BRIDGE,
Yorks, England,

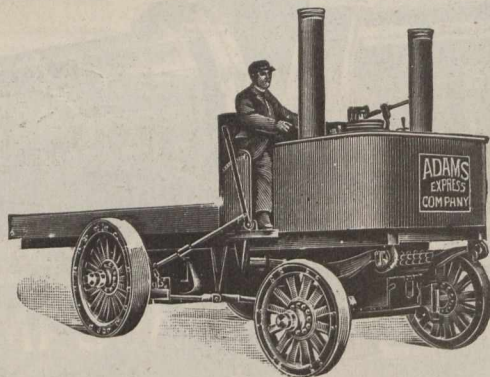
Makers of the

"Mytholm" Patent Steam Wagon,

For Rapid and Economical Transport
of Heavy Goods.

Special Features,
Latest Improvements.

Prices and Particulars on Application to
Sole Makers.



Will carry up to 5 Tons.

face of the ground. Again, it will be found but a few feet beneath the surface. Sometimes it lies beneath a body of water such as a small lake, and to obtain it the lake must be drained. There are mines far underground and sometimes beneath 200 feet of quicksand. At Nagauntee, Mich., the deposit of ore is beneath some 200 feet of quicksand at a point where new mines are shortly to be opened. Here pumps are to be installed that will handle 4,000 gallons a minute. The cost of the land and the opening of the mines here is estimated at \$1,000,000. In some places it this season of the year operations are progressing, but as a rule winter is regarded as an unfavourable time for digging. In the new mining territory of Canada force are now working day and night with the hope that by the opening of navigation there will be a large supply of Canadian iron ore ready for immediate shipment. The industry is so new in Canada that there is little ore on the stock piles. Some of the mines on the American side, which are usually closed, are this winter building stock piles. At Ispeming, for instance, 500 men were employed even after navigation had closed and these men were to handle 2,000 tons of ore per day.

amounted to a little under 10,000 packages, were sold at a slightly lower unit than that of the previous sale. Considering the size of the sale, says the Drug Reporter, the decline was insignificant. For purposes of comparison, we print a cable showing the average units of the sales held during the last two years:

	Dutch Cents 1902.	Dutch Cents 1901.	Dutch Cents 1900.	Dutch Cents 1899.
First	7.50	7.25	8.90	4.70
Second	7.50	10.65	6.70	
Third	9.50	10.05	10.90	
Fourth	10.00	10.10	8.50	
Fifth	10.50	10.35	8.25	
Sixth	9.00	10.80	7.60	
Seventh	7.60	11.75	6.25	
Eighth	8.25	12.25	5.35	
Ninth	7.75	10.90	6.80	
Tenth	7.75	8.00	7.75	

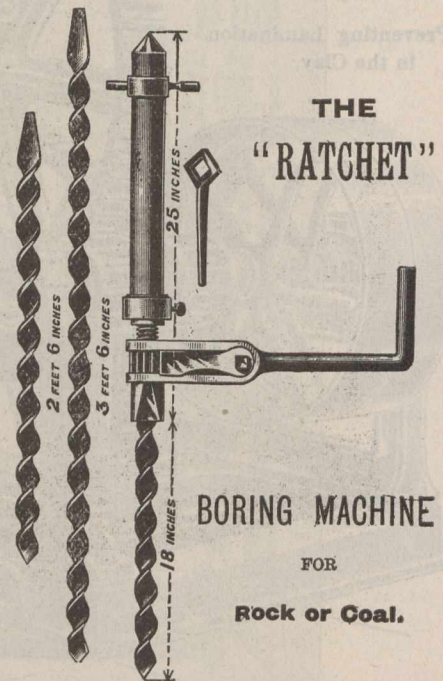
In view of the results noted above, it is not likely that any reduction will be made in the prices of quinine by manufacturers, and the expectation is that large buyers of the salt, who held off pending the result of the Amsterdam bark sales, will now come into the market. Outside holders of quinine, both here and in London, at this writing are adhering firmly to previous quotations.

The auction of Java quinine, which was scheduled to take place at Batavia on January 29, has been postponed until March 5. No reason is given for deferring this sale, which involves about 50,000 ounces, it is said. It will be remembered that the sale of Java quinine, which was to have taken place in January of last year, was also post-

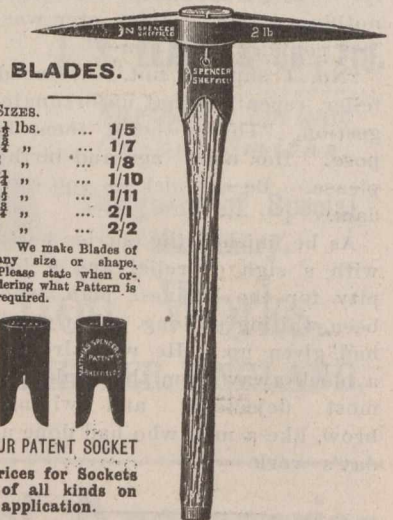
AMSTERDAM CINCHONA BARK SALE.

At the cinchona bark auction at Amsterdam last week, about three-quarters of the total offerings, which

MATTHIAS, SPENCER & SONS,



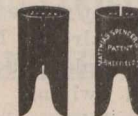
These Mining Tools
are manufactured for
the Canadian Market
under the New Pre-
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favours Canadians.



BLADES.

SIZES.	
1 1/2 lbs.	1/5
1 3/4 "	1/7
2 "	1/8
2 1/4 "	1/10
2 1/2 "	1/11
2 3/4 "	2/1
3 "	2/2

We make Blades of any size or shape. Please state when ordering what Pattern is required.



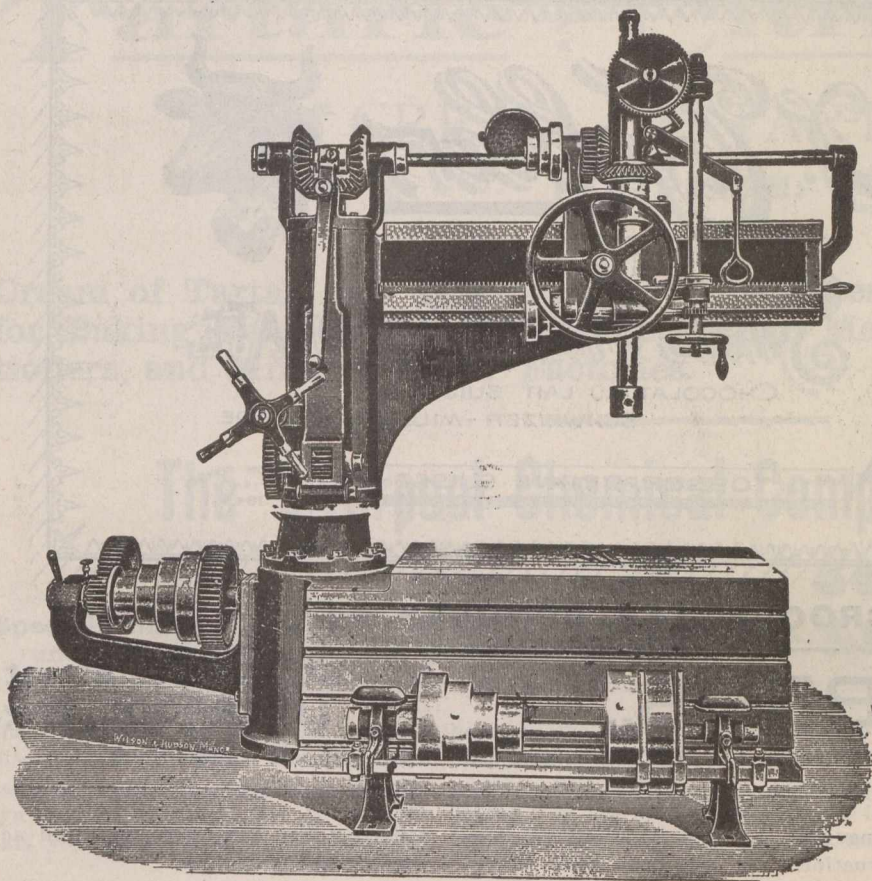
OUR PATENT SOCKET
Prices for Sockets of all kinds on application.

Ratchet Handle charged extra.

Albion
Steel
Works,
SHEFFIELD, ENGLAND.

GEORGE SWIFT,

Claremont Iron Works, HALIFAX, ENGLAND.



IMPROVED 5-FT. RADIAL DRILLING AND TAPPING MACHINE

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

STOCKS AND BONDS—INSURANCE COMPANIES—CANADIAN.—Montreal Quotations Jan. 21, 1902

NAME OF COMPANY.	No. Shares.	Last Dividend per year.	Share par value.	Amount paid per Share.	Canada quotations per ct.
British American Fire and Marine....	15,000	3½-6mos.	350	\$50	99%
Canada Life.....	2,500	5-6mos.	400	50	....
Confederation Life.....	10,000	7½ 6mos.	100	10	....
Western Assurance.....	25,000	5-6mos.	40	20	98%
Guarantee Co. of North America.....	13,372	6	50	50	....

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

Alliance Assur.....	250,000	8s. p.s.	20	2 1-5	9½	10
Atlas.....	24,000	24 p.s.	50	6	27	228
British and Foreign Marine.....	67,000	25	20	4	18½	19½
Caledonian.....	21,500	12s. p.s.	25	5	5	36 7-1
Commercial U. Fire, Life and Marine.	50,000	27½	50	5	44	45
Guardian Fire and Life.....	200,000	9	10	5	9½	5%
Imperial Fire.....	60,000	25	20	5	27	38
Lancashire Fire.....	125,493	5	20	2	3½	3%
Lion Fire.....	100,000	3	3½	1½	5%	3%
London and Lancashire Fire.....	85,100	22	25	2½	17½	16 3/4
London Assurance Corporation.....	35,862	20	25	12½	51½	52½
London & Lancashire Life.....	10,000	10	10	2	8	8½
Liv. & Lon. & Globe Fire and Life...	391,752	90	85.	2	44	45
Northern Fire and Life.....	30,000	*22½	100	10	72	74
North Brit. & Merc. Fire and Life...	110,000	30s. p.s.	25	6½	36	37
Norwich Union Fire.....	11,000	*33½	100	12	102	105
Phoenix Fire.....	53,776	35	50	5	236	237
Royal Insurance Fire and Life.....	125,214	58½	20	10	48½	49½
Sun Fire.....	240,000	8s 6d p. s.	10	10	10	10½
Union.....	45,000	18 p.s.	10	4	12	14

* Excluding periodical cash bonus.

poned. As a result of this action, a better feeling was manifest in the New York and London markets.

REINFORCED CONCRETE.

The discovery of cement is credited to two Englishmen, Parker and Wy-

att, who obtained this product for the first time by the calcination of argillaceous nodules (1795), and since that date it has found innumerable applications in every department in civil engineering. Among these applications of later date, writes Jacques Boyer, in the Engineering Magazine, came the invention, by Leon Coignet, of beton, or concrete, of which he

A BIG SELLER!!

Everyone in the Trade should stock them.



KING'S OWN CARAMELS



Manufactured Solely by The

Lancashire Steam Confectionery Co.,

LIVERPOOL, England.

Special prices to Canadians under the new tariff.

MILK CHOCOLATE.

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



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

MACLURE BROS.,

60 Victoria Street
LIVERPOOL, Eng.

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

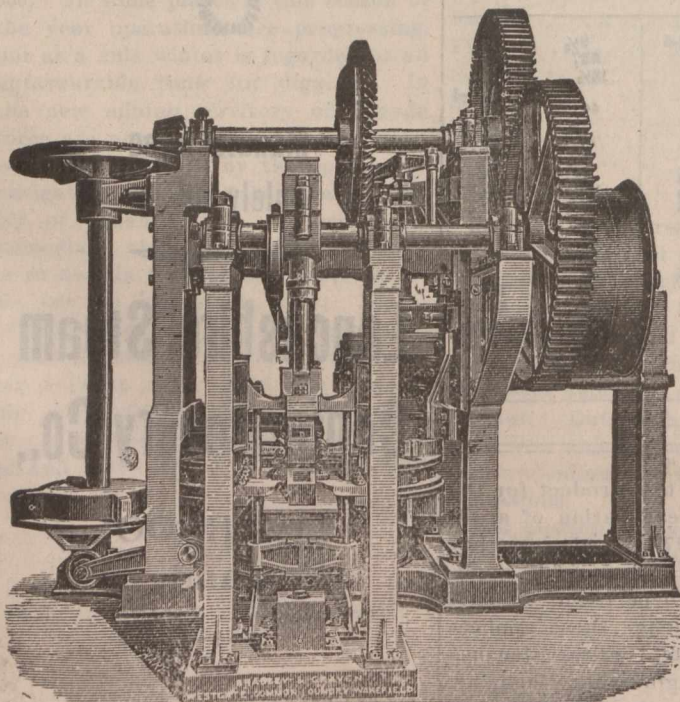
made artificial blocks as hard as natural stone. It has been impossible to discover to whom the engineering profession is indebted for the idea of imbedding a metallic skeleton structure within a mass of hydraulic mortar or concrete, but a boat constructed in this manner was shown at the Paris Exposition of 1855; about the same time Coignet built some dams of iron and concrete, and five years later he applied the method to the construction of floors. These early combinations, however, did not show a satisfactory resistance to tension, and the system was considered too

dangerous for use in building construction. It has been only within the past ten years that practical engineers have undertaken to re-enforce the portions of a structure under tension by members of iron imbedded in concrete, deducing the rational methods of construction now known and included in the general term of re-enforced concrete. Very recently, in consequence of the successful experience of MM. Cottancin, Hennebique and Monier, in France; of Melan, in Austria and Germany, and of Hyatt, Jackson and Ransom in England and America, this method of con-

struction has been welcomed and accepted very generally.

COMMERCE OF NEW YORK.

New York's increasing loss of trade, says a Philadelphia paper, forces business men of that community to get together occasionally to talk over the question of a remedy, though so far the talks have led to no practical steps. At a meeting of produce men recently to consult with the legislative Committee on Canals, a number of members deplored the rapid decline of



Craven's Patent Brick Moulding and Dressing Machines.

BRICK MACHINERY

For Working all kinds of Clay.

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

Double the Strength of any other Machines in the Market.

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

Bradley & Craven,
LIMITED

Westgate Common Foundry, WAKEFIELD, Eng.

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

Telegrams and Cablegrams :
"POTASH."

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

Tartaric AND Citric Acid.

CREAM OF TARTAR.

SALTPETRE.

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

The Liverpool Chemical Company, Limited,

54 Stanley Street,
LIVERPOOL, Eng.

Specially made for the Canadian Market under the new Preferential Tariff.

the city's trade and spoke of railroad discrimination. The presiding officer said that one company in Brooklyn last year loaded 321 ships, and this year only eleven. "New York,"

he said, "is not prosperous. Boston last year shipped twice the corn and wheat exported from New York. The decrease in the exports of the port in the past ten years has been \$32,000,-

000 in its grain shipments alone. The warehouse business has gone to ruin. Ships come here to unload and then go to Boston, Philadelphia, Baltimore and Newport News to load." Another

TELEGRAMS : "LEEDHAM," LEEDS, ENG.

