

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

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

THE CANADIAN
JOURNAL OF COMMERCE
 FINANCE AND INSURANCE REVIEW

Vol. 54. No 8.
 NEW SERIES.

MONTREAL, FRIDAY, FEBRUARY 21, 1902.

M. S. FOLEY,
 EDITOR AND PROPRIETOR

McINTYRE SON & Co.,

MONTREAL.

IMPORTERS of DRY GOODS.

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

13 VICTORIA SQUARE.

McArthur, Corneille & Co.

310 to 316 St. Paul Street

AND

147 to 151 Commissioners St.,
MONTREAL.

Manufacturers and Importers of

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

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

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BERLIN ANILINE CO.,

Berlin, Germany.

Manufacturers of Aniline, Colors and
 other Coal Tar Products.

JAMES CORISTINE & CO.,

Limited.

Manufacturers and
 Importers of

HATS
CAPS
 AND **FURS**

MONTREAL.

FARM FOR SALE.

o o o

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 The steam railway service to the Falls has been replaced by an electric railway service.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

The following Brands
 Manufactured by

THE American Tobacco Co.

OF CANADA, Limited,

Are sold by all the Leading Wholesale
 Houses

OUT TOBACCOOS.

Old Chum,
 Seal of North Carolina,
 Old Gold.

CIGARETTES

Richmond Straight Cut,
 Sweet Caporal,
 Athlete, Derby.

MARK FISHER SONS
 AND COMPANY,

Merchant Tailors and
 Woollen Buyers

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

We have never shown a more extensive
 line of

STAPLE WOOLLENS

than we are doing at present.

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

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ROOFING AND ASPHALTING

OF EVERY DESCRIPTION.

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

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GEO. W. REED & CO.,

MONTREAL.

**Destructors and
 Boiler Furnaces.**

HORSFALL DESTRUCTOR CO.,
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 LEEDS, England.

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

BLACK DIAMOND
 FILE WORKS.

Est. 1863.

INC. 1895.



HIGHEST AWARDS at TWELVE
 International Expositions.

SPECIAL PRIZE,
 GOLD MEDAL,
 AT ATLANTA, 1895.

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

The Chartered Banks.

BANK OF MONTREAL.

(ESTABLISHED 1817.)

Incorporated by Act of Parliament.

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

HEAD OFFICE: MONTREAL.

BOARD OF DIRECTORS:

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R. G. Reid, Esq.

E. S. CLOUSTON, General Manager.

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

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Seigneurs St. Branch.
Point St. Charles Branch.
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Brockville, " Picton, " Sydney, N.S.
Chatham, " Sarnia, " Calgary, Alta.
Cornwall, " Stratford, " Lethbridge, Alta.
Deseronto, " St. Mary's, " Regina, Ass'a.
Ft. William, " Toronto, " Winnipeg, Man.
Goderich, " "Yonge st. br. Greenwood, B.C.
Guelph, " Wallaceburg, " Nelson, B. C.
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Lindsay, " Fredericton, N.B. Rossland, B.C.
Ottawa, " Moncton, N.B. Vancouver, B. C.
St. John, N.B. Vernon, "
Amherst, N.S. Victoria, "

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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.

BANKERS IN THE UNITED STATES:

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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.

BRANCHES:

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" King St. W. Br. Copper Cliff, Rossland, B. C.
Montreal, Gananogue, 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 1838.

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

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

COURT OF DIRECTORS:

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

Head Office in Canada, St. James street, Montreal

H. STIKEMAN, General Manager.
J. ELMSLY, Inspector.

BRANCHES IN CANADA:

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

DRAFTS ON SOUTH AFRICA MAY BE OBTAINED AT THE BANK'S BRANCHES.

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

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

THE MOLSONS BANK.

Incorporated by Act of Parliament, 1855.

HEAD OFFICE: MONTREAL.

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

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

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

AGENTS IN EUROPE:

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

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

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

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

HEAD OFFICE: HALIFAX, N.S.

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Bathurst, N.B. Ottawa, Ont.
Bridgewater, N.S. Pictou, N.S.
Charlottetown, P.E.I. Port Hawkesbury, N.S.
Dorchester, N.B. Rossland, B.C.
Fredericton, N.B. Sackville, N.B.
Grand Forks, B.C. St. John, N.B.
Guysboro, N.S. Shubenacadie, N.S.
Halifax, N.S. St. John's, Nfld.
Kingston, N.B. Summerside, P.E.I.
Londonderry, N.S. Sydney, C.B.
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Lunenburg, N.S. Vancouver, B.C.
Maitland, N.S. Vancouver, East End, B.C.
Moncton, N.B. Victoria, B.C.
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Nanaimo, B.C. Woodstock, N.B.
Nelson, B.C.

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

CORRESPONDENTS:

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

ST. STEPHEN'S BANK.

Incorporated 1836.

St. Stephen, N.B.

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

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

AGENTS:

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

THE WESTERN BANK OF CANADA.

HEAD OFFICE: OSHAWA, ONT.

Capital Authorized, - - - - - \$1,000,000
Capital Subscribed, - - - - - 500,000
Capital Paid-up, - - - - - 401,200
Reserve, - - - - - 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.
T. H. McMillan, - - - - - Cashier.

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Drafts on New York and Sterling Exchange bought and sold. Deposits received and interest allowed. Collections solicited and promptly made.

Correspondents at New York and in Canada—Merchants Bank of Canada. London, England—Royal Bank of Scotland.

THE ONTARIO BANK.

Capital subscribed - - - - - \$1,500,000.00
Capital Paid-up - - - - - 1,393,000.00
Rest - - - - - 380,000.00
Profit and Loss Account - - - - - 10,996.04

HEAD OFFICE: TORONTO.

DIRECTORS:

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

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

AGENTS:

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

The Chartered Banks.

THE CANADIAN BANK OF COMMERCE

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

DIRECTORS:
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John Hoskin, Esq., K.C., LL.D.,
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J. H. PLUMMER, Asst. General Manager.
A. H. Ireland, Chief Insp'r and Supt. of Branches.

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ONTARIO: Simcoe, Stratford, Strathroy, Toronto, Toronto Jc., Walkerton, Walkerville, Waterloo, Windsor, Woodstock.
Ayr, Dundas, Ottawa, Paris, Port Frances, Parkhill, Peterboro, Toronto, Guelph, St. Cath'rins, Walkerton, Cayuga, Hamilton, Sarnia, Waterloo, Collingwood, London, St. Ste. M'rie, Windsor, Dresden, Orangeville, Seaforth, Woodstock.

QUEBEC: MANITOBA. YUKON DISTRICT.
Montreal, Winnipeg, Dawson, White Horse.

BRITISH COLUMBIA:

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

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London, 60 Lombard St., E.C., S. C. Alexander, Mgr
IN THE UNITED STATES:
New York, San Francisco, Cal.; Portland, Ore.;
Seattle, Wash.; Skagway, Alaska.

Bankers in Great Britain:

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Traders Bank of Canada

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

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

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

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

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Aylmer, Hamilton, Sault Ste. Marie,
Beeton, Ingersoll, Strathroy,
Burlington, Leamington, St. Mary's,
Drayton, Newcastle, Sturgeon Falls,
Dutton, North Bay, Sudbury,
Elmira, Orillia, Tilsonburg,
Glencoe, Port Hope, Windsor
Grand Valley, Ridgeway

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

BANQUE D'HOCHELAGA.

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

DIRECTORS.
F. X. ST. CHARLES, President.
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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.
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Three Rivers, P. Q., Winnipeg, Man.
Joliette, P. Q., St. Henri, near Montreal
Sorel, P. Q., 1393 St. Catherine "
Valleyfield, P. Q., 175 "
Louisville, P. Q., 2317 Notre Dame "
Sherbrooke, P. Q., Hochelaga, "

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

The Chartered Banks.

BANK OF HAMILTON.

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

HEAD OFFICE - HAMILTON,

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

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Berlin, Indian Hd n. w. t. Pilot Mound,
Blyth, Jarvis, Man.
Brandon, Man. Listowel, Plum Coulee, M.
Carman, Man. Lucknow, Port Elgin,
Cheley, Manitou, Man. Port Rowan,
Delhi, Milton, Simcoe,
Dundalk, Mitchell, Southampton,
Dundas, Moose Jaw, Stowewall, 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

Capital, \$2,500,000 Reserve Fund, \$2,700,000

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W. WILMOT D. MATTHEWS, Vice-President.
Wm. Ince, Timothy Eaton, W. R. Brock, M. P.
A. W. Austin, James J. Foy, K. C., M. P. P.

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

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

Eastern Townships Bank.

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

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

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

Agents in Canada, Bank of Montreal and Branches. Agents in London, Eng., National Bank of Scotland.

Agents in Boston, National Exchange Bank. Agents in New York, National Park Bank. Collections made at all accessible points and remitted.

The BANK OF OTTAWA.

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

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

HEAD OFFICE, Ottawa, Ont.
Geo. BURN, Gen. Mgr.—D. M. FINNIE, Ottawa Mgr.
L. C. OWEN, Inspecting Officer.
Branches: Ontario—Alexandria, Annprior, Avonmore, Bracebridge, Carleton Place, Cobden, Hawkesbury, Keewatin, Kemptville, Lanark, Mattawa, Ottawa, Wellington street, Bank street, Rideau St., Somerset street Parry Sound, Pembroke, Rat-Portage, Renfrew, Smith's Falls, Toronto, Vankleek Hill, Winchester, Quebec.—Granby, Hull, La chute, Montreal, Shawinigan Falls, Manitoba—Daunhin, Portage la Prairie, Winnipeg.

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

The Chartered Banks.

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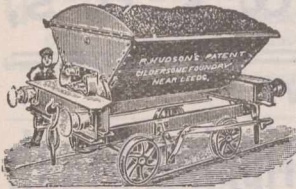
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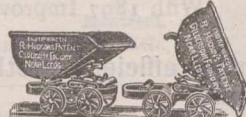
59—R. H.'s Patent 6-Ton Steel Double Side Tip Wagon, to work with ordinary 14 1/2 Wagons



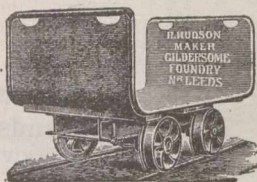
62—R. H.'s Patent Steel Goods Wagon, with Side Doors



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.



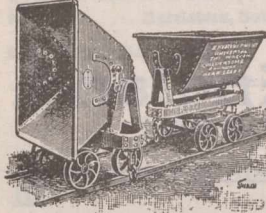
76—Hand Trolley, made to carry any weight or to suit any rail gauge.



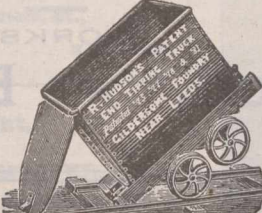
7c—R. H.'s Patent Steel Mining Wagon



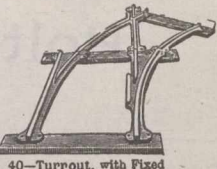
43—R. H.'s Patent Railway. Re Pelts, Rivets, or Loose Parts. Will last ten times as long as the ordinary kind. Guaranteed fit through any satisfactory



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



1—R. H.'s Patent Steel End Tip Wagon



40—Turnout, with Fixed Point



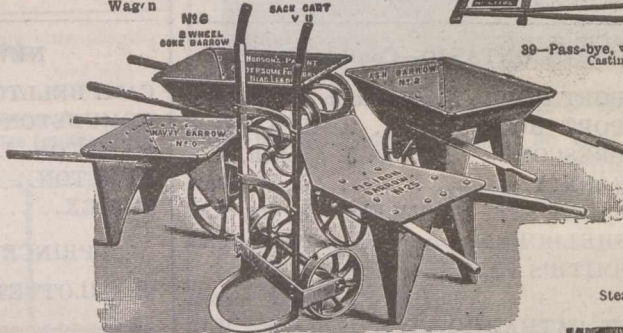
39—Pass-by, with Fixed Points Castings only



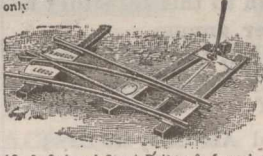
17—R. H.'s Patent Self-contained Ball Bearing Turntable, dispensing with Lubrication and Masonry Foundations Castings only



27—Hopper Wagon, with Slide Door



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



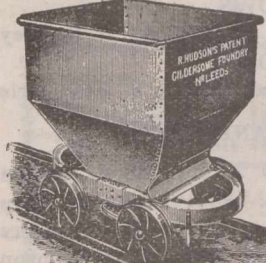
10—Left-hand Steel Points & Crossing



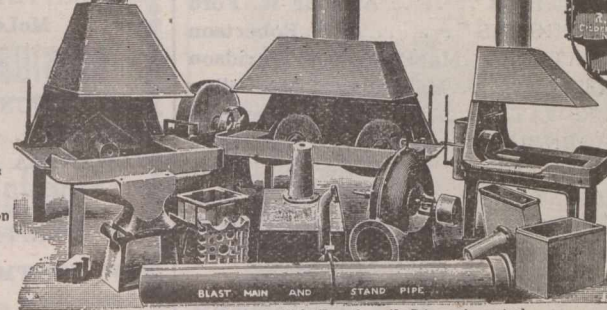
Steamship Barrow. Drawing V 10



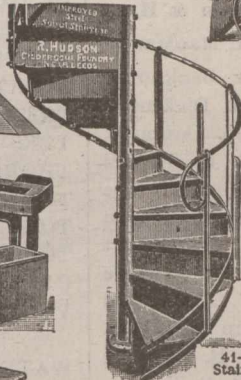
67—R. H.'s Improved Steel Ladder. Strong, very light, and durable



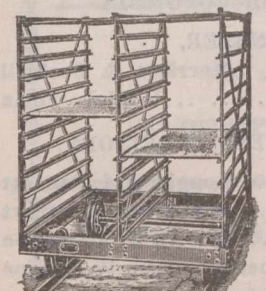
69—R. H.'s Improved Steel Hopper Wagon with Slide Door



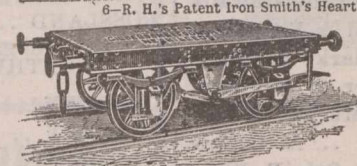
6—R. H.'s Patent Iron Smith's Hearths. No Brickwork required



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



68—Cake Drying Wagon



56—10-Ton Platform Railway Wagon



58—Steel Plate Bogie



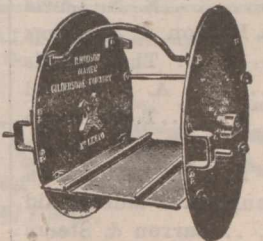
71—R. H.'s Improved Steel Tank Cart. 300 Gallons capacity



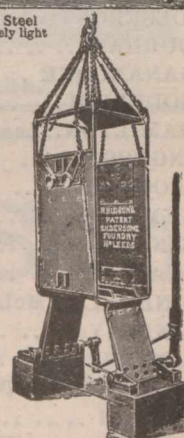
51—R. H.'s Patent Steel Cart, with R. H.'s Patent Steel Wheels and R. H.'s Patent Steel Shafts. Practically indestructible.



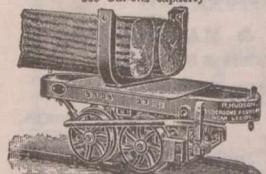
22—Two Tons Steel Plate Bogie. Practically indestructible.



78—Tippler for Mining Wagons



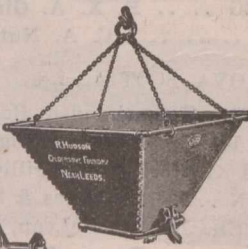
16—R. H.'s Improved Steel Cage, with Safety Grippers and Pulleys complete



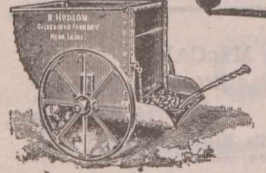
60—Bogie Wagon, with Swivel Fork for carrying Long Balks



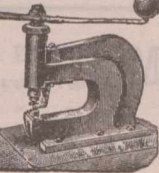
70—Foundry Fettling Box



57—Steel Coal Box with Drop Bottom



4—Purpose Coal Wagon



33—Fly Punch



35—Foundry Ladle



—Self-righting Steel Tip Bucket, fixed with Patent Self-righting Catch if desired



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



63—Mining Ribble with or without Paper in bucket

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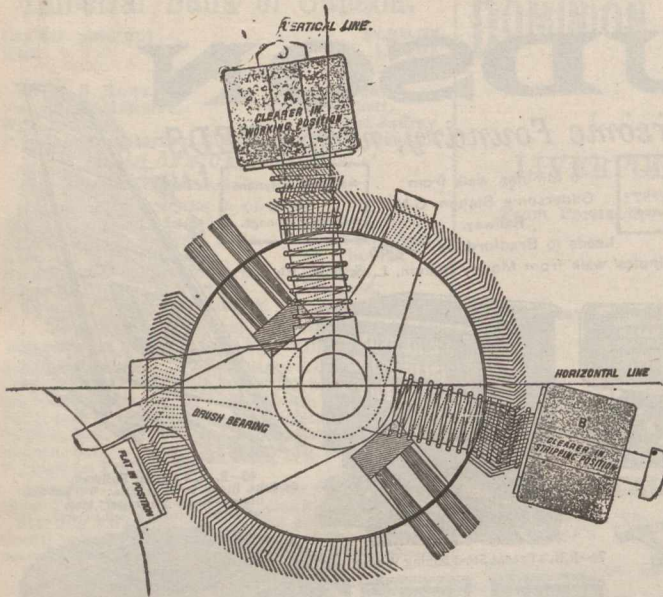
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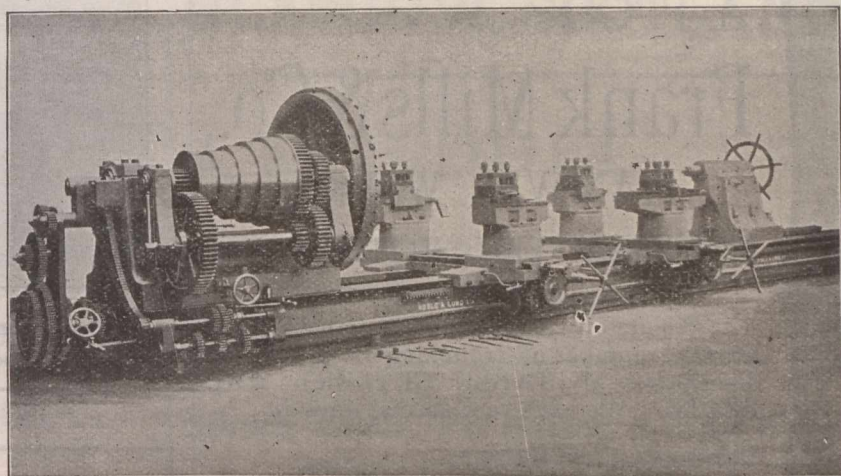
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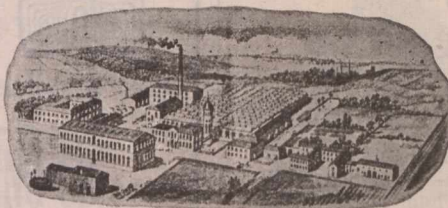
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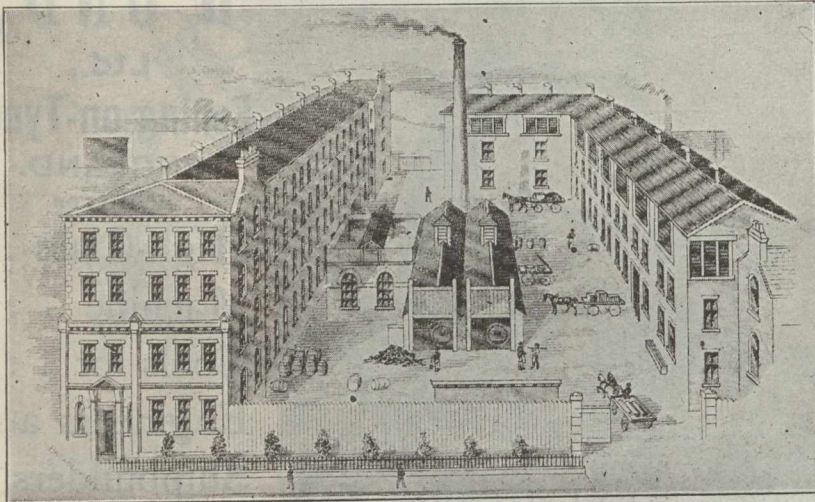
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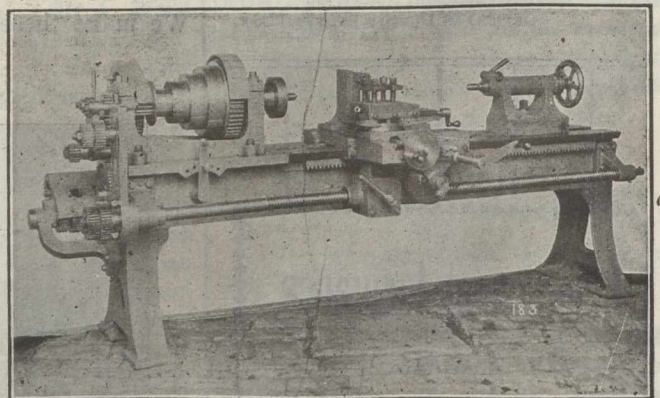
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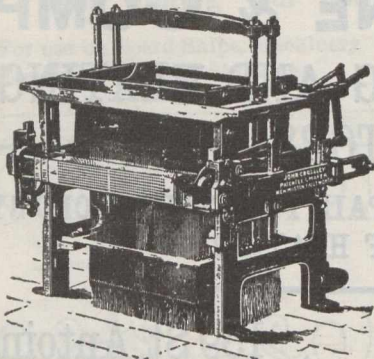
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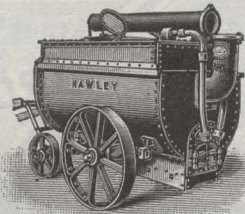
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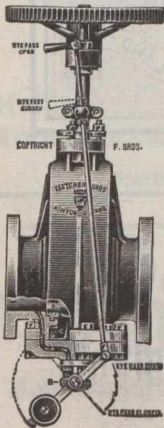


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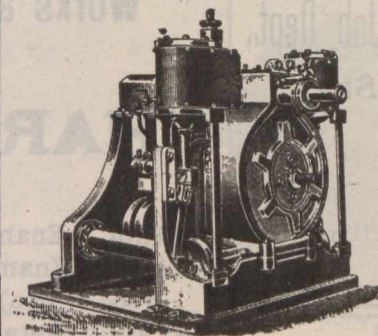
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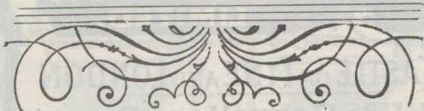
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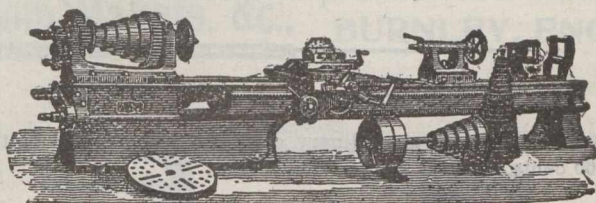
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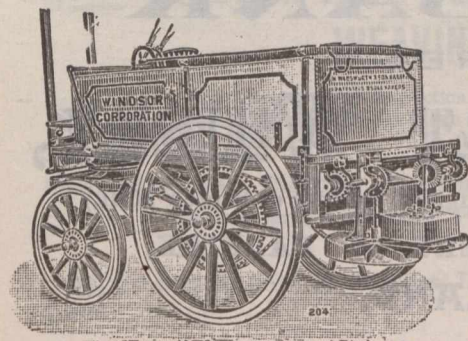
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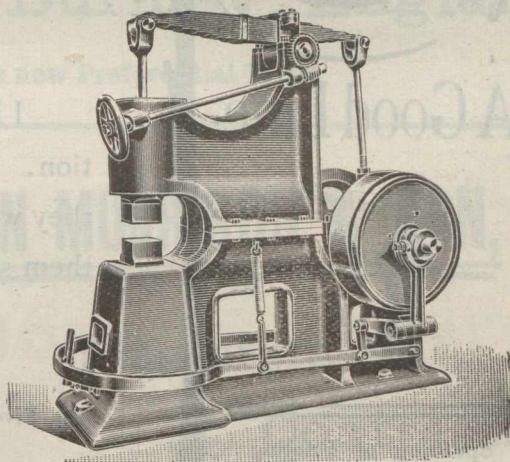


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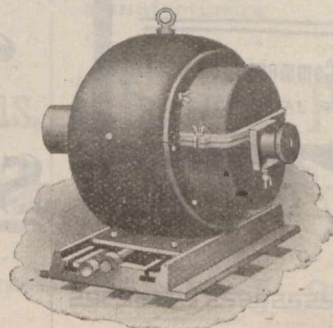
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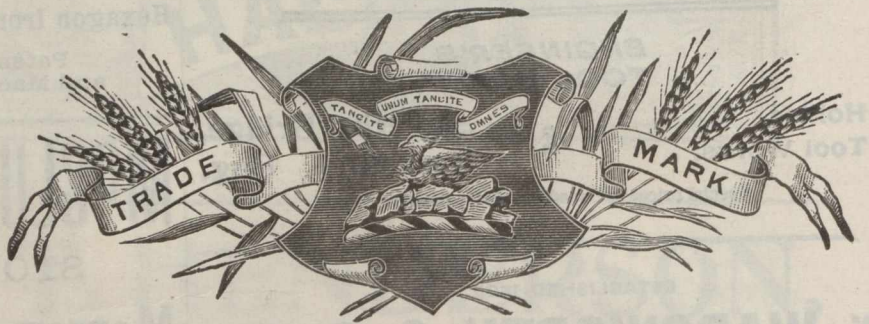
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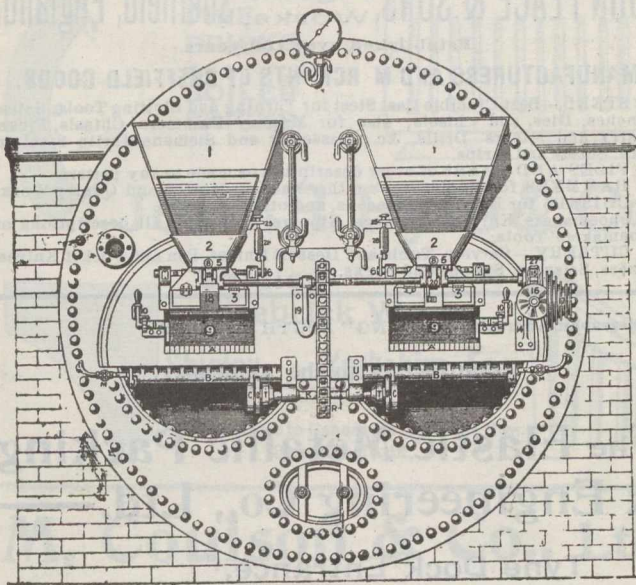
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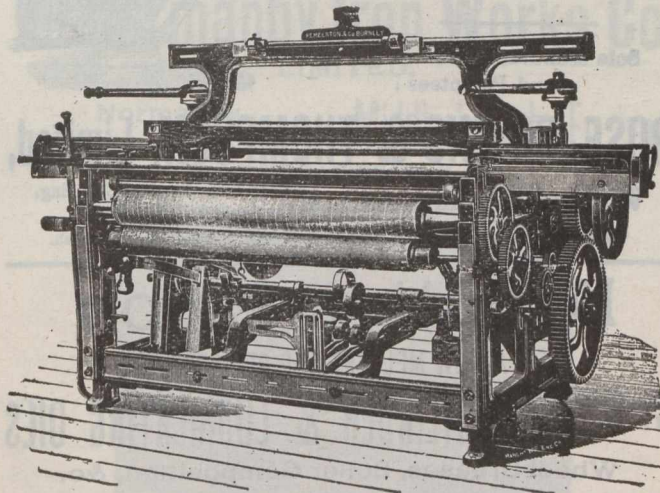
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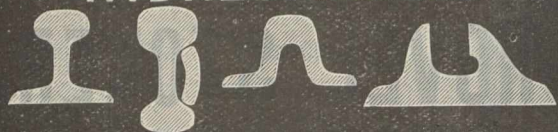
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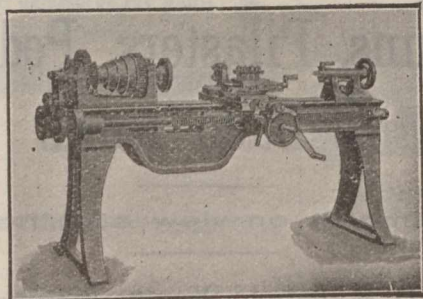
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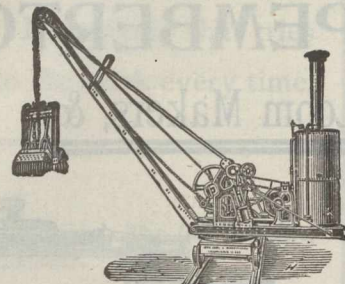
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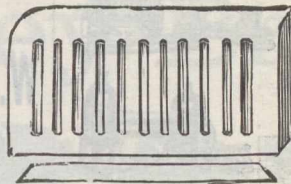
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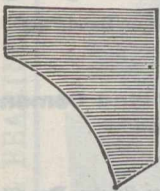
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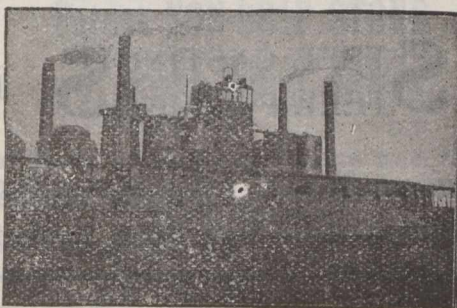
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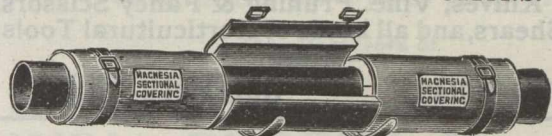
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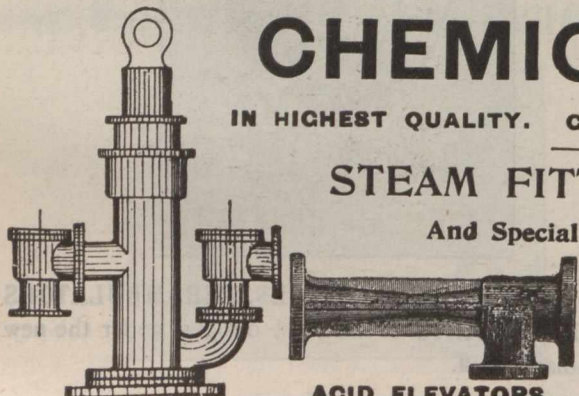
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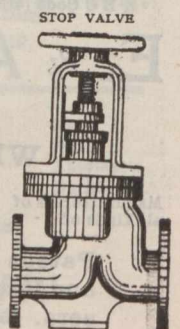
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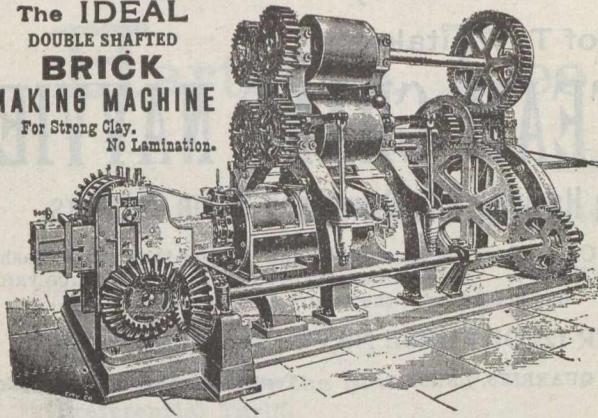
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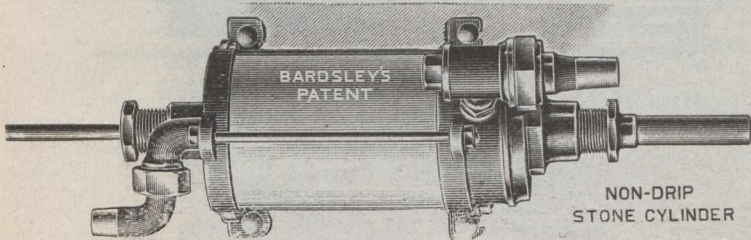
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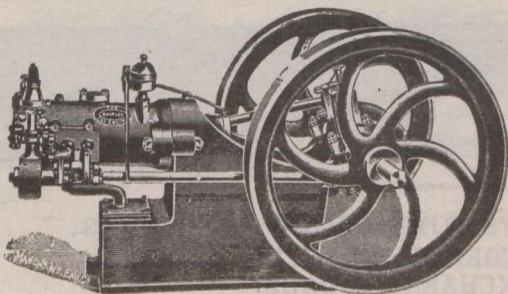
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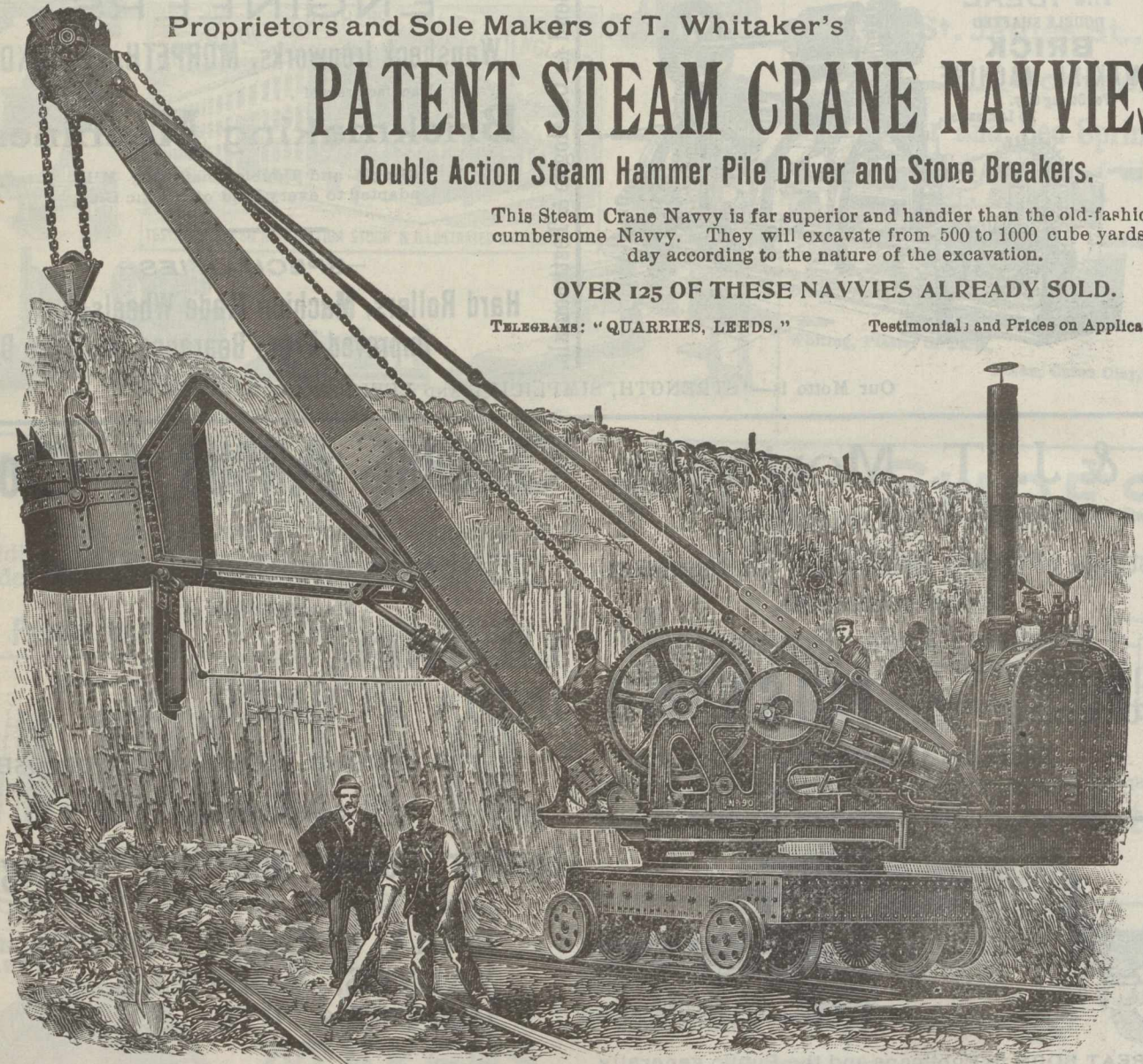
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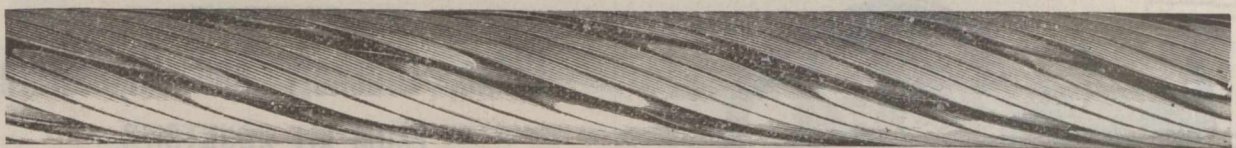
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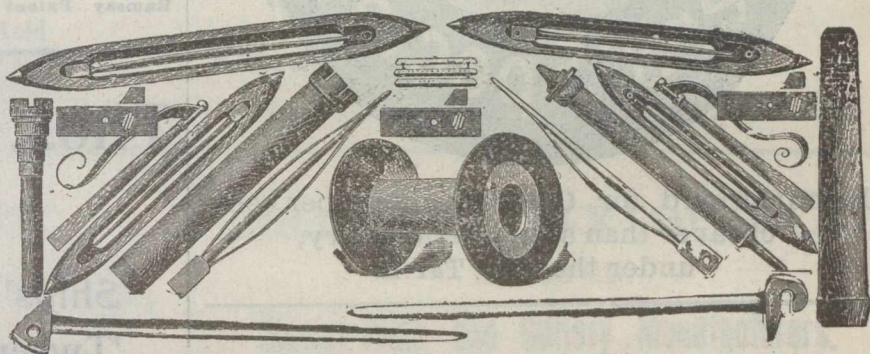
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
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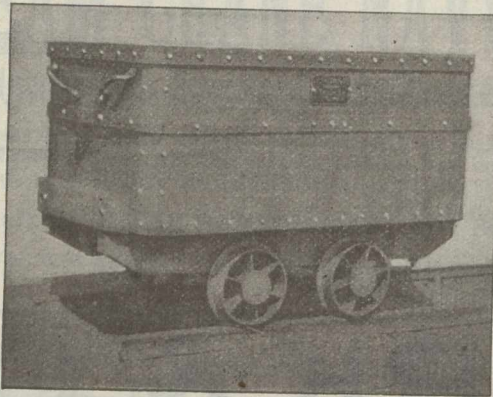
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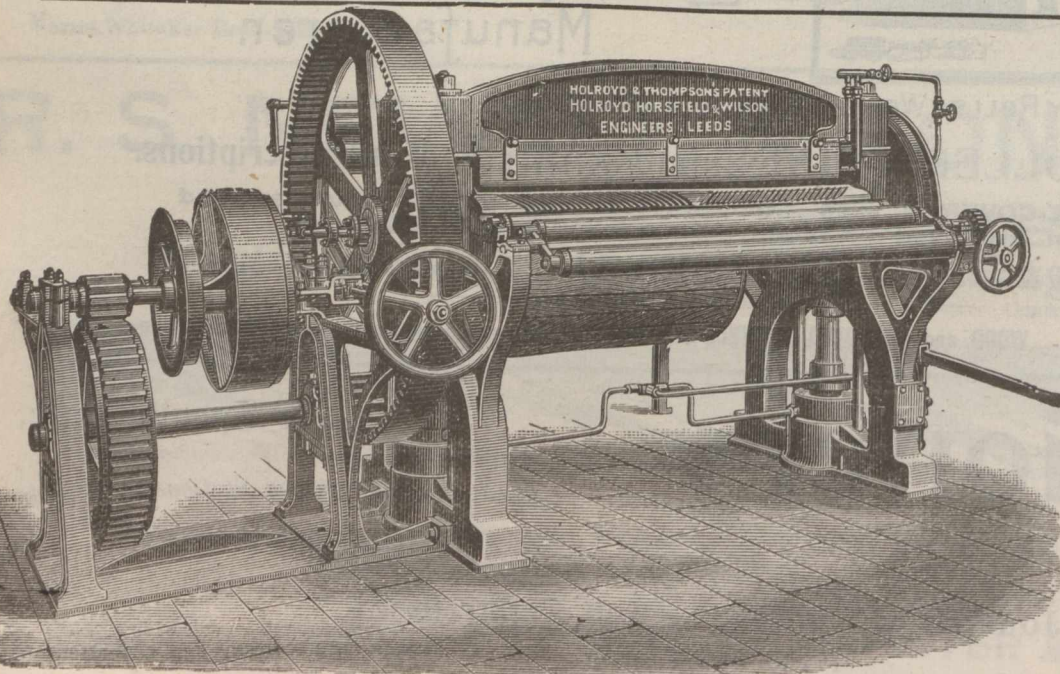
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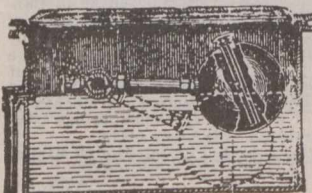
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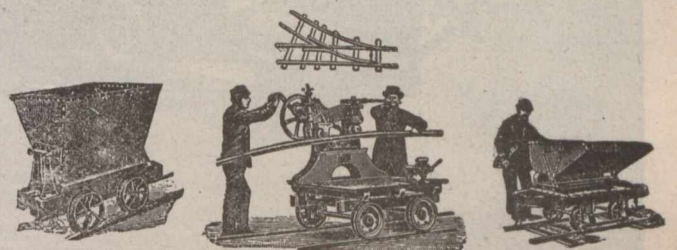
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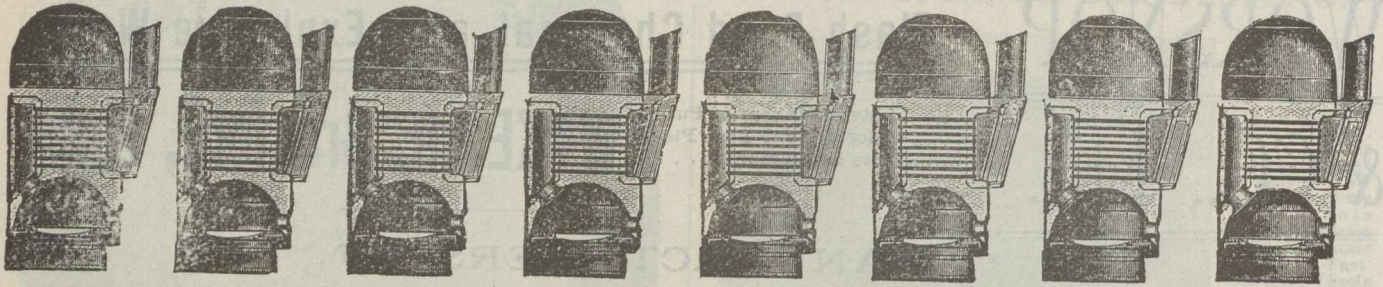
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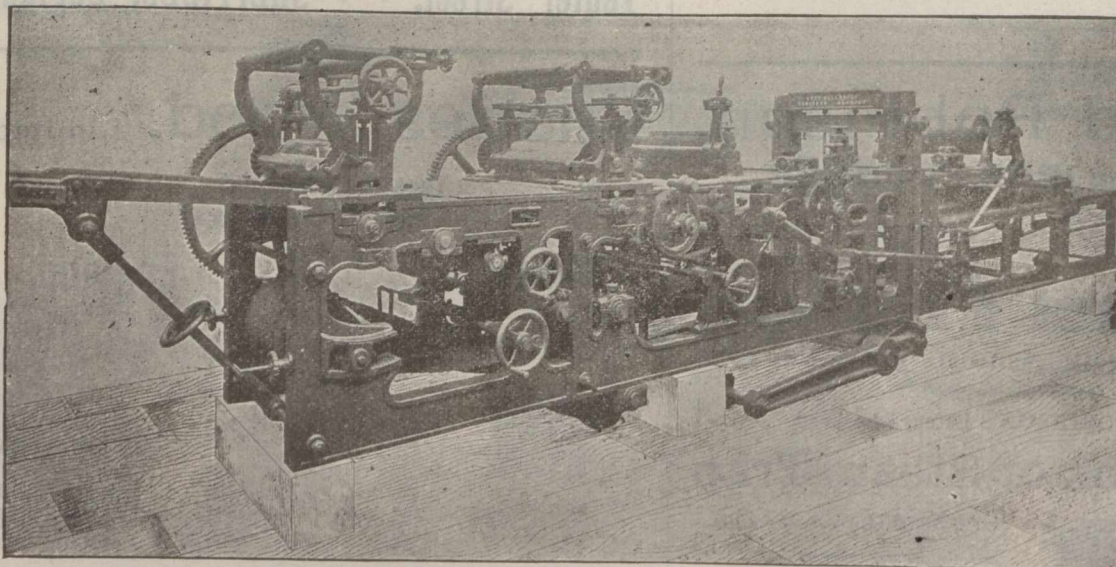
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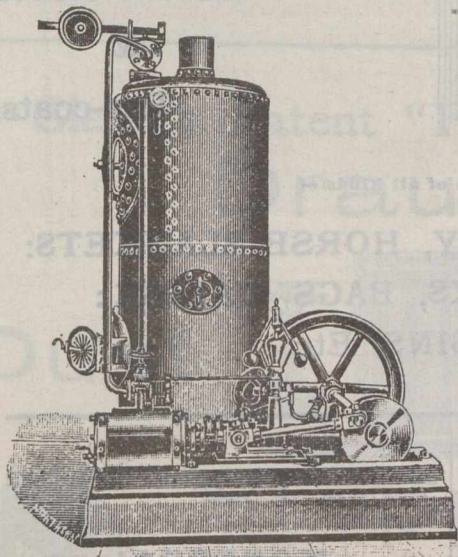
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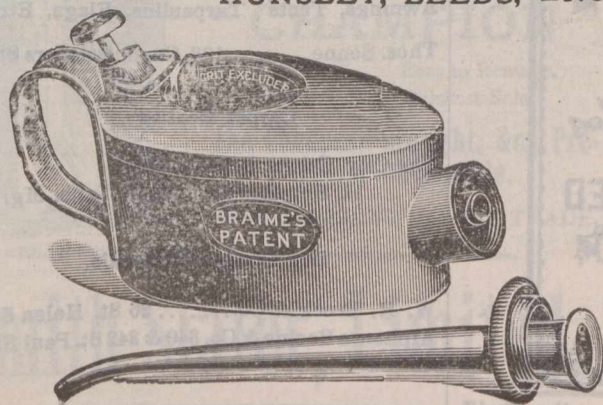
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KIT-BAGS, TRUNKS, BAGS, VALISE :
MOCCASINS, Etc.**