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

LEEDHAM & HEATON, Ltd.,

Armley Road Works,

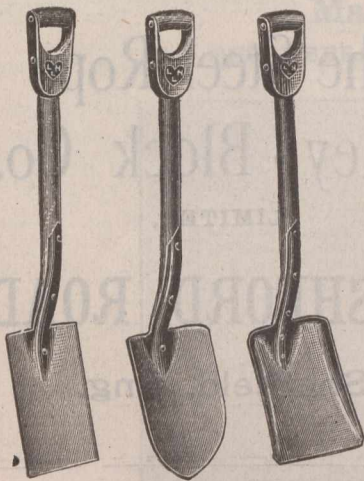
LEEDS, ENGLAND.

MANUFACTURERS OF

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



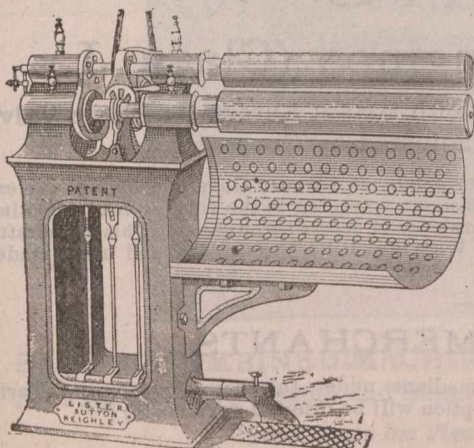
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High Class
Modern

LAUNDRY MACHINERY,

Hand or Steam
Power.

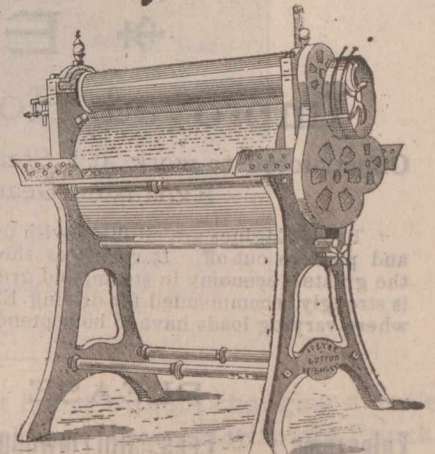


James Lister & Co.,

LAUNDRY
ENGINEERS.

Lister Hill Works,
SUTTON,

Near Keighley, ENG.



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

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

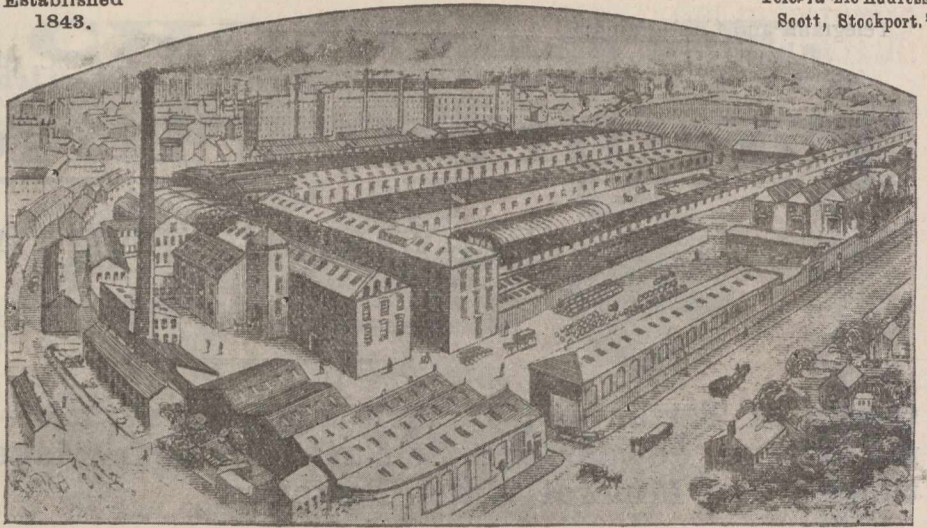
Hanson, Scott & Co., Limited.

HEMP, FLAX AND
JUTE SPINNERS,

Manufacturers of Hemp and Cotton
Twines.

STOCKPORT, - ENGLAND.

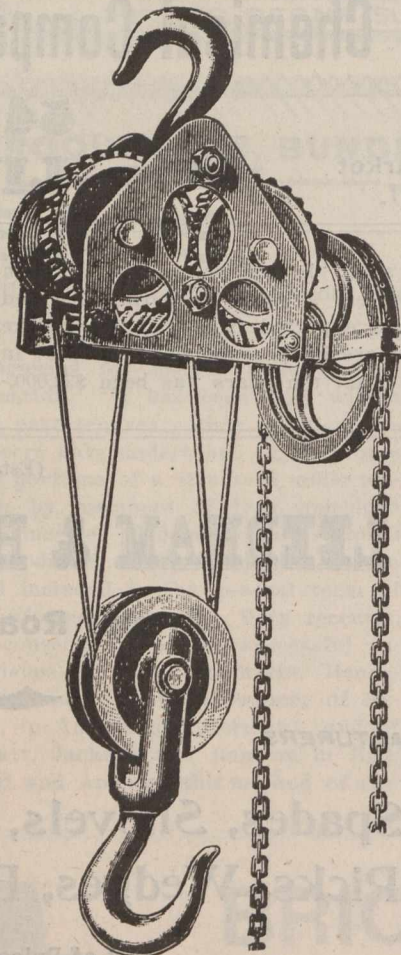
Established
1843.



member called the Erie Canal an unusable ditch, and said that it could be of no service until it should be made large enough for barges of 1,000 tons. It was said that the Canal Committee of the Legislature is not disposed to report in favour of further work on the Erie Canal. Probably the reason for this is that the Republican politicians absorbed a large part of the \$9,000,000 appropriated by the State a few years ago and left the canal in a wretched condition. The traditional remedy of the city for real or alleged railway discrimination is the use of the Erie Canal, but it would take many millions to make the route serve its purpose. The trade outlook for New York seems gloomy.

PEBBLE BALLAST.

Passengers between Providence and Boston are commenting upon an unusual piece of ballasting near Sharon Hill and are wondering whether or not the Consolidated managers are experimenting for the purpose of obtaining a dustless roadbed. The Providence division has a reputation for dust, and the fact that the Consoli-



Lifting Tackle

FOR ALL PURPOSES.

Cranes, Sheave Blocks,
Crabs, Pulley Blocks.

The Steel Rope
Pulley - Block Co.,
LIMITED,
WASHFORD ROAD,
Sheffield, Eng.

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

✦ ENGINEERS ✦

Improved Horizontal Steam Engines (Class J.)

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

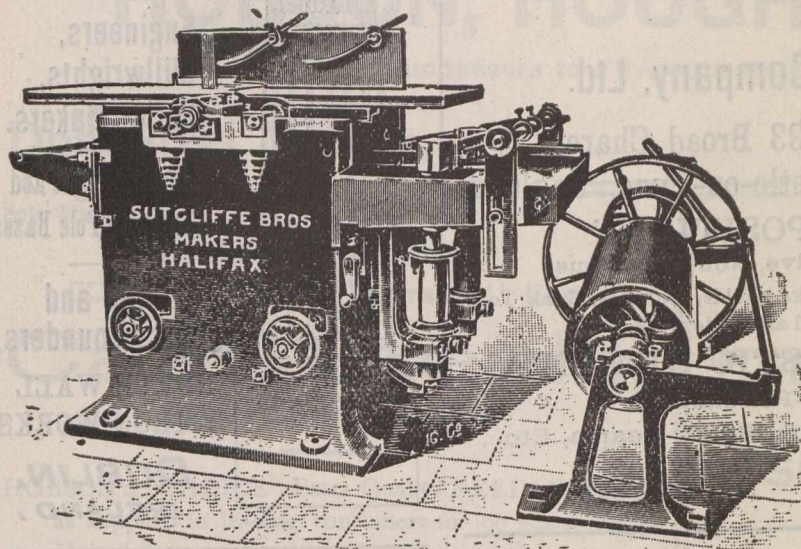
These Engines are all fitted with our patent automatic Cut-off under control of our patent high-speed Governor, giving a clear and positive cut-off. It regulates the Valve with great precision, and supplies the steam according to the varying load, effecting the greatest economy in steam, and great uniformity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

PLEASE INDENT THROUGH MERCHANTS

Telegrams: "LEES, HOLLINWOOD."

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

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



Combined 3-Sided and Planing out of Twist Machine

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

Special prices to Canadians under the new Tariff.

dated had no faith in oil sprinkling led travellers to believe that the company had no intention of abating the nuisance. But this stretch of bal-

lasting, consisting of white pebbles, apparently from the beach, indicates that perhaps in time the Providence division may be as dustless as the oil-

sprinkled roadbed of the Boston and Maine. There appears to be no sand or gravel whatever in the ballasting near Sharon. The pebbles are of

ESTABLISHED 1851.

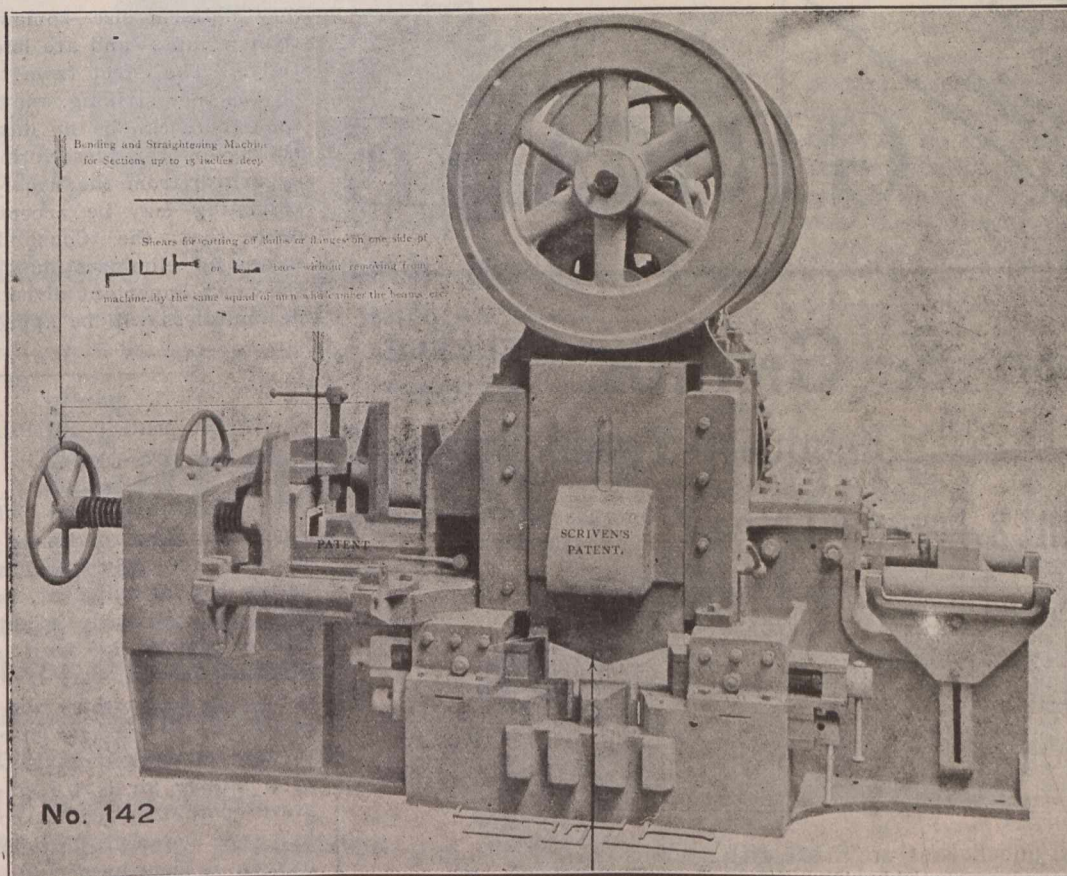
Tel. Address: "SCRIVEN, LEEDS."

SCRIVEN & Co.,

LEEDS.
ENG.

Machine Tools and Hydraulic Machinery,

For ENGINEERS, SHIPBUILDERS, BOILER MAKERS and BRIDGE BUILDERS



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

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

ODIC COMPOSITIONS

MANUFACTURERS:

Odic Plastic Composition Company, Ltd.

33 Broad Chare,

Newcastle-on-Tyne, England.

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



"ODIC COMPOSITION"

Non-Explosive, Non-Poisonous.

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

"ODIC" PLASTIC CEMENT

Non-Poisonous.

For Steam Joints, Boiler Seams, Etc.

AGENTS WANTED IN CANADA.

OIL Lubricating Burning

In Casks, Barrels
or Drums.

Specially Prepared
for Export.

JAMES LIGHT & SON, LIMITED
LIADGO WORKS and 9 Rumford st.,
LIVERPOOL, England.

Cables to
"LIGHTHOUSE."

Cog,

Locomotive,

Antifriction,

Water-Wheel,

GREASE

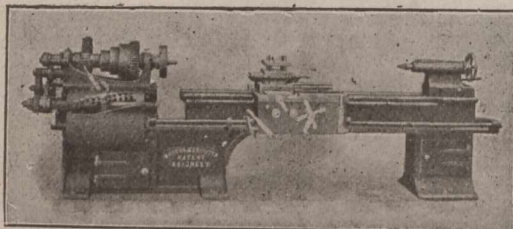
Hudson & Griffith,

FLEECE
STREET,

Keighley, Yorks, England.

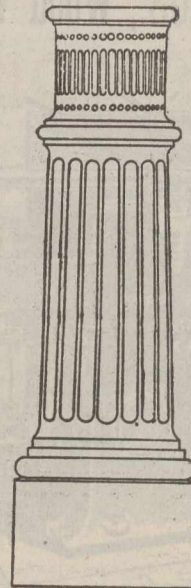
Do you want a Treadle Lathe?

Ours has more Improvements
than any other.



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

Special Terms to Canadians under the New Tariff.



ROSS & WALPOLE

Limited.

Engineers,
Millwrights,
Boiler-Makers.

Electric Light and
Tramway Pole Bases.

Iron and
Brass Founders,

NORTH WALL
IRON WORKS,

DUBLIN,
IRELAND.

MANTELS,
TILES,
MOSAICS,

TRANSOM
and PAVEMENT
PRISMS.

WEBSTER BROS. & PARKES,

228 ST. JAMES ST.,

MONTREAL, Que.

very uniform size—somewhat larger than walnuts—and are laid very carefully. The effect from the car window is very striking, and it is evident that there can be no dust from ballasting of this description. If the departure from the usual practice of ballasting may be accepted as evidence that the Consolidated really means to eliminate dust on one of the most important divisions the public doubtless will be appreciative.

LAWTON FRUIT SHIPPING PROCESS.

The Lawton process of shipping-ripe fruit, the inventor of which system was recently killed while overseeing a trial shipment, is very simple and apparently effective. The ripe or almost ripe fruit is placed in an airtight chamber of suitable dimensions, from which the air is expelled and replaced by gases produced in the following manner: By means of a blower air is forced through a stove containing red-hot coke, whereby, says Ice and Refrigeration, the oxygen is consumed and the germs present destroyed. The gases resulting from this operation are then passed through a simple process of filtration and are cooled before entering the chamber by passing over re-

Established upwards of 100 Years.

New York Office and Warehouse.

HOBSON, HOUGHTON & CO.,

Successors to FRANCIS HOBSON & SON.

Don Steel Works,

Sheffield, Eng.

Sole Manufacturers of

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

Cast Steels,

FOR TOOLS, &c., &c.

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

Specialty for Machine or Hand Drilling.

Steel Forgings And Castings.

Horse Rasps, Files, Etc.

Sole Manufacturers of

"SOHO" Special Self-Hardening Steel

Best and Cheapest on the Market.

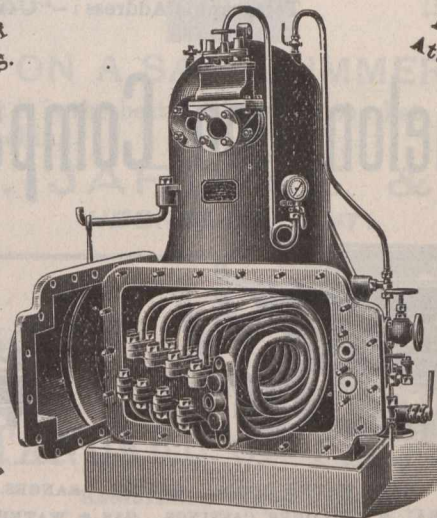
Canadians have 33 $\frac{1}{3}$ p.c., in their favour, by purchasing these
English goods from us, under the new Canadian Preferential
Tariff.

Morison's Radial Evaporator

Fitted in upwards of
2,000 STEAMSHIPS.

Minimum of Labour and
Attention required at sea.

General Hardness and
Facilities for cleaning
UNSURPASSED.



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

frigerating coils. It was asserted
by the inventor that shipments of
ripe tropical fruits could be landed in
Antipodean temperate climates in
perfect condition. The first shipment
was only a partial success, owing it
is said to the leakage of the storage
chambers.

CHANGING CAR GAUGE.

It has been announced that the
traffic on the Trans-Siberian Railroad
is interfered with by the difference
existing between it and the other
roads of Europe. The break of
gauge on the Russian border, says the
Railroad Gazette, is exactly the same
as that which existed for many years
after the war between the Northern
and most of the Southern railroads in
this country. This obstacle to
through traffic was remedied here by

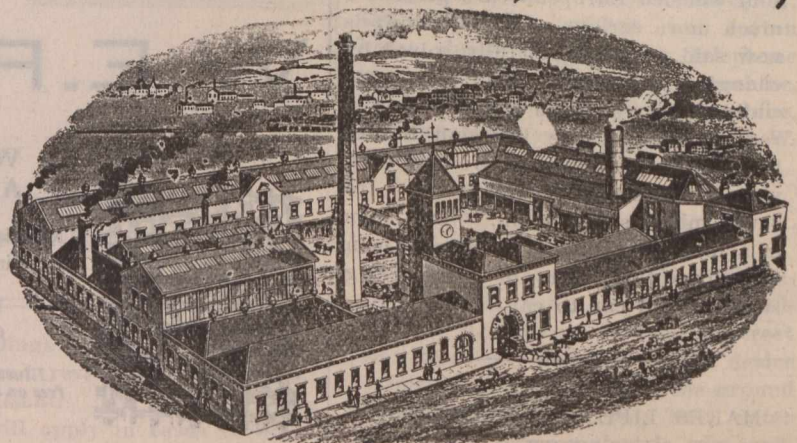
Richardsons, Westgarth & Co., Ltd.,
HARTLEPOOL, ENGLAND

A. Earnshaw & Sons, Ltd.,

MAKERS OF

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

and
Milling Machines

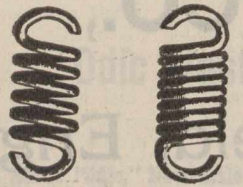


Crown Works,

HALIFAX, ENGL.

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

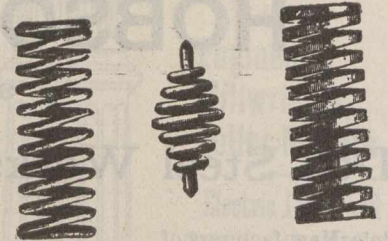
ESTABLISHED 1856.



VALVE SPRINGS.

Joseph Steel & Sons,

MAKERS OF



VALVE SPRINGS.



Spiral Springs,

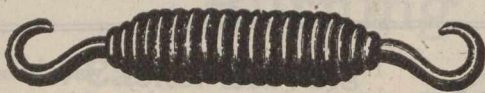


For all Classes of Machinery and Engineering Work.

Harden near BINGLEY, Yorkshire, Eng.

Special terms to Canadians under the new Preferential Tariff

Telegraphic Address, "STEEL, BINGLEY."



Telegraphic Address: "SPIRITS, DUNDEE."

Telegraphic Address:—"CAMELON," FALKIRK.

The Highest Point of Perfection

GEORGE MORTON & CO. DUNDEE
SCOTLAND

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

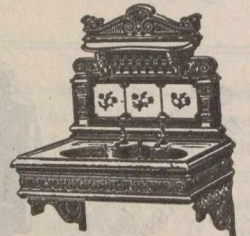
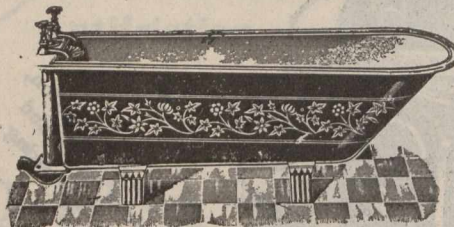
All communications should be addressed to Head Office, Dock St.

transferring the cars from trucks of one gauge to those of another, which was effected with great rapidity. The four-wheeled European cars present a much more serious problem, but it is now said to be successfully solved by changing the axles under cars specially fitted for both gauges. At a recent trial on the Prussian border three different trains of five cars each were transferred in from five to seven minutes per train. Two men in a few minutes save work of 20 men for three full hours in transferring freight from car to car.

MAKES LIFE INSURANCE AN ASSET.

Judge Jenkins, of the United States Court of Appeals has handed down a

The Camelon Iron Company, Ltd.,



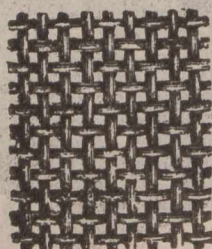
HOT WATER GOODS. RAIN WATER GOODS. GRATES. RANGES. HORTICULTURAL, AGRICULTURAL & BUILDERS' CASTINGS. GAS & WATER PIPES, &C.

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

THE CAMELON CLOSE FIRE KITCHENERS.

W. E. Foggin & Co.,

No. 9 by 9 of 17 g.



WIRE WORKERS AND WEAVERS,

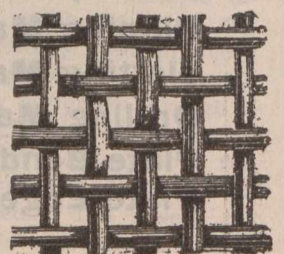
Manufacturers of all kinds of SCREENS for Mining and other purposes . . .

RIDDLES, SIEVES AND GENERAL WIRE WORK.

Illustrated Catalogues and estimates free on application.

ESTABLISHED 1830.

No. 4 by 4 of 11 g.



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

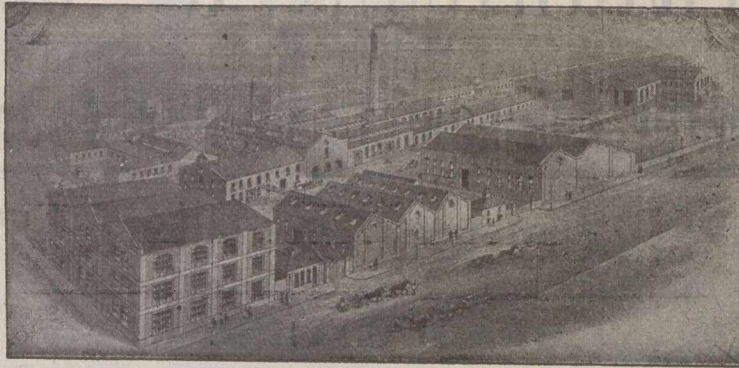
Contractors to the Lords of the Admiralty.

Telegraphic Address: "ROPES, SUNDERLAND."

CRAVEN & SPEEDING BROTHERS,

Hemp Rope Department.

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



Wire Rope Department.

- (COLLIERY SECTION.)
- Special "C" quality Extra Plough Steel Ropes.
- "D" quality Plough Steel Ropes.
- Special "A" quality Patent Improved Steel Wire Ropes.
- "B" quality Patent Improved Steel Wire Ropes.

Wire Rope Department.

- (SHIPPING SECTION.)
- Special Flexible Steel Wire Hawsers and Ropes.
- Extra Special Flexible Steel Wire Hawsers and Ropes.
- B.B. Galvani'd Wire Rigging

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

HEAD OFFICE:

FOREIGN AGENCIES: Hamburg, Antwerp.

Sunderland, England.

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

THIS LITTLE TRADE MARK



ON A SAW GUMMER

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

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

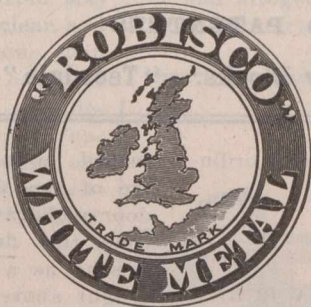
"Robisco" White Metal,

(REGISTERED.)

THE STANDARD OF PERFECTION.

REGISTERED TRADE MARK.

FOR
MARINE,
RAILWAY,
TRAMWAY,
MINING,



ROLLING MILLS,
DYNAMOS
And
GENERAL
MACHINERY
BEARINGS.

PRICES ON APPLICATION.

... SOLE PROPRIETORS

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

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: Door for grain cars, John Flesher; wood pulp press, Joseph S. Hughes; process of forming wood pulp into sheets, Jos. S. Hughes; lamp burner, George A. Smith; newspaper file, William L. Lambkin; machine for unravelling knit goods, L. A. Desy et al. Canada: Carriage off sets for saws, S. Erb; straw cutters, D. A. Stewart; wheel plows, D. McLeod; brush, E. H. Thomas; saw mills, P. Bureau; holders for spittoons, J. Frachette; adjustable cases for packing cheese, J. Zuefle; engines, F. H. Sleeper; cores for gloves, H. T. Arnold; single edging machine, J. D. Caldwell; device for securing corks, C. T. Melvin; window sash hanger, J. Kneen; vegetable loaders, A. E. Gives; lock bolts, E. H. Comber; mowing machine cutters, A. Chanal; temporary binders, V. I. Emerson; saw oilers, W. G. Clements; automatic locking extension ladder, S. T. Waggoner; railway rail joint, J. J. Kirk; means for automatically operating the doors of locomotives, J. E. Lea; combined rubber and cotton horse shoes, T. Mousseau; telephone cabinet, E. W. Smith; gas machine, W. J. Stinson; grain pickling machine, R. Sanderson; carpet stretcher, B. W. Christian.

TO RIP UP THE ASPHALT.

It seems curious, says the Philadelphia Record, that a good sheet of asphalt is no sooner laid on a street than somebody is seized with a desire to bury something down in the ground under that street; it may be a water pipe, a gas pipe or electric wire conduit, but down it must go, and consequently up comes the pavement. Hitherto the hard outer shell has

decision to the effect that insurance policies under the semi-tontine plan become a portion of the assets of the estate of a bankrupt and must be surrendered to the creditors. The decision is rendered in the bankrupt-

cy proceedings of David Welling, of Chicago, and reverses a decision of Judge Kohlsaar. The ruling is a new one and will apply in cases throughout the country, with the result of materially increasing the values of estates of bankrupts.

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

London Office:
5 VICTORIA STREET WESTMINSTER.

HEAD, WRIGHTSON & COMPANY.

(LIMITED)

General Engineers and Iron Founders,

Stockton and Thornaby on Tees, England.

SPECIALITIES.

**Colliery Plant & Mining Machinery,
Blast Furnace and Steel Works Plant,
Bridges, Piers, Roofs.**

**COLUMNS, STANCHIONS, GIRDERS, TANKS,—
Cast Iron or Rivetted. Wrought Iron & Steel.**

**Railway Chairs and Sleepers. Bridge Cylinders, Well Cylinders.
Tunnel Segments, Shaft Tubbing.**

Constructional Iron and Steel Work of every description.

Castings of any weight. Iron and Steel Forgings of all kinds.

ORIGINAL MAKERS AND PATENTEES

"Moore & Head's" Hand Hoists. "Moore's" Patent Pulley Blocks. "Teesdale" Patent Pulley Blocks

been chopped open with axes and and split up with wedges, the chips endangering the passer-by and the asphalt being left in chunks. To accomplish this necessary portion of a city's work, Edward W. Jewett, of Lowell, Mass., has designed a machine which works effectively and leaves the pavement in better condition than if the cutting had been done with the ax. The cutter of the new machine is suspended from a bridge between two forward rollers, and its rise and fall can be regulated by a lever near the engineer. Power is applied to the shaft to revolve the cutters as they are forced downward, and the machine cuts a clean, narrow path through the hard outer shell, giving access to the concrete and earth beneath. The opening in the pavement can be either square or oblong, and by lifting the cutters out of action

the machine may be used as an ordinary street roller.

WILL PREVENT MANY A BURN.

Reaching into an oven after a pie or roast is the cause of many of the painful burns, from which the housewife suffers, and, no matter how careful she is, the accident will happen at intervals. To reduce this danger to a minimum, and at the same time afford the cook the opportunity to inspect the baking with ease, Pembroke D. Harton, of Philadelphia, Pa., has contrived the automatic shelf slide for ovens. The usual shelf is retained, and the improvement consists in the pivoted bar and bracket attached to the inner side of the swinging door. The inner end of the bar is at-

tached to a bolt near the centre of the shelf, and a pull on the door withdraws the shelf at the same time, the flat bar underneath also serving as a partial support for the weight above. Thus it is easy to baste and season a fowl or roast, or the pan may be lifted vertically from the shelf, after a secure grip has been obtained on the handles, and there is small chance of a burn, as it is unnecessary to thrust the hands into the oven at all.