Special Prices to Canadians under the New Canadian Tariff

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**MONTREAL
MERCHANTS AND MANUFACTURERS.**

Awnings, Tents Tarpaulins, Flags, Etc.

Thos. Sonne.....198 Commissioners St.

Carpet Beating.

The City Carpet Beating Co.,
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Dry Goods, Wholesale.

W. R. Brock & Co..... 26 St. Helen St
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Canadian Colored Cotton Mills Company.

Cottonades, Tickings, Denims, Awnings, Shirtings, Flannelettes, Gingham, Zephyrs, Skirtings, Dress Goods, Lawns, Cotton Blankets, Angolas, Yarns, &c.

Wholesale, Trade only Supplied.

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AGENTS,
Montreal and Toronto.

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J. A. FINLAYSON,
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415 to 417 St. Paul Street, Montreal

Bell Telephone Main 1888

P. O. Box 684.

Telegrams: "UNITY, PADIHAM."

The Unity Wood & Iron Co.

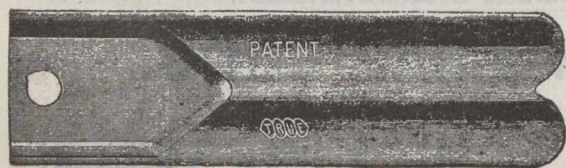
MACHINISTS, IRON and BRASS FOUNDERS,

Patent Temple Makers and Patentees,

Guy Foundry, Padiham, Lancashire, England.

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

PATENT "TRUE" TEMPLE.



With Steel Cap and Patent Adjustable Roller Bearers.

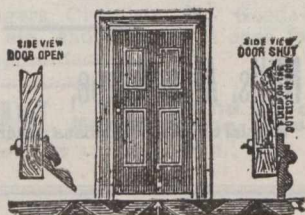
By far the best Roller Temple yet produced, and superseding Ring or Swiss Temples. Thousands are now in use and are giving the greatest satisfaction.

Station Works,

Padiham, England.

Slater's Patent "RELIABLE" Draught

Dust



& Rain

Stopper

For the Bottom of Doors.

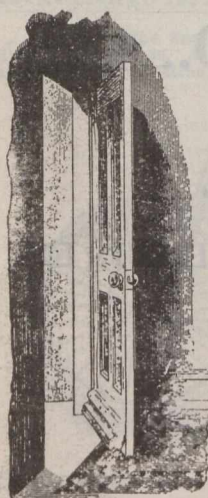
Stock Two sizes, and you can suit ANY WIDTH of Door. Cut in Two Minutes to any length

Also THE CHEAP "CHAMPION"

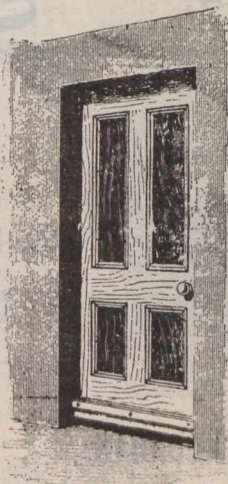
Easy to Fix. Easy to Remove. Lowest Price. Quickest Sale.

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.

GEO. CONTHIER,

Bell Tel.:—Main 2113, Accountant & Auditor.

SOLE REPRESENTATIVE FOR THE PROVINCE OF QUEBEC OF

The Account, Audit & Assurance Co., Ltd. OF NEW YORK.

11 & 17 Place d'Armes Hill. MONTREAL, QUE.

THE IMPROVED

Lancashire Steel Potato Peeler.

(Also for Apples, Carrots, Turnips, Cucumbers, &c.)



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

Sole Makers.

R. E. COLLINGWOOD, - Rochdale, Eng.

Special prices to Canadians under the New Tariff.

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.

—From Milwaukee, U.S., it is announced that a consolidation of canners of peas, with \$10,000,000 capital, and another of canners of tomatoes, with \$7,000,000 capital are being pushed, with considerable prospect of success.

—It is officially announced that the Governor-General-in-council has ordered that a royalty of 10 per cent. a ton be placed upon coal mines in the mining lands of the Crown in British Columbia, Northwest Territories and Manitoba.

—The owners of the stranded steamer Grecian have abandoned all hope of saving her. The pumps have been removed, and the work of stripping commenced. After a survey is held the steamer will be sold as she lies on the rocks.

—The bill to incorporate the Ontario Electric Railway Company was passed by the Railway Committee of the Ontario Legislature. The company proposes to build a line from Cornwall to Toronto. It will apply to the Lieutenant-Governor-in-Council for power to construct any branch lines.

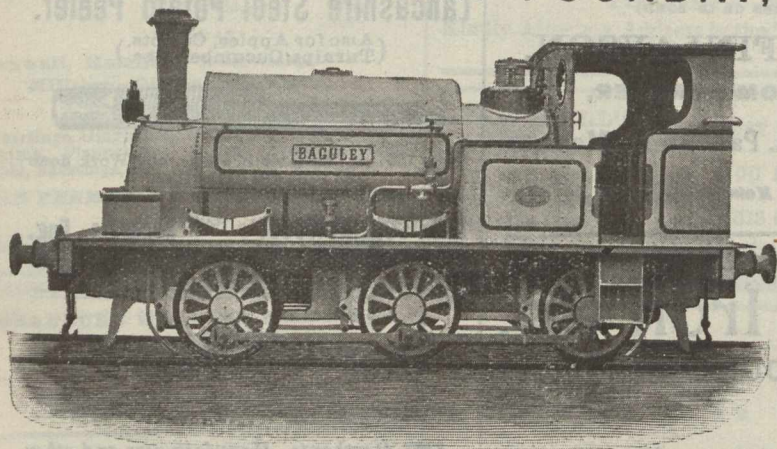
—The annual meeting of the Brantford, Ont., Board of Trade was held on the 12th instant. The Secretary's report shows a total membership of 244, including 44 new members added during the year. The following officers were re-elected without opposition: President, L. Harris; vice-president, J. Mann; secretary, G. Hately.

ESTABLISHED 1860.

Telegraphic Address: "LOCO, LEEDS."

Hudswell, Clarke & Co., Ltd.

RAILWAY FOUNDRY, LEEDS, ENG.



LOCOMOTIVE TANK ENGINES,

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

Plans, Photographs and Full Specifications
on application.

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

—Grand Trunk Railway System—Earnings 1st to 7th
February, 1902, \$426,062; 1901, 479,771; decrease, \$53,709.

—The Traders' Bank of Canada is now doing business at
Rodney, Ont., where a branch of that bank has been
opened.

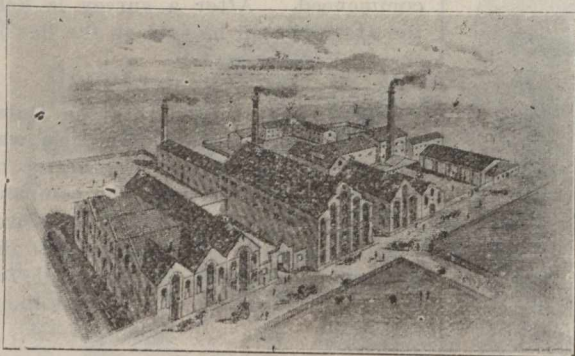
—The imports of France for the month of January de-
creased 33,142,000 francs, and the exports for the same
month increased 28,967,000 francs.

—Mr. D. McGregor, manager of the Bank of Commerce
branch at Sault Ste. Marie, Ont., has been appointed to
succeed Mr. D. Hughes Charles, as manager of the Galt
branch.

—The Yukon Pacific Railway will apply for a charter
from a point near near Chilkat River on the International

Preston's Liverpool Distillery Company, Limited.

Finest Grain Spirits,



Distillery: . . . BANKHALL, SANDHILLS.

OFFICE: 4 India Buildings, Water Street,

LIVERPOOL, Eng.,

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.

SLADE & Co., Ltd.

THE ROYAL
TOFFY WORKS,

LEEDS, - ENGLAND.

Manufacturers of
the finest

HOME
MADE
TOFFY.

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

DAVY BROTHERS

Limited.

TELEGRAMS:
"Motor, Sheffield."

SHEFFIELD, England.

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

BOILERS

IN the Manufacture of these Boilers, 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,

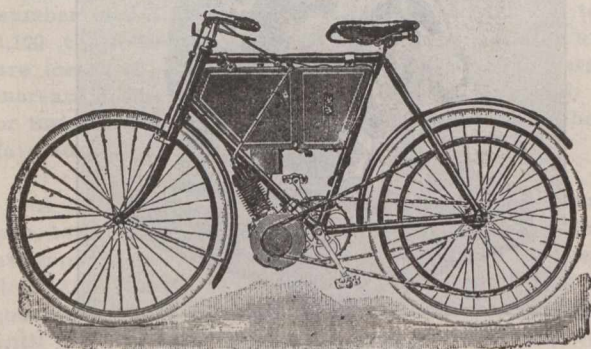
And many other good and readily saleable articles.

All high class Ironmongers, Chemists, Dry Goods Stores, Paint and Color Merchants, etc., should write at once for illustrated 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 1887. Telegrams:—"PNEUMATIC, Leeds."

Absolutely the finest Motor Cycle made. Simplest to Manipulate. Easiest to Reculate. 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.

boundary line between British Columbia and Alaska to a point near Rainy Hollow, British Columbia, thence to Coal Lake and White Horse.

—Canadian fisheries, it is admitted, are the most valuable and varied in the world, the value to the country increasing year by year. Fifty years ago their value was \$150,000. Twenty years later, in 1870, they exceeded \$4,000,000; in 1880, they exceeded \$14,000,000; in 1890 they exceeded \$17,000,000; in 1900 they exceeded \$21,000,000.

—The British War Office has published a summary of the British losses in South Africa. Up to January 31 the total reduction of the forces, from death or permanent disability, was 25,305 men. The total of the casualties, including surviving wounded, was 5,240 officers and 100,701 men.

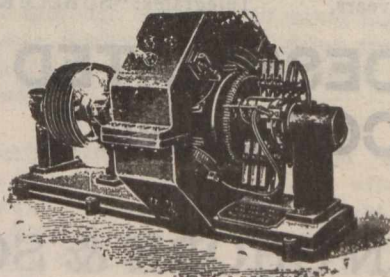
—A new source of interest is being promoted in Vienna, where, it is stated, Capt. Grossman started some days ago from Linz for Vienna, a distance of 100 miles, walking on the surface of the River Danube on shoes invented by himself. He covered twenty miles on Thursday, towing his wife in a boat. He was therefore unable to make anywhere near the speed he expected. It is stated that the peasants along the banks were terrified by the strange spectacle.

ALFRED SYKES,

**ELECTRICAL
ENGINEER,**

Spring Place Works,

Huddersfield,
ENGLAND.



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

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

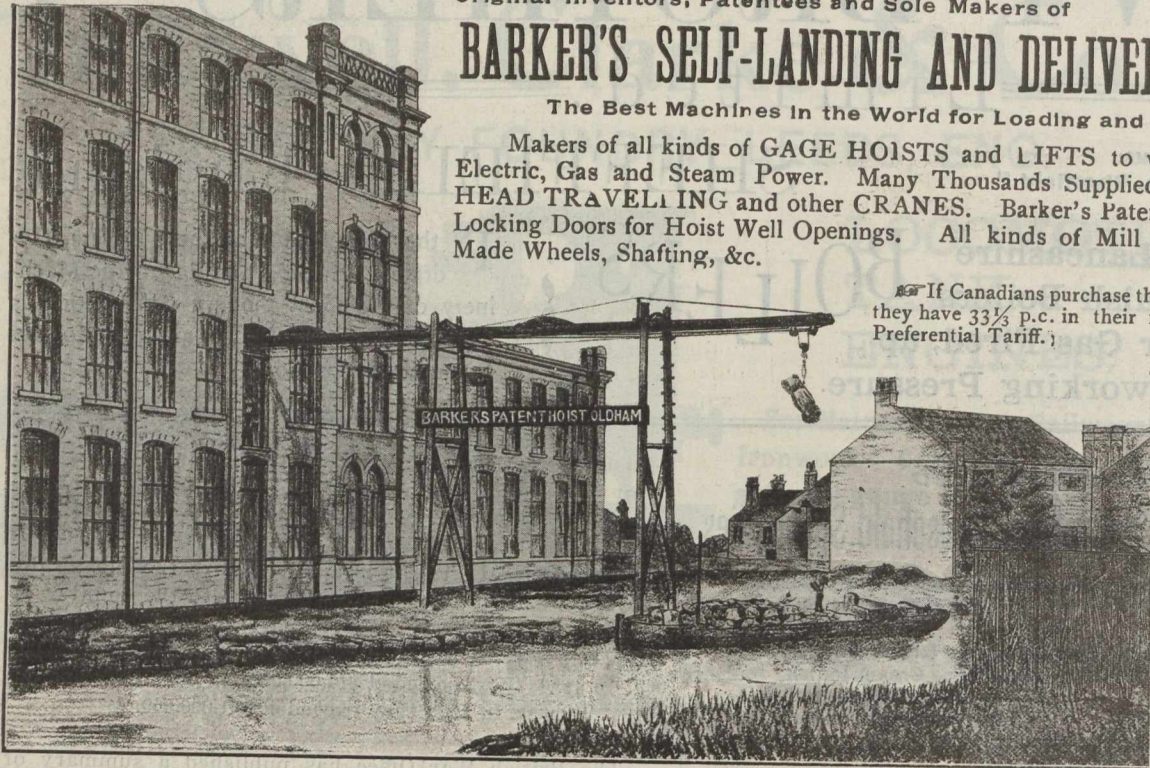
Original Inventors, Patentees and Sole Makers of

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 TRAVELING and other CRANES. Barker's Patent Self-Closing and Locking Doors for Hoist Well Openings. All kinds of Mill Gearing, Machine-Made Wheels, Shafting, &c.

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



Barker's Patent Hoist.

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

OVER 2,000 AT WORK.

—Berlin advices state that five directors on the Trebergtrocknung Company, whose affairs were connected with the failure of the Leipzig Bank, were sentenced by the Criminal Court. One was sent to prison for seven months and fined 10,000 marks. Another received a five-months' sentence, another six months, and two three months, all of these being also fined 5,000 marks.

—St. Petersburg advices state that the Admiralty has lent one of the powerful Baltic ice-breaking steamers to the famous chemist, Prof. Mendelieff, the discoverer of the "periodical law" in chemistry, for his approaching expedition to the Siberian coast and the Behring Sea. Dr. Mendelieff thinks that the ice-breaker will make the voyage

without great difficulty, and expects important scientific results from his investigations.

—From Vienna we learn that there is a complete understanding between Austria and Germany on the sugar question. Both are prepared to meet the demands of Great Britain in a conciliatory manner, and accordingly if the Brussels conference ends successfully sugar bounties will be abolished. Moreover, an abatement in sugar duties by approximating the amount of the premiums will be proposed.

—Beginning with the New Year Germany has taken a step forward in employing women labor in all Government departments, and especially so in two. Between January 1, 1902, and December 31, 1905, according to a Berlin dispatch, 5,000 women and girls are to be employed in the

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.

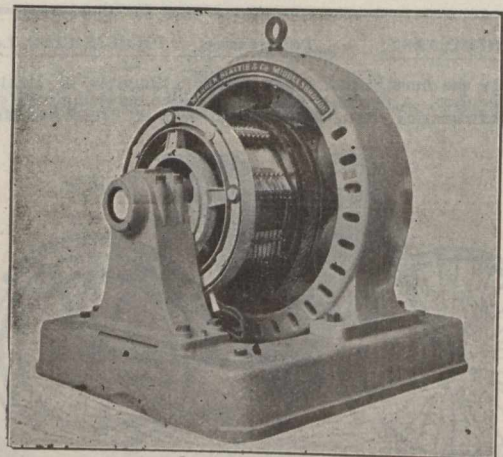
DESSICATED COCOANUT.

JOHN SHORE & SON,
39 Old Hall St.,

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

LIVERPOOL, Eng.

TELEGRAMS:—"Install," Middlesbrough.



90 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.

PATENT BRICK MACHINERY

Telegraphic Address:
"CAMBRIAN, LEEDS"

PULLAN & MANN,

(Successors to THOMAS TITLEY.

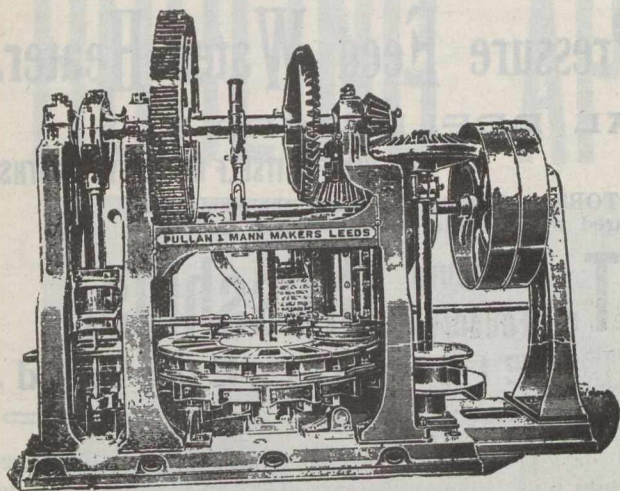
ENGINEERS,

Cambrian Works, Elland Road, - LEEDS, Eng.

MAKERS OF

Patent and Improved Brick, Tile and Sanitary Pipe-
Making Machinery, Engines, Boilers, Shafting,
Gearing, Pulleys, &c.

Complete Catalogue on application.



Special prices to Canadians under the New Canadian Tariff. 33½ p.c., off Tariff in favour of English Manufacturers.

The above Machine will produce from marl, shale, fire-clay, pit-refuse, &c. 10,000 to 12,000 best quality pressed bricks per day, stiff enough to go to kiln without expense of drying, and equal in strength and density to a well-made plastic brick.

State railway offices and in the post, telegraph and telephone services the number of girls employed is to be raised from 7,000 to 25,000.

—The Canadian Pacific Railway propose to commence the construction early this spring of two new elevators at Fort William. One to be built on the tank system, will have a capacity of a million and a half bushels, with the improved hopper bottoms to facilitate the handling of the grain. The other will be a half million bushel cleaning elevator, to handle dirty or wet grain. Both elevators are expected to be ready for the next crop.

—The Von Echa Company have made running arrangements with the Brantford Street Railway Company for entrance into the City. The right of way for the road between Brantford and Paris is now being purchased, and it is expected that the road will be in running order by July 1st. It is the intention of the promoters to extend the road through St. George to Galt, and in all probability later on to Berlin, and connect Berlin and Waterloo.

—Albany, N.Y., advices state that the notable feature of the hearing on the twenty-eight-million-dollar Erie canal improvement bill recently was the reading of a letter from Andrew Carnegie in favor of the project on the ground that it would result in the upbuilding of a great steel industry in Buffalo, and the charge by John R. Platt of Poughkeepsie that the steel combination was endeavoring to secure from the State of New York what would virtually amount to a subsidy.

—The Swiss Government has introduced in Parliament the draft of a new customs tariff bill, intended to serve as a basis for future commercial treaty negotiations. The number of dutiable articles is increased from 500 to over 1,100, the duties on some of the present dutiable articles are increased, and the bill empowers the Bundesrath to increase duties in the case of States imposing high duties on Swiss products, or not granting to Switzerland the most favored nation treatment.

—A letter from James S. Cartwright, of Yokohama, Japan, to the Trade and Commerce Department, says no real attempt has been made to get a market there for Canadian flour and wheat. "If," he says, "you could put me in touch with some big Manitoba millers who could supply us with the best quality of flour, and, if possible, a second-grade flour as well, I think we could develop this line, and I presume the same people would be able to take up the wheat business too. The same gentleman, says there is a good opening there for Canadian lead in the pig and sheet.

—The plan for a union of the larger traction interests of New York under the ownership or management of a securities company was partly disclosed some days ago by the submission to the shareholders of the Metropolitan

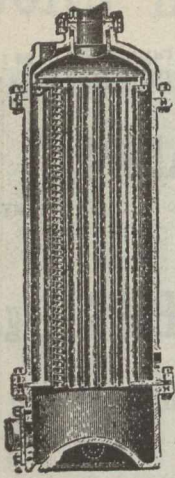
Street Railway Company of a proposition for the leasing of their line. There has come into being the Metropolitan Securities Company, capitalized at \$30,000,000, which has secured control of the Inter-Urban Street Railway Company, into which the Northern, Mount Vernon, West Chester, and Connecticut are merged.

—An order-in-council has been passed prohibiting net-fishing on North Lake Champlain and all tributaries in the Province of Quebec. The use of night lines with more than 100 hooks has also been prohibited in these districts. This legislation is the result of representations made to the Minister of Marine by a deputation from the Fisheries Departments of Vermont and New York States, who waited upon him some time ago and requested that the Dominion Government act in accordance with the Governments of these States, who were anxious to protect the fish supply of the districts.

—There is likely to be keen competition between two rival groups for a charter giving authority to generate electrical or hydraulic power and energy for lighting, heating, motor, and other purposes, and to construct and operate an electric railway from Niagara Falls to Toronto. Mr. Hubert H. Macrae, of Toronto, gives notice of application for incorporation on behalf of one of the syndicates, under the title of the Canadian Power Company. Messrs. Ritchie, Ludwig & Ballantyne, Toronto, are acting for the other parties, who wish to call themselves the Dominion Power Company.

—At the annual meeting of the American Paper and Pulp Association in New York some days ago, the reports showed that the condition of trade was somewhat different in the different divisions. There was a general agreement, however, that, while prices were not phenomenally low, yet they were, as a rule, lower than an entirely normal condition would justify. It was said that while consumers of paper refused to consider the rise in the price of raw materials, yet the general trend of such prices is steadily upward. Raw materials include, chiefly, labor, coal, and spruce wood, although the prices of minor ingredients also show the same tendency. If this rising trend continues much longer, it was said, the price of paper would inevitably be forced up.

—Life Pointers from the Press.—Stand up for your rights, even in a street car. It is your wife's right that your life should be insured, and you are right if you please her.—Every day's delay in insuring your life may add many days of misery to your family, later.—"You may know a man's principles by the things he has an interest in." Are you interested in life insurance?—It's getting to be quite the fashion to be insured. Now, will you be good to the next agent who calls?—Yes, you may realize a fortune. There are two kinds. Which one do you anticipate is to be yours—and which will come to your family? It is for



The "Airedale" Exhaust Steam

Special prices to Canadians
under the New Tar.iff.

Green's Patent.

Pressure Feed Water Heater.

WITH SPIRAL DEFLECTORS.

THE MOST EFFICIENT HEATER ON THE MARKET.

WILL PAY FOR ITSELF IN TWELVE MONTHS.

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

JOHN BARRETT, Eastburn Foundry Crosshills,

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

KEIGHLEY, England.

you to say.—Procrastination is not only the thief of time, but when it gets into partnership with illness it is the thief of life insurance.—Every insurer man or woman "is a unit of a vast army or brotherhood which bears one another's burdens." Join the army and bear your share.

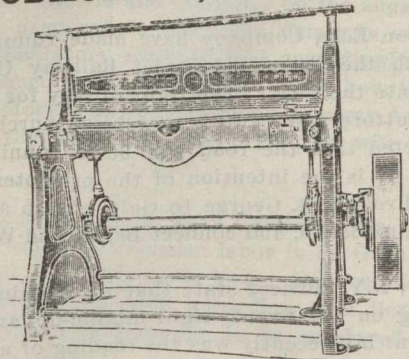
—Application is to be made for the incorporation of a company, to be called the Cyclone Woven Fire Fence Company. The company is to be composed of J. H. Wilcox, H. Buckel, J. E. McGarvin, Mrs. Francis Wilcox, Mrs. A. M. Buckel, of Toronto, and John Buckel of New Hamburg. The chief place of business will be at Montreal, and the capital stock is to be \$30,000.—Messrs. Mackenzie & Mann and their associates evidently intend to engage in the express and telegraph business, judging from a notice given by Mr. Z. A. Lash of Toronto. The notice states that Parliament will be asked to incorporate the Canadian Northern Express Company and also the Canadian Northern Telegraph Company.—Incorporation will be sought at the present session of Parliament for the Metropolitan Bank of Canada.—Application will be made for an act declaring the corporate powers of the Lake Champlain & St. Lawrence Ship Canal Company to be in full force, and extending the time for the completion of the canal.

—Statistics have been received at the Department of Railways and Canals of the traffic through both the American and Canadian canals at the Soo for the season of 1901. The total freight traffic amounted to 28,403,065 net tons, which is the maximum traffic in the history of canals. It exceeds the traffic of 1900 by 2,759,992 tons or 11 per cent. The total number of passengers was 59,663, an increase of 1,108, or 2 per cent. The American canal passed 25,582,038 tons, being an increase of 197,684 net tons over the year

1900 or 8 per cent. The Canadian canal passed 2,821,027 freight tons, being an increase of 785,308 net tons, or 39 per cent. Of the total freight the American canal passed 90 per cent. and the Canadian canal 10 per cent. While the traffic exceeded that of the previous year by 11 per cent. net, this is less than the average annual percentage of increase. But the actual gain of 2,759,992 tons is the largest for any one year excepting that of 4,021,146 tons in 1899. The total cost of transporting freight through both canals last season was \$23,217,974, as compared with \$24,953,314.

A. Kinghorn & Co.,

Phoenix Ironworks, Millwood,
TODMORDEN, ENGLAND.



Single Action Power Squaring Shears.

Canadians have 38 1/2 per cent. in their favor by purchasing these Machines, under the New Canadian Tariff.

BROWETT LINDLEY & CO. LTD.

Patricroft, Manchester England.

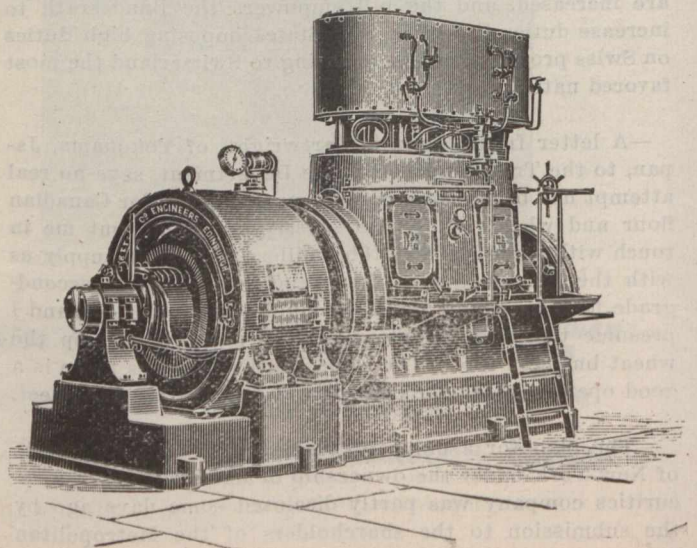
Manufacturers of High-Speed,
Enclosed Type,

STEAM ENGINES.

For Driving Dynamos Direct.

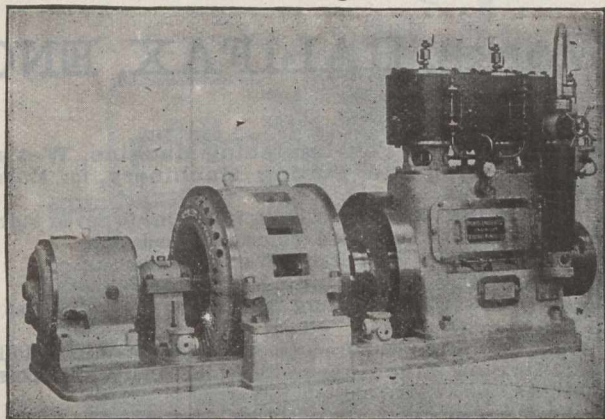
We are pleased to quote for complete STEAM DYNAMOS, completely and thoroughly tested on full load at our works and delivered F. O. B. English Port.