VENICE TURPENTINE.

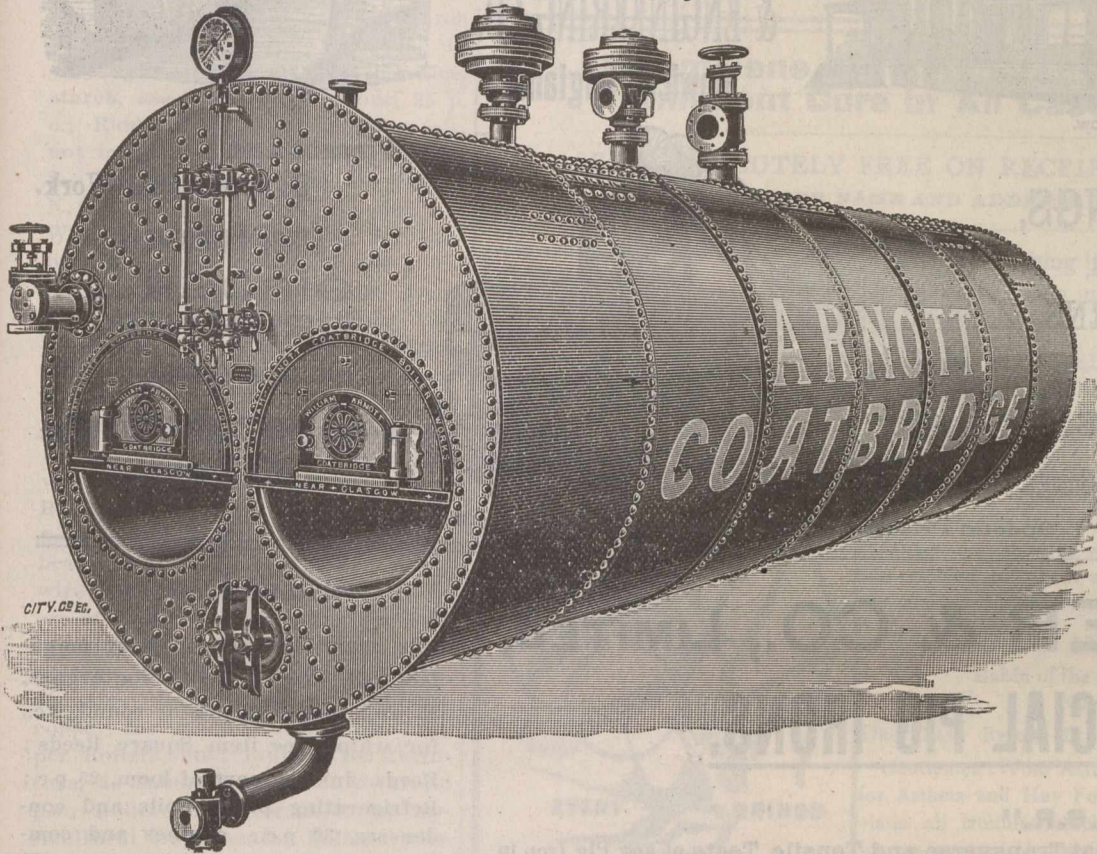
From the trunk of the full-grown larch is procured the substance known by the name of Venice turpentine. This, says the Oil Journal, is a liquid resin found in large cavities, which

ESTABLISHED 1870.

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

High-class LANGASHIRE & CORNISH ... BOILERS

Up to 200 lbs. Daily Working Pressure.



Drilling,
Flanging,
Welding
AND
Rivetting

By most Modern Machinery.

Always a number of

High-class
BOILERS

IN
STOCK

OR IN
PROGRESS.

Productive Capacity —
Three Boilers per week.
Crane Powers—80 Tons.

Contractors to Her Majesty's Government.

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

measure sometimes several inches across, and are situated in the solid wood five or six inches from the heart of the tree. In order to obtain it holes are pierced with augers, and into these holes wooden tubes are inserted, through which the turpentine flows into little buckets suspended at the other end to receive it. The season for collecting it lasts from May to October. It is perfectly clear, and needs no further preparation than straining through a coarse haircloth to free it from impurities. It derives its name from the city of Venice, from which it was formerly exclusively imported. It is used in medicine and for making several kinds of varnish.

FRUIT IN STORAGE A YEAR.

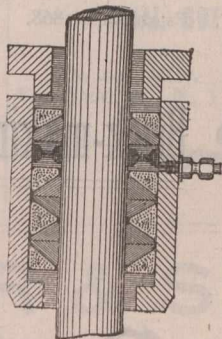
The question is often asked how long can perishable food products be preserved in cold storage? A partial answer to the question is to be found in the recent experiments of the Deputy Minister of Agriculture, Toronto. He recently opened a box of Ben Davis apples which had been put in cold storage in December, 1890. The apples had been wrapped separately in tissue paper and surrounded with excelsior. After being taken out of storage they were shipped from Buffalo to Cobourg, and then to Toronto, arriving in excellent condition, hardly showing a spot.

RUSSIAN MOTOR SLEIGH.

A successful motor sleigh has been constructed by M. Clement J. Charnock, of Sereda, Russia, says the London Mail. M. Charnock has constructed this as an experimental machine, but it has given such excellent results that he intends building larger and altogether more powerful and more comfortable sleighs for use in

Russia. Besides a rear seat a narrow one is placed on the front of the sleigh for the driver, who steers by means of a tiller which is attached to a swivelled runner. A whistle is fitted to the sleigh and the designer says that when it is opened he finds a clear course is quickly made for the little vehicle, which is an object of much interest to the inhabitants of the district.

BY ROYAL LETTERS PATENT.



ADVANTAGES :— Cheapness. Durability. An Absolute tight Gland. Friction reduced to a Minimum. Will last for years. Results guaranteed. No Steel Springs to lose elasticity or break. Any slight leakage allowed for lubrication is returned to condenser by the drain cock. No alteration is required to Stuffing Box. Rods kept like silver.

ADAPTED FOR WATER AND STEAM.

Used at the Sunderland Electric Lighting Station, South Shields Electric Lighting Station, and others with a qualified success.

All Orders will receive Prompt Attention.

THE ...

Harbinger Patent Elastic Metallic Packing Company,

Albany Chambers, 63 King Street,

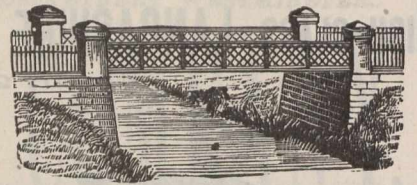
Telegraphic Address: "MICA, SOUTH SHIELDS."

SOUTH SHIELDS, England,



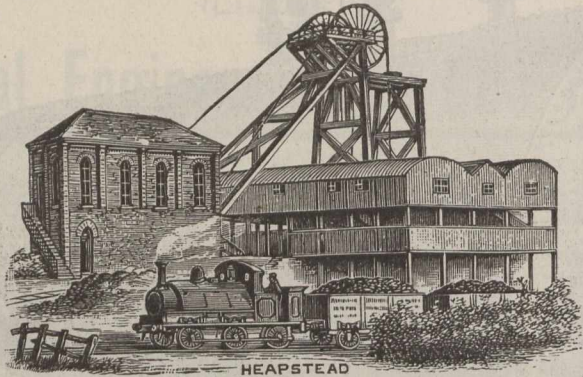
BUNGAL Q.W.

THE ALNWICK FOUNDRY & ENGINEERING CO.,
Alnwick, England,



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

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



HEAPSTEAD

Special Prices to Canadians under the New Tariff.

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

Brand "WARNER C.B.R."

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

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

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

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

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

PIG IRON MADE TO ANY ANALYSIS.

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

CANADIAN CUSTOMS TARIFF.

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

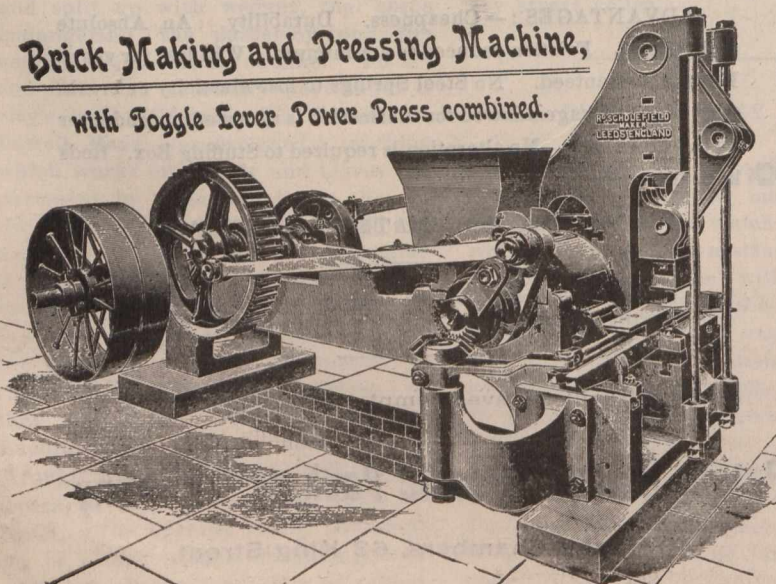
elsewhere specified."

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

(Continued from Page 611.)

Reeds, manufactured or partly manufactured, 15 p.c.; Reeds, for organs, 25 p.c.; Reeds, square or round, &c., for whips, see item Square Reeds; Reeds, finished part of loom, 25 p.c.; Refrigerating plant—Coils and condensers, 30 p.c.; engines and compressors, 25 p.c.; Refrigerators, 30 p.c.; Refuse stone of marble, not sawn, hammered or chiselled, not fit for flagstone, building stone or paving blocks, free; Regulus of antimony, see Antimony; Rennet, raw or prepared, free; Repairs to ships and vessels, see Ships, &c., Repairs to; Resin or rosin, in packages of not less than 100 lbs., free; Resin or rosin oil, free; Resin, other, N.E.S., 20 p.c.; Resorcin, a chemical, see Medicines; Reticules or chatelaine bags, 30 p.c.; Reticules or chatelaine material for, see Frames; Retorts, platinum, see Platinum; Revolvers, see Firearms, 30 p.c.; Rhizones, see Florist Stock; Rhodendrons, 20 p.c.; Rhubarb root, unground, free; Rhubarb root, ground or powdered, 20 p.c.; Ribbons, of all kinds and mate-

Brick Making and Pressing Machine,
with Toggle Lever Power Press combined.



Established 1868.

Telegraphic Address: "Brick, Leeds."

Brick-making & Grinding Machinery

Manufactured by

Richard Scholefield,

ENGINEER .

Burley Vale Mills

Kirkstall Road, LEEDS, Eng.

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Asthmalene Brings Instant Relief and Permanent Cure in All Cases

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Rev. Dr. Morris Wechsler,
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DRS. TAFT BROS. MEDICINE CO.,

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

After having it carefully analyzed, we can state that Asthmalene contains no opium, morphine, chloroform or ether. Very truly yours,
REV. DR. MORRIS WECHSLER.

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

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

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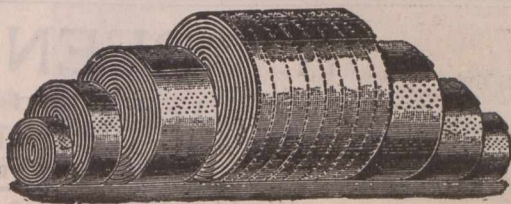
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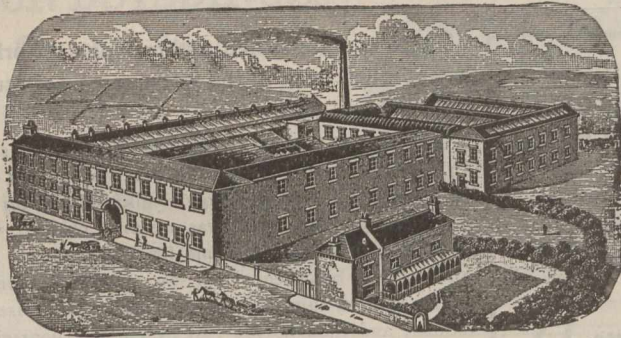
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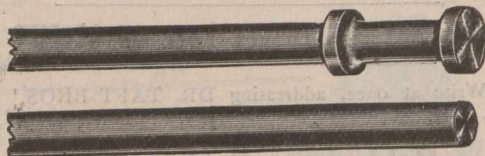
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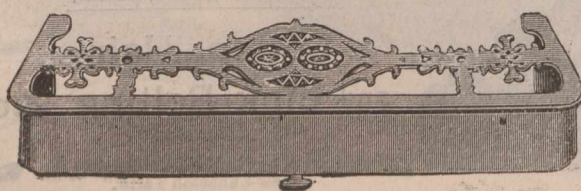


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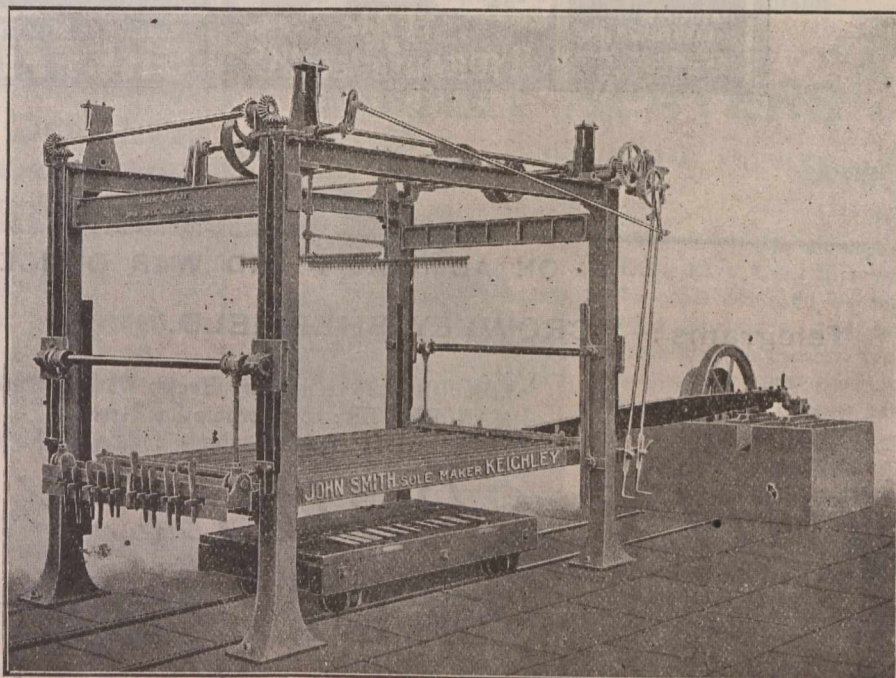
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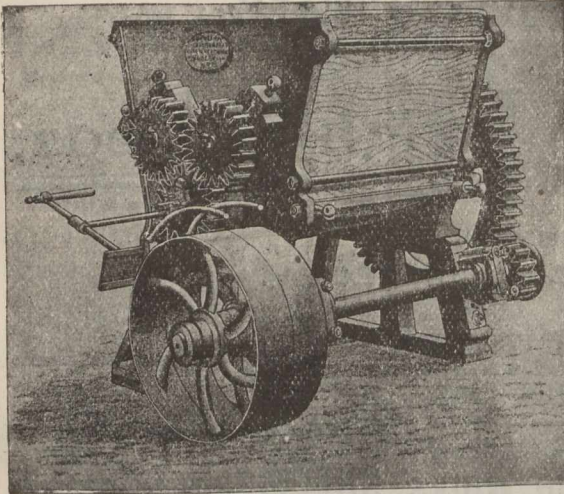
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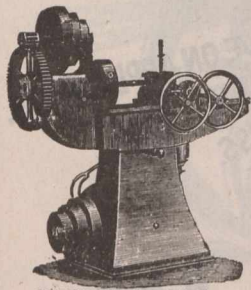
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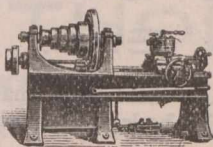