SOUND & RELIABLE BRITISH MANUFACTURE.



Telegrams: "MAGNETO," Bradford.

ROSLING, APPLEBY & FYNN,



LIMITED.

TRAFALGAR WORKS.

Bradford,
Yorkshire, England.

—The Department of Justice is drawing up a contract with the Marconi Wireless Telegraph Company, which will provide that in return for a contribution from the Federal exchequer towards the erection of the company's station in Cape Breton for the receipt and despatch of trans-Atlantic messages by wireless telegraph, the Canadian authorities are guaranteed a reduction in the rates of commercial messages of 60 per cent. This may mean that, instead of costing, as it does to-day, twenty-five cents a word for cables to England, persons will be able to send messages across the ocean for ten cents a word. The Canadian Government is permitted also to employ without royalty the Marconi system as a means of saving life and property along the seacoast and the shores of the great lakes. The equipment of lighthouses with this means of communication in all kinds of weather cannot fail to prove of immense advantage. The aid granted will amount to several thousand dollars, but before a dollar of the money is paid over the commercial practicability of trans-oceanic wireless telegraphy must be demonstrated.

—We learn from Sault Ste. Marie, Mich., that the largest mining deal in the district of Algoma contiguous to the Canadian Soo was consummated some days ago. Frank Perry, a millionaire lumberman, paid \$60,000 to Fred. R. Rice for his holdings in the Superior Copper Company property. The deal gives Messrs. Perry and P. Moran the controlling interest in the company, which is capitalized at one and a half million dollars. The discovery of copper on the property was made by an Indian fifteen years ago. A company of local people was organized for its exploitation a year ago, and such good results were obtained that 680 acres were purchased, and about \$40,000 spent in its development. In the opinion of experts it will prove one of the largest copper producers in America. The property is forty miles from the "Soo," and within three miles of the Algoma Central Railway, now built. Shipping facilities can be had by water twelve miles distant, on Lake Superior. There is a veritable mountain of copper ore in chalcopryite and bornite running 6' to 8 per cent., and it carries well in gold and silver. It is an easy and cheap running property, and all but a few shares are held by local people.

—President S. H. Graves and General Traffic Manager Newell of the British Yukon Railway have agreed to accept the new schedule of freight rates for their line, with some modifications. The schedule was drawn up to take the place of the revised schedule proposed by the company itself. The company's revised schedule, like the one it was proposed to supersede, was regarded as excessive. The new rates as compared with the old for the 90 miles of line

in Canada from the summit of the White Pass to White Horse will be as follows:

Class.	Old.	New.
No. 1, per 100 lbs.	\$2.85	\$1.90
No. 2, " " "	2.84	1.66
No. 3, " " "	2.82	1.42
No. 4, " " "	2.80	1.19
No. 5, " " "	2.75	.95
No. 6, " " "	2.74	.90
No. 7, " " "	2.73	.75
No. 8, " " "	2.72	.73
No. 9, " " "	2.71	.73
No. 10 " " "	2.70	.70

The company has the right under its American charter to charge as high as \$60 a ton for the 21 miles of road from Skaguay to the summit of the White Pass. The Government, however, secures a safeguard against such exorbitant rates by means of a provision which declares that if the Governor-in-Council considers the through rates to be excessive approval of the present tariff shall be cancelled or the rates reduced still further.

—The directors of the People's Loan & Deposit Company, Toronto, recently met to arrange for the holding of a special general meeting to confirm a resolution of the shareholders, approving of the sale of the company's assets, but were not able to arrange a date, as the negotiations were not sufficiently advanced. An offer has been received which will bring the shareholders 40 per cent. of the par value of the stock. This company, we are informed, was organized 27 years ago, but for the past six years has paid no dividends. Ten years ago the stock was worth 118¼, but from that date declined, and in 1900 sold as low as 20. The position of affairs has since improved, and at the annual meeting a year ago a discussion as to the advisability of disposing of the assets of the company showed that the majority of the shareholders present thought it to be in the best interests of the company to continue another year and pay off liabilities. The directors were then authorized to negotiate for a sale, subject to the approval of two-thirds of the stockholders at a special meeting. At the last annual meeting the directors laid before the shareholders an offer equal to 40 cents in the dollar, and the offer was accepted by those present. In the annual statement for 1901, the directors reported that in case it was decided not to sell, the shareholders would in the course of three or four years probably receive 54 cents in the dollar. Last year the gross revenue was \$37,851.99, and the outlay \$20,153.96, leaving a profit of \$5,512.88, after paying interest on moneys borrowed and all office expenses. The statement for 1901 shows assets of \$772,804.90, made up of mortgages and real estate \$655,975.40, cash in banks

Telegraphic Address: "ELKANAH, HALIFAX."

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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' Woodhouse, 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, Reps-de-Lain, Merinos and Manile Cloths, and all other kinds of BRADFORD MANUFACTURED GOODS, viz.: Crabbing, Singeing, Scouring, Washing, Drying, Starching, Tenting, Stretching, Calendering, 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 Tenting 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 Calendering Machines, with Five Rollers.****Improved Lancashire Jiggers.****Makers of the Newest Construction of Machines, for the Dyeing, and Finishing, of Cotton Velvets, Velvet Plush, etc.; Treadles, Pegging Machines, Jiggers, Tubs, Crating machines; Waxing, Painting and Brushing Machines; Lustreing, Tenting, Beating Nellites, One Cylinder Brush, and Damping Machines, Dye Vats, etc.**

\$1,773.63, cash in hand \$696.71, furniture \$300, accounts \$79.89, and profit and loss \$113,979.27. The liabilities are composed of debentures and accrued interest \$63,183.56, and borrowed on mortgages \$14,357.88, making a total of \$172,804.90 owing to the public. The capital stock of the company amounts to \$600,000, in \$50 shares, subscribed and fully paid up. Hon. J. C. Aikins is President of the company, and S. W. Black Manager.

—The Federal expenditure upon Government railways since July 1, 1867, on capital account amounts, according to an Ottawa report, to \$131,559,977. This includes \$25,000,000 granted to the Canadian Pacific Railway, and, together with \$26,034,763, charged to consolidated fund and \$87,130,623 paid in for working expenses in connection with Government railways, makes a grand total of \$244,725,163. The gross earnings of all the Government roads for the

past fiscal year amount to \$5,213,381, and compared with those of the preceding year show an increase of \$439,219. The gross working expenses amounted to \$5,739,051, an increase of \$1,073,823. The net loss on the operations of the year was \$525,670. The gross earnings of the Intercolonial for the year amounted to \$4,972,235, an increase of \$420,164, and the working expenses \$5,460,422 (including \$140,000 rent paid for the extension into Montreal, being an increase in comparison with the previous year (when \$164,694 was paid for such rental), of \$1,029,017, the excess of expenditure over earnings being \$488,186, against an excess of earnings over expenditure in the previous year of \$120,667. Of the expenditure for the past year, the item of "locomotive power" is answerable for \$1,970,987, an increase of \$585,917. Comparing the earnings with those of the previous year, the passenger traffic produced \$1,607,166, or 32.32 per cent. of the gross earnings, an increase of

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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

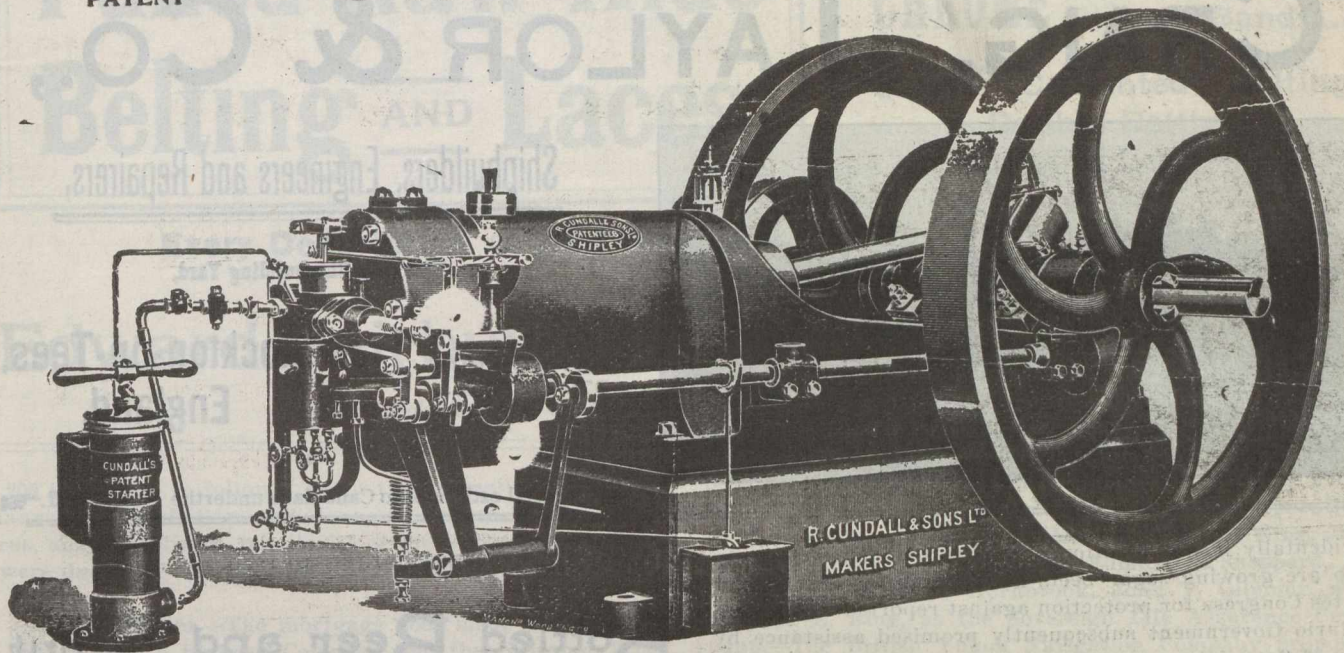
Boss Shells or Spindles Supplied. Centre Shafts—Steel, Case-Hardened or Ordinary. Prices on Application.

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

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

**SHIPLEY,
ENGLAND.**

\$202,696; the freight traffic amounted to \$3,121,006, or 62.77 per cent. of the gross earnings an increase of \$208,215.63, and the carriage of mail and express freight produced \$244,062, or 4.91 per cent. of the gross earnings, an increase of \$9,251. The earnings per mile of railway were \$3,782, an increase of \$319. The number of passengers carried was 2,025,295, an increase of 233,542. Of freight 2,111,310 tons was carried, a decrease of 39,898 tons. The through freight increased 40,359 tons, and the local freight decreased 80,257 tons.

—At the recent annual meeting of the Ontario Lumbermen's Association at Toronto the president, Mr. John Waldie, reported that wages are higher than in the lumbering industry in the United States; that stocks in Canada are low, and that the prospects for the coming season were good. Mr. Waldie in closing said: "We do not think the interests of this country are forwarded by negotiations with the United States looking to a renewal of any kind of reciprocity treaty, nor by discussions about the 'balance of trade.' We serve our best interests by pressing our own provincial and Dominion Governments to legislate for Canada alone, and it would be unwise for a member of this association to speak of any legislation that we are promoting as retaliatory." In conclusion, he expressed the view that the Dominion Government should put wood products on the dutiable list, so that in a period of depression and to offset the American on through rates from the south, a tariff would act as a hindrance and thus prevent Canada from becoming a slaughter market. The secretary, Mr. Tindall, reported the white pine cut in north-western Ontario at 466,000,000 feet, as compared with 436,000,000 feet in the preceding year. On December 31 there were 181,000,000 feet on hand, a decrease of 35,000,000 feet, as compared with last year. Prices, it was reported, would be firmly maintained, if not increased. The production of Michigan, Wisconsin, and Minnesota showed a decrease in 1901 over the previous year for 112,881,000 feet, while the stocks of lumber stored at the mills also show a decrease for the same period of something like 529,229,000 feet. The stocks on hand are the lowest since 1894, though the re-

quirements of the market, both for distributing and manufacturing purposes, practically remain the same; and there can only be one effect, namely, firm or increased prices. The following officers were elected for 1902: Mr. John Waldie, Toronto; first vice-president, Mr. Robert Watt, Warton; second vice-president, Mr. N. Dymont, Barrie; secretary-treasurer, Mr. William B. Tindall, Toronto. Board of management, Messrs. J. T. Conlon, Thorold; W. L. White, jr., Midland; John Bertram, W. A. Charlton, J. B. Miller, Robert Laidlaw, C. Beck and R. Watt.

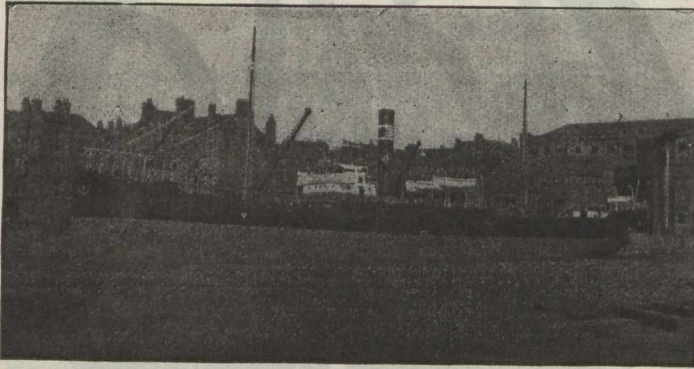
—The John Calder Company's stock, at Hamilton, was sold by auction. It was valued at \$19,031, and was purchased by John Riach, Hamilton, at 63 cents in the dollar.

—The Ontario Beet Sugar Association held its third annual meeting in Toronto recently. One difficulty that has cropped up in an unexpected quarter is the opposition shown by Farmers' Institutes delegates in their addresses throughout the province. Mr. Snider, of Warton, said he had met these Government officials in Lambton County last year, and was obliged to fight them also this winter and refute their arguments of soil exhaustion caused by beet-growing. A similar complaint was made by Mr. Annis, of Whitby, who thought that the popular ignorance on the subject was too well represented in the institute organization. This adverse influence was not exerted in every locality, but some delegates, on finding beet-raising to be unpopular in any place, would take advantage of this fact to further prejudice the farmers against it. A resolution was framed, and the members of the association will interview the Provincial Government asking for the appointment of men who will co-operate with the institute speakers in educating the farmers in such districts as may be necessary. Another request that will be made from the Government is for a liberal grant of money to help the association in its educative work, possibly through the publication of pamphlets on methods of cultivation. The Dominion Government will also be approached by a delegation urging assistance either in the form of a bounty or countervailing duties on bounty-produced sugar from Europe.

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Thornaby Shipbuilding Yard,

GRAVING DOCK
 570 Ft. Long.

Stockton-on-Tees,
 England.

Special estimates to Canadians under the New Tariff.

Incidentally it was mentioned that the Michigan farmers who are growing sugar beets are holding up the United States Congress for protection against reported sugar. The Ontario Government subsequently promised assistance by way of financial encouragement.

—Consul Kenneday, of Para, reports that the receipts of rubber at that port at the end of last year were nearly 30 per cent. greater than ever before at that season. The heaviest shipments are usually received in January, February, and March; there was reason to believe that this season's rubber crop would exceed that of last year by a very considerable margin. The rubber gatherers have been outdoing themselves in their efforts to collect an unusual quantity of rubber. In the previous year business was good, credits were easy, and the rubber collectors indulged in many luxuries. They bought better food than usual, and treated themselves to watches, jewellery, and expensive clothing; but the end of the season found a crisis at hand, for exchange was rapidly rising, the gatherers were deeply in debt, and the price of rubber had fallen 20 per cent. So this year they are making a desperate effort to pay off their indebtedness and take a fresh start. They are getting a large proportion of their food from the streams and forests by hunting and fishing. They are buying only absolute necessities and are working overtime to increase the crop and liquidate their bills. It was reported at Christmas that there were then on the way down the river from the upper tributaries of the Amazon about 700 tons more rubber than had ever before been shipped from that section in one season, and there were at least

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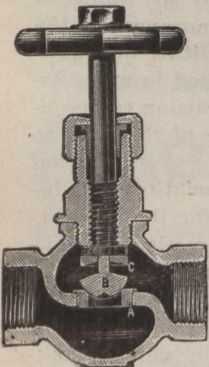
Bass & Co.'s Pale and Light Bitter Ales, and Guinness's Extra Foreign Stout.

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

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The "SHAW" Patent Improved Valve..

FOR STEAM OR WATER



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

The "SHAW" Patent Universal Union Joint

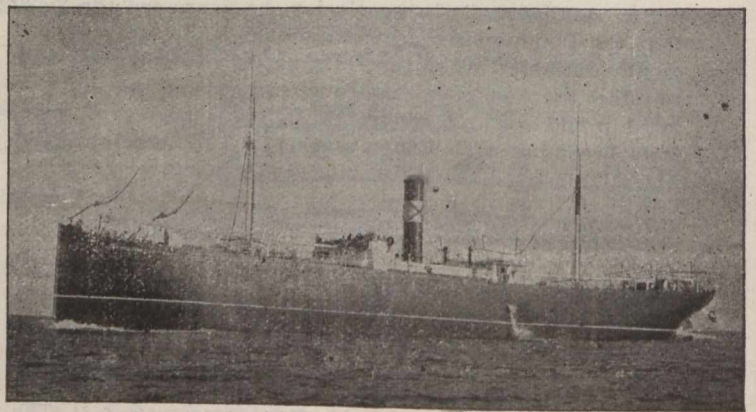
For Coupling pipes at an Angle, is the most Up-to-Date Coupling in the market. Send for full particulars of this and other "Shaw" specialties to . . .

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Telegrams: "GOVERNOR," Huddersfield,

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



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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.

200 tons more to follow. About thirty small steamers and launches had left Para and Manaos for the Acre Jurua, Purus, and Beni Rivers, tributaries of the Upper Amazon, and were due to return to Para in February with their loads.

—Ottawa Notes.—The mortgage deed made between the Bay of Quinte Railway Company and the National Trust Company, Limited, securing an issue of bonds made by the former company with respect to its lines of railway, has

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MONTREAL. TORONTO. VANCOUVER.

Manganese

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been deposited in the Secretary of State's office.—Mr. Arch. Campbell presented a petition asking for the incorporation of Thomas Dunnet, Robert E. Menzie, Josiah B. King, Jas. Glanville, George W. Clendennan, Edmund E. Sheppard, A. W. Hoover, John T. Hornbrook, John T. Gilmour, and Edmund E. King, as the Sovereign Life Assurance Company.—The British Yukon Navigation Company proposes to try the experiment of using crude petroleum as fuel on its steamers between Dawson and White Horse, beginning in May next. F. H. Chrysler, K.C., legal agent for the company, called at the Inland Revenue Department and asked if Government test would be required for the oil used. He was told that the flash test applied to illuminating oil only.—The reduction of the tariff on news printing paper from 25 to 15 per cent. ad valorem is gazetted.—An order in council has been passed giving the Minister of the Interior power to dispose of any gold-mining claims which have been cancelled for default in paying the royalty, or in consequence of fraud or false statements.—The capital stock of the Alaska Feather & Down Company has been increased from \$50,000 to \$100,000.—The Dominion Bridge Company has been permitted to increase its capital from \$500,000 to \$1,000,000.—The Canada Preserved Butter Company of Montreal has been granted incorporation, with a capital stock of \$200,000.

—Prospects for rapid increase of population in the Canadian West are showing brighter each season. "I do not believe that in stating that the total number of American settlers who will cross the lines into Western Canada this year will be 50,000 that you are giving anything but a conservative estimate," said Mr. C. W. Speers, the Dominion colonization agent, who returned to Winnipeg recently from Crookston and Hallock, Minn., where he has been addressing meetings attended by agriculturists, called in the interests of emigration. The meetings at both of these places were very largely attended, many of the farmers having driven 16 miles. The farmers, said Mr. Speers, "were

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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.

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LARD OIL.

For delicate machinery is the finest known.

BAR MOTTLED SOAP.

IRVEN BROTHERS, LIVERPOOL, ENG.

Under New Canadian Tariff Law.

eager not only to know about Western Canada, but wanted to know just how they should invest their money and leave the States at once. They were given straight facts to lead them and found these convincing enough. I advised them to wait until the weather moderates before crossing the line to settle, but many are so anxious to get an early start that it won't be long now before the first arrivals will reach here." Mr. Speers states that the settlers will come from all parts of the Republic; that Minnesota will be especially well represented, and that Kansas and Mexico, Ohio, Missouri, Nebraska, and, in fact, from every agricultural state where land is becoming crowded, a pouring out of farmers seeking for new homes and broader

fields will be seen. A feature of this class of immigration is that a large percentage will have ample means to make a splendid start in the new country.

—A conference was held in the Hamilton City Council chamber some days ago between Mayor Hendrie and a majority of the aldermen of the city and representatives of the Canadian Portland Cement Manufacturers' Association, the Council being urged to give the city contract for cement to Canadian makers, in preference to makers in the United States. The association was represented by the following: Messrs. W. J. Hainey, Toronto, President; Geo. S. Kilburn, Owen Sound, Vice-President; G. A. Masten, Toronto, Secretary; F. G. B. Allen, Deseronto; R. Locke, Toronto; John Lucas, Toronto; J. D. Flett, Owen Sound, and John T. Irwin, Hamilton. The deputation stated that the association was not a combine. There were eight companies in it, with a capital of \$5,000,000, and a capacity of 800,000 barrels a year. The market in the Dominion was wanted for Canadian firms, not for any particular manufacturer. The representatives said the Canadian market was being made a slaughter market by United States manufacturers. The deputation was assured by

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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.

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

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

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32 ANGEL STREET,

Leather Merchants and Mill Strap Manufacturers.

the Council that the desire was to encourage Canadian manufacturers, but Ald. Morden pointed out that last year the lowest Canadian tender for this city's cement was \$15,000 higher than the lowest United States firm.

—The Canadian Pacific Railway continues to be active, at West St. John, N.B. This week, according to a dispatch, there are 600 carloads of export package freight waiting to be loaded on steamers at Sand Point, and 323 carloads at McAdam, and every siding along the line is full. The Canadian Pacific Railway elevator has 300,000 bushels of grain awaiting shipment, while the Intercolonial structure, which cost the country \$160,000, is said to be empty. All the Sand Point berths being engaged, the steamer Fitzclarence, with 1,300 tons of inward freight, was compelled to dock at the Intercolonial Railway terminus, and the freight, although consigned to the Canadian Pacific Railway, was taken by the Intercolonial Railway. The cargo amounted to nearly 40 carloads, and the freight on it to Montreal amounted to close on \$2,000. Were the Intercolonial terminus under other control of the Canadian Pacific Railway, it would be able to unload the Fitzclarence cargo and haul it over its own line, but as the terminus is managed by the Intercolonial Railway, that company exercises its privileges and refuses to come to any agreement with the Canadian Pacific Railway.

—Local railway managers are engaged getting into shape the programme for car building to cope with the usual rush of business which occurs in the fall. The Canadian Pacific is finishing an order of 800 flat cars at their shops in Perth, which will be used to handle the immense lumber business which offers itself at the opening of spring. When this is filled the shops will begin work on box cars, and

from 10,000 to 15,000 additional will be in commission before the next wheat harvest. The Grand Trunk shops are also cleaning up orders, and the executive is preparing estimates for a large order of box cars. Both roads are building locomotives, and also have orders placed with the Kingston and with the American Locomotive Works. Passenger cars are also under construction in both shops, some exceeding fine coaches being built in the Hochelaga works of the Canadian Pacific Railway for the Imperial Limited. The Quebec Southern has purchased seven coaches, for delivery this month, from the Hicks Locomotive and Car Works, of Chicago. Four of these will be straight passenger, with a seating capacity of sixty-four. The remaining three are combination cars.

—Within the last three days, says an Austin, Texas, dispatch, a number of insurance companies which have been doing business in Texas have informed the Secretary of State that they have withdrawn from the State owing to the operation of Anti-Trust Act, which requires that the executive officers of such company shall make affidavit that it does not belong to any bureau or organization which has for its object the fixing or the maintaining of insurance rates. Nearly all of these companies are European concerns. State Commissioner of Insurance Johnson has been advised that there are eleven insurance companies which did business in Texas last year that have announced their intention of withdrawing from this State. This will make eighteen insurance companies to leave the State on account of the Anti-Trust law enforcement. The suits recently instituted in Young County against four insurance companies for heavy penalties for alleged violation of the Anti-Trust law have aroused these companies to resolve to quit the Texas field.

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THE LEEDS ENGINEERING & HYDRAULIC Co.,

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ELECTRICALLY DRIVEN PLANT.

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

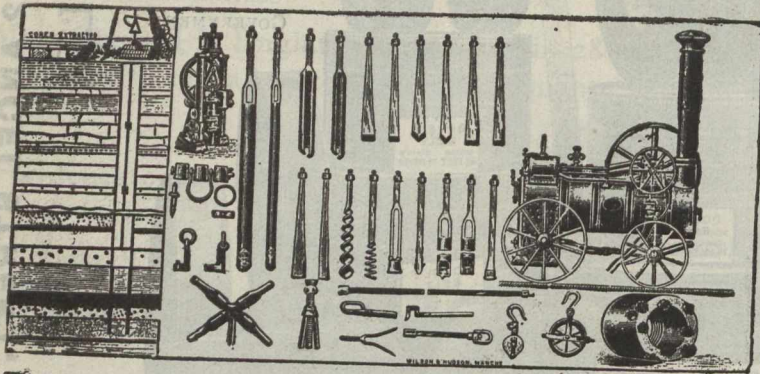
Special prices to Canadians under the new tariff.

Contractor to H. M. Government.

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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 kind of

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

Special Estimates under the New Canadian Pre-ferential Tariff.

—A Parry Sound report of recent date has it that the important announcement is made semi-officially that the Northern Navigation Company, of Collingwood, has acquired all the stock of the North-Western Transportation Company, more popularly known as the Sarnia or Beatty line of steamers, which are run from Sarnia to Sault Ste. Marie and Lake Superior ports. About a year ago the Collingwood company secured controlling interest in the stock, and so satisfactory was the business last year and so promising is it for the future that that company lost no time in acquiring the rest of the stock. This will give the Northern Navigation Company control, practically, of the Canadian tourist traffic on the upper lakes. The lines thus amalgamated will in all probability be under one management, though this point will not be definitely decided upon for a few days. New energy will be put into service from Sarnia by the addition of the magnificent steamer Huronic, now approaching completion at Collingwood.

—A statement of the affairs of John Lavallee, merchant, of St. Charles County, Bellechasse, Que., whose assignment was referred to in a former issue, has been prepared. The liabilities are \$77,281, and assets \$68,700. The latter consist principally of stock in trade valued at \$25,000, and book debts and promissory notes amounting to to \$37,000. His principal Quebec creditors are J. B. Renaud & Co., \$29,120; Thibaudeau Freres & Cie., \$6,250; Drouin Freres & Cie., \$1,711; Renaud & Cie., \$1,429; Rock City Tobacco Company, \$1,148; from Montreal, the Gault Bros. Company, \$9,227; Canada Hardware Company, \$6,240; J. Finlay & Son, \$540; Imperial Oil Company, \$482; Lang Mfg. Company, \$499; Kearney Bros., \$586; James Coristine & Co., \$586; Thos. Davidson Mfg. Company, \$822; P. S. Doyle & Co.,

\$403; J. G. Mackenzie & Co., \$440; Hodgson, Sumner & Company, \$377 Mr. George Lefaivre has been appointed provisional guardian and the meeting of creditors is fixed for the 27th inst.

—Advices received indicate that the Elder-Dempster Steamship Company will not enter into any rate agreement with other companies that will tend to check the immigration business. This decision is of special importance in connection with British emigration to Canada, and means that present rates for emigrants will remain in force next spring, when a great exodus to Canada is expected. The Montreal manager of the Company said that the matter referred entirely to steerage business. The Elder-Dempster Company joined the British and Continental lines as regarded first and second cabin business. Another reason for not advancing rates was that the immigrants from the Continent, and particularly those from Norway and Sweden, are settling in goodly numbers in the North-West, and an extra pound or two on the steerage rate, added to the railway fares of the Far West, made it difficult for these people to immigrate.

—The result of Accountant C. S. Scott's digging into the mixed-up affairs of the Hamilton Public Library has been given out. The discrepancies began in July, 1900, when Librarian Lancefield obtained two cheques for \$125 each for

JAMES NORTH & SONS,

Chamois' and Gloves

...AND...

Athletic Goods Manufacturers.

Harvest Gloves. Driving and Dress Gloves, House-
maids' Gloves, Gardening Gloves, White Cow-Hide
and Seal and Tan Mitts. Cricket, Tennis, Foot-
balls, Boxing Gloves.

**CASH
BAGS,**

DRESSERS AND MANUFACTURERS.

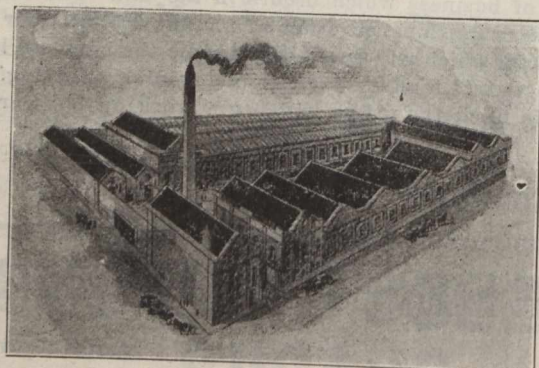
Godley Mills,
and Tower Street Works,

HYDE, Manchester, Eng.

Established 1861.

.. Bootle Jute Factory Co., Limited ..

SPINNERS
AND ...
MANUFACTURERS.



JUTE BAGS AND BAGGING.

JUTE SACKING & SHESSANS.

DUNDEE WORKS,

BOOTLE, - Liverpool, Eng.

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

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

FOR ALL

Refrigerating Purposes.

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

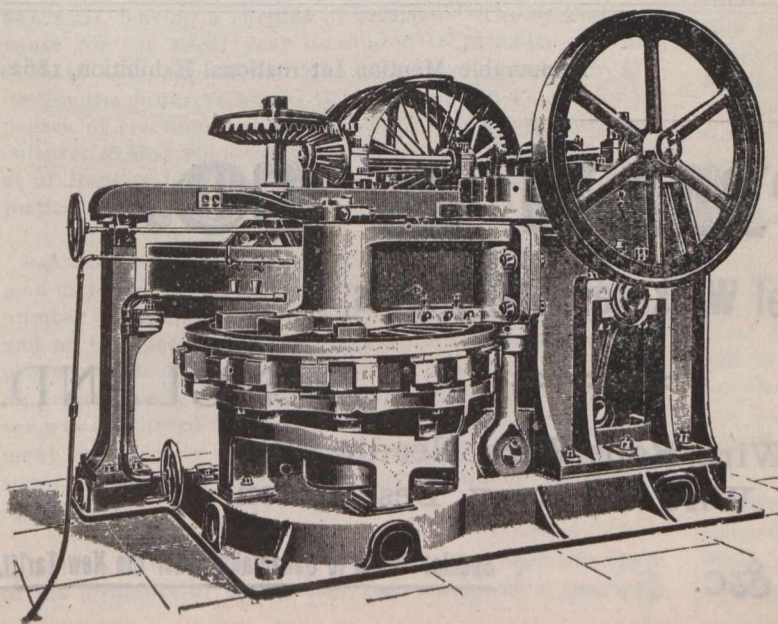
Special estimates to Canadians under the New Tariff.

his own salary. In October following he drew \$150 on account of assistants' wages in excess of the rightful amount, making a total of \$275 overdrawn in that year. The bank book showed a total drawn for salary during the thirteen months beginning January, 1901, and ending January, 1902, of \$3,875, or \$2,250 over and above the librarian's salary. The cheques drawn for the wages of the assistants amounted to \$4,923 in the same month, as against \$2,890 actually due, the total overdraft on this account being \$2,033. There

was a deficiency of \$150 for rent, and the Government grant, \$200, could not be accounted for. The fees and fines amounted to \$402, and this was taken by the librarian. The total shortage was \$5,310.

—An order in council has been passed providing for the payment of a drawback of the duty paid on imported materials used in the manufacture of machinery and structural iron and equipment of factories for the manufacture

Telegraphic Address:
"ALEXSON, LEEDS."



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

Herbert Alexander & Co.
LIMITED.

Queen's Engineering Works

Water Lane,
LEEDS, Eng.

ESTD 1865

TELEPHONE 999.

Chambers Bros

EFFINGHAM MILLS,
SHEFFIELD,
ENG.



STEEL MOULDERS' COMPOSITION

SPECIAL PAINT FOR THE SURFACE OF MOULDS.

GROUND GANISTER

PATENT NON-CONDUCTING CEMENT FOR STEAM PIPES & BOILERS.

GROUND MORTAR &c.

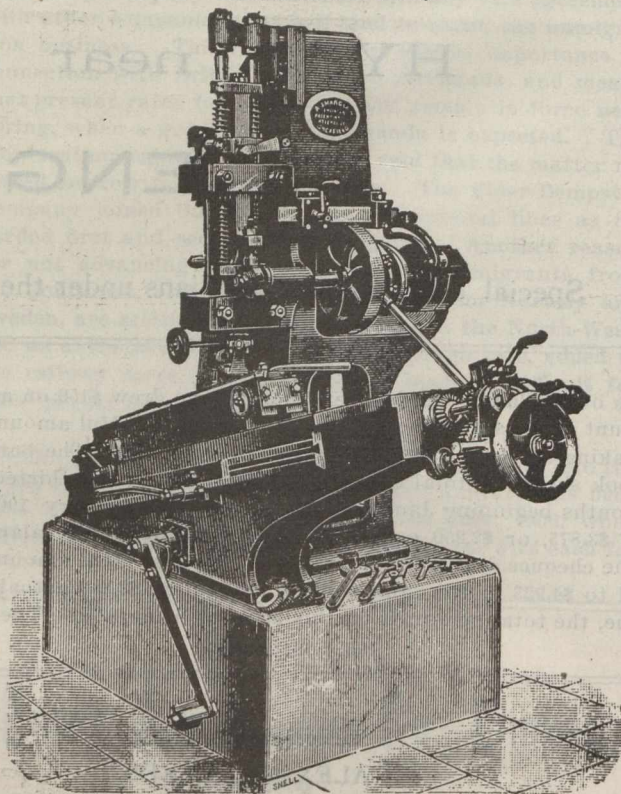
of sugar from beet root. By an amendment to the tariff made last session, provision was made for the free entry of such machinery and structural iron and steel, and the object of this order is to place the Canadian manufacturer of these articles in as good a position as his foreign competitors. The time for the free admission of such machinery and steel expires on the 1st April, 1902. It is provided that the drawback regulation referred to shall apply only in respect of machinery and structural iron and steel manufactured and sold for bona fide use in the construction of and equipment of factories for the manufacture of sugar from beet root, during the time when the imported machinery and structural iron and steel aforesaid are exempt from customs duty.

—Canadian woollen manufactures are now taking a practical view of the woollen situation. In connection with the campaign for higher duties on imported woollens, says a Toronto letter, a meeting of the woollen section of the Canadian Manufacturers' Association made arrangements for the exhibit of Canadian woollen goods, which it is proposed to show in the Parliament buildings at Ottawa, Hon. Mr. Tarte having granted the association the use of a room. The exhibit will be in place next week, and will remain for about two weeks. All the large manufacturers of the Dominion will show samples of their goods and practical woollen men will be on hand to explain the various lines to the members of Parliament. The idea of the exhibit is to show the members what can be manufactured in Canada.

—An extensive plant for the manufacture of Westinghouse electrical machinery, etc., is under construction at St. Petersburg. A company called the Westinghouse Elec-

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:

POCKET NOOK,
ST. HELENS,

Lancashire, England.

MORE LIGHT! MORE LIGHT!

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

trical Works has been organized under the Russian laws for the purpose of operating the plant, which will turn out electrical equipment, principally for the Government. A subsidy of \$1,500,000 has been granted by the Russian authorities. The capital of the enterprise is \$3,000,000, mostly subscribed by Moscow parties. The plant, which will cover 28 acres, and employ some 1,500 men, will, it is said, be one of the most modern and most complete works of its description in Continental Europe. Everything, other than the castings, which will be imported from the United States, will be manufactured at the St. Petersburg factory.

—The Crown Whitewear Company, with head office at Toronto, has been incorporated, with an authorized capital of \$100,000, and A. C. Rogers, T. C. Hallam and George Kappel provisional directors.—The Oshawa Canning Company has received a charter, with an authorized capital of \$100,000, with M. F. Smith, J. S. Beaton, E. J. McDowall and J. W. Babcock, all merchants in Oshawa, and C. A. Smith, Port Hope, manufacturer, provisional directors.—The International Lumber Company, has been incorporated, with a capital of \$100,000 and head office at Sault Ste. Marie.—Other new companies are: Ramage Process Company, Toronto, \$40,000 capital; Enterprise Specialty Company, Toronto, \$40,000 capital.

—The public accounts of the province of Quebec show the total receipts from all sources for the fiscal year ended June 30 last, to have been \$4,973,683, and total payments, \$4,678,354, leaving a surplus of \$295,328. The special warrants for the fiscal year amounted to \$186,612, of which \$149,717 were expended. The largest of these were \$25,000 for the sufferers by the Ottawa-Hull fire, \$75,000 for expenses of elections (of which \$38,764 was expended), agriculture, \$9,831; colonization, surveys, etc., \$56,000; funeral of Honourable Mr. Marchand, \$9,833; administration of justice, \$6,106.

—A Toronto letter of the 15th instant reads: Beet sugar men met here to the rallying cry "on to Ottawa." Quite a number of factories will be ready to produce sugar this fall and at the meeting of the association it was stated that prospects are bright. One thing is needful. The tariff on sugar is only \$1.26 per hundred pounds, and a committee was appointed to go to Ottawa and urge on the Government the necessity of increasing the duty to keep out beet sugar produced in Continental Europe under the bounty system.

—From Akron, Ohio, we learn that at a meeting there of the directors of the Quaker Oats Company a quarterly

dividend of 1 1/2 per cent. on preferred stock was declared. The directors elected are: H. H. Crowell, Cleveland; T. E. Wells, Chicago; Robert Stuart, Chicago; J. H. Andrews, Akron; James H. Parmelee, New York; M. T. Herrick, Cleveland; W. D. Douglass, Cedar Rapids, Ia.; Hon. George A. Cox, Toronto, Can.; P. E. Walker, Toronto, and J. G. Schmidlopp, Cincinnati. The capitalization of the company is \$12,000,000.

—Settlement in Northern Ontario is proceeding rapidly. According to a return issued by the Crown Lands Department, 1,367 families were located on 148,142 acres of free grant land last year, and 43,761 acres of land were leased for agricultural purposes. The mineral production has increased to a very remarkable extent. The pig iron yield alone was 116,370 tons, as compared with 33,984 tons. Steel to the amount of 14,471 tons was produced, and 4,444 tons of nickel and 4,197 of copper.

—A Kingston, Jamaica, paper gives prominence to a report circulating in official circles there, to the effect that an American syndicate is making tentative inquiries with the view of acquiring control of the Jamaica Government Railroad. The paper says a representative of the syndicate is now here looking over the line and studying the prospects of the road.

—The shipping of canned tomatoes from Canada to the United States still continues. There is a great shortage there. In New York the price per dozen is \$1.30, while on this side of the line the same goods are worth 87 1/2c at canners' price. The price paid by the Americans in Canada for the goods is about five cents more than this, and they also have to pay the 40 per cent. duty. Up to the present time about 60,000 cases of tomatoes have been shipped to New York and other American cities, and there is no lessening of the demand. It is stated that some of the tomatoes have been sent to South Africa.

—The Nova Scotia Steel and Coal Company, says a Halifax letter, have selected Sydney Mines as a location for its blast furnaces. It is stated that work on the furnaces will be commenced within a few weeks. The contract for the pipe necessary to install the new water system has been awarded by that town to the Londonderry Pipe Foundry Company.

—The paragraph on page 796, in our issue of 14th inst., referring to increase in capital stock of the Hochelaga Bank, should have read: The capital of the institution will thereby be increased from \$1,500,000 to \$2,000,000.

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. McGOON, 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.,
171 St. James Street, MONTREAL.

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

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

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



Insurance.

PHENIX ASSURANCE CO'Y
OF LONDON, ENG.
Established in 1783. Canadian Branch Established in 1804.
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.
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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.

FIRE. LIFE. MARINE.

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

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

THE CANADIAN
Journal of Commerce.
MONTREAL, FRIDAY, FEBRUARY 21ST, 1902.

THE MANUFACTURERS' LIFE INSURANCE CO.
The Manufacturers' Life Insurance Company comes out this year with its original title, having ceased to use that of the Temperance and General, with which it was amalgamated in 1900. The shortening of the company's name was wise; long, cumbersome titles are a drawback to a company, and somewhat of a nuisance to all who have to use such elaborate titles.
The Company issued 3,395 policies last year for \$5,023,401, which was an excellent result of the year's work. The total assurances now in force amount to \$27,139,424, of which \$8,045,449 is in the Temperance Section, \$16,640,000 in the General, and \$2,553,955 in the Foreign. It will be noted that although "Temperance" is dropped out of the title, it is a recognized class of the company's business.

The net premiums received were \$923,103, which amount exceeds 1900 by \$68,493. The interest receipts were \$181,719, making a total income of \$1,104,821. The death claims paid were \$169,622, policy-holders were paid \$33,607 for matured endowments, investment policies, and annuities, they also were paid \$32,843 for profits and surrender values. The total payments to policy-holders amounted to \$236,073.
The company owns \$3,772,477 in assets, nearly the whole of which consist of government and other high class bonds, and mortgages on valuable real estate. The liabilities for reserve for policies and annuities, and other claims amount to \$3,270,155, which sum being deducted from \$3,772,477, the total assets, leaves \$502,322, which is the Surplus on Policy-holders' Account. For security of policy-holders the company holds, \$3,210,710

Mutual Reserve Fund Life Association

FREDERICK A. BURNHAM, PRESIDENT.

EIGHTY-ONE THOUSAND POLICY-HOLDERS.

Total Assets, \$12,264,838.21.

THE TWENTIETH ANNUAL STATEMENT

Shows that the 1900 Business Brought

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

...AND..

An Increase in Insurance in Force.

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

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

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

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

Montreal Office, - - La Presse Building.

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

UNION ASSURANCE SOCIETY OF LONDON.

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

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

ONE OF THE OLDEST AND STRONGEST OF FIRE OFFICES.

CANADA BRANCH:

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

T. L. MORRISEY, Manager

as Reserve, a Surplus of \$502,321; and uncalled Capital Stock, \$1,200,000, making the total security for policy-holders, \$4,913,022, which indicates a sound situation and that the company is making healthy and substantial progress. We refer to the full Report, which appears on a later page in this issue.

Mr. J. F. Junkin, Managing Director, is now on his way to India, Japan, China, Australia and other eastern parts, where the company has agencies already or opportunities offered for business.

HARBOUR MATTERS.

We gather from the reports of the last meeting of the Harbour Board, held on Monday, that there is a prospect, at last, of the members settling down to a serious consideration of the means for obtaining a comprehensive plan of all the requirements for equipping the harbour to enable it to compete for the future trade of the country, and prevent its diversion to American Atlantic ports. That point was raised by a letter to the Board from the Hon. Minister of Public Works, calling attention to his letter of last fall, asking that a general plan of all that was required to perfect the equipment and offering the services of the Government engineers to assist in preparing it. To that letter he says no reply has been received.

It was then decided by the Board to act promptly in the matter and to obtain the views of the railroad interests and consult the engineers of the Public Works Department on the whole plan to be recommended. What the outcome of this will be is a very important matter.

A few weeks ago the shipping interests made an elaborate report on the subject, from their standpoint, which was far from being satisfactory. Among other things they suggested that the level of the piers was too high and that the railway tracks should be kept, practically, on the old level. That suggestion was revolutionary after all that has been done, and, however reasonable it might have been, if it had come at an earlier day, it is now too late to entertain it. It will be interesting to know the views of the railway men, they are generally credited with knowing what they want and what will best subserve their own interests. Their primary object, of course, is to get on to the wharves alongside of the ships with the greatest facility.

It must be admitted that hitherto the railway business on the wharves has been conducted under difficulties it does not encounter at other ports, because the cars have only been allowed to move on the wharves in the night time. The railways have always sought to have this restriction removed in the interest of the trade of the port.

Now, when the whole system is to be re-organized, this matter is worthy of the most serious consideration. In the near future it is evident that more railways will be seeking an entrance into the harbour, and it is of vital interest to the trade that the cars should have free access thereto at all hours of day and night. The position of the harbour is such, however, that the railway traffic and the ordinary foot and vehicular traffic cannot be carried on the same level without the danger, if not certainty, of daily loss of life and property. There can be no possible difficulty from a workable, engineering point of view in providing for these different levels and now is the time from an economic standpoint to prepare for it.

This general plan of the required equipment—embracing elevators, railway tracks and sheds—and how and under what regulations they are to be worked is a very large question. It is true, as the Minister of Public Works points out, in his last letter to the Board, that the progress on the harbour works has not been such that the contemplated measures—with the possible exception of the elevator—could be brought into use for some time to come. That is the undoubted position, but it is only what might have been expected and what was predicted from the time when the present plan of high level wharves was resolved upon. The time will come, however, when these requisites for the trade can be brought into use and no further time should be lost in deciding on the character and the working of them.

Judging by the past it will take a long time for the eleven members, with such diversified interests as those composing the Harbour Board, to agree upon any general plan such as that called for and the sooner they have it before them the more hopeful the outlook will be for a wise decision when the time arrives for giving full effect to it. It is to be hoped that a strong will and a strong hand will bring pressure to bear on the present divided counsels so that no more time will be lost in preparing to carry out a judicious general plan of operations.

We observe that the "Roving Commission" from the Board, to which we alluded in a previous issue, has made an elaborate report of its investigation into the working of the Atlantic ports. We have not yet seen the full text of that report, but from the synopsis of it given in the daily papers, we gather that the commission is now convinced of what was well known to every well-informed person before, that no two ports are circumstanced alike either in position, method of working or regulations as to charges and ownership of the property.

The position and conditions in the Montreal Harbour are unique and different from any other on the continent, and it is difficult to see how any comparison can be made. The only thing to do is for Montreal to work out its own problem in its own way and make the best of its great advantages, despite some drawbacks, that it possesses. To this end it may be necessary to re-organize and change the basis of representation on the Harbour Board, which is now both too unwieldy and costly in its management, when its limited independent powers and its comparatively small revenue, are considered.

The sage conclusion at which the commission arrived finally—like very much of what we have heard before in all the talk and promises of what is to come to us if we strive—is that if Montreal is to keep what trade it now has and get more, it must be equipped in an up-to-date way, and have the lowest charges put upon the trade coming to it, and we may add that it shall be a cheaply administered port and that all who have business in it shall be fairly treated and well satisfied with the treatment.

REFERENDUM AND PLEBISCITE.

The Province of Ontario is in the throes of a discussion in which the words, "Referendum" and "Plebiscite" are very much in evidence. What is the precise difference between these words is not quite clear to many to whom they are becoming quite familiar. They are both supposed to have some special association with the laws governing the liquor traffic which is quite erroneous. They are methods of appealing directly to the registered voters in a municipality, province or country to enable them to express their opinion in regard to some question of public interest that is before the governing body.

Both systems set aside the principle of representative government. A plebiscite is an appeal to the electorate to give a verdict on some general proposition, such as "Is it desirable to enlarge the franchise?" or "Is it desirable to legislate in favour of prohibiting the manufacture and sale of alcoholic liquors?" A vote of "Yes" in a plebiscite does not commit the voter to an approval of any specific form of legislation. A Referendum, on the other hand, is an appeal to the electorate to pass upon some Act of Parliament or a Provincial Legislature, which awaits the favourable vote of the people before it comes into force as law.

A Referendum is an arrangement for taking a vote such as was in existence in the woods of Germany and Britain, when our ancestors were semi-barbarians, before they had become sufficiently civilized to elect representatives to a legislative assembly, which became necessary when the population rendered such a delegation of authority necessary. The Referendum then, is, practically, a revival of a system which was displaced when communities became so organized as to necessitate a representative form of government. A Referendum is a political relapse not political advance, or development.

This plan has been adopted by the Government of Ontario to throw the entire responsibility of bringing a prohibitory liquor act into force upon a certain section of the electorate, upon whom the referendum confers the functions of the Legislative Assembly of that Province. It is very doubtful whether such a proceeding can be legalized in Canada. No such power is even named, or indirectly implied in the British North America Act. No legislative assembly can abdicate its powers and avoid its responsibilities according to the constitution of Canada.

If the referendum vote is taken on a certain Act to be submitted to the electorate there is certain to be an appeal to the Supreme Court of the Empire, unless the Act is disallowed, as it is likely to be.

The vote under the Referendum in favour of prohibiting the manufacture and sale of alcoholic beverages in Ontario cannot be even a majority of the electors. It is estimated by experts who are familiar with polling statistics, that the total vote in favour of the new prohibitory act will not exceed one-third of the electors, and they anticipate that the majority in its favour will be a small fraction of the population. Perhaps it is as well to let the referendum run its course and for the new Act to be established as the result would be to relegate prohibitive legislation to the limbo of impracticabilities.

GAS LEAKAGE AS AN INSURANCE HAZARD.

So much attention is being paid to the danger of electrical current, to which doubtless numerous fires are attributable, that the dangers arising from a supply of gas are, for the time, forgotten. Indeed, gas is so familiar as an illuminant and source of heat, and the fires arising from its use are thought to be so rare, that its dangers are generally ignored.

An eminent American scientist, Dr. James C. Bayles, has given the question of "The Insurance Hazard of Gas Leakage," close study in the past two years. As the result of his investigations, he has come to the conclusion that, "gas leakage constitutes the most subtle, uncontrollable, far-reaching menace to life and property of which science has knowledge." The result of his studies are embodied in a remarkable article contributed to Insurance Engineering.

Between coal gas and water gas there is little difference in regard to the fire risk. They are both highly explosive when mixed with air. All users of gas are aware of its intense heat, of the potential energy of gas only from 3 to 15 per cent. is converted into light, and from 85 to 97 per cent. is heat. Manifestly this is something requiring the most careful handling as, when such intense heat is suddenly generated by the application of a light to gas, it is capable of setting fire to anything combustible with which it is brought into contact.

What, then, are the risks incident to the use of gas? They may be said to arise, if the expression may be allowed, not from the use of gas, but from its waste by leakage. When gas came into general use a "Drop-Chandelier" was popular which, being rarely gas-tight, led to scores of explosions, as rooms became charged with gas during the night, which exploded when the domestic lighted a match to find out the location of the escape. That danger still exists in some old-fashioned dwellings. Another cause of leakage is the settling of buildings, by which gas pipes are broken, or joint so loosened as to allow of an escape. Cases, too, are known of rats eating through a lead pipe, and not a few mysterious explosions have occurred owing to a dangerous accumulation of gas from this form of leakage. Not a few accidents have occurred, also, from taps being only partially closed at night, and by others being left open by persons who, to avoid risk, have turned off the supply from the meter. In such cases an open tap is not noticed until the meter has been turned on again on a dark morning, when the room where the open tap is situated becomes charged with gas and an explosion occurs from the leakage being sought for by a candle or lighted match.

Houses are at times left unoccupied in which a leakage is going on which leads to an explosion when a light is introduced into the empty building. A light near to a ceiling has caused a fire by its flashing up when the pressure was increased. Thousands of fires have originated from this cause in stores, and apartments, where some flimsy, highly combustible article was out of reach of the flame at one hour, being lighted by the jet being enlarged by the pressure being increased. Sunday nights are the favourite time for such incidents in houses, as when the church lights are shut off the supply to private consumers is at times so suddenly increased as to send a gas jet so high as to be dangerous where the chandelier is trimmed with decorations. Two small fires occurred in this city this winter from this cause.

The greatest of all dangers from gas arises, however, in places beyond the control of individual consumers. Every gas main under roadways and pavements contains what is highly explosive, and where leaks from them exist there is apt to be an accumulation of gas in conduits, sewers, cellars, where the gas forces its way. Leakages from gas mains have caused and are everywhere liable to cause serious explosions and fires.

It may be said that the odour of gas promptly calls attention to such leakages. This is only partially true, as thousands of persons may detect an odour of gas in a street without taking any further notice of what is always a sign of danger. A terrible explosion occurred in England owing to a labourer, when digging to search for a leakage of gas, lighting his pipe by a match, the result being his instant death and the wreckage of a large building. A match thrown down a sewer grate has caused an explosion. It would be easy to narrate a score or more of terrible catastrophes of this nature. Literally, hundreds of persons who have essayed to discover a gas leakage have only found their death.

Science is now about to add a new danger to life by enabling gas to be supplied which has no odour, but is still as explosive as the old kind. As there is a movement to appoint civic inspectors of electrical installations, there should also be one to have the gas supply apparatus also inspected, as the danger from leakages of gas are as great as leakages of the electric current. Indeed, they are now very closely associated, as, where gas accumulates in walls, closed rooms, cellars, and under pavements it is liable to be exploded by an electric spark.

TRADE AND COMMERCE.

The latest official statistics of the export trade of the Dominion are interesting as showing a steady expansion in the principal commodities which make up the resources of the country at large, with the exception of a limited few on which the duty was raised some twelve years ago by the United States to such an extent as to prevent further shipments. Chief among these was barley. We find that during the four years prior to 1891 the number of bushels of barley exported averaged over 9,600,000, amounting in value to nearly \$6,000,000 annually. In 1891 the exports were reduced to 4,892,334 bushels; in '94 to 597,405 bushels; and in 1899 to 386,768 bushels. Since then they have been showing an increase, the last two years averaging over 2,500,000 bushels. Wheat exports for the fiscal year ended the 30th June, 1887, amounted to 9,127,045 bushels. In 1892 they increased to 13,659,020 bushels; in 1898 to 23,914,628 bushels, while last year they amounted to 18,936,252. Wheat flour exports show an increase of almost double the

quantity since 1887; last year's exports being 4,030,746 barrels.

Following the advantages derived through a Department of Trade and Commerce in Canada as well as in the various countries of Europe, the United States is now about to introduce that feature, senators from various States advocating it in strong measures. The substance of the resolutions brought up in this regard, together with much detail surrounding its expected recognition, we reproduce, as showing the ideas of our neighbours relative to trade expansion at a period of unexampled progress and prosperity:

The bill introduced into the U.S. Senate recently by Senator Nelson of Minnesota, and passed by that body creating a Department of Commerce and Labour, marks says a writer in the Philadelphia Record, the beginning of a new chapter in American history. The bill provides for a new member of the President's Cabinet, who shall have among his chief duties the promotion of the foreign commerce of the Republic.

To the main purposes of the measure there has been no opposition. The Committee of Commerce held long conferences over the bill. Hundreds of trade organizations from all parts of the country sent delegations and messages favouring the proposed department, and the committee, without dissent, after a year or more of study on the question, reported it favourably to the Senate. In that body elaborate discussion has taken place over the question of just what bureaus and divisions should be transferred from other departments to the Department of Commerce, and many amendments have been offered and adopted. In all the arguments, however, there has been no note of hostility. Senators before submitting amendments disavowing any intention of attempting to defeat or delay the measure.

The bill has the eminent indorsement of President Roosevelt, who, in his message to Congress, said:

"There should be created a Cabinet officer, to be known as Secretary of Commerce and Industries, as provided in the bill introduced at the last session of the Congress. It should be his province to deal with commerce in its broadest sense; including among many other things whatever concerns labour and all matters affecting the great business corporations and our merchant marine. The course proposed is one phase of what should be a comprehensive and far-reaching scheme of constructive statesmanship for the purpose of broadening our markets, securing our business interests on a safe basis, and making firm our new position in the international industrial world; while scrupulously safeguarding the rights of wage-worker and capitalist, of investor and private citizen, so as to secure equity as between man and man in this Republic."

Although this legislation is a departure in the United States, there is ample precedent for it abroad. England's department of commerce is entitled the Board of Trade, and its president is a member of the British Cabinet. Under this executive officer seven members preside over seven bureaus, viz.: Commerce and Statistics, Railways, Shipping, Harbours, Fisheries, Bankruptcy and Finance. In addition the Board of Trade supervises emigration, and, of course, the compilation and distribution of statistics in regard to the trade and commerce of the Empire constitutes an important part of the board's duties. It is the conclusion of the statesmen and merchants of Great Britain that the Board of Trade has had much to do with the expansion of the trade and commerce of that country.

France has a Minister of Commerce and Industry. Over 70 years ago the commerce of France was intrusted to a Minister, but under the varying fortunes and metamorphoses of government the department was subordinated at times to other departments. In 1886 the present French Department of Commerce and Industry was created. It is one of the most important and far-reaching branches of that Government. In addition to the obvious work of such a department, it has vital interest in the technical schools of France. Forty engineers, college professors and other professional men, appointed for four years, are part of the membership of a Council of Technical Education, organized under the Minister of Commerce. The operation of trade unions and commercial syndicates, chambers of commerce and every kind of commercial association are under the supervision of the department.

In Germany the Ministry of Commerce, organized over half a century ago, has charge of all affairs concerning trade and industry, including private banking institutions, navigation, shipping, pilotage. Under its administration also come the Commission for Technical Education, the Industrial and Art-Industrial Technical Schools, the Training Schools, the Assay Authorities and the Navigation Schools.

The Austrian Ministry of Commerce was created in 1853. Hungary, likewise, has a Department of Commerce, which was established in 1867. Italy's Minister of Commerce has also charge of agriculture. Russia recently established a Ministry of Commerce. Spain, Portugal, Belgium and Canada all have Departments of Commerce.

In all these countries these Departments of Commerce, although organized along different lines, and none of them including identical bureaus and divisions, are striving to achieve the same object, viz., the commercial and industrial advancement of their nation. Some of these differences of organization are the result of unsimilarity in governmental administration generally.

The main argument in Congress for the creation of this new department has been in keeping with the words of the President, statesmen realizing that, notwithstanding the growing commercial status of the American Republic, there should not be any careless optimism that that expansion could continue without intelligent direction if world-wide competition is to be eclipsed.

Former Assistant Secretary of the Treasury Vanderbilt, writing of America's commercial invasion of Europe, voices conservative thought on this subject when he says:

"The industrial world as yet is by no means prostrate at our feet. We have before us a long campaign of hard work and intelligent prosecution of every advantage which we have, before we reach such a position of industrial supremacy as occasional newspaper writers on both sides of the Atlantic have given us credit for. It ought clearly to be kept in mind that the road to the commercial domination of the world is not a clear one for us, and that we are a long way from the end of it. Evidences of that will be found in studying current statistics of our manufactured exports. The rapid increase which has been going on for a number of years has halted, and for the last fiscal year reports show a decrease. That decrease can be accounted for by the fact that our shipments to Porto Rico, Hawaii, and the Philippines are no longer counted foreign exports; but it is, nevertheless, evident that a halt has come in the triumphant march of American manufactures toward European markets.

In a good many directions we have much to learn in regard to a successful prosecution of foreign trade. The Germans could give us valuable lessons. They are strong in two particulars—strong in the line of technical education, though perhaps not superior to us, and strong in commercial training specially adapted to the needs of their representatives in foreign countries. In this last particular we are lamentably weak. We do not learn languages readily, and we have been too busy with our home affairs to cultivate what facility we have. Unfortunately, the bad equipment of many of the commercial representatives who are sent abroad is not confined to their lack of knowledge of languages. Frequently they have but vague ideas of the commercial geography of Europe. They are not at all clear as to what particular sections are given over to this form of manufacturing or that field of production. More than half of the failures that have come to manufacturers who have tried to extend their foreign business have resulted from the lack of qualifications in the representatives they sent abroad."

For nearly forty years there has been talk in shipping and manufacturing circles in regard to the expediency of creating in this country a department charged with the fostering of commercial and industrial conditions. In 1896, at the first annual convention of the National Association of Manufacturers, this agitation was crystallized into a definite movement, and from that time to the present commercial organizations have put themselves on record as favouring the proposed department.

The State Department was created by act of Congress July 27, 1789, and was called at that time the Department of Foreign Affairs. Two months later it was given the name it now bears. It takes precedence over other Cabinet establishments because of this priority of creation. At the time of its genesis there was no provision for an Assistant Secretary of State, it being considered sufficient to authorize the Secretary to appoint a chief clerk (with a salary of \$800 a year), who was to have charge and custody of the department in the event of vacancy caused by the Secretary's death, or resignation, or by his removal by the President.

At the time of the creation of the War Department, August 7, 1789, the country did not consider the naval establishment worthy to have an executive branch of its own, and so for ten years the affairs of the navy, as well as those of the army, were administered by the Secretary of War.

The Treasury Department was organized as such September 2, 1789. Previously there had been a standing committee of five for superintending the Treasury; then a Secretary of the Treasury at a salary of \$2,000 per annum, whose duties were not defined, and which office survived but a few months; then, in 1779, a Board of Treasury, and in 1781, a Superintendent of Finance. In 1784 the office of Superintendent of Finance was abolished, and a new Board of Treasury was created, consisting of three Commissioners to be appointed by Congress. Since the creation of the Treasury Department it has taken on bureau after bureau, some of them having little or no relation to the affairs over which the Treasury Department was intended to preside. It is from this department that the Department of Commerce planned to draw most of its branches. Such establishments, for example, as the Life-Saving Service, the Lighthouse Board, the Marine Hospital Service, the Steamboat Inspection Service, the Bureau of Navigation, the United States Shipping Commissioners, the Bureau of Immigra-

tion, the Bureau of Statistics and the Coast and Geodetic Survey, would be more properly assembled, Senator Nelson and others urged, under the new department. Other Senators were not quite certain that all these, and branches from some of the other departments, should be thus taken from the establishments that had fostered them, but the argument was generally accepted that it was by no means a unique departure to organize a new department and build it on bureaus gathered from coordinate branches of the Government.

For the first ten years after the creation of the first executive department the United States was satisfied with three members in the Cabinet, the Secretary of State, the Secretary of War and the Secretary of the Treasury. There was, it is true, a Postmaster-General and an Attorney-General, but nearly a century passed before these offices were included in the President's Cabinet.

After the creation of the Navy Department, in 1798, no new department was organized until 1849. Then, as now, it was contended that many of the departments had become overburdened. Inventive genius demanded more attention to its unparalleled activity than any of the existing governmental branches could reasonably give it. War had reaped its honourable roll of wounded heroes, whose pensions the nation was pledged to maintain and the Republic, pushing across successive ranges of mountains, had at last reached the Western-sea, and it was seen to be imperative to reconstruct the executive departments to meet the larger needs and opportunities of empire. So the Interior Department was established, with jurisdiction over patents, pensions, land-office business, Indian affairs, the census, accounts of officers of the United States Court, and, in addition, over public buildings. About twenty years later the supervision of buildings was transferred to the Treasury Department. Just as provision was made for an Interior Department to look after many interests to which other departments could not give adequate attention, so now the advocates of this new measure say a Department of Commerce should be created.

In 1862, twenty-three years after the organization of the Interior Department, the Department of Agriculture was established, but not at that time as an executive branch. It was presided over by a Commissioner of Agriculture, but after the Postmaster-General and the Attorney-General had been included in the Cabinet, the next member to join that distinguished circle was the Secretary of Agriculture, who, in 1889, became a full panoplied executive officer. While foreign nations have taken the lead in establishing Departments of Commerce, we are not behind the attention given to the agricultural development of the country. Friends of the Department of Commerce call attention to the fear voiced in certain high places at the time the bill for the creation of the Department of Agriculture was under consideration that the then proposed departure was possibly a piece of bucolic and unstatesmanlike extravagance, and that Cabinet representation could hardly be expected to minister to growing crops, or advance the market price of agricultural products. Thirteen years have passed since the department was given representation at the White House Court, and it is pointed out by the advocates of the Department of Commerce that the timid prudence of 1889 has been transformed into the heartiest enthusiasm over the great work of the Agricultural Department. Were a bill offered to-day in Congress for the abolishment of that department it would not, it was

recently stated in the Senate, be able to secure the support of the most conservative proponent of retrenchment.

What has been done for agriculture, the new department, it is expected, will do for commerce and general industry.

The new bill provides that it shall be the duty of the Secretary of Commerce to foster and develop the foreign and domestic commerce, the mining, manufacturing, shipping and fishery industries, the labour interests and the transportation facilities of the United States. Then follow the names of the bureaus to be transferred, which in addition to those of the Treasury Department already mentioned, included, in the first draft, the Census Office, the Patent Office and the Geological Survey from the Interior Department; the Bureau of Foreign Commerce from the State Department and the Department of Labour and the Commission of Fish and Fisheries, both of the latter being bureaus independent of any of the executive departments.

Just what bureaus will become absorbed finally in the new department remains for legislation and expediency to determine. The senators who furthered the progress of the bill considered all objections and suggestions, knowing full well that whatever action should be taken would not necessarily be final, but that Congress from to time would rearrange and retransfer bureaus as the development of the business and the wisdom of each succeeding year would dictate. Speaking of the office of the Supervising Architect, Bureau of Statistics, Life-Saving Service, Commissioner of Navigation, Office of Steamboat Inspection, Light-House Board, the Light-House Service, Coast and Geodetic Survey, Marine Hospital Service, and Bureau of Immigration, Senator Nelson declared that it is apparent that none of these branches of the public service has any immediate or direct connection with, or is germane to, the principal and most important duties of the Treasury Department. This department, he set forth, stands charged chiefly, and first of all, with the financial and fiscal affairs of the Government, with all that pertains to finance and revenue and ought not to be charged with duties foreign to these subjects. These other branches of the public service, which lie outside of the subject of finance and revenue, pertain more directly to the subject of commerce, manufactures and other industries. He also showed that in none of the departments of the Government have we any bureau or division of the public service to which is committed the promotion of the manufacturing and mining industries of the country—two very important branches of our industrial life. In view of our great progress and development in mining and manufacturing industries, which now far exceed the ability to supply our own wants, and in view of the urgent necessity of securing more extensive markets abroad, it must be apparent to any one who gives the subject the least thought, he maintained, that there is an urgent demand for the establishment of a department of the public service to have charge of and to aid in our industrial development, and to secure us better and more extensive markets abroad.

It is hoped by the friends of the measure that the various statistical bureaus of the Government shall be merged into one well organized and authoritative department. As it is now, it was pointed out, there is neither collaboration nor concurrence in the work of the several statistical divisions of the nation. The Bureau of Foreign Commerce of the State Department, the Treasury

Bureau of Statistics, the Census Office, the Department of Labour industriously gather and compile and circulate statistics, and as there is no final statistical tribunal where data can be sifted and authoritatively weighed, there results at times seemingly inexplicable controversy in the matter of figures. It was stated on the floor of the Senate that it not infrequently happens that colleagues in that body are plunged into acrimonious debate, basing their clashing philippics upon dissimilar abstracts of data on the same subjects, both sheets being officially certified to by bureaus, working out of harmony with each other. Even where there is undeviating identity there is needless duplication of details. It will be the work of the Department of Commerce, Senator Nelson and others explained, to consolidate so far as possible these valuable bureaus.

As originally outlined it was the design to have consular officers transmit detailed commercial reports to the Department of Commerce, but it was concluded that that would be an unwise departure from prudent diplomatic procedure. Senators had the experience of older nations to guide them. So strict has been the control of Ministries of Foreign Affairs in European nations over the consular service that in many instances it has been forbidden for the Minister of Commerce to send even circular letters to consuls abroad, containing a list of subjects on which information was desired. Senator Lodge offered an amendment, which was adopted, which provides for a clerk who, under the direction of the Secretary of State, will edit the reports of the Consular Service, and send such matters as may be material to the commerce of the country to the Secretary of Commerce.

The one provision of the bill around which all other details centre, and over which there has been no discussion, reads as follows:

Sec. 5. That there shall be in the Department of Commerce a bureau to be called the Bureau of Manufactures, and a chief of said bureau, who shall be appointed by the President, by and with the advice and consent of the Senate. There shall also be in said bureau one chief clerk and such other clerical assistants as may from time to time be authorised by Congress. It shall be the province and duty of said bureau, under the direction of the Secretary, to foster, promote and develop the various manufacturing industries of the United States, and markets for the same at home and abroad, domestic and foreign, by gathering, compiling, publishing and supplying all available and useful information concerning such industries and such markets, and by such other methods and means as may be prescribed by the Secretary or provided by law.

At the taking of the last census 8,499,948 persons were engaged in agricultural pursuits, while in trade and transportation 3,325,962 people were employed, and the manufacturing and mechanical industries gave occupation to 5,544,772.

In 1890 the value of agricultural products was \$2,460,107,454, while the value of manufactures was \$9,056,764,996.

Mr. John G. Search, President of the National Association of Manufacturers, in a letter to the Senate said:

"The same conditions which warrant the representation of agriculture in the Cabinet furnish an equally emphatic argument in behalf of similar recognition of the importance of trade and manufactures. No man questions the wisdom or the justice of giving to agriculture all the privileges and advantages which are conferred by the maintenance of such a department, and the present

movement for a similar recognition of commerce and manufactures is unmarked by any spirit of antagonism or rivalry to the interests of agriculture. On the contrary, it is recognized that the interests of both are identical, and whatever injures or benefits one similarly affects the other.

There is little doubt but that the Department of Commerce will be followed in its activities eagerly by the toilers, shippers, manufacturers and statesmen of the country.

—Options have been secured by Captain F. D. Comings, of Seattle, on three steamships for the trans-Alaskan Railway, to ply between Seattle and Iliamna Bay, Alaska, and forming the connecting link in railway transportation between the United States and Asia. Captain Comings has for several months been searching on the Atlantic coast, and along the Great Lakes for suitable vessels. Those secured are of 2,400 tons freight and 300 passenger capacity, and cost approximately \$125,000 each. One was secured on the Atlantic coast, and two on the lakes. They are single screw vessels, with a speed of ten knots an hour, 275 feet long and 40 feet beam. They will proceed to Seattle via the Straits of Magellan, and be put in service there about the 1st of May.

—The New York Central & Hudson River Railway is to introduce a form of railroad ticket known as the simplex arrangement. The new ticket will be very large and printed on a thin piece of paper, with the names of the stations along the line on one edge and date-lines along the other, with the usual ticket agreement in the centre. When the ticket is sold, the ticket seller slices the ticket in a machine, so that the names of the other station besides the ones desired are cut. It is thought that this system will greatly facilitate the work of the employees of the road.

—It is stated at Vancouver, B.C., that quantities of platinum ore being bought up in the Klondike, at \$4 an ounce, and being disposed of at \$15 and \$20 an ounce in Vancouver. Other enquiries lead to the discovery that an organized gang have been operating in this profitable field. They would visit claims where the clean-ups were being made, and if they discovered platinum they would declare it was silver, and offer from \$3 to \$4 an ounce for it. Outside reports estimate the amount involved at different sums, from hundreds to thousands of dollars.

—Berlin advices state that the Admiralty have issued a statement of the naval estimates for 1902-03. The amount asked for is 625,100,000 marks (\$156,275,000), compared with 617,500,000 marks last year. These vessels will be under construction on April 1st: Battleships, 13; armored cruisers, 22; second-class cruisers, 2; third-class cruisers, 2; torpedo boat destroyers, 10; torpedo boats, 5.

—A London cable of the 17th instant, states that the prospectus of the Imperial Tobacco Company has been issued. The twenty-five directors are all tobacco manufacturers. The company is arranging a scheme of bonuses for customers dependent on the amount of their purchases. Of the assets taken over £3,438,925 represents tangible assets, and £8,518,097 good will, etc. Nearly £1,500,000 purchase money was taken in cash.

—The inland revenue receipts for the month of January amounted to \$856,743, an increase of \$74,439 over the same month last year. Spirits yielded a revenue of \$408,843; malt, \$85,450; tobacco, \$280,629, and cigars, \$60,945.

—The Great Northwestern Telegraph Company announces that, taking effect March 1, its rate to India will be 86 cents per word, instead of \$1.23 per word.

—The Lackawanna Steel Company, of West Seneca, N.Y., was incorporated recently, with a capital of \$40,000,000.

—Grand Trunk Railway System—Earnings 8th to 14th February, 1902, \$469,075; 1901, \$476,035; decrease, \$6,962.

DOMINION ESTIMATES.

—The estimates for the fiscal year ending June 30th, 1903, have been given out. They call for an expenditure on consolidated fund account of \$47,845,038. Of this amount, however, \$20,696,455 is authorized by statute, leaving \$27,148,583, as the amount to be voted. The estimates are \$981,839 less than those of the previous year. The estimated expenditure upon capital account is \$5,516,600, which added to the ordinary expenditure gives a grand total of \$53,361,638. There is a decrease of \$5,581,262 in the estimates for capital expenditure, which makes the aggregate reduction 6,563,102. The following is a statement in detail of the sums to be voted for the several sources:

	Total 1902-3.	Increase or decrease.
Public debt, including sinking fund.	\$13,769,312	*\$509,655
Charges of management	181,743	*11,300
Civil government	1,575,225	*35,776
Administration of justice	976,365	*13,917
Police	30,000	†45,100
Penitentiaries	491,490	*7,930
Legislation	931,296	*128,642
Arts, agriculture and statistics	502,400	†273,600
Quarantine	193,500	†6,000
Immigration	445,000	.....
Pensions	85,643	†9,641
Superannuation	328,240	.....
Militia	1,773,003	†270,846
Railway and canals income.	344,387	*14,812
Public works (income)	3,270,850	†1,755,502
Mail subsidies and steamship sub- ventions	724,566	†20,000
Ocean and river service	243,300	†111,000
Lighthouse and coast service	641,070	†159,790
Scientific institutions	110,653	†49,640
Marine hospitals and sick and dis- tressed seamen	41,000	†12,000
Steamboat inspection	30,300	*800
Fisheries	467,000	†54,900
Superintendence of insurance	15,500	*2,000
Subsidies to Provinces	4,366,334	*114,834
Geological survey	64,430	†2,390
Indians	1,079,064	*10,303
Mounted police	850,000	.....
Government of the North-West Ter- ritories	425,397	†10,000
Government of the Yukon Terri- tory	250,000	†20,900
Dominion lands (income).	157,532	.....
Miscellaneous	327,195	†317,073
Customs	1,192,365	*19,366
Excise	490,129	*7,530
Weights and measures, gas and electric light inspection	112,050	*6,050
Adulteration of food	25,000	.....
Minor revenues	2,000	.....
Railways and canals, collection of revenue	6,660,853	*1,054,943
Public works, collection of reve- nue	316,450	*27,500
Post office	4,054,280	*167,422
Trade and commerce	27,100	*2,750
Inspector of staples	50,000	.....
Culling timber	18,350	.....
Total consolidated fund	47,845,038	†981,839
Capital account:		
Militia (capital)	75,000	†509,000
Railways and canals (capital)	3,861,600	†4,274,547
Public works (capital)	1,320,000	†761,715
Dominion lands capital	260,000	†36,000
Total capital	5,516,000	†5,581,262
Grand total	\$53,361,638	†\$6,563,102

*Increase. †Decrease.