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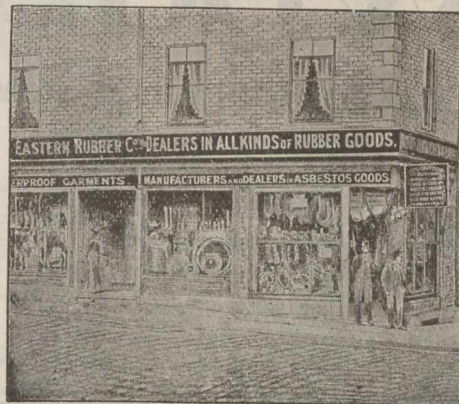
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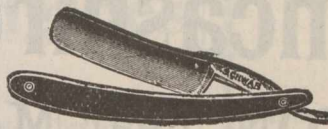
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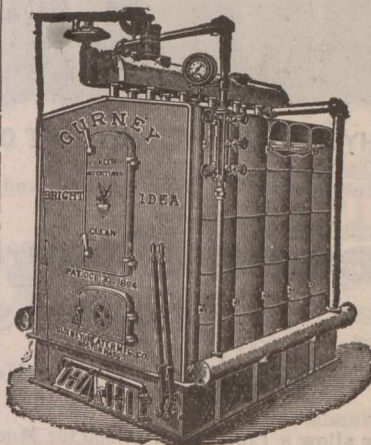
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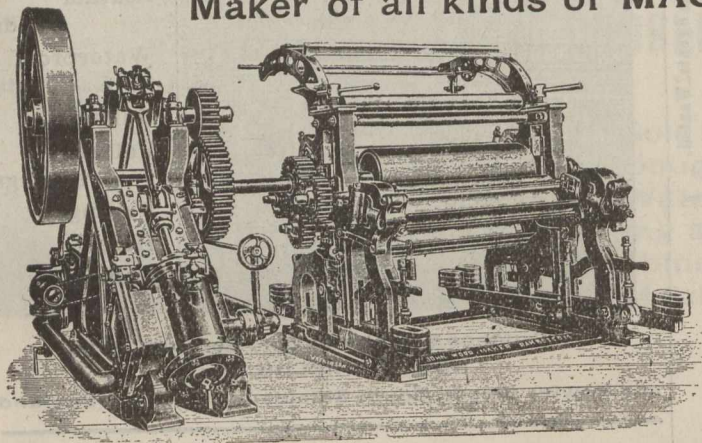
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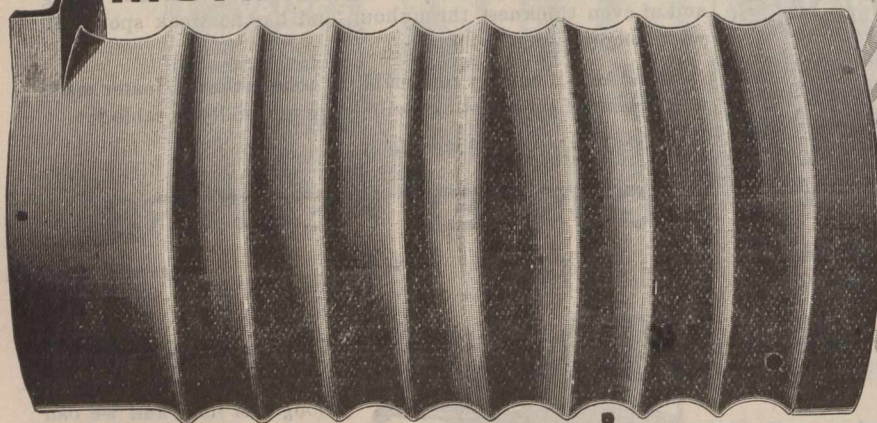
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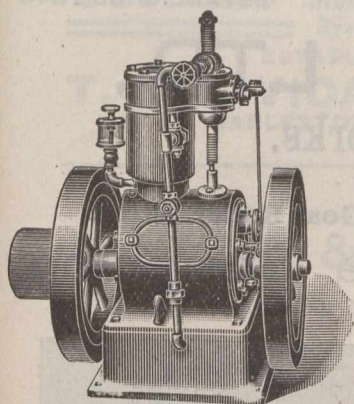
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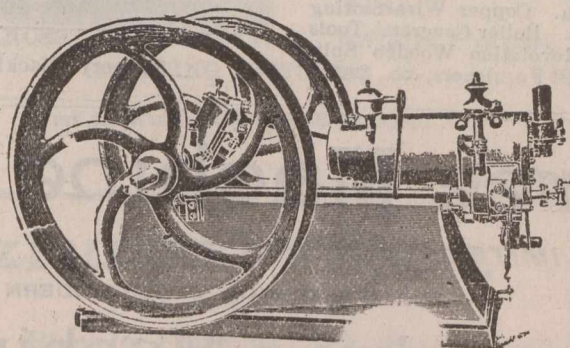
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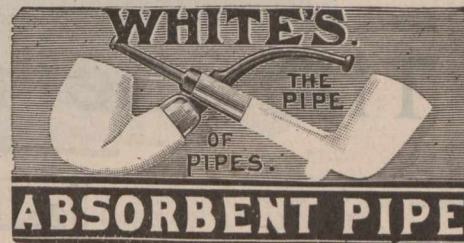
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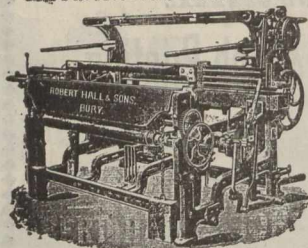
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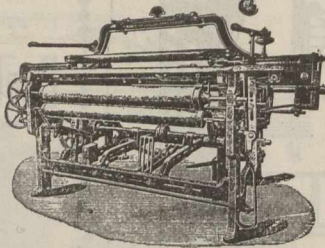
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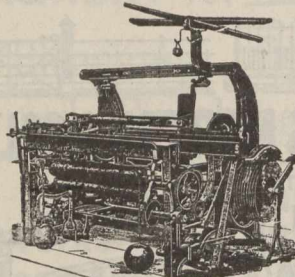
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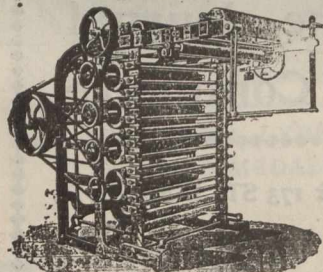
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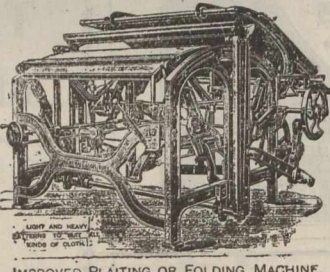
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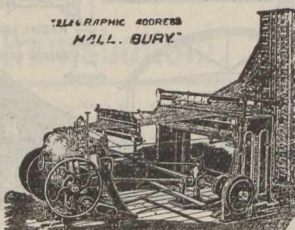
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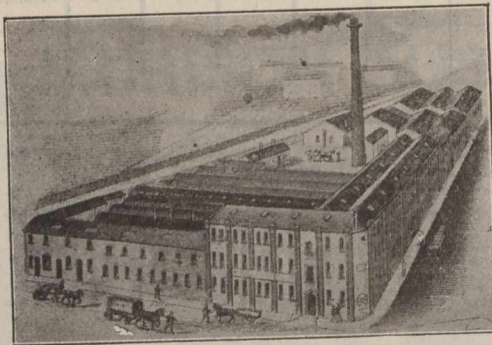
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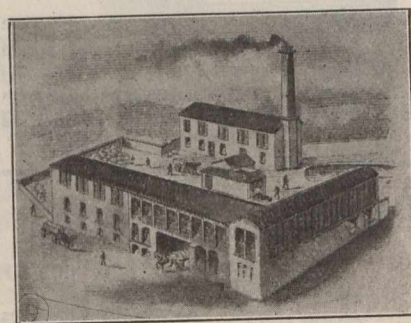
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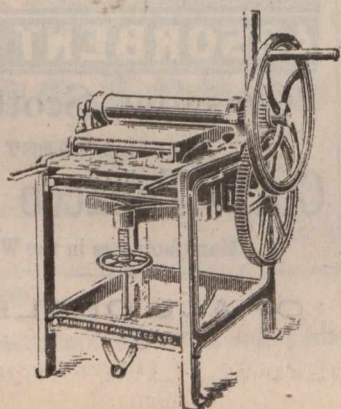
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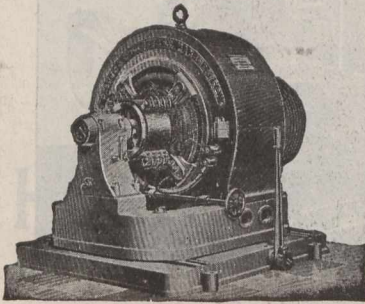
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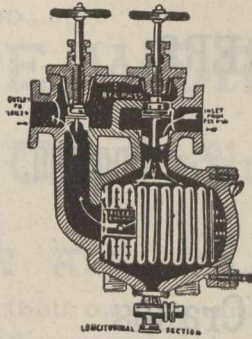
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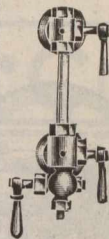
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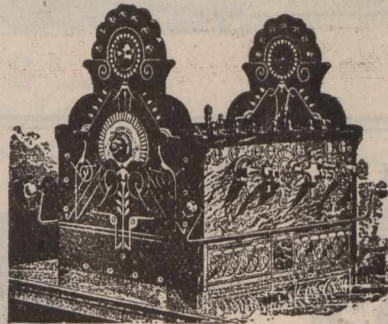
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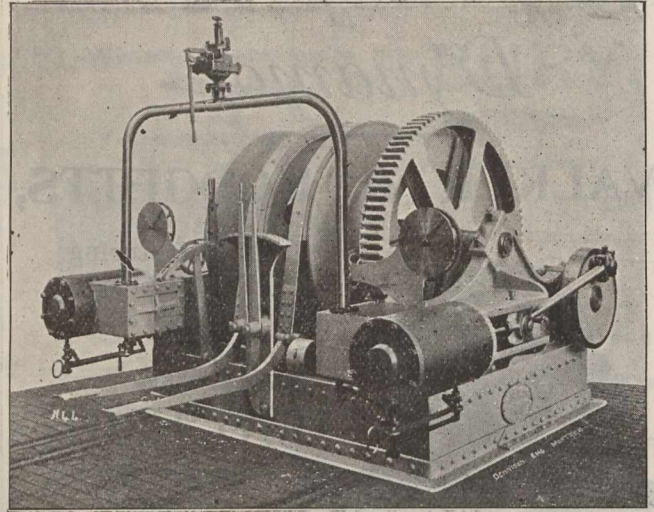
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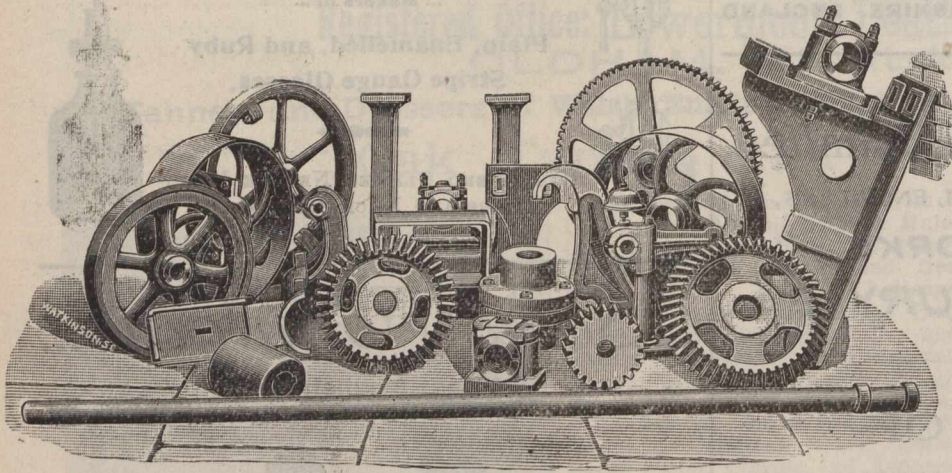
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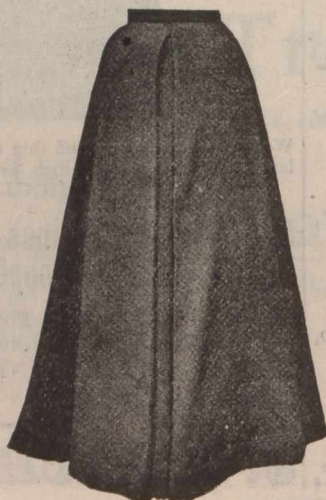


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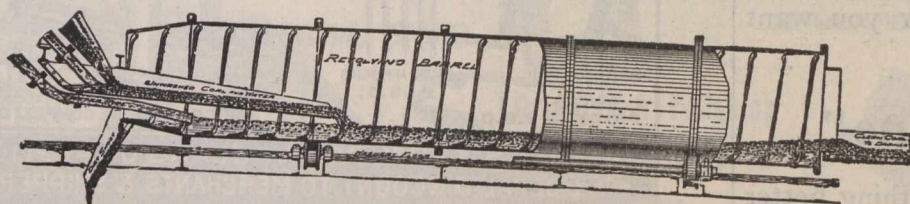
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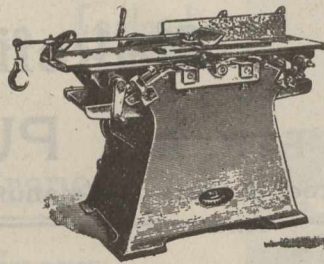
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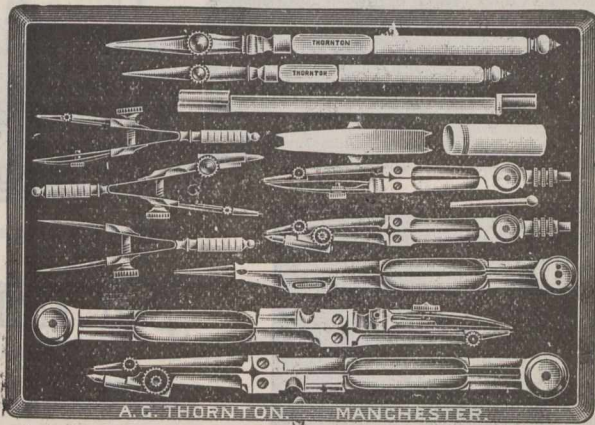
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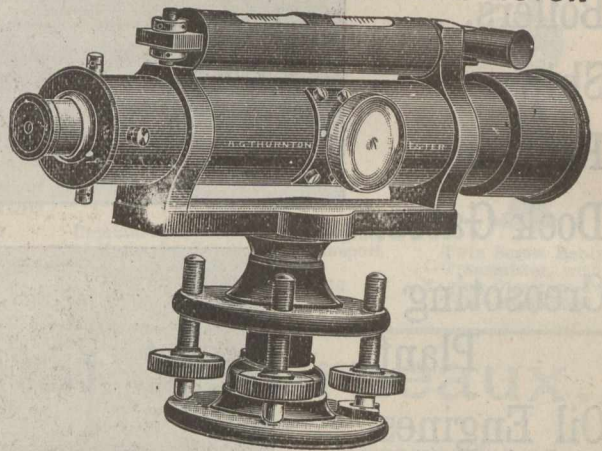
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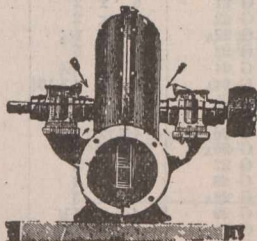
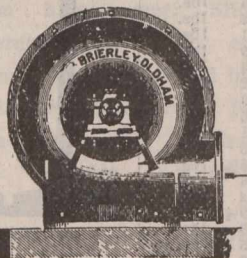
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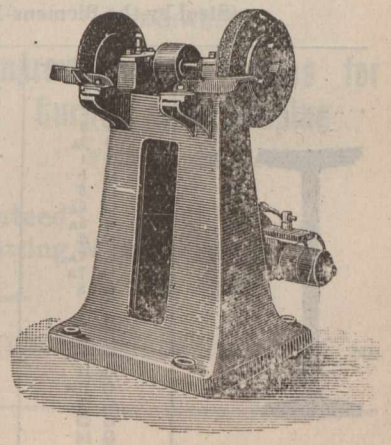
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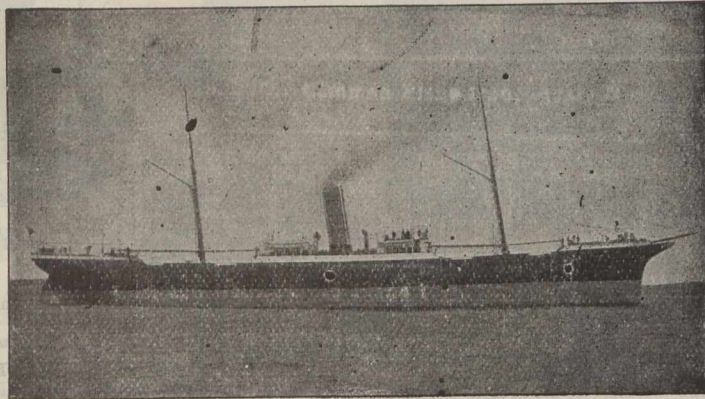
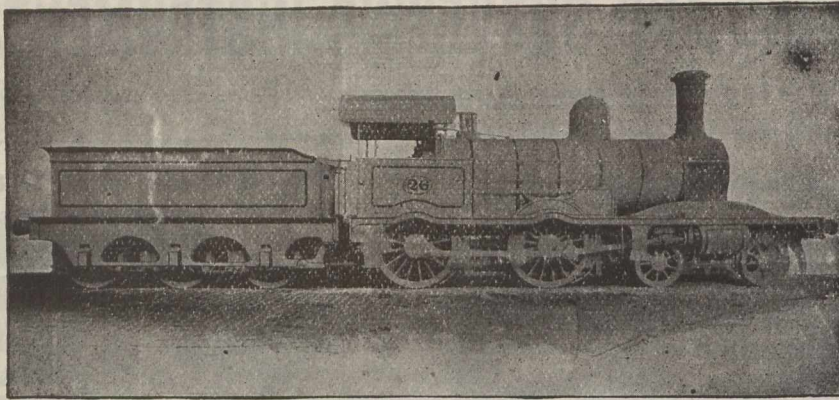
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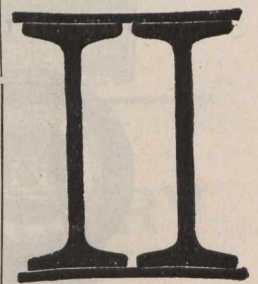
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G 24	5 x 4 1/2	22 lbs.
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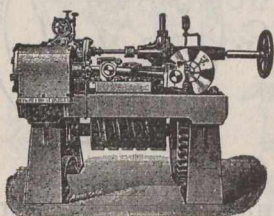
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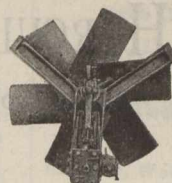


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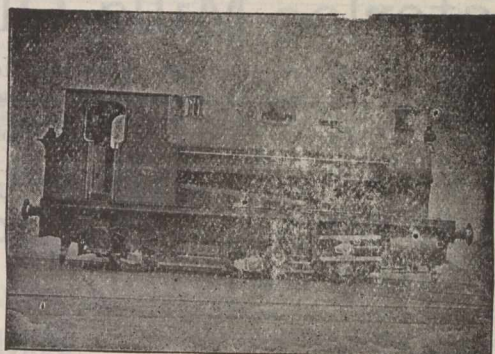
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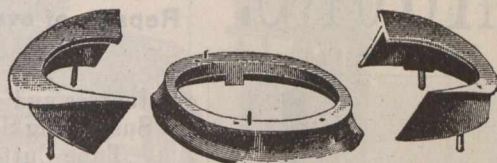
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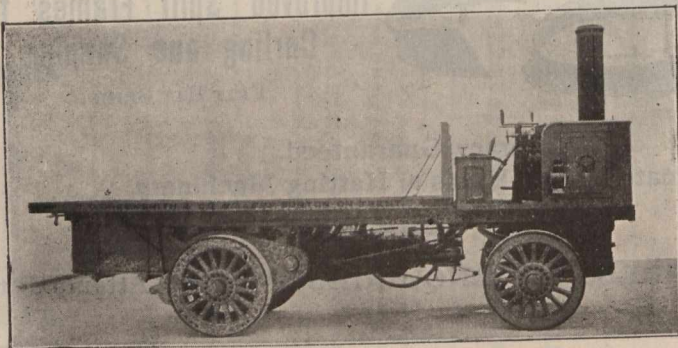
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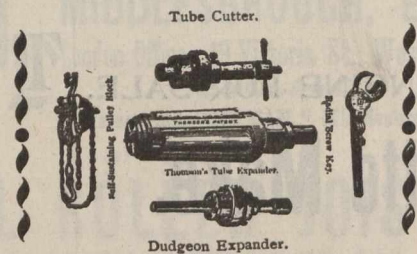
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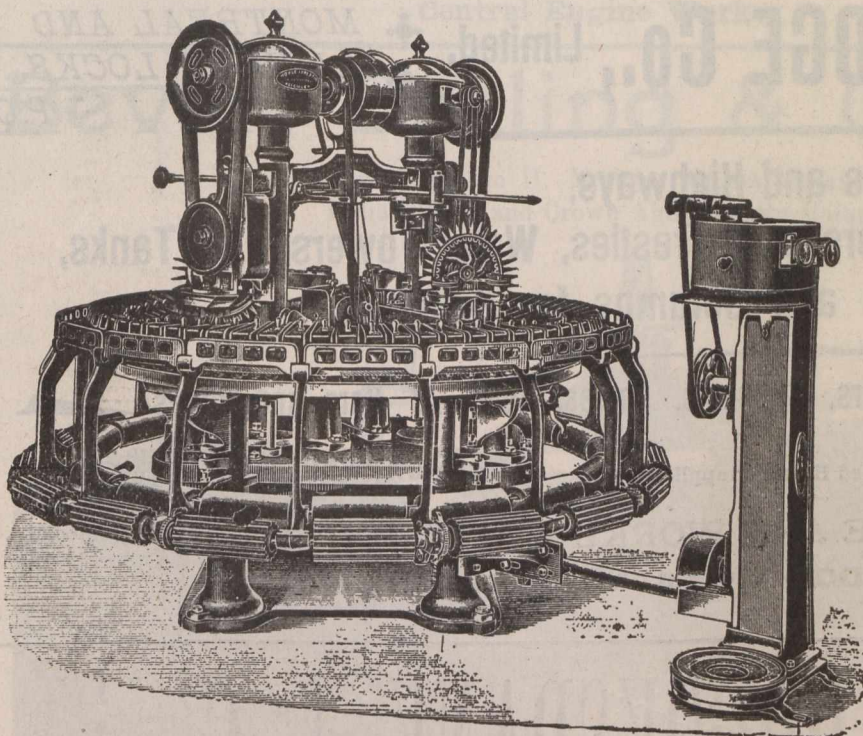
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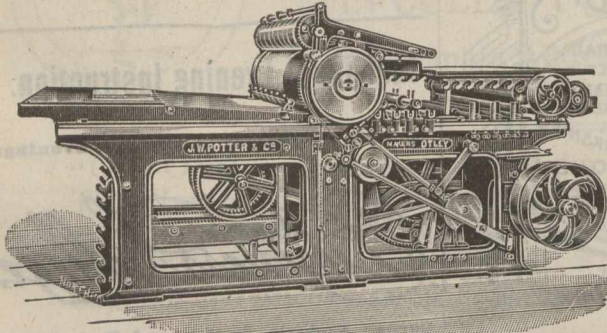
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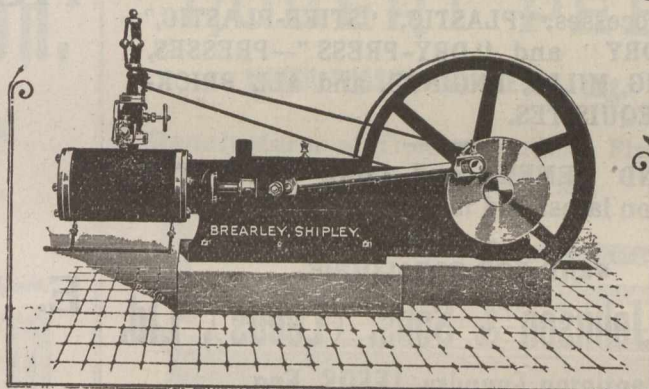
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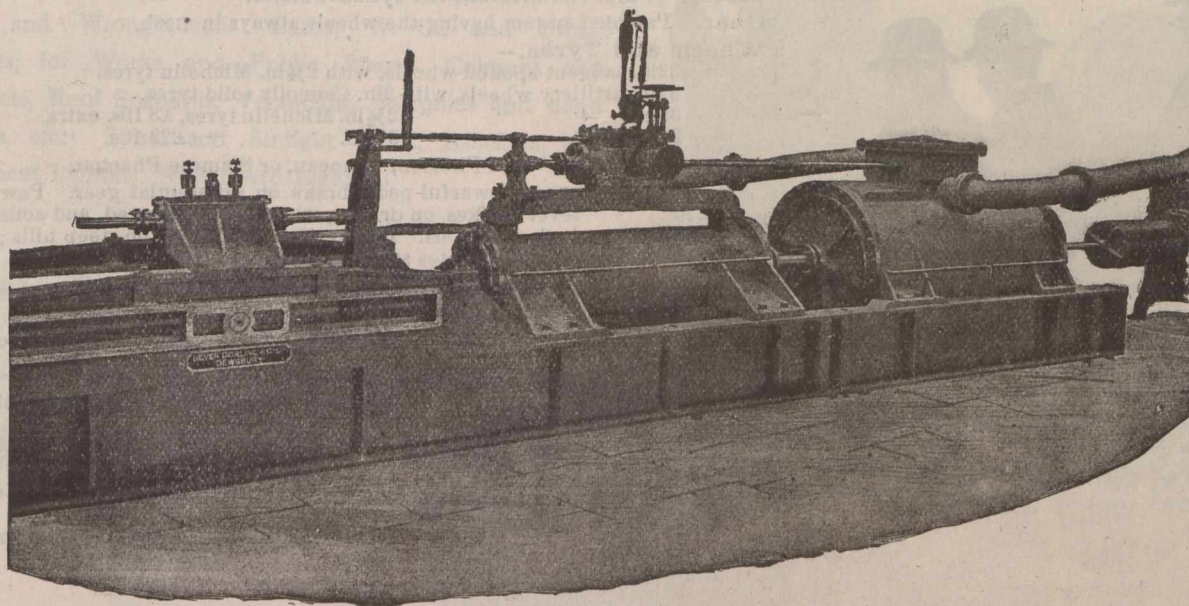
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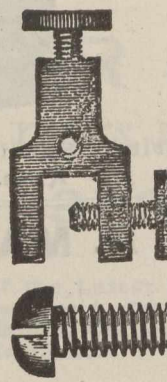
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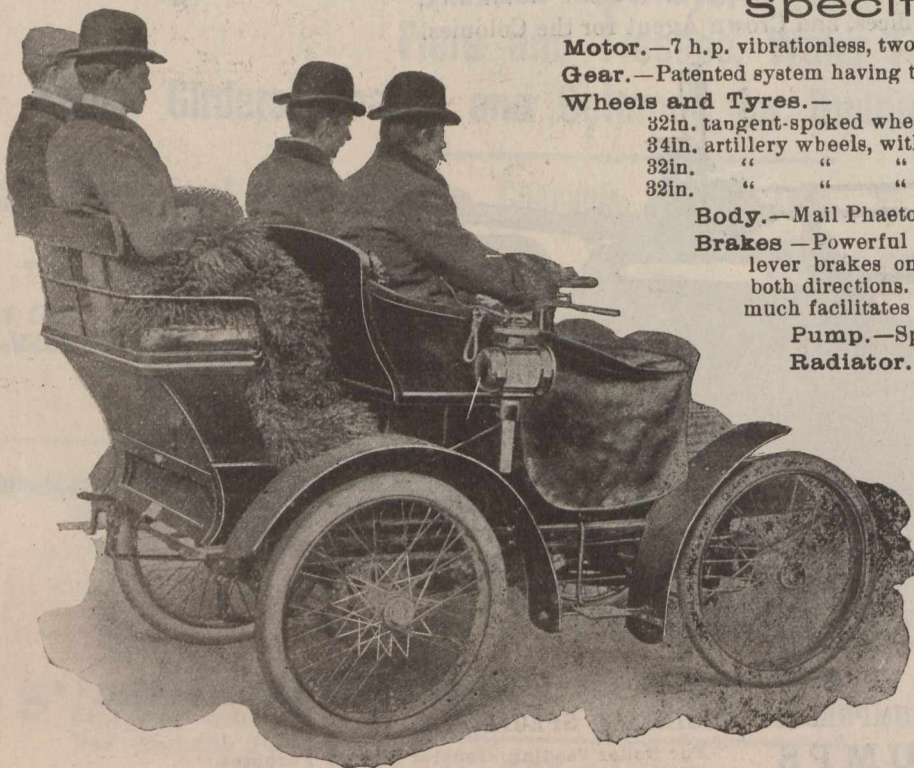
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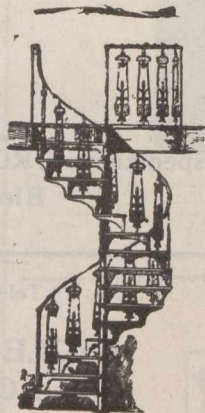
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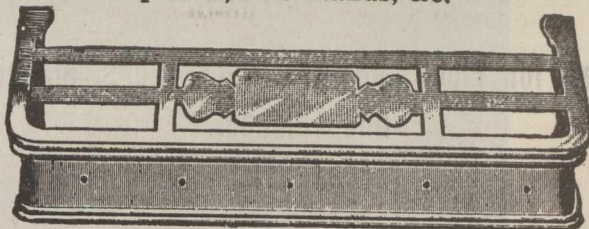
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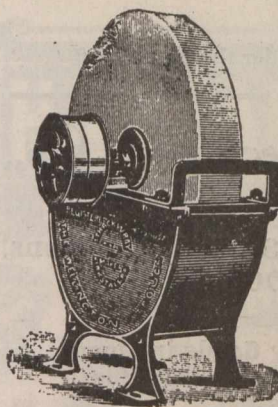
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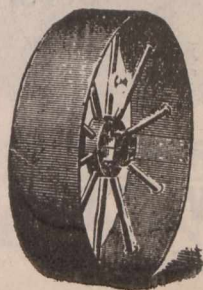