The Government is asking salaries for a new Judge in British Columbia, and for a Judge in the Northwest Territories, amounting in the former case to \$2,400, and in the

latter to \$4,000. A reduction of \$15,000 is effected in the vote for printing and binding of Parliamentary documents. The census appropriation amounts to \$120,000, as compared with \$350,000 last year. The sum of \$210,000 is asked for the commissioners' branch for agriculture and dairying, which includes cold storage for Canadian products on railways and steamships. This is \$21,400 more than last year's vote. On the other hand, there is a reduction of \$20,000 in the vote to promote dairy interests by advances for milk and cream, the sum set apart this year being \$40,000. The Militia Department asks for \$520,000 for the annual drill of militias and musketry, including clothing and stores, an increase of \$80,000. Salaries and wages amount to \$90,000, or \$10,000 more than last year. The appropriation for a Dominion arsenal is \$150,000, or \$32,000 ahead of the year before. The reductions comprise \$42,900 in military properties, \$3,500 in grants to associations, and \$10,267 for the defences of Esquimalt. The vote for the Intercolonial, chargeable to capital, has been cut down to \$1,975,000, or \$3,073,167 less than last year.

The pruning knife has also been applied to the capital expenditure upon the Ontario canals, as is evident from the following figures:

	1901-2.	1902-3.
Sault Ste. Marie	\$100,000	\$50,000
Trent Canal (re-vote, \$300,000)	615,000	300,000
Welland canal	430,000	333,000
Cornwall canal	110,000	90,000

The expenditure on the Ontario canals chargeable to income shows a considerable increase. The following are the sums asked for:—

Rideau Canal—To rebuild long bridge at Brown's Point, with steel superstructure, \$5,000; to rebuild swing bridge at upper lock at Kingston (steel), \$2,000; to rebuild long bridge at Breckett's Landing (steel superstructure), \$5,000.

Welland Canal—To execute heavy repairs, \$30,000; to rebuild dam and bridge at Dunnville, \$30,000; to improve drainage along feeder, \$3,000; to provide a telephone line, \$10,000; to build tile sewer at east end, Port Colborne, \$5,000.

Trent Canal—To dredge shoals in Trent and Otonabee Rivers, \$3,500; to build new hull for dredge, \$5,000; to build new lock gates for Bobcaygeon, \$1,500; dredging at mouth of Rice Lake, \$3,500; contribution towards building of road between Lindsay and Fenelon Falls, \$1,500.

Carillon and Grenville Canals—To rebuild guide pier, \$23,000.

For harbor improvements at Port Colborne the vote is \$220,000, as against \$190,000 last year.

For Public Buildings.

The following are the appropriations for public buildings in Ontario, compared with last year:

Ontario.	1901-2.	1902-3.
Clinton public building	\$5,000	\$5,000
Cobourg, towards construction of armory	10,000	10,000
Deseronto public building	20,000	16,000
Fort William public building	5,000	5,000
Kingston Royal Military College, gymna- sium and hospital	21,000	6,000
London drill hall and armory	33,000	10,000
Sault Ste. Marie public building	10,000	10,000
Sarnia public building	42,000	42,000
Toronto, Dominion public buildings, im- provements, renewals, repairs, etc.	7,500	7,500
Toronto Junction public building	5,000	5,000

Appropriations not required for 1902-03, \$254,650.

Harbors and Rivers.

The total for harbors and rivers in Ontario amount to \$354,100, compared with \$691,100 last year. Here are a few of the larger items:

	1901-2.	1902-3.
Bronte Harbor improvements	\$7,000	\$3,000
Burlington channel, repairs to piers	45,000	50,000
Collingwood harbor improvements	25,000	40,000
Depot Harbor breakwater	75,000	65,000
Goderich Harbor dredging	7,000	10,000
Meaford harbor, dredging and pile works	41,000	30,000
Midland harbor, dredging	18,500	8,000
Oakville, repairs to east pier	6,000	4,000

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DIA'S CABLES

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

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

ANNUAL CONTRACT FOR :

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

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

Owen Sound harbor, dredging and pile protection works	28,500	24,000
Port Hope, repairs to piers	3,700	5,000
Sault Ste. Marie harbor improvements	25,000	25,000
Southampton, improvement of harbor	10,000	10,000
Toronto harbor works at eastern entrance	32,000	8,000
Appropriations not required for 1902-3, \$287,900.		

Miscellaneous Estimates.

The vote for salaries and expenses in connection with the administration of the Yukon is \$250,000, a decrease of \$20,000.

The sum of \$70,000 is wanted for land and cable telegraph lines, including the maintenance of Marconi wireless telegraphy at Belle Isle, an increase of \$27,500.

The vote for the mail service is \$2,344,700, an advance of \$117,700.

The increase is made up of the following items: By railways, \$54,192; by steamboats, \$3,156; by ordinary land conveyance, \$50,351; supply and repair of mail bags, \$10,000.

A sum of \$3,000 appears as the salary of a chief superintendent of city post offices. This is evidently a new office which Mr. Mulock has created, and there is an impression that Mr. Ross, the Assistant Postmaster at Toronto, may be called upon to fill it. The vote for stampers and sorters at Toronto shows an increase of \$7,950.

In bounties on pig iron \$351,259 was expended, being an increase of \$112,962 over the previous year. These bounties were apportioned as follows: Canadian Iron Furnace Company, Three Rivers, \$16,614; Midland Iron Works, \$59,169; Deseronto Iron Company, \$27,468; Dominion Iron & Steel Company, Sydney, \$55,287; Electric Reduction Company, \$1,173; Hamilton Iron & Steel, \$12,455; John McDougall & Company, \$2,379; Nova Scotia Steel & Iron Company, \$66,711. There was paid out in bounties on iron puddled bars \$16,703, an increase of \$6,581. The Hamilton Steel & Iron Company received the whole amount. The bounties on steel ingots amounted to \$100,057, or \$35,697 in excess of the year previous. The Hamilton Steel & Iron Company received \$28,310, and the Nova Scotia Steel Company, \$71,746,

TRANSFERRED TO THE FREE LIST.

A number of orders in Council have recently been passed transferring to the list of articles which may be imported into Canada free of duty certain articles entering into Canadian manufactures when imported by the manufacturers for use in their own factories. The articles are: Hemp bleaching compound for the manufacture of rope.—Silver tubing for the manufacture of silverware.—Steel for the manufacture of cutlery.—Yarn of jute, flax, or hemp, for the manufacture of towels.—Steel castings, in the rough for the manufacture of scissors and hand-shears.—All articles entering into the construction and forming part of cream separators.

In the case of the hemp bleaching compound, the reason for placing it on the free list is to enable Canadian manufacturers to produce cordage of a lighter color, so that they may successfully compete with foreign manufacturers. Heretofore degreas, which is on the free list, has been used as a lubricant in the manufacture of cordage in Canada, but it was found that it spoiled the appearance of the cordage, producing too dark a color. Hemp bleaching compound is considered to be a much better lubricant. Inasmuch as it takes the place of degreas, which was on the free list, the Government deemed it advisable to allow it to be entered free hereafter. The concession does not interfere with any Canadian interest, the compound not being manufactured here. With respect to the matter of silver tubing, the tariff provides for the free admission of silver bullion, and the cost of manufacturing tubing from bullion is infinitesimal. The tubing is not manufactured in Canada. It is chiefly used for the manufacture of napkin rings, cups, etc. Having had to pay 30 per cent. duty thereon, the Canadian manufacturer of such articles was handicapped in the home market. The steel castings, in the rough, for the manufacture of scissors and hand-shears are not now produced in the country, and no Canadian interest is therefore affected. The same remarks apply to steel for the manufacture of cutlery. This steel is of a very high grade and it has to be purchased in England. With reference to the transfer to the free list of articles

Butterworth & Dickinson,

TELEGRAPHIC
ADDRESS :

"Globe Burnley,"

Globe and Saunder Bank Iron Works,
Burnley, England.

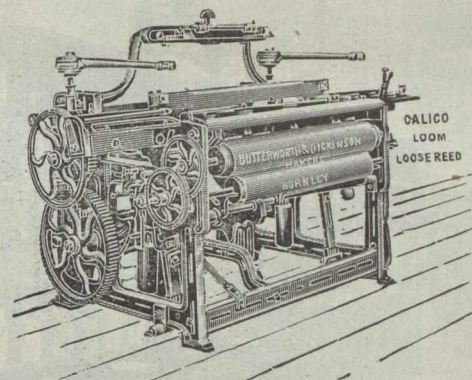
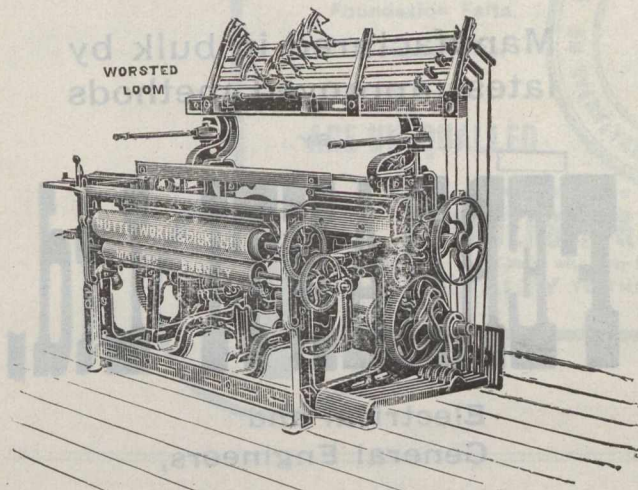
A. I. and

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

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which enter into the construction and form part of cream separators, it was pointed out that inasmuch as cream separators are free under the tariff, the Canadian manufacturer of such articles should be allowed to import materials which enter into their manufacture without payment of duty. It will be obvious that this is only equitable. The order placing yarn, or flax, hemp, or jute, for the manufacture of towels, in the free classification is an extension of the clause now in the free list of the tariff which provides for the free entry of such yarn, when imported by manufacturers of carpets, rugs, mats, jute webbing, jute cloth, hammocks, twine and floor oil cloths. The yarn specified is not produced in Canada to any appreciable extent.

RAILWAY STATISTICS.

At the close of the fiscal year the number of miles of completed railway in Canada was 18,294, besides 2,710 miles of sidings. The number of miles laid with steel rails was 18,184, of which 634 miles was double track. The number of miles in operation was 18,140. The paid-up capital amounted to \$1,042,785,539, an increase of \$51,598,893. The gross earnings amounted to \$72,898,749, an increase of \$2,694,396, and the working expenses aggregated \$50,368,726, an increase of \$2,987,037, compared with those of the previous year, leaving the net earnings \$22,530,023, a decrease of \$292,642. The number of passengers carried was 18,385,722, an increase of 1,281,379, and the freight traffic amounted to 36,999,371 tons, an increase of 1,286,149 tons. The total number of miles run by trains was 53,349,394, an increase of 727,870. The accident returns show sixteen passengers killed. From statistics furnished by 40 companies, it appears that at the close of the fiscal year ended June 30, 1901, there were 675 miles of electric railway completed, of which 670 miles were laid with steel rails, 158 being double track. The paid-up capital amounted to \$39,076,019, of which the municipal aid amounted to \$173,000. The number of miles in operation was 672. The gross earnings aggregated \$5,768,283, and the working expenses \$3,435,163, leaving the net earnings \$2,333,120. The number of passengers carried was 120,934,056, and the freight carried amounted to 287,926 tons. The car mileage was 31,

750,754 miles. Ontario has 386 miles; Quebec, 197; New Brunswick, 12; Nova Scotia, 10; Manitoba, 18, and British Columbia, 51 miles. The city street railways carried passengers as follows: Montreal, 45,833,652; Toronto, 37,620,583; Ottawa, 7,469,340; Quebec, 3,715,675; Hamilton, 3,693,677; Winnipeg, 3,196,489; Halifax, 2,968,811; St. John, 1,710,223; and Vancouver, Victoria, and New Westminster together, 5,336,310.

REVIVING THE SNUFF BOX.

The latest fad in London society circles, while not detrimental to the sale of tobacco, appears destined to aim a crushing blow at the timid cigarette. Some time ago, says a London letter, when it was suggested in one of the society papers that there was to be a revival of snuff-taking, the idea was scouted in social circles, but there can be no longer any doubt that the habit is growing fast, particularly among young men, though it has not attained that dignity of former days which is now seen depicted through the medium of paintings and the stage. "The tendency," said Mr. Evans, a member of the two-century-old house of snuff manufacturers in the Haymarket, "is now to carry smaller snuff boxes than formerly, but snuff is carried by a far larger number of persons. The old snuff-takers—the Sir Peter Teazles and Lord Peterhams of earlier days—used to favor plain snuff, but the new snuff-taker of the twentieth century is affecting perfumed snuff. He likes the scent as he applies it to the nose, while the snuff-taker of a century ago liked something sharp that he could feel.—The old snuff-taker went about with a deep snuff-box that would hold a quarter of a pound. The new snuff-taker favors a tiny box that he can slip into his waist coat pocket and that holds a quarter of an ounce." Mr. Evans reached down yellow old ledgers showing snuff accounts of his firm with peers in the year 1764 and onward. A remarkable fact is that prices then were just about the same as now.

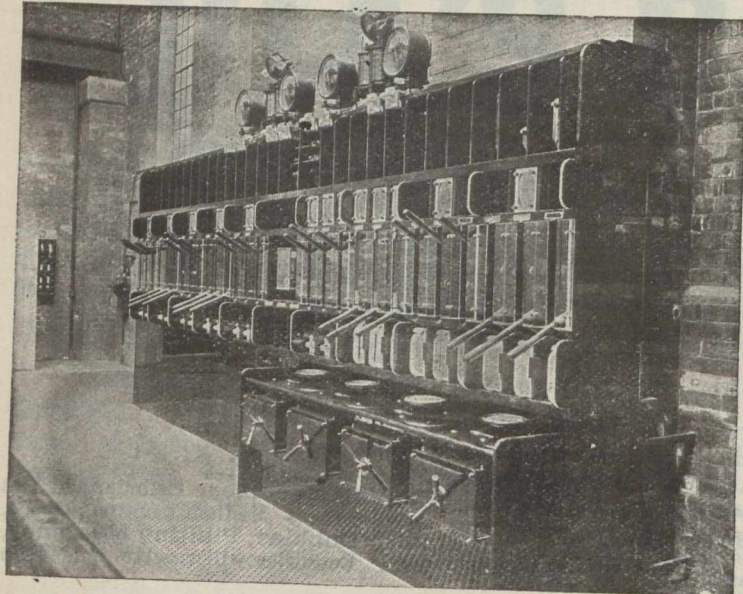
The modern snuff-taker is affecting a very old institution—namely, the tartan snuff box. It is small of size, made of wood, with a smooth design on the lid giving one or other of the various clan tartans. Polished Spanish wood or tartan boxes are all the go now.

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DAIRY PRODUCE.

A private London circular dated 7th instant, treating of dairy products, says: Butter.—The temperature continues cold and wintery in every butter producing country of North-Western Europe, as well as all over the United Kingdom, and a better consumptive demand is felt by the provision retailers. Australian and New Zealand butters are meeting an improved demand, owing to the lessening arrivals. In secondary grades there is an excellent demand, as this class of goods is very short in supply. Strictly choicest brands are making 110s per cwt., and others are fetching 106s to 108s. Finest grade is making 102s to 104s per cwt. The Copenhagen Committee has again raised the Official Quotation by another 2 kroner, and it now stands at 96 kroner, against 103 kroner last year at this date. Although the Danish imports are about 2,000 cwts. per week more than last year, the Australian imports are 6,000 cwts. less, and there is a general feeling that a shortage of choicest butter is at hand, and high prices for the next two months are expected.

Cheese.—Choicest Canadian cheese, both coloured and white, are being held for 51s to 52s per cwt. The demand is an improvement on last week, and is specially strong in underpriced goods at about 46s, of which the quantity is limited. The stocks of Canadian cheese in London are 78,000, against 142,000 last year at this time. The Tongariro brought about 2,692 crates of New Zealand cheese, which is selling at the same prices as last week. Corresponding week, 1901, choicest Canadian cheese fetched 53s to 54s and finest 51s to 52s.

THE NEW CORISTINE BUILDING.

Among the heaviest sufferers by the fire which destroyed the Board of Trade building and the large adjoining ware-

houses, was the James Coristine Company, Limited, wholesale hatters and furriers. With commendable enterprise, Mr. James Coristine, who is the largest property owner in the vicinity, began rebuilding immediately, and so energetically was the work pushed forward, that the premises, consisting of more spacious warehouses for the Company's business and a number of offices for such tenants as formerly carried on business in the Board of Trade building, are about ready for occupancy. The new structure is imposing in appearance, being six storeys in height and built of white marble and Don Valley brick, quite in contrast with the antiquated buildings in the vicinity. The opening up of Lemoine street through to St. Nicholas street, between the Coristine Block and the Board of Trade premises—now being reconstructed—adds materially to the value of the property all round, and most of the old substantial firms who were burnt out are returning to their former localities. Pending the construction of their new building, the James Coristine Company, Ltd., has occupied warehouses on McGill street, near the new Grand Trunk premises.

BAY OF QUINTE, ONT., NOTES.

The Central Ontario Railway has had specifications completed and will ask for tenders for the construction of a new station at Picton. It is believed the building will be ready about August.—E. N. Lockwood of Prescott has secured a lease of a store on Main street, Deseronto, and will commence business as tailor and gents' furnisher about March 1.—Last week, Mr. Miller, an experienced canner from Port Hope, was in Napanee, and had an informal interview with the Mayor and several of the councillors about establishing a factory there for the purpose of canning berries and tomatoes.—It is announced from Kingston that the Bay of Quinte route will be supplied




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next summer by the North King and the Spartan, and probably a new steamer will be put on in place of the Hero.—A company of Kingston capitalists have bought up all the iron properties around Tamworth, and are to commence developments at once.

THE EARL OF DUFFERIN AND AVA.

In the annals of the Empire no personality is likely to figure with more brilliancy and political ability than that of the nobleman who breathed his last at his family seat, Clondeboye, Ireland, at the close of last week. The versatility of the Sheridans has passed into a proverb, and in no member of the family was it more thoroughly exemplified than in the Earl of Dufferin and Ava. The name has long been a household one in Canada, where, during his administration in the '70's, he endeared himself to all classes of the people by his warm-heartedness, his infinite tact and his brilliancy on every occasion. It was he who for many years was chosen as ambassador to such foreign courts as called for extraordinary diplomatic ability.

FIRE LOSSES.

St. Thomas, Ont., Feb. 17.—Alma College suffered a few hundred dollars damage; fully insured.—Montreal, 17.—St. Mary's R.C. Church destroyed. Total loss about \$65,000; insured for \$51,800, divided as follows: Scottish Union and National, \$17,800; London and Lancashire, \$20,000; Norwich Union, \$10,000; Aetna, \$4,000.—Alvinston, Ont., 15.—The Alvinston House, owned and occupied by D. McCallum, destroyed, with most of contents. The fire spread to W. S. Ross' shoe shop and residence, which were destroyed. The glass in the Branan block was broken and wood-work scorched, also W. A. Moffatt's office. D. McCallum's loss is \$2,500, insured for \$1,200; W. S. Ross' loss was \$700, insured for \$400. Other losses covered by insurance.—Winnipeg, 16.—Massey-Harris' warehouse at Carnduff, with books, papers and all its contents, destroyed.—Fire at Rat Portage destroyed Young's clothing store, damaged Morrison's confectionery store and the news company's plant and Howe & McLeod's block. Mr. Young's loss is \$10,000; insured in the Manchester and Anglo-American. The block was insured in the Phoenix of Brooklyn and the Sun.—Winnipeg, 14.—Fire in the basement of the store occupied by Mr. T. D. Deegan, dry goods and men's furnishings, Main street, caused damage to the extent of about \$1,000 to stock by fire and water. Wm. Wellband's boot and shoe

store, adjoining, stock valued at about \$1,500, in the cellar, was almost totally destroyed. The fire was caused by a defective furnace. The stock of both premises is fully covered by insurance of \$1,000 in the Queen's on Mr. Deegan's stock; \$1,000 in the Phoenix of Brooklyn, \$1,000 in the Western Association Co. and \$500 in the British America, on Mr. Wellband's stock.—Quebec, 14.—A palace car of the Drummond Line, belonging to the Government, burned in the yards of the Grand Trunk at South Quebec. Loss about \$3,000. Cause of fire, unknown.—Hepworth, Ont., 12.—Residence and post-office occupied by R. Russell, destroyed. Partly covered by insurance.—Montreal, 14.—Fire caused considerable damage to a building occupied by L. Couillard, hardware, Ste. Cunegonde. The fire was caused by the explosion of a lamp. Mr. Couillard estimates the damage at between \$5,000 and \$6,000, which is covered by insurance in the North British & Mercantile Insurance Company.

Meetings, Reports, &c.

THE MANUFACTURERS' LIFE—15TH ANNUAL REPORT.

The Fifteenth Annual Meeting of the Manufacturers' Life Insurance Company was held at the Head Office, Toronto, February 6th, 1902. The report presented by the Managing Director was of the most satisfactory nature, calling forth congratulations from all sides. It was as follows:

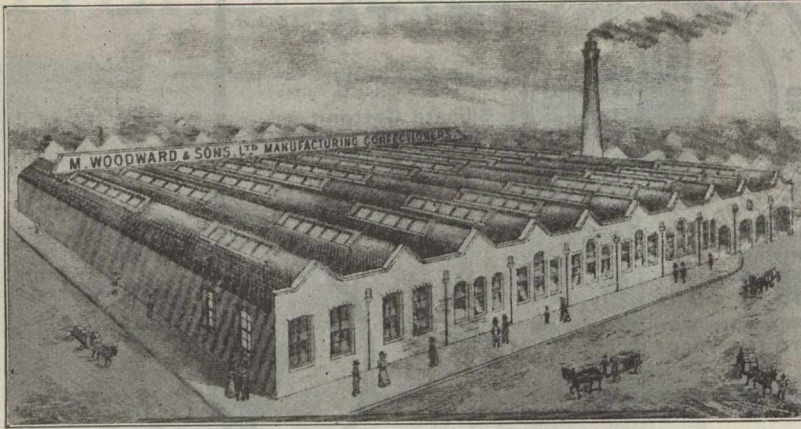
This being the First Annual Meeting since the amalgamation of The Temperance and General Life Assurance Company of North America and the Manufacturers' Life Insurance Company, no doubt a great deal of interest will be taken in the Report of the year's transactions by the shareholders and policyholders, and it therefore gives your Directors great pleasure to be able to lay before you a statement so eminently satisfactory in all particulars.

It might reasonably have been anticipated that the disturbance incident to the amalgamation of two vigorously growing concerns would have resulted for the first year at least in a considerable loss of business, but it is pleasing to learn that the opposite is the case. The one feature in the Company's affairs indicating any prejudicial effect is the number of not-taken policies, which amounted to a little more than the usual percentage of the new business, and were principally from amongst the new policies written during the eight months immediately preceding amalgamation, that is, while rumors were freely circulating

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WHOLESALE & EXPORT



Manufacturing Confectioners,

Manufactory and Office :

Wavertree, - Liverpool, Eng.

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and before a definite announcement could be made. On the other hand, since the actual consolidation in June last, the Company has made rapid strides in every department.

The applications for New Assurances were 3,835 for \$5,663,378.00, being \$531,009.00 in excess of the business of the combined companies for 1900. Of this amount \$606,117 was declined as not being up to the required standard. Applications for \$33,860 were incomplete at the end of the year, and 3,395 policies were issued for \$5,023,401.00. The total assurances now in force aggregate \$27,139,424.00, of which \$8,045,449.00 is in the Temperance section, \$16,640,020.00 in the General, and \$2,553,955.00 in the Foreign.

The net premium and interest income for the year was \$1,064,821.98, being an increase of \$103,595.67 over that of both Companies for 1900. The payments to policy-holders, including death claims, were \$236,073.74, and working expenses and taxes amounted to \$262,932.08, excluding the sum of \$9,230.98, which was expense out of the ordinary connected with the amalgamation. Had the rate of expenses to premium income continued the same as in 1900 the ordinary working expenses would have been \$283,170.94, so that the saving for the six months since amalgamation has amounted to \$20,238.86, or at the rate of over \$40,000 per year, a result which fulfils our estimate and fully justifies the action taken by the Boards of the amalgamating companies.

The excess of income over expenditure is \$572,014.67 a very substantial amount to add in one year to the reserve and surplus for policy-holders.

The claims actually falling in during the year were \$196,356.10, of which \$43,656.10 was in the Temperance section, \$139,520.00 in the General, and \$13,180.00 in the Foreign.

The assets show an increase of \$568,119.03, having almost reached the \$4,000,000.00 mark.

The reserves for policy-holders' on the Government standard amount to \$3,210,710.00 and the surplus on policy-holders' account to \$502,321.50.

The date fixed by legislation for the companies to comply with the more conservative 4 per cent. basis of valuation is January 1st, 1910. This company could comply with this standard to-day and still have a considerable surplus over all liabilities and capital stock.

Altogether with rapidly increasing assets and surplus, a thriving new business, and decreasing expense ratio, the position is a very satisfactory one. Your Directors have good reasons to congratulate you on such results and to record their appreciation of the arduous labors of the officers, office staff and field force, and the success which has attended their efforts during a year when so much extra work and strain devolved upon them. Now that the agencies and head office affairs of the two companies have been fully consolidated and the whole attention of the management can be given to the ordinary requirements of the business, we may reasonably look forward to even greater achievements in the near future.

The auditors' report will be found appended to the accompanying financial statement and balance sheet.

G. W. ROSS,

President.

J. F. JUNKIN,

Managing Director.

FINANCIAL ABSTRACT OF THE MANUFACTURERS' LIFE INSURANCE COMPANY, for the Year Ending December 31st, 1901.

Assets.

Government, Municipal and other Bonds, Stocks and Debentures	\$2,106,819.85
Mortgages on Real Estate	1,077,395.05
Loans on Policies	254,005.08
Real Estate	56,859.24
Deferred Premiums, Premiums in transit, and Interest due and accrued.	246,789.95
Other Assets, (including Cash in Banks)	30,608.08
	\$3,772,477.25

Liabilities.

Reserve for Policies and Annuities	\$3,210,701.00
Authorized Dividends to Policy-holders and Death Claims awaiting proofs, etc.	49,067.00
All other liabilities except Capital Stock	10,387.75
Surplus on Policy-holders' Account	502,321.50
	\$3,772,477.25

Income.

Cash received for Premiums	\$923,102.56
Cash received for Interest, Rents and from other sources	181,719.42
	\$1,104,821.98

Expenditures.

To Policy-holders for Death Claims \$169,622.49	
To Policy-holders for Matured Endowments, Investment Policies and Annuities	33,607.64
To Policy-holders for Profits and Surrender Value	32,843.61
Total payments to Policy-holders	236,073.74
Payments for all other accounts	296,733.57
Excess of Income Over Expenditure	572,014.67
	\$1,104,821.98

Note:

For Security of Policy-holders the Company holds:

(a) Surplus as above \$502,321.50

(b) Reserve as above 3,210,701.00

(c) Uncalled Capital Stock 1,200,000.00

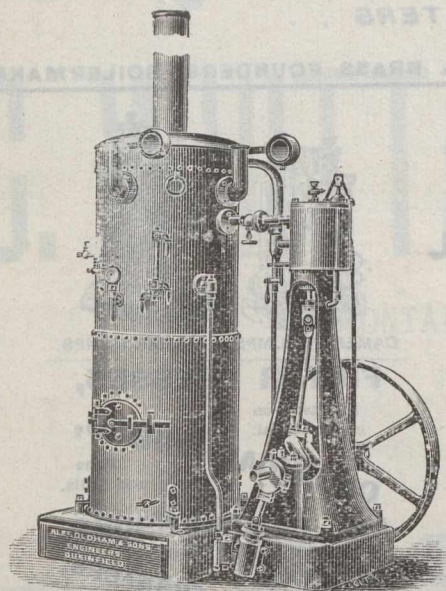
Total Security to Policy-holders \$4,913,022.50

The following statement shows the magnificent increase in 1901 over 1900:—

Alexander Oldham & Sons,

Johnson Brook Patent Piston Works,
and Engineering Works

**DUKINFIELD,
ENGLAND.**

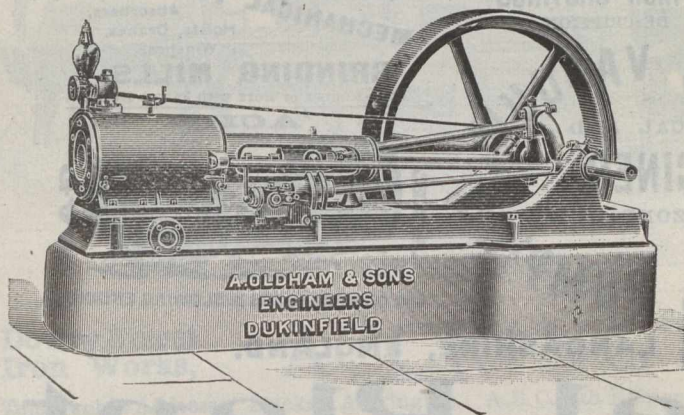


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Ice Making Machinery, Cylinder Boring
Machines, Machines for Planing Valve
Faces in Position, Lubricators, Injectors,
Pistons, Air Pump Buckets, Fans, Me-
tallic Piston Rod Packings, etc.



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

Item.	1900.	1901.	Inc. in 1901 over 1900.	Inc. p.c.
Amount of Insur- ance Issued . . .	\$4,171,663.00	\$5,023,401.00	\$851,738.00	20
Assets	3,204,358.22	3,772,477.25	568,119.03	17.7
Net Surplus . . .	144,734.05	202,321.50	57,587.45	39.8
Security to Policy holders	4,007,713.33	4,913,022.50	905,309.17	22.5

LEGAL RECORD.

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

WRITS ISSUED—ONTARIO.

Erin—Dominion Organ & Piano Co. vs J. C. Blackwood, \$418; Flamboro E. Tp.—P. Duffy vs Margt. Duffy, \$321; Matilda Tp.—J. S. Smith vs Thos. Carter et al, \$508; Mount Forest—Huston vs L. Walker, \$500; Ottawa—C. E. Graham vs Hugh McColl et al, as assignee, \$679; St. Catharines—J. Egan vs E. M. Parker, \$351; St. Mary's—J. Fleming vs J. D. Moore, \$600; Sarnia—E. Kelly vs Chas. Wilson, \$310; Sudbury—Warren Bros. vs Geo. Kaphalakos, \$2,679; Toronto—M. H. House vs G. T. Alexander, \$3,222; Excelsior Life Ins. Co. vs Employers' Liability Assur. Corporation, \$500; A. A. Burrows vs Taylor Bros., \$536; Wellesley—J. Thompson vs L. Meyer, \$500; Winchester Tp.—A. Moffatt vs D. Moffatt, \$425; Berlin—R. Ramey & Co. vs E. D. Lang, \$303; Newmarket—Canada Perm. Corp. vs Harriet M. Bogart, \$853; Ottawa—Ottawa Trust

& Deposit Co. Ltd., vs F. W. and Francis E. Bindon, \$1,185; W. E. Chalcraft & Co. vs M. Lewis & Co., \$3,632; Sutton—J. Gibson vs Jas. Anderson, \$2,648; Toronto J. & T. M. Rowland vs Elmo Henderson, \$19,823; La Patrie Publishing Co. vs People's Syndicate, Ltd., \$348; R. O. Dickson vs J. W. St. John, \$3,380; Wellesley—J. Thompson et al vs L. Meyer, \$500.

Cornwall Tp.—Susan O'Connell vs J. H. Runnions, \$1,358; Forest—Can. Cycle & Motor Co. vs H. L. Morris, \$459; Gloucester Tp.—J. Roy vs H. W. Crouch, \$449; Guelph—P. Connolly vs Bell Organ & Piano Co., Ltd., \$2,000; King Tp.—T. A. Lloyd vs J. C. Stokes, et al, exrs, \$1,200; Ottawa—J. W. Ward vs S. L. Bell et al, \$10,000 damages; Reach Tp.—Arthur Acton vs Geo. Merrick, \$356; Toronto—Trust & Loan Co. vs W. J. Reddan et al, \$3,519; J. A. Cummings & Co. vs John Ryan et al, \$8,881; A. Swain vs Witzel-Groch Company, Ltd., \$313; J. R. Carter vs Witzel-Groch Co., Ltd., \$535; Bracebridge—W. H. Fairhall vs C. H. Kenny, \$1,800; Merrickville—A. T. Hatch vs Hester A. Putnam, \$476; McGillivray Tp.—R. H. O'Neill & Son vs Esleie Hodgson, \$661; Ottawa—Louisa C. Mitchell vs Charlotte G. and J. M. Brady, \$1,870; Quebec Bank vs G. W. Perkins et al, \$7,845; Port Perry—H. G. Smith vs R. L. Gregg, \$459; Stratford—J. Lewis vs John O'Donoghue, \$300; Sturgeon Lake—A. Guerard vs Frank Boyer et al, \$358; Toronto—Trust & Loan Co. vs Clara Scales, \$1,427; Townsend Tp.—Sophia General vs Thos. Hunter, \$1,500; Wiarton—Wm. Kennedy & Sons, Ltd., vs Dominion Fish Co., Ltd., \$377; Victoria, B.C.—M. Ryan vs John and Samuel Jennings, \$1,426.

WRITS ISSUED—BRITISH COLUMBIA

Abbotsford—Jno. Shortreed et al, \$311; Lardo—G. H. Proulx, \$461; Nelson—J. G. Bunyan & Co., \$890; Slocan—J. A. Shupe, \$835; Vancouver—J. Pugh, \$645; M. C. Russell, \$2,620; Kaslo—Carlson & Porter, \$456, \$1,122, and \$2,492; Nelson—J. G. Bunyan & Co., \$391. Dawson & Victoria—W. R. Jackson, \$8,132; Cumberland—J. Richardson, \$460; Kaslo—Carlson & Porter, \$340, \$4-

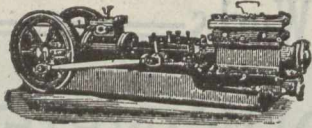
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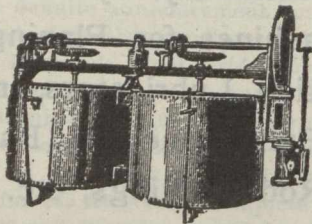
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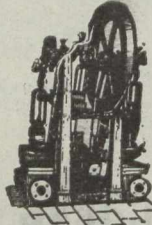
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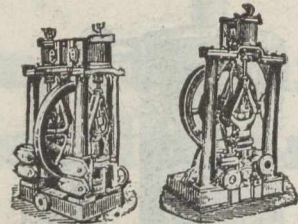
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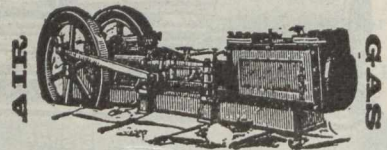
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PRICES AND PARTICULARS ON APPLICATION.

Special Prices to Canadians under the new Tariff

290, \$1,985, \$922; Nelson—Tribune Association, \$3,000; Phoenix—V. Monnter & J. Earle, \$1,553; Vancouver—Rothsay Shipping Co., \$2,800; Victoria—Upper Yukon Consolidated Co., \$469,

WRITS ISSUED—MANITOBA & N.W.T.

Crandell—W. D. Bowes, \$505; Carberry—Treavor & Lee, \$702; Indian Head—H. W. Skinner, \$640; Strathclair—Hamilton & McDougall, \$512.

Oak River—E. H. Gling, \$2,000; Winnipeg—Keizer Brick Machine & Mfg. Co., \$533.

JUDGMENTS RENDERED—ONTARIO.

Crampton—R. L. Patterson agt Geo. Tye, \$333; Ottawa—S. J. Major agt Hercule and J. A. Pinard, \$687; Smith Tp.—H. Gravell agt Geo. Bell, \$1,000; Toronto—Galt Knitting Co. agt Boulter & Stewart, \$326; Bank of Hamilton agt A. K. McIntosh, \$8,745; Caradoc Tp.—W. Francis agt W. T. Bateman, \$347; Cornwall—W. R. Brock & Co. agt J. E. Tallon & Co., \$409; Ellice Tp.—J. Abell Engine Wks. agt F. Densted, \$1,162; Toronto—Furness L. & S. Co. agt Jno. Davison, \$3,270; Synod Diocese of Toronto agt J. W. Dowd, \$542; F. Cayley agt W. G. and E. J. McWilliams, \$343; Toronto General Trusts admrs agt Wm. Murchison, \$570.

Ottawa—D. J. Driscoll agt F. D. Gougeon, \$571; Windsor—T. H. Cook agt J. S. Nesbit, \$715; Bancroft—F. J. Marshall agt D. H. Morison, \$350; Goderich—Can. Sav. L. & B. Association agt J. H. Armstrong, \$309; Hensall—Dominion Bank agt Thos. Welsh, \$420; Ottawa—C. E. Graham agt Katherine W. F. Farland et al, \$537; W. Bell agt C. L. Meyer, \$428; Seaforth—T. McKenzie agt J. P. McLaren, \$756; Toronto—H. S. Scheyer & Co. agt J. Grills \$323; W. R. Tudhope agt R. J. Henderson, \$345; Atlas

Bolt & Screw Co. agt E. A. Wallberg, \$1,490; Uxbridge—Brereton & Manning agt J. F. Brownscombe Co., Ltd., \$1,161; Toronto—Can. Gen. Elec. Co. agt E. A. Wallberg, \$1,324.

JUDGMENTS RENDERED—QUEBEC.

Montreal—J. J. Goulet agt Cie d'Opera Comique, \$480; F. Ranall et ux agt Jno. Keegan et al, \$1,999; Dme. Eliza Vallee et vir agt Nap. Larin, et al, \$869; A. J. Brice agt Jas. McShane, \$4,715; St. Henri—L. Girard et al agt J. B. Ritchot, et al, \$497; Farnham—W. King & Son agt Dme. M. Flood et al, \$492; Montreal—E. Leclerc agt A. Archambault, \$625; Merchants Bank of Canada agt Citizens' Ins. Co. et al, \$200; Can. Office and School Furn. Co. agt La Cie de l'Opera Comique, \$1,586; J. Withell agt J. H. Superior, \$1,000; Camille Bourdon agt W. Tardif, \$400; Credit Foncier agt Aime Viau, \$812.

Montreal—G. DeSerres agt Jos. Collette, \$302; city of Montreal agt Robt. Duncan, \$336; Sutton—H. Dodge et al agt Jos. Leblanc, \$615; Thetford Mines—D. Ross agt Simon Black, \$430; Montreal—Sun Ins. of England agt J. P. Bamford, \$5,512; St. Ans. de Pierreville—Caverhill & Kiscock agt Dme. J. Rouillard et al, \$7,741.

Vancouver—John Pugh, \$658; Victoria—Upper Yukon Consolidated Co., \$913.

JUDGMENTS RENDERED—BRITISH COLUMBIA.

Sandon—Main Bros., \$2,968; Seattle—Icy Strait Packing Co., \$83,587; Victoria—Louis Casey, \$4,320; Nelson—Mrs. E. McLaughlin, \$682; New Denver—Jno. Williams, \$406; Victoria—Upper Yukon Consolidated Co., Ltd., \$1,750.

JUDGMENTS RENDERED—MANITOBA & N.W.T.

Arcola—T. H. Towers, \$721; High Bluff—J. D. Williams, \$2,137.

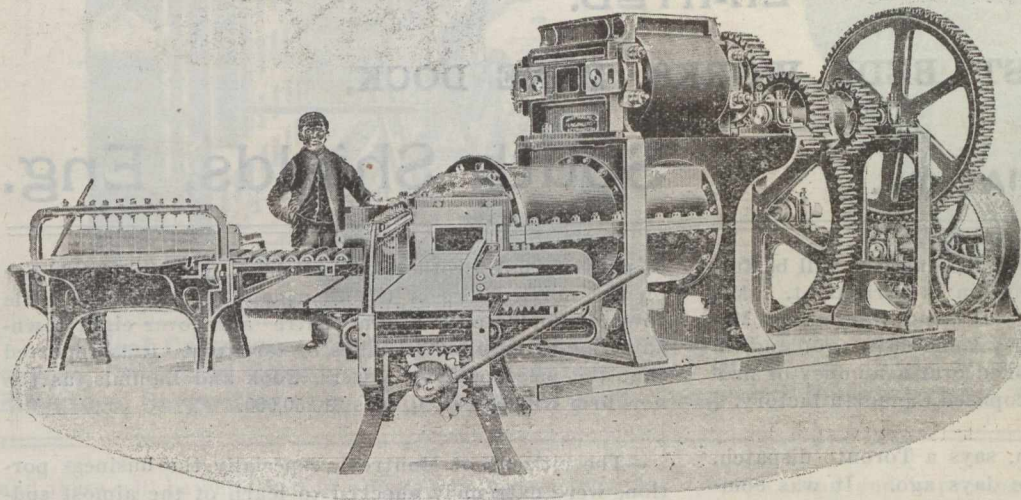
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HORIZONTAL PLASTIC BRICKMAKING MACHINE.

Double Delivery Machine.



Main Points :

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ACCRINGTON Lancashire, England.

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

EXECUTIONS—QUEBEC.

Montreal—U. Garand et al agt C. B. Armstrong, et al, \$740; Dme. Lucy Tate et vir agt Avila Favreau et al, \$285; J. Chevalier agt S. Faille, \$981; Westmount—E. C. P. Guy et al agt Francis McMann, \$894.

CHATTEL MORTGAGES—ONTARIO.

Blenheim Tp.—R. W. Bass to A. Tew et al, \$2,321; Gananoque—Alfred Rogers, to J. Gibson, \$783; Omemee—J. J. Nicholls to G. H. Hopkins, \$1,100; Ottawa—H. R. Cluff to H. Masson, \$2,200; Orangeville—W. J. Jackson et al to R. J. Frampton, \$1,100; St. Catharines—D. C. and Margt. Van Duzen to Taylor and Bate, \$2,553; Toronto—Richard Alcock to Toronto Brew. & Malt Co., \$4,300; Fredk. Hayward and Margt. C. Bryce to A. W. Briggs, \$600; D. McDougall and Mrs. Margt. Rummery to J. O'Neill, jr., \$600; Mrs. Caroline Smith to H. R. White, \$708; F. W. Unitt & Co., to J. Robertson Co., \$1,075; Dunwich—P. D. McCallum to Landed Banking & L. Co., \$3,550; Gananoque—J. F. and S. A. Shiels to Ann Shiels, \$2,000; Edward Stunden to G. Stunden, \$580; London—P. A. Bartlett and wife to C. T. Pearce, \$947; W. R. Boyce to J. O'Flaherty, \$5,000; Mount Elgin—W. C. Pow to H. Golding, \$1,000; Ottawa—Thos. Boucher to Capital B. & M. Co., \$1,200; E. J. Holland to R. L. Crain Co., \$1,400; Rat Portage—E. Appleton to Hon. J. E. P. Vereker, \$2,681; Tilsonburg—W. E. & F. J. Barkey to A. S. Barkey, \$6,018; Toronto—C. V. Connolly to G. H. Clarkon, \$565; A. S. Hamilton to J. Craig, \$1,000; W. D. McVey to W. A. Lyon Co., \$1,304; Thos. Ryan to Cosgrave Brewery Co., \$1,850.

CHATTEL MORTGAGES—MANITOBA & N.W.T.

Indian Head—A. Dundas, \$2,044; Winnipeg—Andrew and Grace F. Schmidt, \$1,000.

CHATTEL MORTGAGES—BRITISH COLUMBIA.

Victoria—Terry & Marett, \$4,600; Pallow & Son, \$5,968.

BILLS OF SALE—ONTARIO.

Barrie—E. Leonard to Mary E. Leonard, \$800; Elmira—Jno. Randall to F. Bernhardt, \$600; London—J. S. Shaw to J. Anderson, \$1,250; Mattawa—W. A. Fraser to A. M. Fraser, \$900; Orangeville—R. J. Frampton to W. J. Jackson et al, \$1,100; Ottawa—W. A. Cole, as assignee, to R. Marks, \$1,614; Toronto—Fernley & Matthews to J. Hickman, \$786; G. T. Gorrie to Toronto Lithographing Co., \$3,500; D. McDougall and Mrs. Margt. Rummery to J. O'Neill, jr., \$750; L. Williams to F. Hayward, et al, \$1,000; Fort William—Carpenter & Co. to Hammermill Paper Co., \$3,000; Detroit, Mich.—C. W. Kotcher to Bennett Bros. Lumber Co., \$10,440.

BILLS OF SALE—BRITISH COLUMBIA.

Vancouver—Imperial Syrup Co., \$12,000; Victoria—F. W. Fawcett, \$4,600.

BILLS OF SALE—BRITISH COLUMBIA.

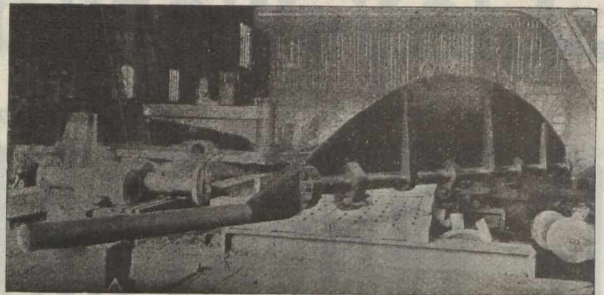
Indian Head—H. W. Skinner, \$6,915.

—The citizens of Brantford, Ont., have long been contending for more direct railway facilities with the Grand Trunk, and it seems as though this is to be finally consummated. We learn from that city that the terms upon which the Grand Trunk will place Brantford in the main line between Niagara Falls and the Sarnia tunnel have been made known. To build a line from Copetown to connect with the Brantford and Tilsonburg line at a point near this city will cost about \$118,000. It will cost the company, according to Vice-President Frank Morse, an additional \$100,000 to grade the road and strengthen the bridges on the track between here and Paris. The Grand Trunk Company will spend about \$218,000 upon the work, and ask the City of Brantford to pay \$58,000 as its contri-

Single Plated Built Rudder

**FINISHED COMPLETE
READY FOR SHIPPING**

Manufactured in 6 Days
...By...



THE

**Fownes Forge and Engineering Company,
LIMITED.**

ST. BEDE WORKS, TYNE DOCK,

REPAIRS A SPECIALITY.

South Shields, Eng.

bution towards the total outlay. The matter will be further considered before any decision is arrived at. Mr. Kennedy, Superintendent of the Deering Harvesting Machinery Company, was in the city some days ago (and, in company with Mayor Wood, looked over a number of proposed sites for the company's proposed Canadian factory.

—A representative deputation, says a Toronto dispatch, paid Premier Ross a visit some days ago. It was composed of Mr. C. M. Bowman, M.L.A., Mr. Samuel Russell, M.L.A., Messrs. M. J. Hanry, Toronto; E. W. Rathbun, Deseronto; W. W. Dusen, Toronto Junction; J. Knechtel, Hanover, and a number of other men prominent in the cement manufacturing industry of the province. Hon. Mr. Ross was requested to insist on Canadian Portland cement being used in all chartered, subsidized and public works. The cement industry in Ontario, it was pointed out, by the interviewers, is an important one and should be aided in every possible way. The Premier confessed to being impressed with the representations made to him, and promised careful consideration.

—A meeting was held at Toronto last week of the creditors of Matthew Richardson & Co., who for about thirty years carried on a large general store business in Flesherton. Some three or four years ago they opened a branch in Dundalk, which branch was shortly afterward burned out, entailing a loss, it is stated, of \$10,000 over the insurance carried. The business at Flesherton was sold out in September, and that at Dundalk about a month ago. It is thought the assets will show a considerable nominal surplus. There is a very general feeling of sympathy for Mr. Richardson, who had a successful and honorable business career.

—The annual meeting of the Cataract Power Company's shareholders was held at Hamilton, on the 15th instant. The annual report and financial statement were satisfactory. The proposition to increase the capital stock from \$2,225,000 to \$2,500,000 was carried. The idea is to extend the Radial Electric Railway from Burlington to Oakville this spring, hence the increase in the stock. All the directors were re-elected, and the same officers chosen again, as follows: Hon. J. M. Gibson, President; Messrs. James Dixon, Vice-President; John Patterson, Secretary; John Moodie, treasurer; John Dickenson, M.P.P., J. W. Sutherland, J. A. Kammerer, E. B. Smith and J. B. Forbes.

—The greatest sale of lumber mills and timber limits in Canada for many years, says a Toronto letter, that of all the property, limits, mills, waterways, and franchises of Cook Brothers, has just been consummated. The buyers are Geo. W. Cook, nephew of H. H. Cook, and Geo. J. Cook, members of the old firm, and Wm. Lummis, late manager

of part of Cook Brothers' properties. The limits sold are on the north shore of the Georgian Bay, with the little town of Cook's mills as the centre and cover eight townships, or three hundred miles of territory. It is reported that the price paid by Messrs. Cook and Lummis, as the new firm will be called, was \$1,250,000.

—The citizens of Montreal, especially the business portion, were extremely shocked to learn of the almost sudden death of Mr. Archibald Gordon Robertson, youngest son of the late Geo. Ross Robertson, the well-known insurance man, which took place on Tuesday last at his residence, Mackay street, in his 32nd year, from pneumonia. His widow, his brothers, Geo. R. and William S. Robertson (with whom he had been in partnership for a while), and the surviving relatives have the sympathy of the entire community in their bereavement. The deceased gentleman was for some time a partner in the firm of Robertson & Jack, from which he retired some two years ago.

—At a largely attended meeting of fire insurance companies, held in New York last Tuesday, a resolution was adopted providing for an advance in rates throughout the United States east of the Rocky Mountains, with the exception of New York city and its immediate vicinity. The resolution gives as the reason for this advance that losses have been very heavy, and during 1901 a remarkable number of fire insurance companies were forced to liquidate on account of their serious losses. The Paterson and Waterbury conflagration coming on the heels of a bad year, necessitated prompt action by insurance companies.

—A Quebec letter of the 18th instant reads: Mr. Gilderleeve, manager of the R. & O. Navigation Company, and Captain Johnson, superintendent, spent the day in company with Mr. R. Forget, who is now in town, inspecting the wharves and other property of the company here, with the object of making the necessary improvements before the opening of navigation next spring. It is said on good authority that the deal for the purchase of the adjoining wharves, which will give the above company a water front extending from the Quebec and Levis ferry to Pruneau's wharf, was closed.

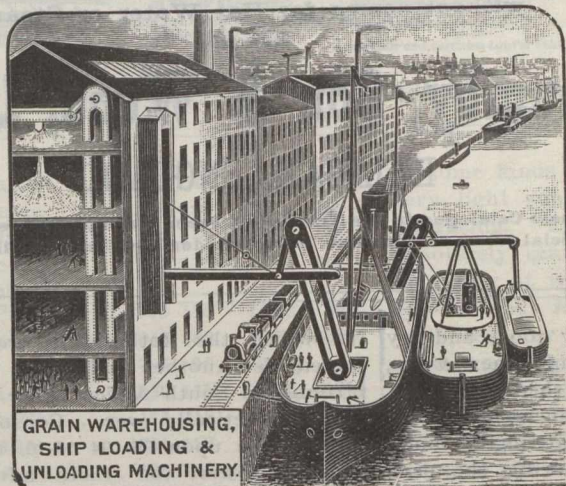
—Belleville, Ont., advices report that at a conference between Mr. T. M. Kirkwood of Toronto and the Industrial Committee of the City Council, on the 17th inst., an agreement was arrived at for the operation of the rolling mills. The city is to pay Mr. Kirkwood \$5,000 per annum for ten years, and exempt the works from taxes for the production of 7,000 tons of bar iron per year, and free rates on any quantity above 3,500 tons, but no bonus on a less quantity. There are other provisions as to non-operation,

Contractors to H. M. GOVERNMENT.

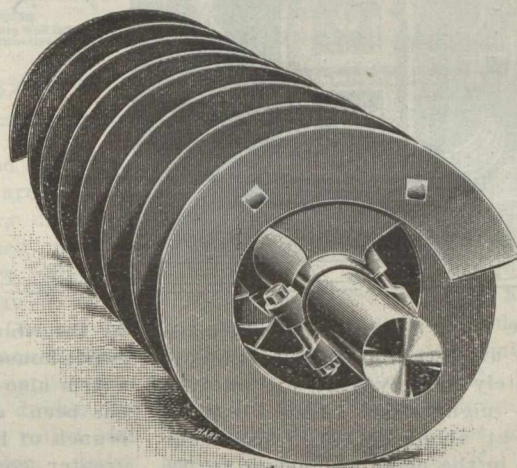
Telegrams: "CONVEYOR, ACCRINGTON."

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.

and these will be embodied in a by-law to be submitted to the people.

—Messrs. Geo. Gale & Sons, of Waterville, Que., who were unfortunate in having their factory and works burned on the 30th ult., commenced rebuilding immediately. Arrangements have been completed for restoring the plant and they expect to be casting bedsteads by the 15th March, and to have the whole factory in working order early in April. In rebuilding and installing a new plant, they are

modernising and improving the factory and equipping it with the latest and best machines, and will have larger and better facilities than ever.

Death has been busy among our prominent business men of late. Mr. John A. Pillow, of the Pillow-Hersey Co., died Mr. John A. Pillow, of the Pillow-Hersey Company, died at his residence on Sherbrooke street, on the 16th inst., of aneurism of the heart, after a fortnight's illness. Mr. Pillow, who was in his 63rd year, was a highly successful man of business. He leaves a widow and two sons, who have the sympathy of the community in their great loss.

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.

—The Government's large diamond drill has been ordered to the iron locations at Steep Rock Lake, on the Canadian Northern Railway, in which American capitalists are interested. The deposit contains surface showings of hematite. Other properties in that neighborhood held by Fort Frances parties have had a small amount of development work done upon them, and are considered promising locations. The prospect is that a large amount of development work will be done for iron in that neighborhood on the opening of spring.

—The extent to which U.S. manufacturers of agricultural machinery are pushing the export trade may be judged from the following New York dispatch: The steamship *Castello*, third of the five Wilson liners which have been engaged for the purpose of conveying American agricultural machinery to the Black Sea this season, is expected to arrive here shortly and is scheduled to sail for Novorossisk and Odessa on February 20, with some 6,000 tons of reapers, mowers, etc.; 2,000 tons will be forwarded by D. M. Osborne & Co., of Auburn, N.Y.

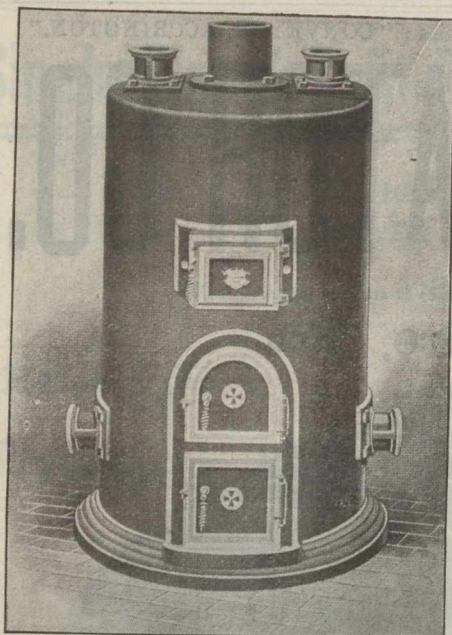
—Dominion Agent Speers, who has just returned from the Western States, says 50,000 United States farmers and families will settle in western Canada this year.

—Mr. R. D. Turner, who has just returned from a hasty trip to Newfoundland, for Messrs. Geo. Gale & Sons, says he saw no snow in the

southern portion of the island. Cattle were grazing in the fields along the line of railway.

—Main street property in Winnipeg, next to the Dominion Bank, was sold recently for \$1,000 a foot to R. J. Mackenzie, formerly of Toronto, on which a ten-storey structure will be erected this spring.

—Mr. H. V. Meredith, local manager of the Bank of Montreal, whose close attention to business for long years, has surely earned for him a little respite, left on the beginning of the week for a trip to the Mediterranean, accompanied by his wife and Mr. James B. Allan, her brother. The party have the best wishes of hosts of friends for a pleasant voyage and return.



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

—The E. H. Phelps Company spoke factory at Merriton, Ont., was almost completely destroyed by fire on Wednesday night last. Loss roughly placed at about \$75,000. The insurance is in the neighborhood or \$40,000. The following are some of the companies interested: Western, \$6,700; Northern, \$8,140; Royal, \$5,140; Queen's, \$5,140; Hartford, \$5,140; North British and Mercantile, \$2,000.

—L. A. Jalbert, trader of Griffin Cove, Gaspé, assigned on the 15th inst Assets, \$700; liabilities, \$3,131. Montreal, Quebec and Toronto merchants are the principal creditors and are called by order of the Court at a meeting to be held on the 4th March next, at the Prothonotary's Office, Perce, for the appointment of a curator and inspectors.—Alfred LeMarquand, merchant of Pabos, is also in financial difficulties.—The Perce Wharf—Heney & Smith, Ottawa, contractors for Government, will probably be completed during next summer. A depth of 21 feet of water at low tide will enable steamers plying between Montreal and Dalhousie and Gaspé ports to moor alongside, thus saving the merchant and tourist the costs and danger of parting and reaching shore in open boats, a mode of transit heretofore causing delay and inconvenience.—Malbay, Gaspé Bay and the waters of the Gulf have been generally free from ice up to the second week in February. As this is no exceptional winter navigation is certainly possible here, along the coast and part of Bay des Chaleurs ten months in the year, closing in the first days of February to re-open beginning of April.

LARGE DRY GOODS PURCHASE.

The negotiations set afoot some few weeks ago between the estate of J. G. Mackenzie & Co., acting through Mr. H. M. Allan, for the sale of the wholesale dry goods business of the former, were completed last week by the purchase of the entire business, stock, fixtures, book debts, good will, etc.,

by the wholesale fancy goods and dry goods house of Hodgson, Sumner & Co., a firm also long-established and which has been eminently successful in a branch of business admitting of much greater competition during the past decade than many of those engaged in the more distinct lines of trade. Messrs. Hodgson, Sumner & Co. will continue the acquired business in the old premises meanwhile. As experienced dry goods merchants themselves, the new firm may be said to have made a good investment.—Mr. Creak, who has completed his accounting of the acquired business, has gone South for a holiday.—Mr. George Cleghorn, son of the retired active partner of the Mackenzie firm, has accepted a position with the enterprising wholesale house of W. R. Brock & Co., Toronto and Montreal.

FINANCIAL REVIEW.

Montreal, Thursday E'vg.

20th Feb., 1902.

The statement of the Richelieu & Ontario Co. presented at the annual meeting yesterday was the best on record. The gross receipts in 1901 were \$1,109,458, the expenses, \$943,361, which leaves \$166,097 as net profit, which is more by \$36,775 than in previous year. The sum of \$80,000 was spent on improving the steamers. The stock is to be increased by a new issue of \$626,400, to be issued at par to the shareholders. The estimates brought down by the Finance Minister are earlier than usual, but it is easy to put in practically a blank statement which can be filed in later. Estimates are of this elastic nature, they give a clue to the minimum expenditure but are no index whatever as to the maximum. We note that a sum has again appeared in the Estimates for work in the harbour of this city. This was done last Session but nothing further was done of any moment. The formation of the South African Copper Trust, with a capital of \$3,000,000,

in which the Rothschilds are interested, is another indication of the trouble in South Africa being regarded as practically over. Consols have been close upon 95, 94 13-16, but are slightly lower, and their advance is regarded as certain in the near future. A proposition has been made to convert \$500,000,000 of the preferred 7 per cent. shares of the great United States Steel Corporation into 5 per cent. bonds, which is a pleasant prospect for investors who took this stock on the assurance that it would be 7 per cent. This proposition will not inspire confidence in these vast combinations. The United States Steel Corporation has distributed \$10,000,000 to its members which represents 5 per cent. on the \$200,000,000 capital pledged in a contingency by the syndicate, but is 40 per cent. net profit on \$25,000,000 actually paid in. The affair is not favorably commented upon. The financing of these huge concerns is highly peculiar and suggestive of what in smaller affairs would be called fraud.

On the local 'Change Pacific has been selling at 115½ to 115¾; Heat and Power, 95½; Dominion Cotton, 54¾ to 56; Dominion Steel, 33 to 33¼; do. preferred, 86½; Dom. Coal, 73¾ to 78½; and preferred, 117¾; Twin City, 110¾ to 111½; Montreal St., 277½ to 279. Bank stocks move slowly, Toronto, 232; Commerce, 152; Dominion, 240; Hamilton, 227½. Local foreign exchange, 60's, 9¾; demand, 9¾. Paris, exchange on London, 25f. 14½c.; Berlin, exchange on London, 20m. 46½pf. Call money in New York is 2¼ to 2½, and first class trade paper, 4 to 4½. Though money in London is tighter, the market is buoyant. Local money rates are unchanged.

The following is a comparative table of stocks for week ending Feb. 20th, supplied by Chas. Meredith & Co., Stock Brokers, Montreal:

Banks.	Shares sold.	Average same date		
		Highst.	Lowst.	1901
Montreal	8	256¾	255¼	258
Toronto	6	232	232	194

VENTILATORS & SMOKE CURES

HEAT, GOOD, CHEAP.
IN ZINC.

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.

Many References, etc.

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

Fig. 15.
ACME Door and Partition Louvre Ventilator

"Acme" Mechanical Ventilator. SPHERICAL VENTILATORS.

Fig. 22.
Wave Proof. Snow Proof. No Goods GENUINE without Any Size or Pattern for the TRADE MARK Affixed. Buildings, Drains, etc.

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

Fig. 24.
Venetian Dry Wall Inlets.
Various Sizes from 1/2.

ACME VENTILATING & HEATING CO., LIVERPOOL, ENGLAND.

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

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

Merchants	83 148	147	155
Commerce	44 153	152	151 1/2
Hochelaga	109 145	143	130
Quebec	1 115	115	117
Miscellaneous			
Can. Pac. Ry. . . .	.3320 116	114 1/2	89 5/8
Montreal St. . . .	.3042 282	274 3/4	264 3/8
Mont. Power. . . .	.1787 96	94 1/2	.....
Toronto St. . . . .	.250 118	117 3/4	107 1/2
Halifax St. . . . .	.175 110	109 1/2	89 3/4
Twin City . . . . .	.4051 112	109 3/4	68 1/8
Rich. & Ont. . . .	.525 113 1/2	112 1/2	108 1/2
Com. Cable . . . .	.270 157	156 1/2	166 1/4
Montreal Tel . . .	.11 173	173	170
Bell Tel. . . . .	.31 170	169	170
Mont. Cotton. . . .	.238 130	129 3/4	140
Dom. Cotton . . . .	.1005 56	54	89 3/4
Can. Col. Cotton. .	.25 57 1/2	57 1/2	77
Merchts. Cotton. .	.119 80 1/4	80 1/4	126
Republic . . . . .	.5100 12	9 1/2	42 1/2
Payne . . . . .	.21700 31	24	47 1/2
Dom. Coal, com. . .	.6802 76 3/8	70	34
Do. pref. . . . .	.55 117 3/4	117 1/2	109 3/4
N. S. Steel, com. . .	.683 68 3/4	65	.....
Dom. I. & S com. . .	.11240 34 1/8	29 1/2	.....
Do. pref. . . . .	.2791 87 3/4	86	.....
Bonds.			
Com. Cable, reg. . .	.3000 98	98	102
Can. Col. Cotton . .	16000 102 1/2	100 1/2	98
Dem. I. & S. . . . .	.109000 83	82	.....

MONTREAL CLEARING HOUSE.
Clearings. Balances.

For week ending		
Feb. 20, 1902 . . .	\$18,912,586	\$2,870,876
Corresponding		
week, 1901	13,258,380	1,799,596
" 1900	13,629,880	1,714,360
" 1899	17,727,311	3,835,678

BRAZILIAN EXCHANGE.

For week ending Feb. 18th, 1902.	
Feb. 11	11 15-32d
13	11 3/4d
14	11 3/4d
15	11 19-32d
17	11 9-16d
18	11 13-16d

MONTREAL WHOLESALE MARKETS.

Thursday, Feb. 20, 1902.

Trade during the past week has shown no features sufficient to create either purchasing or selling beyond necessities; without the fact might be mentioned that fish appears to be the centre of attraction, for with stocks

of some kinds sold out and others in very light supply, prices are rapidly advancing. Eggs are very dear and absolutely scarce. Dressed poultry is selling at wholesale now (when it can be got) for more than it ordinarily sells for at retail. Canned salmon is getting dearer. Canned tomatoes are very firm with supplies fast diminishing. Potatoes are double the price they were a year ago; rolled oats being in the same proportion. Dairy products are steady as compared with former weeks. Leather is quiet. Green hides are dull under light receipts. Hardware is in good request. Dry goods are selling well with a decided firmness in silks, cottons and woollens.

BUTTER.

There has been an increased business passing with good sale for finest fresh creamery for export, with sales at 21c to 22c, and in a jobbing way at 22c to 22 1/2c. Under grades are still neglected and selling very slowly at 19c to 21c. Choice fresh qualities of dairy are receiving more attention with sales at 16 1/2c to 17 1/2c. Medium kinds are slow in sale at 14c to 15c, and low grades at 13c to 13 1/2c.

CHEESE.

The market, though talked firm, remains quiet and business passing is light. Finest Western is quoted at 10c to 10 1/4c, and Eastern at 9 3/4c to 10c. Several large sales are reported at top quotations.

DRESSED POULTRY.

All kinds are scarce and much wanted. Turkeys are worth 12c to 13c lb.; chickens, 12c to 12 1/2c lb.; fowls, 10c lb.; ducks, 10c to 11c lb.; geese, 9c to 10c lb.

EGGS

Very scarce supplies, receipts not being sufficient for requirements. New laid are sold quickly at 29c to 32c; limed at 26c to 28c, and held fresh at 25c to 27c per dozen. Supplies are likely to continue light for some days until milder weather sets in.

FISH.

High prices for other food products is causing an extra demand for fish during the Lenten season, this being furthered in the fresh varieties through the unbroken cold weather. Stocks of all kinds are light, those of fresh B. C. salmon and cod being exceptionally scarce and dearer. Steak

cod is out of the market. Haddock and tom cods are firm and in very light supply. Green and skinless cod are difficult to obtain. Fresh—B.C. salmon, 10c to 11c lb.; Restigouche or Gaspé salmon, frozen, 14c; haddock, 4c; pike, 4 1/2c to 6c; whitefish, 7c; dore or pickerel, 6c to 7c; halibut, 9c to 12c lb.; mackerel, 10c lb.; smelts, 6c to 7c; frozen herring, large, \$1.75 a hundred fish; new tom cods, \$2 a barrel. Salt—B.C. salmon, No. 1 \$11.50 to \$12 per barrel; Labrador salmon, No. 1, \$14 per barrel; No. 2, \$11.50 to \$12; half barrels, \$6.50; Loch Fyne herrings, \$1.15 per keg; salt herrings, bbls., \$5.25 to \$5.50; do. half bbls., \$2.75; green cod, No. 1, \$7 to \$7.50; do. No. 2, \$5 to \$5.50; large, \$8.—Smoked herrings, 12c per box; finnan haddies, 6 1/2c to 7c lb.; St. John bloaters, \$1 to \$1.25 per box.—Prepared — Boneless cod, in bricks, 6 cents lb.; boneless fish, loose, in 25-lb. boxes, 4 1/2c; skinless or dressed cod, \$5 per case; dry cod, in cwt., \$5 to \$5.50 cwt. Oysters — Bulk, standards, \$1.30 a gallon, and selects, \$1.60.

FLOUR AND FEED.

Prices are a shade easier on some brands of flour. Manitoba patents are now quoted at \$4.10 and \$3.80 for strong bakers, outside prices. The movement is fair, considering the bad state of the country roads, which the recent drifting has rendered in many

El Padre Needles

10 Cents.

VARSITY;

5 Cents.

The Best

CIGARS

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

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MONTREAL, Que.

YORKSHIRE RELISH

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

Proprietors, GOODALL, BACKHOUSE & CO., LEEDS.

AGENT FOR CANADA

ENGLAND.

CHAS. GYDE,

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

places almost impassable. Feed is lower, bulk bran being quoted at \$18 to \$19, and shorts at \$20 to \$21. Hay is easier under larger visible supplies. We quote: No. 1, at \$10 to \$10.50; No. 2 at \$9 to \$9.75; clover mixed, \$8 to \$8.50, and clover, \$7 to \$7.50 per ton, in car lots. A Boston letter of the 17th says of the export trade in hay: The word which prominent hay dealers used to describe the export conditions regarding that commodity last week, and, in fact, ever since last September, is "phenomenal." Boston never before experienced anything like the present hay export prosperity. To present one or two figures—steamship Cestrian of the Leyland line, sailed on Wednesday for Liverpool with no less than 19,050 bales on board, the largest single cargo of this commodity

ever carried from Boston; steamship Iberian, of the same line, last Sunday sailed for London with some 12,000 bales. Others have carried various amounts in proportion. During the last four months of 1901 a total of 355,690 bales was carried across the Atlantic, in comparison with 33,000 bales in the corresponding four months of 1900. There has not been any falling off in the shipments since the beginning of the new year. Hull, Eng., has never been at all prominently identified with hay exports, but next week a steamer will carry 8,000 bales to that port, which is only another instance of the present prosperity. There are several reasons for this phenomenal showing, chief of which is the condition of the English market and the size of the crops in Can-

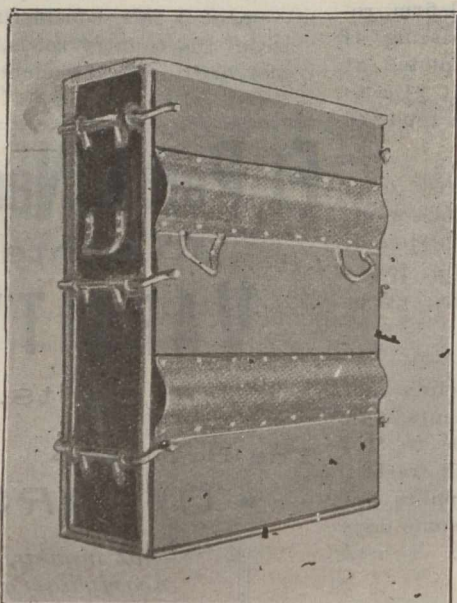
ada and England. Canada during the last hay season reaped the largest crop in her history, whereas the Mother Country gathered in one of its smallest harvests. Another reason for the great trade is the dearth of cotton for foreign shipment this season. Freight rates on hay have been high, therefore shipowners are glad to get it as a cargo. Not only are the rates firm and advancing, but shipments already are booked all the way through March, with most of the Liverpool and London boats filled.

GREEN FRUITS, ETC.

Extreme winter weather has not only interfered with shipments of fruit, but has lessened consumption, so that together, trade is decidedly quiet this week. The quotations are: — Apples, brls., \$3.50 to \$6.00;

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-Gaulking. Guaranteed not to Warp.

Wheels and Axles fitted if required.

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Soap Trade Supplied under the new Tariff

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EILLS & COMPANY,

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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

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WRITE FOR OUR EXPORT PRICE LIST.

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

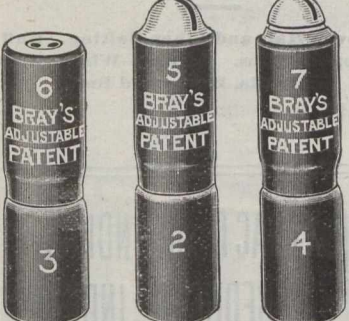
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12 Hanover Street, - LIVERPOOL, Eng.

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Bray's "Adjustable Special" Gas Burners

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

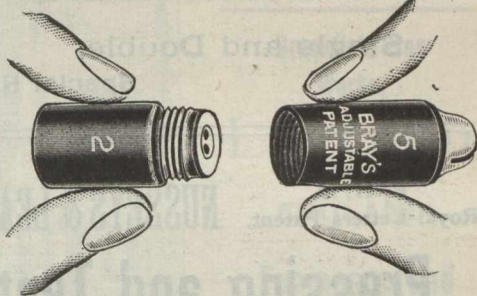


UNION-JET BATSWING SLIT-UNION

SIZES.

|||

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



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

Cal. navel oranges, \$3.50 to \$3.75; Jamaica oranges, \$4.75 bbl.; do. in boxes, \$2.75; Florida oranges, \$3.75 per box; Jamaica grape fruit, \$3.50 to \$6 box; lemons, 360s, \$2.50; do. 300s, \$2.50 to \$2.75; chests of lemons, \$5.50; bananas, eight-hands, \$1.00 to \$1.35; No. 1 do., \$1.75 to \$2.25; extras, \$2.50; new figs, mats, 3½c per lb.; do. boxes, 8c to 12c per lb.; new dates, 4c per lb.; nuts, Pecans, extra large, 17c; sweet potatoes, brl., \$5 to \$5.50; small crates of Spanish onions, \$1.10; Cape Cod cranberries, \$7 to \$10; 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, \$4.50; Florida tomatoes, \$5 crate; Florida tangerines, \$3.25; California tangerines, \$3.00; Cal. cauliflowers, \$3.25 to \$3.50

yellow do., \$3.25 per bbl. — Advices from the principal orange sections in Florida report a speculative movement on looking to the purchase of a large share of the fruit still unshipped. The quantity still held by growers and packers to come forward is figured on conservative estimates to be between 35,000 and 45,000 boxes. The advices referred to state that a New York operator is buying up largely on the basis of \$2.75 per box, "run of grove," f.o.b. On the \$2.75 f.o.b. basis it is stated that the cost in New York would be, roughly, \$3.75 per box, a figure which the present market on the average has not reached.

GREEN HIDES.