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10	1st M. Bds	113	120
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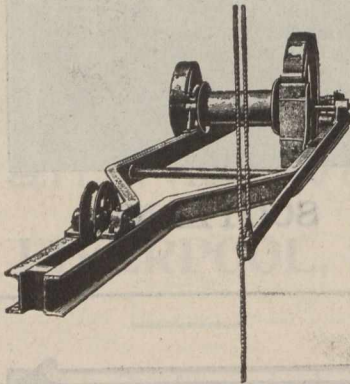
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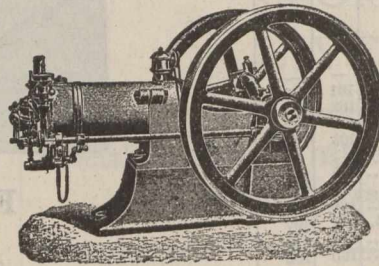
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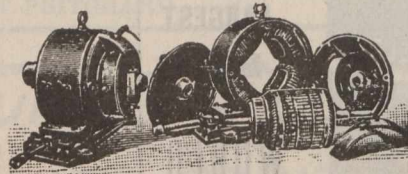
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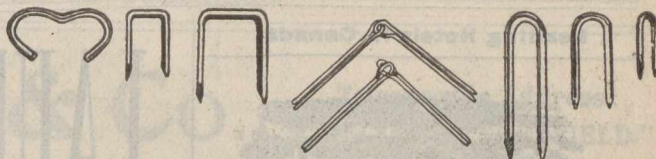
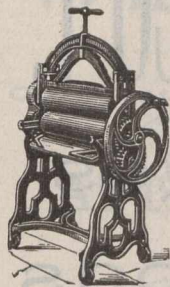
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tagons Ovals, Feather-Edged Convex, Square Edged Convex,
True Half Rounds; Rails—bridge double and single headed flat
bottomed and street; Fish Plates, Fencing Iron, Sleeper Iron,
Bevel Edged Tyre Iron, Channel, Skylight, Bevel and Hollow
Moulding Iron Fire and Screen Bars, Tube Strips, Sash Iron,
Single and Double Grooved Shoe Iron.

Capacity, 2,500 tons of Pig Iron, and 750 tons of Bar Iron, per week.

Brands for Merchant Iron: W. W. & CO. BEST SHOE, THORNABY BEST,
W. W. & CO. BEST, THORNABY BEST BEST, THORNABY, W. W. & CO

Special Terms to Canadians under the New Tariff.

W. Sellers & Sons,

AIREDALE WORK,

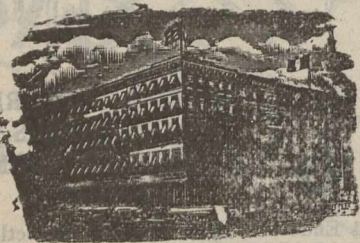
Keighley, Eng.

Established
1854.

MANUFACTURERS
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SEWING MACHINES, KNITTING MACHINES, PATENT WASHING
MACHINES, KNIFE CLEANING MACHINES, CYCLE
AND MOTOR CARS,

Leading Hotels in Canada.



ROSSIN HOUSE, TORONTO, Canada.

A. Nelson, Proprietor.

The proprietor has found necessary owing to the increased patronage of this popular Hotel to increase its capacity by an addition of 75 rooms, elegantly furnished en suite with baths, now ready for occupation. The latest exposed sanitary plumbing has been adopted throughout. THE ROSSIN is admittedly the largest, best appointed and most liberally managed hotel in the Province, having accommodation for 500 guests.

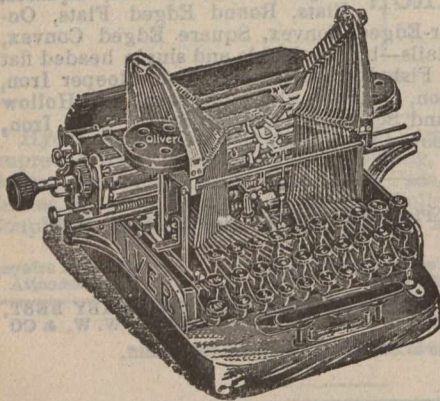
A. NELSON, Proprietor.

**THE RUSSELL,
OTTAWA.**

THE PALACE HOTEL OF CANADA.

This magnificent new Hotel, fitted up in the most modern style, is now re-opened. The Russell contains accommodation for over Four Hundred Guests, with passenger and baggage elevators and commands a splendid view of the City, Parliamentary grounds, river and canal. Visitors to the capital having business with the Government find it most convenient to stop at the Russell, where they can always meet the leading public men. The entire Hotel is supplied with escapes; and in case of fire there would not be any confusion or danger. Every attention paid to Guests.

F. X. ST. JACQUES, Propr.



YOUR ATTENTION!

THE OLIVER . . .

Free Type Bar

Visible Writing

TYPEWRITER.

Price in Canada & United States,

\$95.00

LINOTYPE COMPANY,

**156 St. Antoine Street,
MONTREAL.**

**Manufacturers for
CANADA AND SOUTH AMERICA**

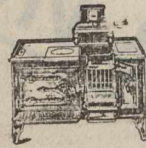
LAURIESTON IRON CO'Y,

Manufacturers of

Registers, Ranges

— AND —

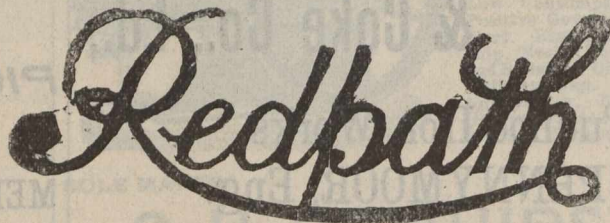
Rain Water Goods,



**Laurieston Foundry,
FALKIRK, - - Scotland.**

THE CANADA SUGAR REFINING CO., Limited, MONTREAL.

Manufacturers of **REFINED SUGARS** of the well-known **Brand**



Of the Highest Quality and Purity, made by the Latest Processes, and the Newest and Best Machinery, not Surpassed anywhere.

LUMP SUGAR, in 50 and 100 lb. boxes.

"CREAM" SUGARS, (not dried).

"CROWN" GRANULATED,

YELLOW SUGARS of all grades and Standards.

Special Brand, the finest which can be made.

SYRUPS of all grades in brls. and half brls.

EXTRA GRANULATED, very Superior Quality.

SOLE MAKERS of high class Syrup in tins, 2 lb. and 8 lb. each.

At the Office of * * *

The "Journal of Commerce"

You can get everything in the line of

JOB PRINTING.

GIVE US A TRIAL ORDER

BOILER SHOP.

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 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.

Having a full outfit of machinery and tools, including Steam Riveter, and men of long experience, it invites comparison of the quality of its work, with any shop in Canada.

ARTHUR KAVANAGH,

Manager,

J. H. FAIRBANK,

Proprietor,

WILLIAM ATKINS & Co., LIMITED.

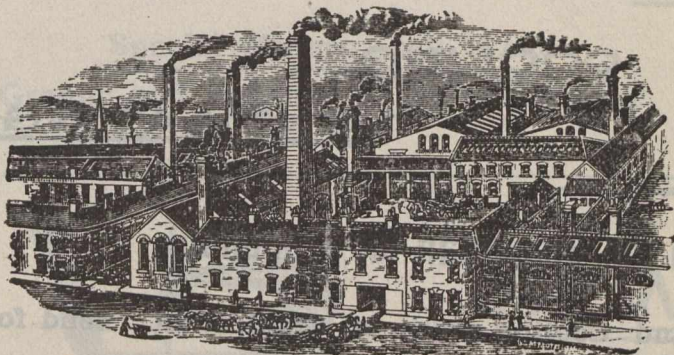
Telegraphic Address :
"RELIANCE, SHEFFIELD."

Corporate Trade Mark.



RELIANCE STEEL WORKS,
ATTERCLIFFE, ——— **Sheffield, England.**

Manufacturers of all kinds of Crucible



CAST STEEL

For Engineers, Shipbuilders, Boilermakers and other purposes.

SPECIAL DRILL STEEL

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

TOOL STEEL

For Turning Chilled Rolls, or any Hard Metals.

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

Special terms to Canadians under the New Tariff.

CHUCKS!

Reside's Improved
2, 3 and 4-jaw



Chucks

For Brass Finishers,
Engineers, &c.

FOR STRENGTH and DURABILITY
Are UNSURPASSED.

Will be sent on approval. Send for Prices.

Reside, Railway Brighthouse.
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NEW EDITION
NEW PLATES THROUGHOUT

Now Added **25,000 NEW WORDS**, Phrases, Etc.

Rich Bindings of 2364 Pages of 5000 Illustrations

Prepared under the supervision of W. T. Harris, Ph.D., LL.D., United States
Commissioner of Education, assisted by a large corps of competent specialists.

*The International was first issued in 1890, succeeding the "Unabridged."
The New Edition of International was issued in Oct., 1900. Get latest and best.*

Also Webster's Collegiate Dictionary with Scottish Glossary, etc.
"First class in quality, second class in size."

Specimen pages, etc., of both books sent on application.

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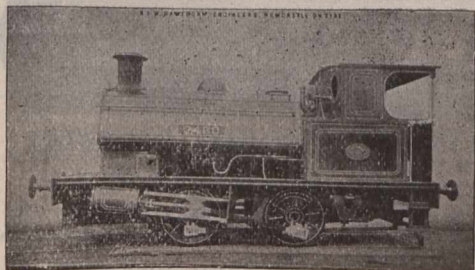
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THE
BEST**

R. & W. Hawthorn, Leslie ... AND Co., Ltd.

NEWCASTLE-ON-TYNE, ENGLAND.

Manufacturers of

LOCOMOTIVES OF EVERY DESCRIPTION

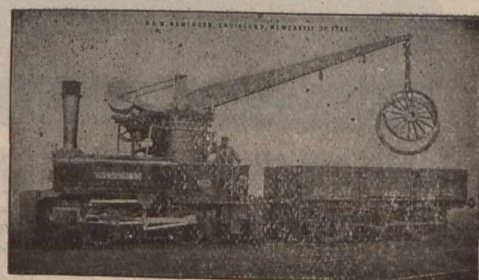


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SPECIFICATIONS
ON APPLICATION.

Standard Classes in Pro-
gress and in Stock.

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Special prices to Canadians under
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SPECIALITIES. Combined Crane and Locomo-
tive, Standard Tank Engines, 4 and 8 wheel coupled.

ENQUIRIES cordially invited which will have prompt and
careful attention.

*** BLACKMAN'S ***

Patent Power Ventilating

*** WHEEL. ***

HEATING.

COOLING.

DRYING.

VENTILATING.

14 Highest Awards Given to the Blackman Air Propellor.

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

MILLER BROS. & TOMS, - Agents, - MONTREAL

JOHN KAY,

Machinist and Mill Furnisher,

Crown Works, Walker St., - ROCHDALE, Eng.

PATENT CONDENSER BOBBIN.



WITH METAL OR WOOD BARRELS

1 3/4" OR 2" IN DIAMETER

Kay's Patent Condenser Bobbins, Patent Oil Cans, Cotton Banding, &c.

Mill Requisites of every Description Supplied.

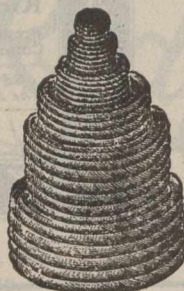
Garnock, Bibby & Co.,

Limited,

Steel Wire and Hemp
Rope Manufacturers,

LIVERPOOL, - ENGLAND,

Contractors to the Admiralty and
War Office.



DRIVING ROPES.

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

ATKINSON BROTHERS, LTD.,

MILTON WORKS and
BRITANNIA STEEL WORKS,

Sheffield, Eng.,

MINERS DRILL STEEL

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

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

... FOR

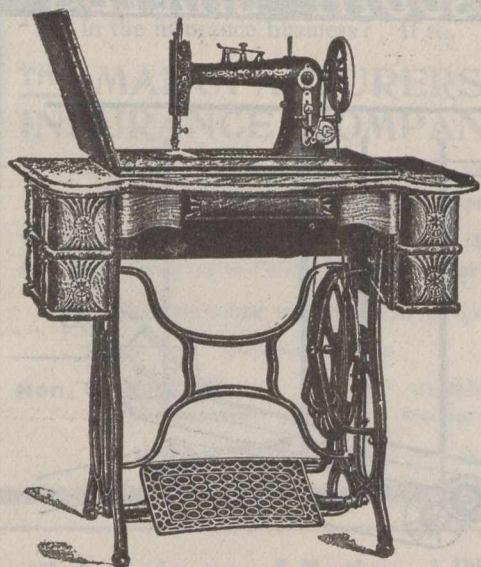
Eclectic Steel Co., Limited,

Princess Street Works,
SHEFFIELD, Eng.