Prices unchanged, and receipts very light. A quotation of 10c is made on spring lambskins though arrivals

are very few. The New York market showed free offerings of city slaughter hides with buying slow; native steers quoted at 12¼c. The Chicago market was very dull. Packers were well supplied and receipts were large, which made buyers indifferent. Quotations were: 12¼c to 12½c for native steers, 13¼c for heavy Texas, 12c for butt brands, 11¼c for Colorados, 10½c to 11c for heavy native cows and 10c for branded do. Country hides were quiet at 8c for No. 1-buffs.

GROCERIES.

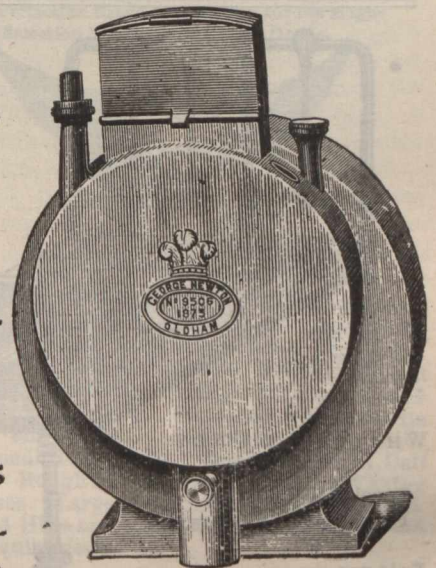
Sugars hold steady at \$3.90 for standard granulated. The market was very firm in keeping with an advance this week by the various U.S. refiners of 5c per 100 lbs. Trade is quiet owing to bad country roads. Brooms will be dearer. A representative delega-

GEORGE NEWTON, LTD.



**GAS METER =
MANUFACTURERS.**

**OLDHAM,
ENGLAND.**



Special quotations under the new Canadian Preferential Tariff.

Established 1857.

JOHN OLDFIELD & CO.,

THE CITY TANNERY
& LEATHER WORKS,

BRADFORD, - - England.

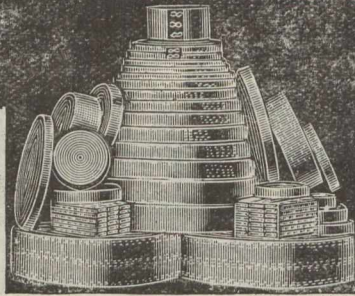
OAK-TANNED LEATHER BELTING.

Single and Double.

LEATHER BELTING

SINGLE AND DOUBLE
LEATHER BELTING

SPECIALTY
EXTRA STOUT
OAK-TANNED



LEATHER-LINK

—OR—

CHAIN BELTING.

For Electric and Heavy Driving

Picking Straps, Bark Tanned Green,

Buffalo Hide & Helvetia.

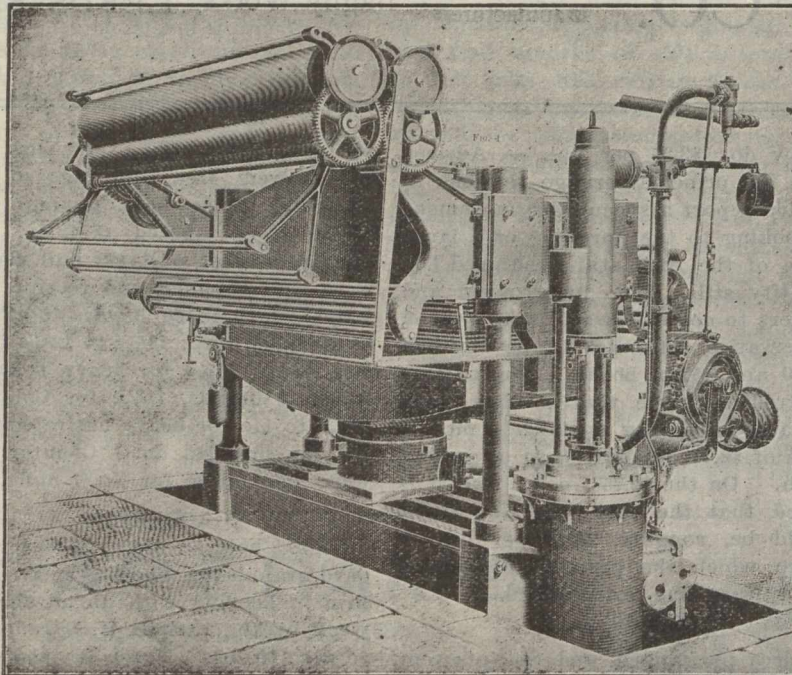
Solid Woven Hair and Linen Belting. Buff-14
Hide, Skeps or Tubs. LACES—White, Brown
(or Oiled,) Helvetia, Horny and Rop.

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By H. M.
Royal Letters Patent.

NUSSEYS & LEACHMAN'S PATENT PRIZE MEDAL

Pressing and Tentering Machines.



MAKERS W. B. LEACHMAN & CO..

EXCEL WORKS,

Great Wilson Street,

LEEDS, ENGLAND.

EXTRACT OF INDIGO.
REDUCED INDIGO.

J. W. EASTBURN,

Baglan Chemical Works:

HALIFAX, ENGLAND.

Special prices to Canadians under the new
Canadian Tariff.

tion of the Broom Manufacturers' Association of the United States and Canada began a discussion in Chicago this week that is expected to result in a horizontal raise of at least 10 per cent in the price of brooms. The association, which represents almost 60 per cent. of the broom output of the country, was called to this special meeting for the purpose of getting better prices for brooms an advance being necessitated, it is explained, by the recent increase in the cost of broom corn. Molasses is likely to be much cheaper. The market for new crop Barbadoes opened for the season 1902, the first cable having been received in Montreal this week, which gave the opening price at 12¾c f.o.b. This is equal to 8c, first cost, 6c below the opening price for 1901, which was 14c. The trade say it indicates prospects for a large crop. Prunes and apricots are both higher in the primary markets. The various distri-

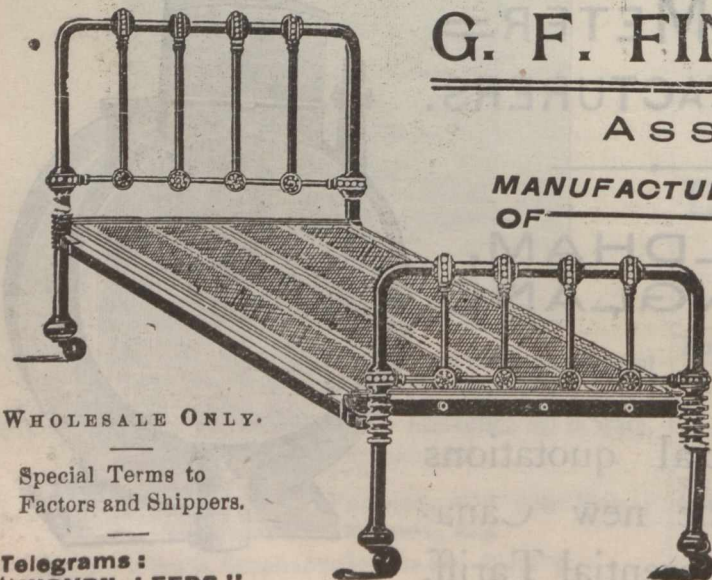
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Assembly Works,

MANUFACTURER
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BEDSTEADS.

Folders, Chair-Bedsteads, Wire Spring Mattresses,
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WIRE MESHES FOR MATTRESS MAKERS.

Angle Irons and Dovetails for Wood Bedsteads.

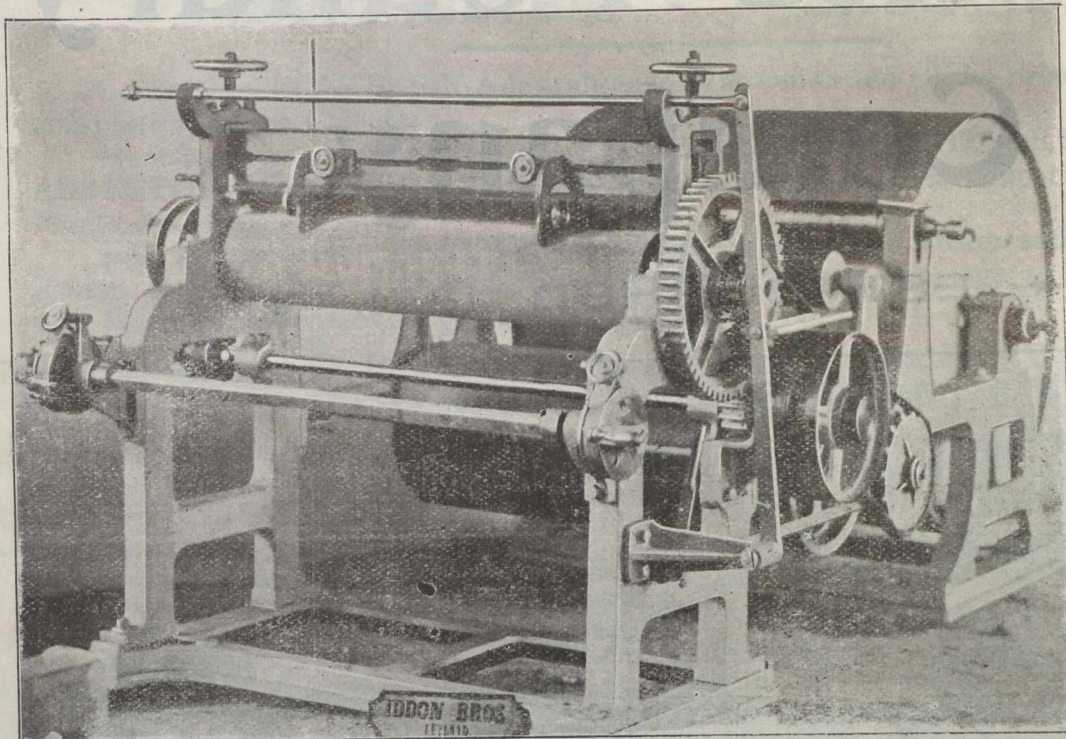
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Plans for erection and Com-
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SPECIALITIES: All kinds of
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buting markets for canned salmon are very firm owing to the advance in England and the heavy demand from there. Cable advices from Vlaardingen, Holland, quote a higher market there on Holland herring. The advices state that Germany is buying freely from Holland and that stocks of Scotch herring are practically exhausted. A cable from Norway stated that the herring fishery there up to the present is a failure.

HARDWARE AND METALS.

List prices on hardware have not changed during the past week. Trade is good and the feeling now gaining general circulation that steel and iron will be at a premium during the coming summer adds strength to the situation, and already assists purchasing to some extent at present values. This feature is so pronounced in the U.S. markets that foreign centres are being sought for supplies to be needed

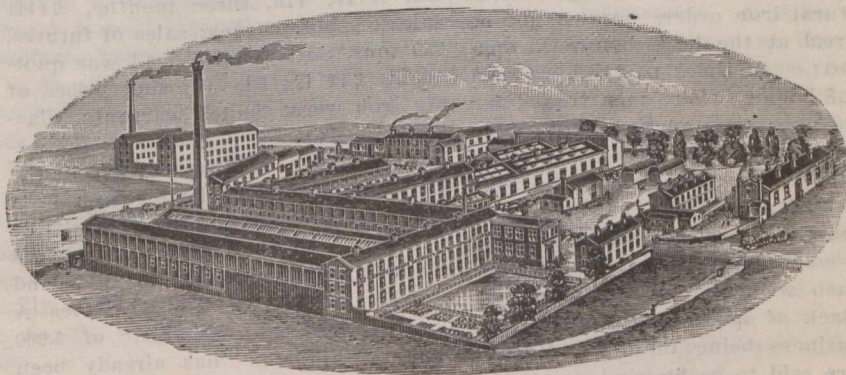
later on. The president of the American Shipbuilding Company stated some days ago that if the mines can produce it and the facilities for transportation can carry it, the production of iron ore in the lake region the present year will exceed 25,000,000 tons. The weak point is transportation facilities from the docks to the furnaces. The railroads have not enough cars and locomotives. "Never," said he, "in my long experience in the iron trade

Telegraphic Address:
"HASTE, BRAMLEY, LEEDS."

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BRAMLEY, LEEDS, - Eng.

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

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

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



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

Widnes Foundry Company.

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Morecambe Pier (East View),

ERECTED, 1898, BY

THE WIDNES FOUNDRY CO.

WIDNES,

Lancashire, - - England.

have I seen such a condition of affairs as exists to-day. The demand for material is such that the trade is actually congested. Corporations which would seem to have the call for a supply of coke are running with half their furnaces idle because the coke cannot be produced as rapidly as it is required by the furnaces of the country. In the iron part of our business we have calls for metal which we cannot fill, and so plentiful is money among our customers that we repeatedly have offers to pay cash with orders if the orders can be filled. A day or two ago the shipyards had three contracts in view for steamers to come out late next fall. Before signing the contracts we decided for safety to find out what we could expect in the way of steel. We found

that the steel for the boats could not be furnished in time for their construction this season. Of course, the contracts were not closed; vesselmen do not care to contract for boats they will not get until the spring of 1903. Structural iron orders now cannot be delivered at the best, before November next. In times past I have seen eras of booms, where men traded far beyond what they ought to have done on their capital, but at the present time there does not seem to be that element of speculation. Never were payments more prompt, and, as I said, we have several times a week offers to pay cash with the order, showing a total lack of speculative influences in the business being offered. Vesselmen are said to be figuring on 24,000,000 tons of ore the coming season.

They are 1,000,000 tons short if the ore can be handled." In metals the tin market is easier. A London cable on Wednesday showed no change in that market quotations being: Spot tin, £117; Tin, three months, £111; sales of spot, 50 tons; sales of futures, 350 tons. Soft Spanish lead was quoted at £11 12s 6d. Closing prices of pig iron were: Scotch warrants, Glasgow, 53s 7d; No. 3, foundry, Middlesboro, 47s 9d. A Glasgow cable of the 17th instant says: The pig iron warrant market developed remarkable strength to-day on American advices promising early imports of Cleveland and hematite to the United States. A contract for the shipment of 5,000 tons of Cleveland has already been placed in Glasgow, and a contract for a considerable lot of Cleveland for

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.

the Dominion Iron & Steel Company of Montreal, which is understood to be oversold to the United States, has also been passed here. The shipment of Cleveland pig iron to Montreal is the first on record. About 50,000 tons of pig iron changed hands in the Glasgow market this morning.

LEATHER AND SHOES.

The movement is slow. Manufacturers are taking supplies as needed, but there is a display of keeping close to immediate requirements bordering too much on decision to suit leather dealers' views. Prices are unchanged.

PROVISIONS.

Dressed hogs are offering much larger and the market has a heavy appearance. Quotations are: \$7.90 to \$3.25. Cured meats are lower under light local demand. Quotations are: Selected heavy Canadian short cut mess pork, \$22.50; heavy Canadian short cut mess pork, \$21.50; Canada short cut back pork, heavy, \$21.50; heavy Canada mess pork, long cut, clear, \$21.50; heavy Canada short cut clear pork, \$21.50; light Canada short cut clear pork, \$21.00; pure Canadian lard, in 20 lb. pails, 11¼c to 12c; compound refined, in wood pails, 20 lbs., 8¾c to 9c; Boar's Head brand, in 20 lb. wood pails, \$1.97½ to \$2.05; Globe, \$1.72½ to \$1.80; 20 lbs., in tin pails, ¼c per lb. less; hams, 12c to 14c; and bacon, 14c to 15c per lb. Liverpool, Feb. 18.—Bacon, short clear backs, steady, 45s; clear bellies, steady, 49s; lard, prime western, in tierces, steady, 47s 4d; American refined, in pails, steady, 48s 6d.—Mail advices from London, date 8th, says: Canadian bacon of the best weight is in short supply and has experienced a good demand; prices have, therefore, improved to the extent of 2s to 3s per cwt. Fat selections, however, still move slowly, but prices have been advanced 2s on heavy selections of leanest and lean.—Mail from Liverpool, date 8th, says: Canadian pea-fed bacon—Arrivals small, especially of light weights, and for fresh landed goods, an advance of about 3s is being readily paid, quotations being from 46s to 50s, according to brands and sizes.

WOOL.

Last week's conditions prevail. Stocks of fine wools are practically exhausted and with new supplies higher prices must be paid. Meantime woollen manufacturers are ordering with more freedom. Cape wool is worth 13½c to 15c.

—The thirty-eighth annual report of the People's Bank of Halifax shows a most satisfactory year in the business of that institution. The net profits were shown to be \$71,122.97. Dividends during the year amounted to \$42,000. There was transferred to the reserve fund \$20,000; applied to reduction of bank premises, etc., \$4,211, and a balance carried forward of \$12,518.

ACME VENTILATING & HEATING COMPANY.

Ventilation is becoming each year a more profound study, a wise precaution in keeping with the growth of population in the large cities and the proportionately greater need for proper and free distribution of pure air, and with free egress for that which is likely to be contaminated. Before us is a list of testimonials as to the thorough efficiency of the improved ventilators manufactured by the Acme Ventilating and Heating Company of Liverpool, England, whose advertisement is to be seen weekly on another page of this journal. This company is desirous of acquainting the Canadian trade with the workings of their ventilators feeling assured that once known, they will be given the same measure of distinction as is being accorded them in the older countries of Europe. We might dwell at length on the necessity for the latest and best in these appliances, but prefer to reproduce letters from some who have given them an actual test. In a recent issue of the Liverpool City News, in a long article headed "Notes at the Healtheries," the following appears: The Acme Ventilating and Heating Company is well represented in this branch of sanitation. This is a local firm, having its head office at 35, Tar-

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,

leton Street, and appears to be a branch for the pursuit of specialised work of the well known firm of Keyworth. The Acme ventilator is a most ingenious contrivance of louvres, so curved as to be completely weatherproof, whilst admitting the free egress of foul air. When fitted as ventilating cowls on board ship, rain and wind are alike defied, and if a sea should be shipped still not a drop of water would penetrate. The latest form which has been devised is that known as the spherical ventilator. In this the head of the cowl is a complete sphere made of concentric sections of metal, arranged in such a form that whatever wind is blowing from whatever direction, an upward current is always induced in the upcast tube. Like the Acme ventilators, the "spherical" is completely weatherproof; a fire engine hose might play upon it without effecting the entry of a single drop of water. Personal trials of the model exhibited are convincing as to the merits of the invention. Its extreme simplicity and absence of moving parts, commend it to the favourable attention of architects and shipbuilders, to any of whom the company profess their willingness to

INVESTMENTS.

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

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

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., Homoeopathic Chemists, London, England.

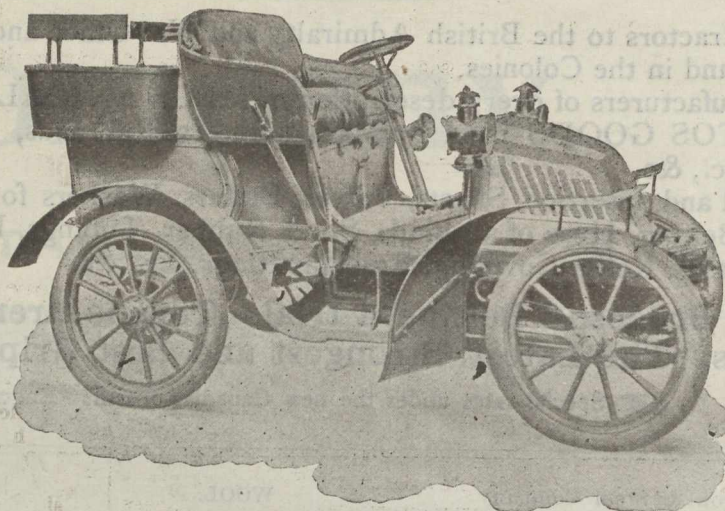
EPPS'S COCOA

BREAKFAST-SUPPER

send, carriage free, a specimen "Spherical" Exhaust Ventilator on free trial for a month. This principle of trying before buying, could only be conceded by a firm which has the fullest confidence in the value of the invention and its intrinsic capacity to perform its work well.

The following appeared in a recent number of The Caterer and Hotel Proprietors' Gazette: Ridge-Cap Ventilator.—We have frequently had occasion to dwell on the necessity of providing thorough ventilation—a matter of sanitation and comfort which is only too often sadly neglected. Of course, ventilation must be carefully and intelligently carried out, or possibly the remedy may be almost worse than the malady. A great desideratum with ventilators is that they should act automatically. A capital device of this class, which is coming more and more into use for hotels and restaurants, is the ridge-cap and tile ventilator, manufactured by the "Acme" Ventilating and Heating Company, of 35 Tarleton street, Liverpool. The company have recently fixed the whole of the ventilating apparatus at the fine new Grosvenor Hotel at Hull; 140 feet run of the "Acme" patent ridge-cap ventilators were used for this job. The ridge-cap ventilator is not unsightly in any way, being fixed to the ridge of the roof, and forming two metal curves, is practically unnoticeable. It is very simple, quite rain and wind proof, and, while affording a powerful exhaust action (drawing out the vitiated air from the building), offers no purchase for the wind. In fact, when once fixed, it works automatically, and requires no attention. Another advantage is that it is easily set up, and does not involve heavy expenses for structural alterations. The company manufacture a variety of other ventilators, to suit particular cases, but the above-described apparatus is available for almost universal application.—Write for our

Marshall's
'Belsize' Car



Two Cylinders.
12 h.p.
14½ cwt.

No Chains.
No Belts.

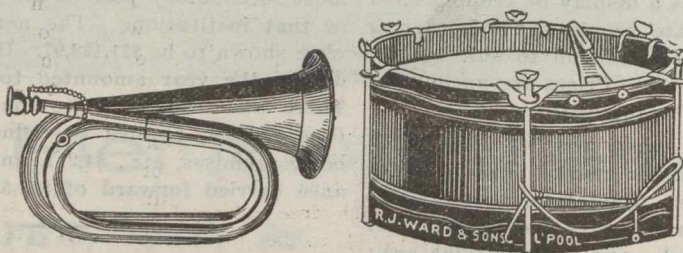
Unrivalled Hill
Climber.

Send for particulars.

Marshall & Co.

Belsize Works. CLAYTON, MANCHESTER, ENGLAND.

R. J. Ward & Sons,

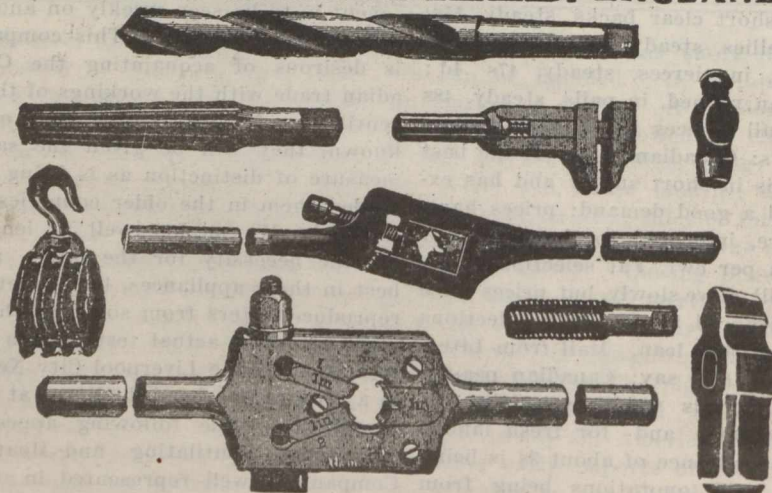


Military Musical Instrument Manufacturers.

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

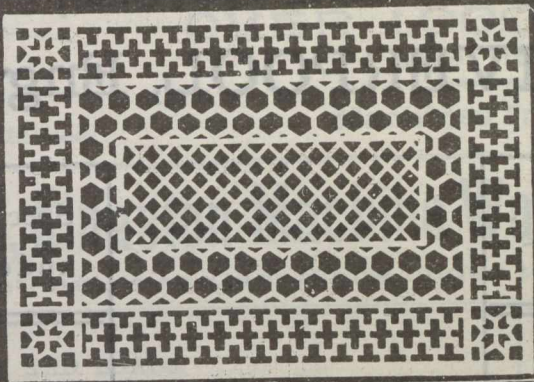


GARDEN
HOSE

DELIVERY HOSE, BELTING,
RD. MATS, VALVES, SHEETS.

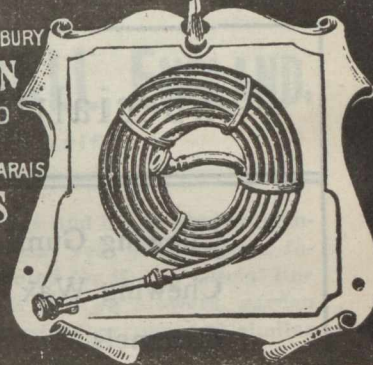
WASHERS
AND

ALL KINDS OF MECHANICAL
RUBBERS. INDIA RUBBER THREAD



CAB
TYRES
PNEUMATIC
CUSHION
AND
SOLID
TYRES

34 ALDERMANBURY
LONDON
ENGLAND
20 RUE DE MARAIS
PARIS
FRANCE



TELEGRAPHIC ADDRESS:-
"RUBBER," LIVERPOOL.



HEAD OFFICE & WORKS
VAUXHALL RD LIVERPOOL ENGLAND

illustrated pamphlet, prices lists, etc.,
to "Acme" Ventilating & Heating Co.,
35, Tarleton street, Liverpool, Eng.

JOHN CROWLEY & CO., LTD.
Meadow Hall Iron Works, near Shef-
field, England.

There is no better known name in the
malleable iron trade than that of
John Crowley & Co., Limited, of Mea-
dow Hall Iron Works, Sheffield, Eng.
Established in the infancy of this in-
dustry so far back as the year 1816,
the firm have been mainly instrument-
al by the ingenuity and research of its
members in bringing this special

branch of industry to the important
place it now holds. In fact the name
of John Crowley & Co., is inseparably
linked together with the development
of the malleable iron trade in the
Mother Country. The business was
for many years carried on at Helham
Island, but all available space having
been utilized larger works had to be
built to meet the constant growth of
the business. In 1871 the new works
at Meadow Hall were erected upon
most modern lines, especially adapted
for the products of the firm.

Covering as they do something like
11 acres of ground, giving employment
for nearly 1,000 people, the works have
a fair claim to be the largest in the

world for the manufacture of malle-
able iron castings. They are conven-
iently situated near both the Midland
and Great Central Railways, sidings
running direct into the work for the
receipt and despatch of goods.

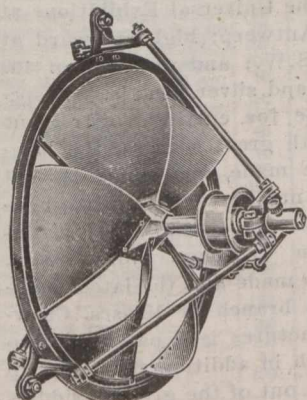
At the present time the active man-
agement of the business rests upon
the shoulders of Mr. John Fairburn
Crowley, grandson of the founder of
the firm, who devotes himself with
characteristic energy to the conduct
of the business and under whose wise
management the firm continues to
prosper.

It would be an almost impossible
task to tabulate the great variety of
castings manufactured by Messrs.

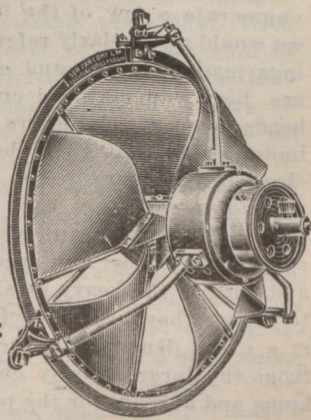
"Sun" Ventilating Fans

Highest Efficiency, Strength
and Lightness

MADE ENTIRELY OF WROUGHT
OR MALLEABLE IRON.



Belt Driven.



Electrically Driven.

For Ventilating, Drying and
All Cooling Purposes . . .

"Sun" Fan Co., Ltd.,

GENERAL BUYING
AGENTS WANTED.

Special prices to Canadians
under the New Tariff.

40a Thornton Road, BRADFORD, ENG.

TELEGRAMS :
"ATTRACTION," LIVERPOOL

TELEPHONE
NO. 6348.

WILLIAMS & Co.,

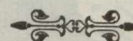
Wholesale and Export Manufacturing Confectioners.

96 Wood Street,
LIVERPOOL, Eng.

Specialities.

Chewing Gums
Chewing Wax
Caramels
Caramel Toffee
Turkish Delight
Soft Pan Work.

Special Prices to Canadians
under the New Tariff.



Send for Samples and Prices.

Crowley, a glance round the shops where the castings are sorted ready for despatch convinces you of this. As malleable iron castings are the best known substitute for forgings and considerably cheaper, it will be readily seen to what an infinite variety of uses castings in malleable iron are put. Machine fittings of intricate design, — wheels, for instance, to take nothing more complicated—are difficult to forge and hundreds of things for all manner of uses are made at these works which could not be forged, and, moreover, the castings will stand quite as great a tension, if not greater, than they would if they had been forged. To enumerate a few of the leading lines, we would particularly refer to the castings made for ship and engine builders, here you may see cranks, cross-heads, gear wheels, levers and all the innor parts that go to build up this class of machinery. The castings for particular work are cast from crucibles and specially annealed so as to turn up free from any specks or flaws and sustain the heavy strain and wear to which they are subjected. There is a great demand for these castings from the large railway companies at home and abroad, for the parts of rolling stock and signal appliances. All classes of machinery, such as engineers' tools, lathes, drills, &c., printing machinery, leather and shoe machinery draw their raw parts from Messrs. Crowley & Co.'s foundries. The looms and other devices of the weaving and

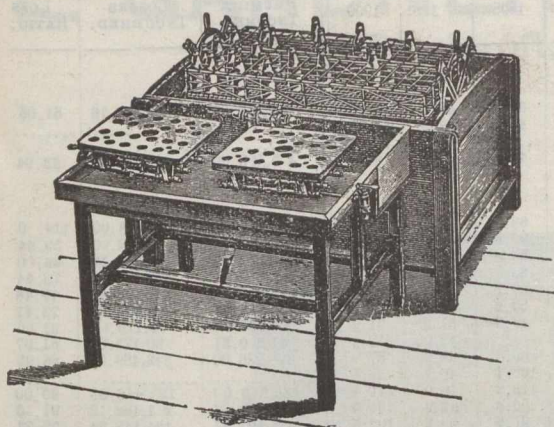
spinning industries are built up of parts from the same source. It is the first home of the ever growing number of machines for the farmer; here the parts of the mower, the reaper, the thresher, &c., &c., first see the light, and from thence pass to the makers to be built into complete machines.

Following his compeers, the electrical engineer seeks the parts for his delicate mechanism at Messrs. Crowley's foundries and his wants are quickly supplied. Along with these more important branches of the trade, there are many minor which are not unworthy of a passing word. Amongst these may be mentioned boot heel and toe plates, which are made in large quantities. Belt fasteners (Harris's patent), with teeth to secure the joints of belts and which have enjoyed many years of public favor. To borrow a phrase from the sacred writer, "What should I say more time would not suffice to tell" of all the castings and their several uses which are produced by Messrs. Crowley & Co. All we ask is that you send a card to their address stating your requirements and they will be pleased to enter into communication with you, and quote lowest rates for any castings you may require.

After malleable iron, Messrs. Crowley's greatest department is the manufacture of a special line of agricultural machines. We particularly call the attention of our colonial friends to

these. First, in importance, comes chaff cutters for hand or power. These are the patent of Mr. Samuel Edwards; the power machines are fitted with patent safety feeding appliances by which the machine stops automatically should the hand of the feeder become drawn toward the knives and thus it is quite impossible for him to meet with an accident. These machines have been awarded many medals for their high merit notably at the following important places: Gold medal Paris Exhibition, 1900; gold medal at the French Board of Agriculture Trials, Paris, March, 1899; four highest awards at The Hague, Holland, 1897; also gold medals at the Universal Exhibitions at Paris and Antwerp; highest award at Sydney, N.S.W.; and upwards of 100 first prizes and silver medals. A special machine for cutting sugar cane has met with great success, the largest machine made, and which is sent out in large number to the sugar growing districts. A special line of root cutters, corn crushers, horse gears, &c., are also made and the latest addition to this branch of Messrs. Crowley's manufactures is a patent potato digger, which in addition to lifting up the potatoes out of the ground, riddles them free from soil and gathers them into hampers which are placed upon the machine. The large potatoes are delivered into hampers at the rear of the machine, and the small potatoes into a separate hamper in the front. This machine is the patent of an in-

Bottle Washing Machinery



Original Inventor and Patentee.

OUR NEW PATTERN "KINGSTON."

No. 2

22-dozen Half-pint Beers.

Fitted with Revolving Rinsers as shewn,

£27

with Bottle Sinkers.

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

Machines from £10 to £40.

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

Special estimates to Canadians under the New Tariff.

STOCKS AND BONDS.

NAME.	Par Val's.	Capital Subscribed.	Capital paid-up.	Rest.	Div. last 6 Ms	Dates of Dividends.	Per Cent. Price Feb. 20, (Bid)	Cash value per S.
British North Am.....	243	4,866,666	4,866,666	1,703,333	3	Apl. Oct	136	380 48
Can. Bank of Commerce	50	8,000,000	8,000,000	2,000,000	3 1/2	June Dec	147	73 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 00
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	2,000,000	1,500,000	750,000	3 1/2	June Dec	152	152 00
Imperial	100	2,500,000	2,500,000	1,850,000	5	June Dec	329	329 00
Merchants' Can.....	100	6,000,000	6,000,000	2,600,000	3 1/2	June Dec	146 1/2	146 50
Moisons	50	2,500,000	2,500,000	2,150,000	4	Oct April	208	104 00
Montreal	200	12,000,000	12,000,000	7,000,000	5	June Dec	205	510 00
Nationale	30	1,200,000	1,200,000	275,000	3	May Nov	95	28 50
New Brunswick.....	100	500,000	500,000	700,000	6	Jan July	300	300 00
Nova Scotia.....	100	2,000,000	2,000,000	2,870,000	4 1/2	Feb. Aug	232	232 00
Ontario	100	1,500,000	1,893,080	350,000	2 1/2	June Dec	126 1/2	126 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	165,000	4	June Dec	250	375 00
Provincial.....	25	873,487	781,248	.....	3	June Dec	155	155 00
Quebec.....	100	2,500,000	2,500,000	700,000	3	June Dec	122	122 00
Royal	100	2,000,000	2,000,000	1,700,000	3 1/2	Feb. Aug	175	17 00
St. Stephen's.....	100	200,000	200,000	45,000	2 1/2	April Oct	.....	.....
Standard	50	1,000,000	1,000,000	750,000	5	April Oct	233	116 50
Toronto	100	2,400,000	2,400,000	2,240,000	5	June Dec	330	330 00
Traders	100	1,850,100	1,344,420	250,000	3	June Dec	112 1/2	112 25
Union (Halifax)	50	800,000	900,000	505,608	3 1/2	Mch Sept	150	75 00
Union of Canada	100	2,000,000	2,000,000	550,000	3	June Dec	.....	.....
Western.....	100	500,000	401,339	134,000	3 1/2	Apl Oct	.....	.....
Agri. Sav. and Loan Co	50	630,200	630,200	192,000	3	Jan July	166	166 00
Bell Telephone Co	100	5,000,000	5,000,000	800,000	4 1/2	Jan *	.....	.....
Brit. Can. Loan & Inv. Co...	100	1,987,906	398,481	120,000	2 1/2	Jan July	128	128 00
Brit. Mortg. Loan Co.....	100	450,000	339,214	180,000	3	Jan *	60	60 00
Can. Colored Cot. Mills Co...	100	2,700,000	2,700,000	.....	.....	Jan	90	90 00
Can. Landed & Nat'l Inv't Co.	100	2,008,000	1,004,000	350,000	3	Jan July	115	57 50
Can. Per & W. Can. M. Corpn.	10	5,951,350	5,951,350	1,490,057	3	Jan July	114	57 00
Can. Sav. & Loan Co.....	50 & 7 1/2	750,000	750,000	250,000	3 1/2	Jan July	136	136 00
Central Can. Loan & Sav. Co	100	2,500,000	1,250,000	450,000	1 1/2	Jan Dec	72	36 00
Dominion Sav. and Inv. Co.	50	1,000,000	984,200	30,000	2	Jan *	124	62 00
Dominion Telegraph Co	50	1,000,000	1,000,000	.....	1 1/2	Jan *	56 1/2	45 00
Dominion Cotton Mills Co	100	3,333,600	3,333,600	356,752	3	Jan July	112	112 00
Hamilton Prov. and Loan	100	1,500,000	1,100,000	.....	.....	Jan	135	135 00
Home Sav. and Loan Co	10	2,000,000	200,000	200,000	3 1/2	Jan July	179	89 50
Huron & Erie Loan & Sav. Co	50	3,000,000	1,400,000	890,000	4 1/2	Jan July	70	70 00
Imperial Loan and Inv. Co...	100	732,724	720,547	175,000	3	Jan July	111	111 00
Landed Banking and Loan ..	100	700,000	700,000	210,000	3	Jan July	68	34 00
Land. & Can. Loan and Ag.	50	1,000,000	877,267	87,500	3	Jan July	110	55 00
London Loan Co.....	50	679,700	678,550	160,000	3	Jan July	55	55 00
Manitoba & North-W. Ln Co	100	1,500,000	375,000	50,000	.....	Jan	171	69 40
Montreal Telegraph Co.....	40	2,000,000	2,000,000	.....	2	Jan	341	96 50
Montreal Gas Co	40	3,000,000	2,998,640	.....	5	April	277 1/2	128 75
Montreal Street Ry. Co.....	50	5,000,000	4,500,000	560,318	2 1/2	Feb. *	125 1/2	125 50
Montreal Cotton Co.....	100	1,400,000	1,400,000	600,000	4	Mch. *	95	95 00
Merchants Cot. Co.....	100	1,250,000	1,250,080	360,000	3 1/2 & 1	Feb. Mch	187 1/2	34 37
Montreal Loan and Mortg. Co.	25	500,000	500,000	150,000	3	Jan July	.....	.....
Ont. Indus. Loan and Inv. Co.	100	466,800	314,386	585,000	3	Jan July	121 1/2	60 75
Ont. Loan and Deb. Co.....	50	2,000,000	1,200,000	.....	.....	Jan	24	12 00
People's Loan and Dep. Co.	50	600,000	600,000	50,000	2	Jan July	70	35 00
Real Est. Loan Co.....	40	373,720	373,720	161,355	3	May Nov	112 1/2	112 50
Richelieu and Ont. Nav. Co.	100	2,088,000	2,088,000	320,155	.....	Jan. *	240 1/2	240 50
The Royal Electric Co	100	2,000,000	2,000,000	.....	.....	Jan. *	136	136 00
Toronto Electric Light Co...	100	2,000,000	2,000,000	250,000	2 1/2	.....	78 1/2	76 50
Toronto Mortgage Co	50	1,445,860	724,540	.....	.....	Jan. *	108	108 00
Toronto Street Railway	100	6,000,000	6,000,000	.....	.....	.....	112 1/2	112 50
Windsor Hotel .....	.....	.....	.....	.....	.....	.....	.....	.....