MANUFACTURERS OF
CRUCIBLE CAST STEEL
FOR ALL PURPOSES.

Special Miners Drill Steel
Ground and Polished Steel for Shafting.

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



We make High Grade Family **SEWING MACHINES**

For the Merchant's Trade
Write us for Prices and Terms. We can interest you.

FOLEY & WILLIAMS M'FG. CO.,

Factory and General Office :

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European Office : A2 Southwark Bridge Road, London, Eng. Southern Office : 121-123 W. 5th St., Cincinnati, Ohio. Representatives for the Province of Quebec : H. & J. YOUNG, 111-115 Bridge St., Quebec, P.Q. Representative for Asia and The Phillipines : NEW YORK EXPORT & IMPORT CO., New York City. Representative for Australasia : H. S. CHIPMAN, 54 Margaret St., Sydney, Australia. Representative for Mexico : W. B. ARRINGTON, Guadalajara, Mex. Representative for Yucatan : W. M. JAMES, Merida, Yucatan, Mex.

Contractors to the British Admiralty and India Office.

H. Charlton & Co.,
SOUTH SHORE Rd.

Engineers & Anchor Manufacturers,
Gateshead-on-Tyne, - England.
Telegraphic Address : "CHARLTON HAWKS, GATESHEAD."

YOU WANT **ANCHORS?**

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



YOU WANT **FANS?**

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

Sole Manufacturers of

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

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

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

**Journal of Commerce Job
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ESTABLISHED 1810.

JOHN SPENCER & SONS, L^T D.,

(Works :—At NEWBURN and OUSEBURN, NEWCASTLE-ON-TYNE),
Newburn Steel Works,

NEWCASTLE-ON-TYNE, ENGLAND,

Offices : { Newcastle-on-Tyne : 27 Westgate Road,
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ON ADMIRALTY LIST.

MANUFACTURERS OF STEEL

By the Siemens' Cementation, and Crucible Processes.

SHIP and BOILER PLATES up to 11 Feet Wide.

Ingots, Slabs, Blooms, Billets, and Bars of all sizes.
Rivet Steel. Special Mild Steel for Boiler Flues.

STEEL FORGINGS, STEEL CASTINGS,

Of all descriptions, to any weight, Rough or Machined.

CRANK AXLES & SHAFTING HYDRAULIC PRESSED.

Springs.—Laminated, Volute, Patent Improved Volute, Conical, Spiral (Original Manufacturers of Volute Springs).
Buffers, of Wrought and Cast Iron of all descriptions. Best Cast Steel for Tools from finest Dannemora Brands. Best Cast Steel Files. **IRON FORGINGS** of all kinds.

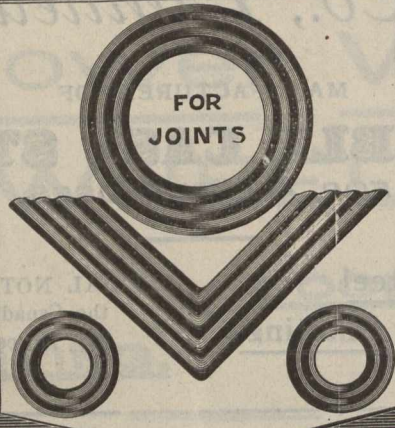
FOSTER'S & FOWNES' Patent CRANK SHAFTS.
WASTENEYS SMITH'S PATENT STOCKLESS ANCHORS,

Special price to Canadians under the New Tariff.

TAYLOR'S PATENT

CONTRACTORS TO THE ADMIRALTY
 THE ATTENTION OF ENGINEERS & OTHERS IS SOLICITED TO THE PRINCIPLES OF OUR UNIQUE PACKING, THIS PACKING CONSISTS OF METAL RINGS OBLONGS, & SQUARES, CUT FROM SHEETS OF BRASS, & CORRUGATED; FOR THE PURPOSE OF BEING PLACED IN JOINTS IN THE JOINING OF METAL PIPES MAKING JOINTS STEAM & WATER-TIGHT, IN MAKING JOINT CORRUGATED THE JOINT IS LAID WITH CEMENT ON INNER PART OF FLANG, CLEAR OF BOLTS, IN PREWINDING UP JOINT, RIDGES OF CORRUGATIONS YIELDING TO IT WILL TAKE PRESSIONS OF IRREGULARITIES OF SURFACES OF FLANGES, MAKING IT POSSIBLE FOR HIGH PRESSURE FROM STEAM OR WATER TO ENTER JOINT.

SOLE MAKERS **NEWTON**
 TYNE DOCK CORRUGATED PACKING WORKS



METALLIC PACKING.

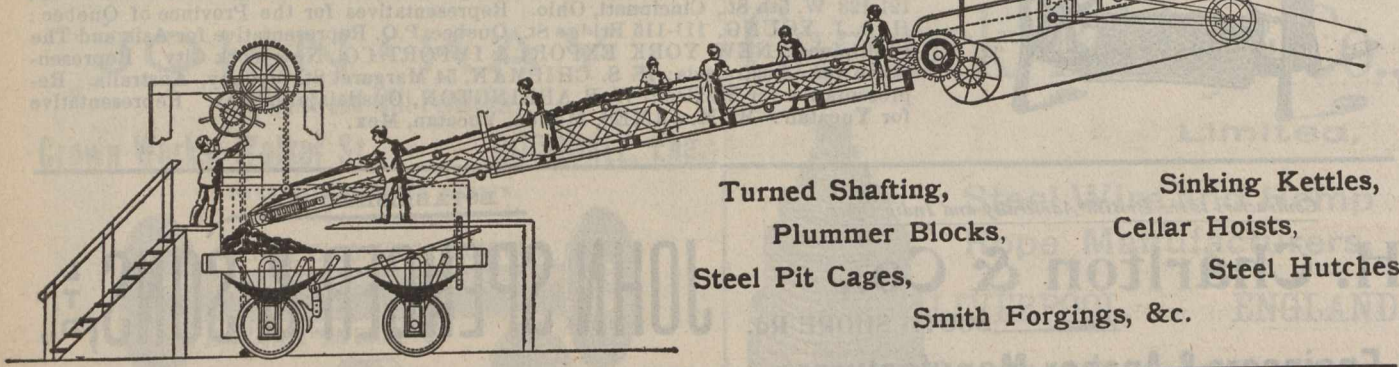
& SPANISH ROYAL NAVAL COMMISSION
 SOME ADVANTAGES OF THIS PACKING ARE :
 1-CHEAPNESS. NO CUTTING OF HOLES TO MAKE COST OF RINGS BEING A TRIFLE COMPARED WITH IMPORTANCE OF HAVING A GOOD JOINT.
 2-THIS PACKING IS SUITABLE FOR HEAT PETROLEUM BOILER STAYS ETC.
 3-BY USING RINGS TIGHT JOINT CAN BE MADE WITH GREAT CERTAINTY.
 4-WITH THIS PACKING A CLOSE NEAT JOINT CAN BE MADE.

THESE RINGS MANUFACTURED IN BRASS COPPER GUN METAL & STEEL
& NICHOLSON
 SOUTH SHIELDS

ANDERSON BROS.,

Engineers and Manufacturers,
 Crown Smith Works, COATBRIDGE, SCOTLAND.

Iron and Steel Roofing, Coal Screening Plant,
 Revolving Hutch Tippers,
 Cadzow Hand Adjustable Coal Picking Bands.



Turned Shafting, Sinking Kettles,
 Plummer Blocks, Cellar Hoists,
 Steel Pit Cages, Steel Hutches,
 Smith Forgings, &c.

L. WRIGHT & SON,

WRIGHT'S CELEBRATED NAVY BISCUITS.

These Biscuits are made from Pure Wheaten Flour, Thoroughly Kiln-Dried and specially prepared for long voyages, and are of World-Wide renown.

Established over 100 Years.

Manufactory: East Holborn; Offices: Dean Street,
 SOUTH SHIELDS,
 ENGLAND.

AMOS COWEN,

Builder & Contractor

294 Peel Street,
 MONTREAL, Que.

Insurance.

The Federal Life ASSURANCE COMPANY.

HEAD OFFICE, HAMILTON, CANADA.

Capital and Assets - - - - \$2,149,055.92
 Surplus to Policyholders - - - 1,025,317.85
 Paid Policyholders in 1900 - - - 170,813.58

MOST DESIRABLE POLICY CONTRACTS.

IAS. H. BEATTY, President. DAVID DEXTER, Managing Director.
 J. K. McCUTCHEON, Sup't. of Agencies.
 H. RUSSELL POPHAM, Provincial Manager.

Insurance.

British * America ASSURANCE COMPANY.

HEAD OFFICE, - - - TORONTO,

Incorporated 1833.

FIRE AND MARINE.

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

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

The Mutual Life INSURANCE COMPANY

OF NEW YORK.

RICHARD A. McCURDY, President.

STATEMENT FOR THE YEAR ENDING DEC'MBER 31st, 1896

Assets, - \$184,935,690.80

Reserve on Policies (American Table, 4 p.c.).....	\$168,221,916
Liabilities other than Reserve	1,622,951
Surplus.....	15,089,822
Receipts from all sources	41,958,145
Payments to Policy holders.....	20,885,472
Whole Life Risks assumed and renewed 219,318 policies	637,722,276
Risks in force : 278,213 policies, amounting to.....	861,867,478

NOTE.—The above statement shows a large increase over the business of 892 in amount at risk, new business assumed, payments to policy-holders, receipts, assets and surplus; and includes as risks assumed only the number and amount of policies actually issued and paid for in the accounts of the year

AGENTS WANTED Apply to

FAYETTE BROWN, Manager, MONTREAL.

(FOUNDED 1825.)

Law Union & Crown Ins. Co.,

(OF LONDON.)

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

Fire risks accepted on most every description of insurable property.

Canadian Head Office : BEAVER HALL, MONTREAL
 J. E. E. DICKSON, Manager.

Agents Wanted throughout Canada.

Scottish Union and National INSURANCE COMPANY.

Of Edburgh, Scotland.

ESTABLISHED 1804.

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

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

THE NORTH AMERICAN LIFE ASSURANCE COMPANY.

Head Office: 112-118 King St. West, TORONTO, Ont.

The following figures taken from the last financial statement show the unexcelled financial position to which the Company has attained. It has

Assets	\$ 3,977,263.88
Cash Income.....	1,005,970.55
Net Surplus.....	500,192.89
Insurance in Force.....	25,575,142.00

L. GOLDMAN, Secretary. WM. McCABE, Man. Dir.

Messrs. AULT and McCONKEY, Managers for Province of Quebec, 180 St. James St., Montreal.

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

OILS.

The IMPERIAL OIL COMPANY, Ltd.

—REFINERS AND MANUFACTURERS OF—

CANADIAN PETROLEUM PRODUCTS,

Under New Patent Process

Refined Oils, Benzine, Napthas and Gasolenes, Lubricating Oils, Greases-Paraffine Wax Candles, Fuel Oils, &c.

Refineries: SARNIA and PETROLIA, Ont.

Branches:

MONTREAL, P.Q. ST. JOHN, N.B. HALIFAX, N.S. WINNIPEG, Man., VANCOUVER, B.C.

—SELLING AGENTS FOR PROVINCE OF ONTARIO—

The QUEEN CITY OIL COMPANY, Limited,

Head Office: TORONTO, Ont.

Branches: OTTAWA, HAMILTON, LONDON, KINGSTON, and other Stations Province of Ontario.

NEW YORK LIFE

INSURANCE COMPANY.

JOHN A. McCALL, President;

Gain in Insurance in force 1900
\$140,000,000

AN UNPARALLELED RECORD.

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

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

R. HOPE ATKINSON.

AGENCY DIRECTOR,

Company's Building, MONTREAL

J. DUNCAN DAVISON

Imperial Bdg. 107 St. James Street,
Montreal.

COMMISSIONER

For Following Provinces:

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

LIVERPOOL & LONDON & GLOBE

INSURANCE COMPANY.

Available Assets, - - \$61,187,215
Funds Invested in Canada, - \$3,300,000

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

Canada Board of Directors:

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

Head Office, Canada Branch:

MONTREAL.

THE WATERLOO MUTUAL

Fire Insurance Company.

Established in 1863. Head Office, Waterloo, Ont.

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

GEORGE RANDALL, Esq., President; JOHN SHUH,
Esq., Vice President; Frank Haight, Esq., Manager;
John Killer, Esq., Inspector.

UNCONDITIONAL POLICIES

ARE ISSUED
BY THE . . .

CONFEDERATION LIFE ASSOCIATION.

Cash Values,
Extended Insurance,
Paid up Policies,
GUARANTEED.

Full information sent on application.

H. J. JOHNSTON,

Prov. Manager,

174 ST. JAMES ST.,
MONTREAL.

W. C. MACDONALD,

Actuary.

J. K. MACDONALD.

Managing Director.

Head Office, - TORONTO.

LIFE INSURANCE ANNOUNCEMENT.

JANUARY, 1902.

The rapidly increasing business of THE ROYAL-VICTORIA LIFE INSURANCE CO., requiring larger Head Office accommodation, the Company will occupy its new offices on the second floor of the Royal Insurance Building, Place d'Armes Square, on the 1st of May next.

The new business issued in 1901, shows an increase of 33 per cent. over the previous year.

Head Office,
MONTREAL.

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

B. S. & W. WHITELEY

Press
Paper
Manufacturers,

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

WESTERN ASSURANCE COMPANY.

FIRE AND MARINE. Incorporated 1851.

Assets, over \$2,925,000.00
Annual Income, 2,994,000.00

Head Office, - Toronto, Ont.

Hon. Geo. Cox, Pres. J. J. KENNY Vice-Pres. & Man.-Dir
C. C. FOSTER, Secretary.

Montreal Branch, - - 189 ST. JAMES STREET.

ROBT. BICKERDIKE, Manager.

ROUTH & CHARLTON, City Agents.

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.
R. G. KEARLEY, RESIDENT MANAGER.

NATIONAL ASSURANCE COMPANY OF IRELAND.

ESTABLISHED 1822.

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

Canadian Branch:

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

H. M. LAMBERT, - MANAGER.

DISTINCTIVE QUALITIES

—OF—

**North Star, Crescent
and Pearl Batting.**

Purity, Brightness, Loftiness.

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

COMMERCIAL UNION ASSURANCE CO., Ltd.,

Of London, England.

FIRE LIFE MARINE

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

HEAD OFFICE, Canadian Branch, - MONTREAL
JAMES MCGREGOR, Manager.