* Paying quarterly dividends.

genious farmer and has proved so won-vest of the past year that a great future is predicted for it. A special line is also made of lawn mowers, garden rollers, iron wheelbarrows and similar goods.

For household requirements Messrs. Crowley make a patent knife and fork cleaner, a small, handy machine with rubber rollers, which produces a polish like unto silver upon the knives with great rapidity and does not wear the knives. This small machine should be admirably suited to the Canadian market and is reasonable in price.

We recommend our readers to enter into correspondence with Messrs. Crowley and secure a copy of their catalogue, which is replete with every information as to their varied manufactures, feeling satisfied that both manufacturers and hardware, &c., dealers alike, will profit by knowing more of this firm's excellent productions.

EDGAR ALLEN & CO. (LIMITED).

The Imperial Steel Works, situated at Sheffield, England, are not quite unknown to the trade in Canada, for the reputation so long upheld for durability and perfection in their output crossed the Atlantic years ago. With the rapid growth of the Dominion in industries requiring such productions as Messrs. Edgar Allen & Co., are so well known as producers of, those interested should write this firm for illustrated lists of parts, prices, and the special terms now offered under the new preferential tariff. This firm are best known as manufacturers of tool steel, crusher jaws, cams, tappets, beads, machine moulded gearing, truck and skip wheels and axles, miners' drill steel, steel castings, files, &c. Also sole licensees of Turner's Patent Iron-fibred Steel. Of the latter, the following speaks for itself: "The Union Works, Savile street, Sheffield, March, 12th, 1901.—Messrs. Ed-

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

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

Patricroft, Manchester, England.

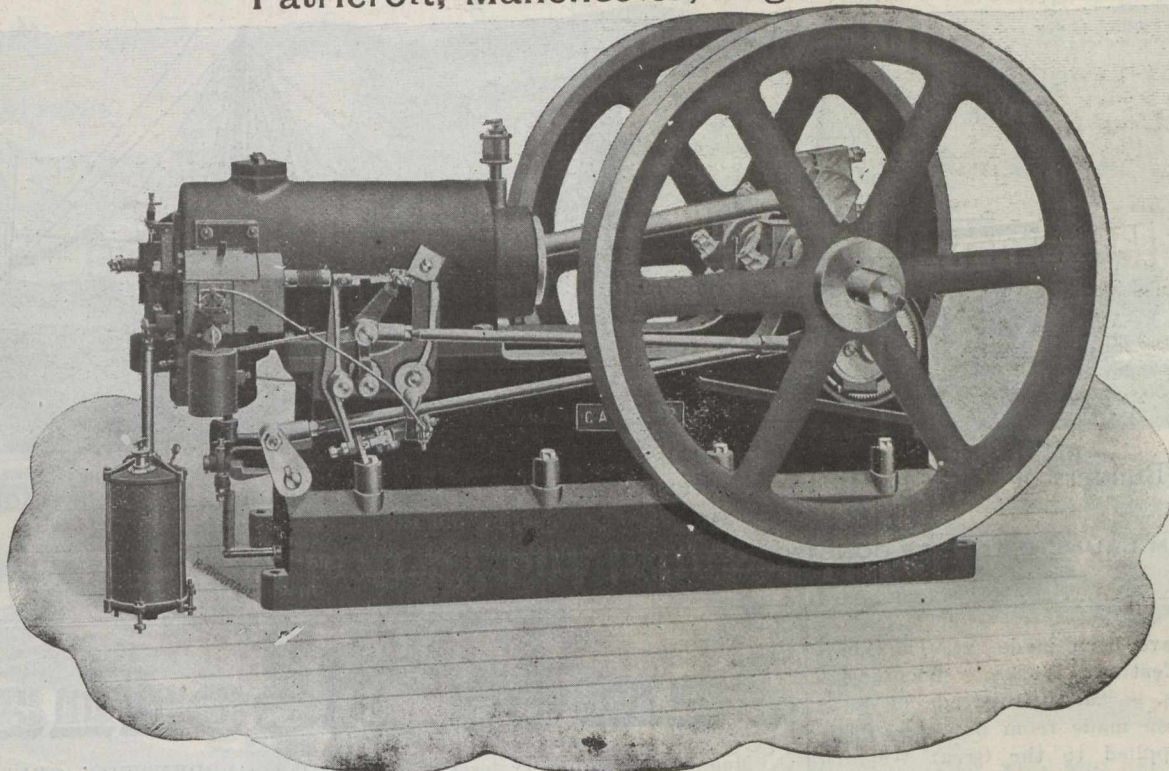


Photo of 20 B. H. P. Oil Engine.

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

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

Makers of :

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

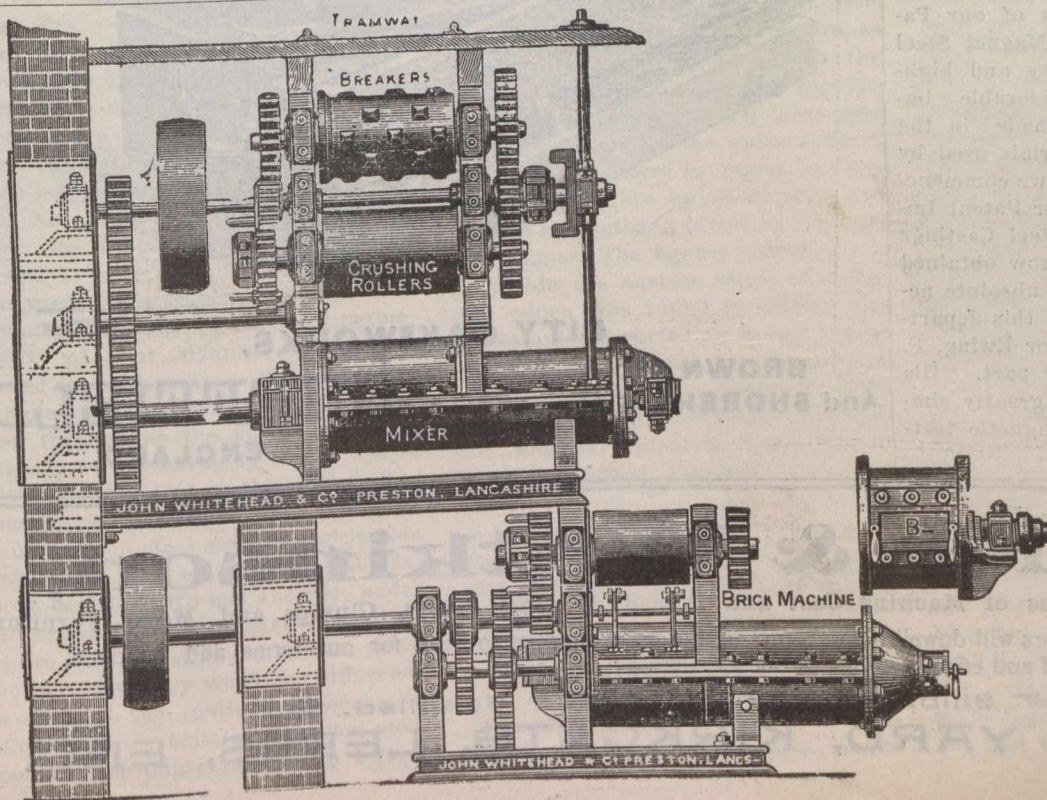
LONDON OFFICES AND SHOWROOMS,

87 QUEEN VICTORIA STREET, E. C.

Railway Foundry, Leeds. — Messrs. James Russell & Co., Ltd., Crown Tubs Works, Wednesbury. And by many other engineers, railways and mining companies. — Supplied bright drawn as well as black rolled. Sole licensees: Edgar Allen & Co., Limited.

—From a circular of this firm, before us, we extract the following: Mechanical tests of our "Engineers' Steel Castings," We have pleasure in calling attention to the very high and uniform quality of our steel castings, as proved by frequent and independent mechanical tests. We guarantee the essential combination of high elongation and high tensile strength, thus securing an unusually large margin of safety, and consequent greater freedom from breakages under unexpected and sudden strains. All the

dent mechanical tests. We guarantee the essential combination of high elongation and high tensile strength, thus securing an unusually large margin of safety, and consequent greater freedom from breakages under unexpected and sudden strains. All the



Telegraphic address :—

"Briatile, Preston."

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

**John Whitehead & Co.,
Limited.**

Albert Works,

PRESTON, ENGLAND.

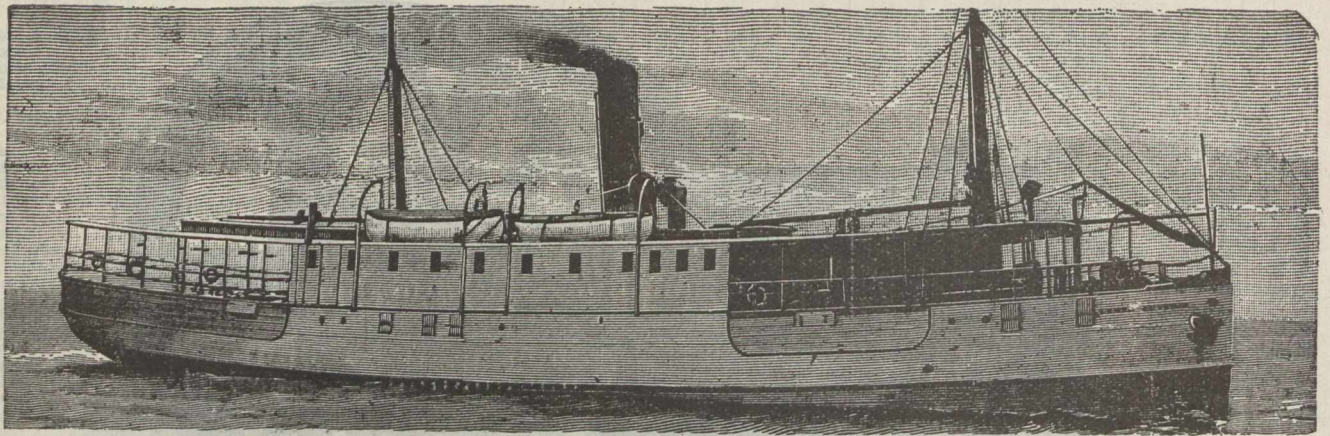
Brickmaking Plant

"The Manchester."

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

Lytham Shipbuilding & Engineering Co.

LYTHAM, ENGLAND.



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

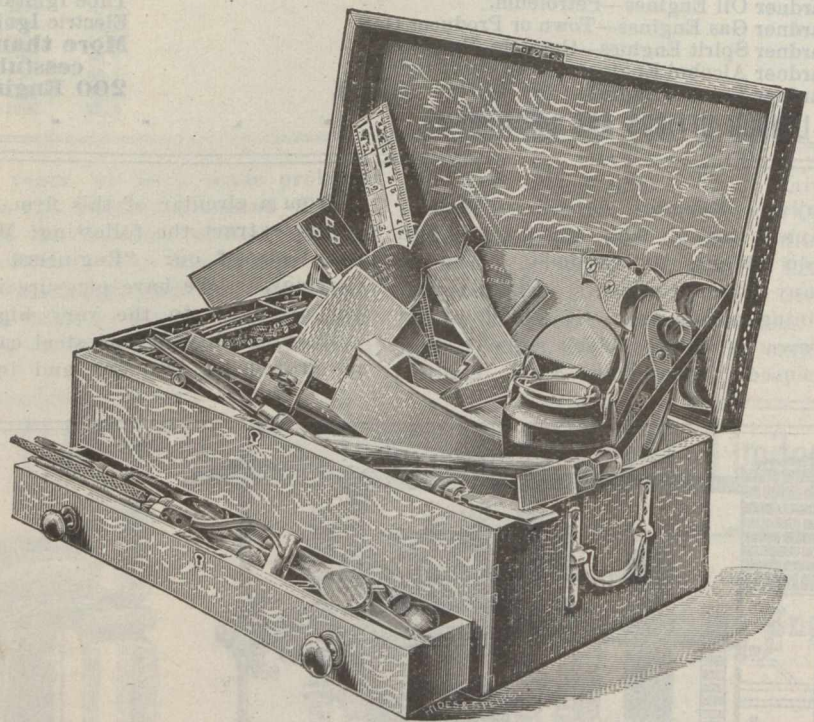
STEAM LAUNCHES UNDER CONSTRUCTION FOR SALE. STEEL STEAM BARGES. TWIN & SINGLE SCREW
STEAM TUG BOATS. Tel-graphic Address: Sternwheel, Lytham.

tests have been made at The Sheffield Testing Works. Locomotive Castings. — Many hundreds of tests have been made from our steel castings supplied to the Great Western Railway, London and South-Western Railway, Great Northern Railway, Midland Railway, Metropolitan Railway, Metropolitan District Railway, Great Central Railway, Taff Vale Railway, Midland Great Western Railway (Ireland), Great Northern Railway (Ireland), Great North of Scotland Railway, Indian State Railways, East Indian Railway, Southern Mahratta Railway, Bombay, Baroda, and Central Indian Railway, Chilian States Railway, Mexican Southern Railway, Buenos Ayres and Rosario Railways, New South Wales Government Railways, Natal Government Railways, Japan Government Railways, and others; all of which show the highest degree of durability.

The magnetic qualities of our Patent Imperial Dynamo-Magnet Steel Castings. Uniform quality and highest permeability. Considerable improvements have been made in the methods of testing materials used by electrical engineers since we commenced the manufacture of our Patent Imperial Dynamo-Magnet Steel Castings in 1891, and the results now obtained approach much nearer to absolute accuracy than formerly. In this department of research Professor Ewing, F. R.S., has taken a leading part. His inventions have not only greatly simplified the methods of magnetic test-

James Needham

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



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

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Shippers and the Trade Supplied.

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Hull, England.

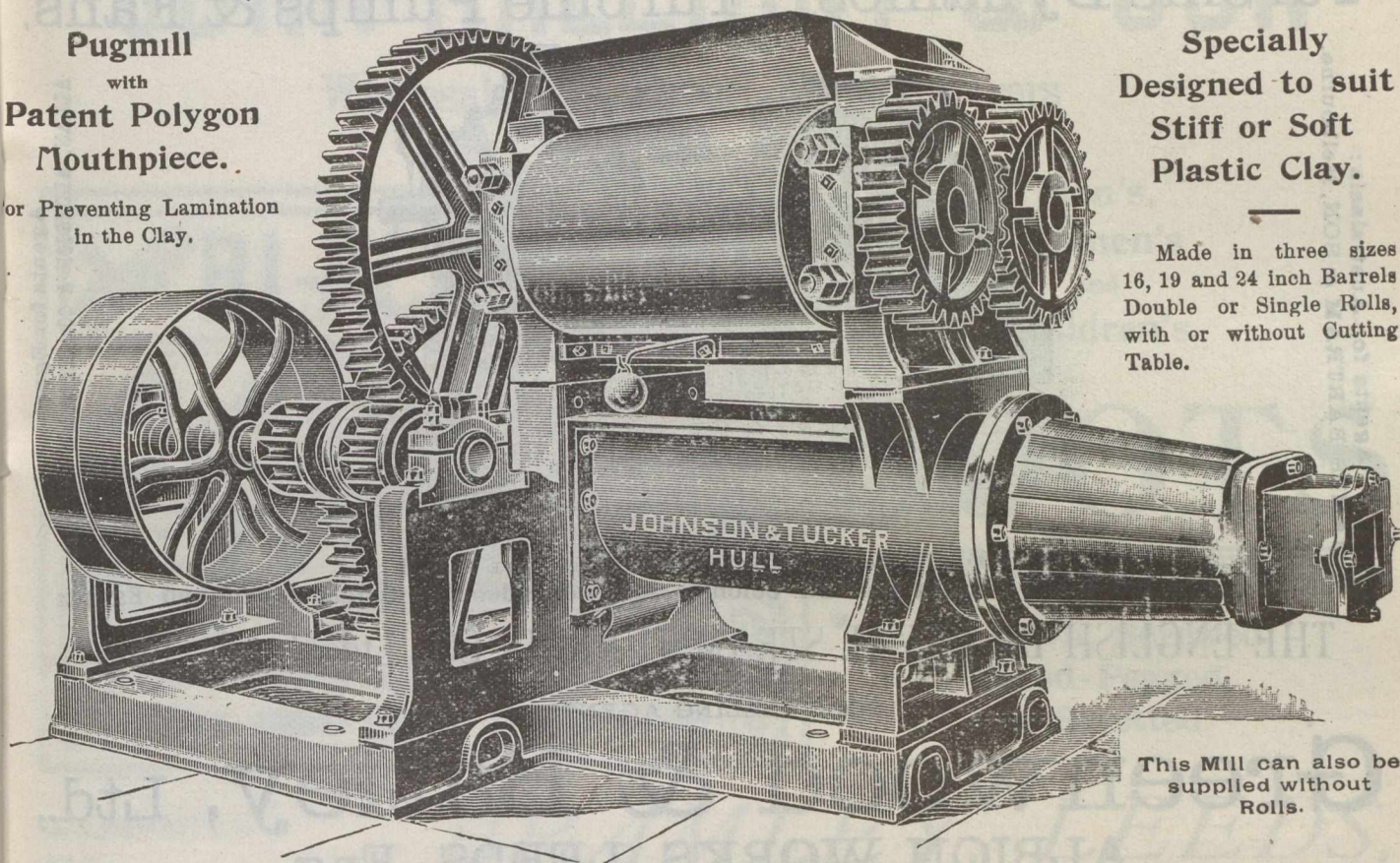
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Pugmill
with
Patent Polygon
Mouthpiece.

or 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.

ing, but have practically reduced to a minimum the possibility of error. We have availed ourselves of these improvements and recent discoveries, and have had repetition tests made of some of our dynamo-magnet castings manufactured and reported on in 1894, and also further tests of recently made castings. The results are set forth (in part) in the following report by Professor Ewing, viz.:

Cambridge, April 2nd, 1896.

To Messrs. Edgar Allen & Co., Ltd.—

Dear Sirs, — In accordance with your wish I now state in a collected form the results of my tests of all the samples of your dynamo-magnet cast steel, which have been submitted for my examination. Five samples in all have been examined. Samples No. 44 and No. 61 were submitted in June, 1894; the other samples, namely, T, S, and T, were submitted in the present year. The results give important evidence, not only of the high permeability of your dynamo cast steel, but of its uniformity. Taking all five samples together, the range of variation throughout the upper region of the curve is remarkably small. It is desirable to repeat in this connection, that all the samples I have tested of your dynamo steel are included in this test. The close agreement of the various samples with one another, under the action of such magnetizing forces as are used in dynamos, is most satisfactory, especially when the difference in date of the castings is borne in mind. All my tests of your cast steel confirm the impression which I form-

ed in 1894 that it is an exceptionally good material for dynamo magnets. So far as tests made on a limited number of samples can prove, it may be relied on to take up, under the action of any assigned magnetizing force exceeding 30 units, an amount of magnetism which is not only absolutely very high, but is capable of being stated beforehand within narrow limits of probable variation.—I am, dear sirs, yours faithfully,—J. A. Ewing.—Note.—Samples P and Y. — These were tested on 21st April, 1896, by Professor Ewing, who writes as follows: "Comparing these with the results stated in my former reports, it will be seen that these tests give further evidence of the uniformity of your dynamo steel in regard to the induction it takes up when subjected to such magnetizing forces as are used in dynamos. The figures stated above lie within the narrow range of variation which was found in testing the five samples reported on in my report of April 2nd."—Send for illustrated pamphlets and prices under the new preferential tariff to Edgar Allen & Co., Limited, Imperial Steel Works, Tinsley, Sheffield, England.

AMBROSE SHARDLOW & CO., LTD.

Ealing Works, Attercliffe, Sheffield,
England.

Patent improved file-cutting machines, new type. The above manu-

facturers are desirous of acquainting the Canadian trade with the perfection to which they have brought this machine, as illustrated on another page. Successful file-cutting by machinery is an accomplished fact, and the prejudice against machine-cut files has now almost disappeared, and to-day these machines are universally adopted, because they have been proved by practical experience and public trial to supersede hand work in quality. The construction of Shardlow's machine has always been more costly than any other, and the new inventions introduced render its cost still higher, yet it is the most advantageous system, because it makes the best file with the least trouble. Although due regard has been paid to quick cutting, the inventor has carefully avoided a speed which would prevent the workman from examining his work whilst cutting. With this new machine the operator can get the tooth up equally at the point and heel as in the middle of bellied files—a result never before attained. The operator can control the machine by an arrangement regulated by the foot, by which the blow of the chisel can be minimised or accentuated to the minutest degree. The eccentric motion can be regulated to either more or less throw. The operator can alter the angle of the tooth by a simple process. The operator can commence to cut on the extreme point of the file. The machine only requires one man. Capacity can be estimated from the fact that one tooth is cut per re-

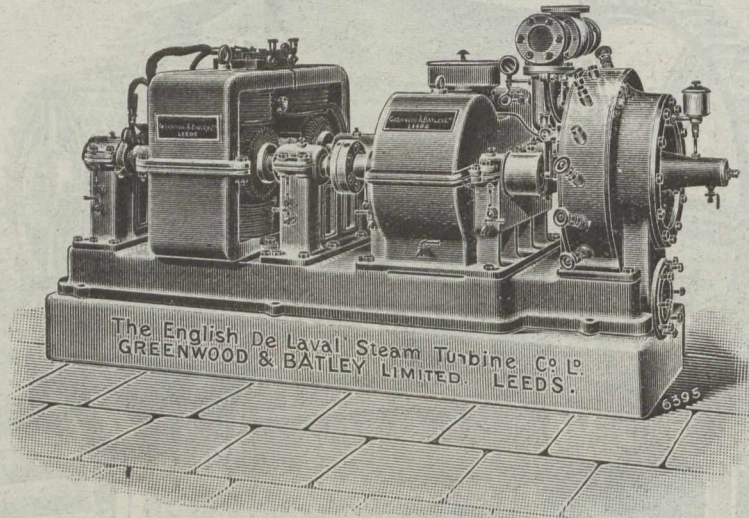
Machines in use, 2402

HP. 71,786.

Made from 1½ to 300 HP.

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

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JAMES BARTRAM & SON, Melbourne.



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

SOLE SELLING AGENTS:

Greenwood & Batley, Ltd.,

ALBION WORKS, LEEDS, Eng.

To whom all Communications should be Addressed.

volution, and files can be changed in a few seconds. Each machine is specially constructed to cut flat, square, three square, half-round files, as under: No. 1, for second cut, bastard, middle rough, and extra rough, from 14 in. to 22 in. long, 450 revolutions per minute; No. 2, smooth, second cut, and bastard, from 10 in. to 18 in. long, 500 revolutions per minute; No. 3, for dead smooth, smooth, second cut, and bastard files and edges, from 6 in. to 12 in. long, 680 revolutions per minute; No. 4, for dead smooth, smooth, second cut files and edges, from 3 in. to 10 in. long, 800 revolutions per minute; No. 5, for dead smooth, smooth and second cut files, from 8 in. to 12 in. long, and edges, from 8 in. to 22 in. long of any cut files, 680 revolutions per minute. Space required for 4 machines, 20 ft. x 10 ft., for 6 machines, 26 ft. x 10 ft.; and for 12 machines, 26 ft. x 18 ft. A certain quantity of accessories are supplied for each machine, which will be specified for each order. These accessories comprise all that is actually required for the proper function of the machine, but customers requiring other accessories for special work can be supplied with them, extra. Prices and discounts on application. — The Improved Long Saw Grinding Machine of A. Shardlow of Sheffield.—Made in 3 different sizes. No. 1 for stones of 6 feet diameter x 12 inches wide; No. 2, for stones of 5 feet diameter x 12 inches wide; No. 3, for stones of 3 feet diameter x 12

inches wide, or narrower if desired.— On this machine the saws are ground on both sides at once, being carried through rollers placed in front and back of the stones.—The workman has only to place the saws up to these rollers and set them in motion by a double-clutch lever, let the saws pass through the stones forward and backward, reversing the lever when the full length of the saw has gone through the front rollers and stones (the back rollers having hold of the saw to bring it back again). The stones are carried by sliding brackets, hung on adjustable screws, firmly fixed to two large standards castings and made with right and left-handed threads. By a chain wheel, in connection with the worm wheel above, the stones can be moved nearer or further off, and the pressure on the stones regulated for grinding as required. The whole operation is done quite easily by one workman, as the machine does the whole of the work, all the man has to do is to prevent the saw from getting out of both sets of rollers, which he does with the reversing lever with one hand, regulating with the other hand the pressure by the chain wheel. A skilled workman can thus grind a pit saw of say 7½ feet in 3 to 4 minutes. Each machine is supplied with: Six pulleys of different diameters, to increase the velocity of the stones as they wear less in diameter. A full set of screw keys. Front table for saws to slide

upon as they come out of the rollers. Hood above ton stone, to keep the water from splashing. Hose pipe, fitted to top of machine, with water tap and lever to regulate the quantity of water on stones. A strong guard with chains supplied, to be fixed in front of the bottom stone. Send for illustrated circulars and special terms under new Canadian tariff.

TO BE SUCCESSFUL.

While circumstance has much to do with success, in so far as the piling up of wealth may be regarded as "success," and while many who have struggled against adversity until after they were fifty years of age found the road easy afterwards, there are many points to be observed and remembered which may go far to smoothing the road for all.

Not long ago, says a millionaire writer of impromptu ideas, a man came to me and asked me for a formula for making money. He said he had a son he wanted to start in the world. He had heard I was making several millions a year in stocks, and he wanted to know, he declared rather naively, "how the trick was done."

I was amused, but interested, and asked him to present a list of questions on the points he wished me to cover in my counsel on money making. His list was as follows:

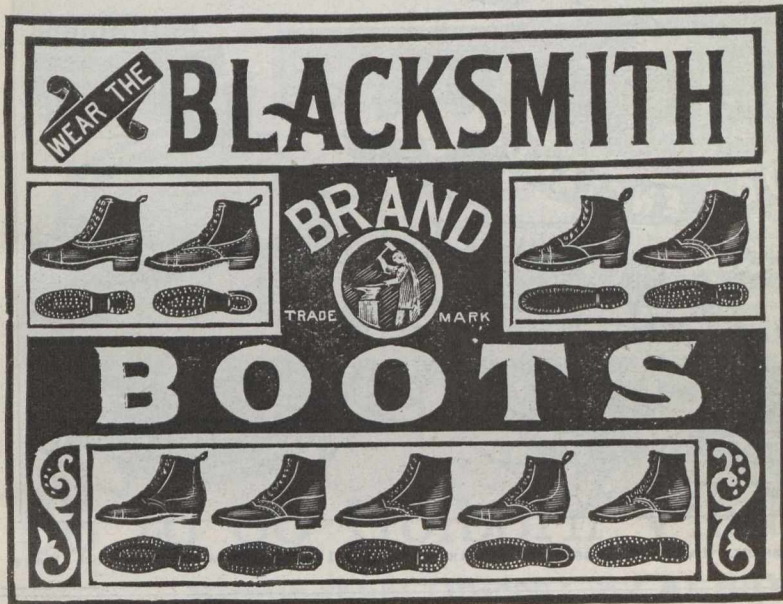
JOHN HALLIDAY & SON

Wholesale and Export Manufacturers
Of Strong and Medium

Men's,
Women's
and
Children's

BOOTS

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



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ALL
LEATHER.

BRAMLEY, LEEDS,
ENGLAND.

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, FEBRUARY 20, 1902.

Name of Article.	Wholesale	
	\$ c.	\$ c.
Drugs & Chemicals		
Acid Carbolic Cryst medl.....	0 35	0 40
Aloes, Cape.....	0 16	0 18
Alum.....	1 40	1 75
Borax, xtls.....	0 04	0 08
Brom. Potass.....	0 70	0 80
Camphor. Ref Rings.....	0 00	0 80
" Refoz. ck.....	0 80	0 85
Citric Acid.....	0 40	0 45
Citrate Magnesia lb.....	0 25	0 45
Cocaine Hyd. (os).....	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 25	1 50
Opium.....	3 75	4 00
Oxalic Acid.....	0 06	0 09
Phosphorus.....	0 50	0 75
Potash Bichromate.....	0 08	0 10
Potash Iodide.....	3 00	3 40
Quinine.....	0 35	0 45
Strychnine.....	0 65	0 80
Tartaric Acid.....	0 30	0 35
Licorice.—		
Stick, 4, 6, 8, 12, & 16 to lb., 5 lb. boxes.....	2 00	0 00
Acme Licorice Pellets, cans.....	2 00	0 00
Licorice Lozenges, 1 5 lb. cans.....	1 50	0 00
Heavy Chemicals.		
Bleaching Powder.....	2 00	3 00
Blue Vitriol.....	4 75	6 75
Brimstone.....	2 00	2 50
Cauetic Soda 60.....	2 25	2 50
" 70.....	2 50	2 75
Soda Ash.....	1 25	1 50
Soda Bicarb.....	1 75	2 25
Sul. Soda.....	0 75	0 85
" Concentrated.....	1 50	2 00
Dyestuffs.		
Archil, con.....	0 27	0 29
Utch.....	0 08	0 09
Ex. Logwood.....	0 09	0 13

What is a college education worth to a business man?

What condition, socially, makes the most substantial foundation for a start in business?

What are the elements of success in speculation?

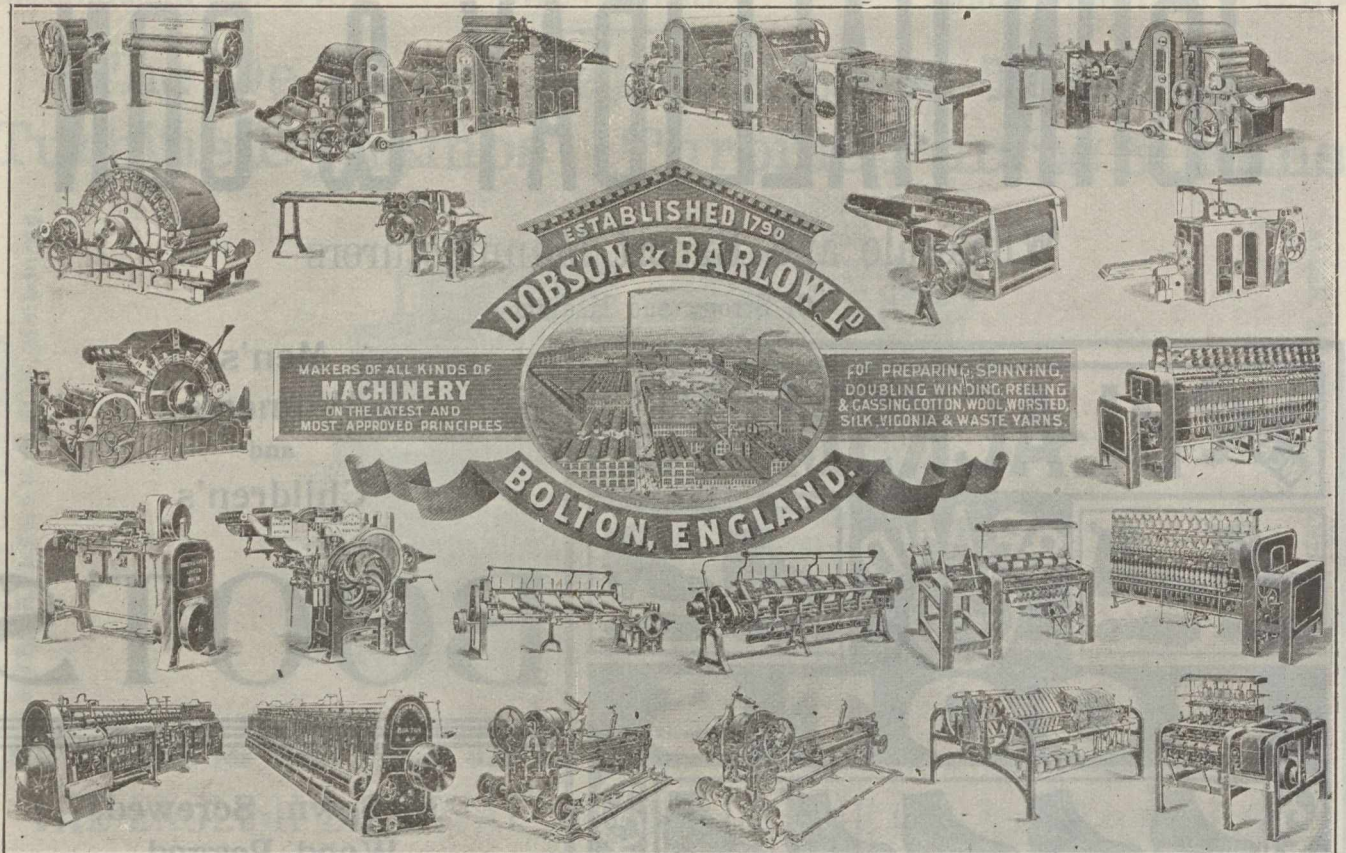
What general rules of business conduct would you lay down for a young man to follow?

I thought on these questions, and answered them substantially as follows:

Taking the second question first, I can say unhesitatingly that the condition promising the largest measure of success to a young man making his start in the world is poverty. It is the greatest heritage a man can have. I do not mean ignorant, hopeless poverty that cares nothing for the future, but self-respecting poverty. Take my own case, I am only doing to-day what I set out to do years ago; there is nothing new to me about it. The mental picture of success and its fruits I then drew I have slept and lived with and ate and drank with all my life. I happened to be born into the world poor. We all know that fully to enjoy anything, when we get it, we must have lived with it in anticipation long enough to have become familiar with it in the picture. You must be born without the picture, paint it, and live and dream for it, because if you are born with it, and have everything you want presented in reality, you can go up

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, FEBRUARY 20, 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
Gambier.....	0 07	0 08
Madder.....	0 09	0 12
Sumac.....	60 00	65 00
Tin Crystals.....	8 25	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.....	7 00	7 50
Green " Large.....	0 00	3 00
No. 2.....	5 00	5 50
Large dry Gaspe per qntl.....	8 00	5 25
Salmon, brls Lab.....	11 50	14 00
Salmon, " Brit.....	0 00	4 50
" Brit, 50l brls.....	11 50	12 00
Boneless Fish.....	0 04	0 00
" Cod.....	0 05	0 06
Skinless Cod, case.....	5 00	5 50
N. S. Salt Herrings, in half-barrels.....	0 00	3 00
Salt Lake Trout, half-brls.....	0 00	0 03
Salt Whitefish.....	0 00	0 00
Loch Fyne Herrings, keg.....	1 10	1 15
Flour.		
Winter Wheat patents.....	4 00	4 10
Manitoba patents.....	0 00	4 10
Straight roller.....	3 65	3 80
do bags.....	1 75	1 85
Strong Bakers.....	0 00	3 80
Superfine.....	0 00	0 00
Rolled Oats.....	5 40	5 50
Corn meal, bag.....	1 50	1 55
Bran bulk.....	18 00	19 00
Shorts.....	20 00	21 00
Moullie.....	24 00	27 00
Farm Products.		
BUTTER: Choicest Cr.....	0 21	0 22
Winter makes do.....	0 20	0 21
Townships Dairy.....	0 17	0 18
2nd Grade ".....	0 10	0 11
Western ".....	0 14	0 17
Good to choice.....	0 13	0 15
Fresh Rolls.....	0 17	0 17



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

MONTREAL WHOLESALE PRICES CURRENT THURSDAY, FEBRUARY 20, 1902.

Name of Article.	Wholesale	
	\$ c.	\$ c.
Farm Products.—Con.		
CHEESE:		
Finest, Oct.....	0 10	0 10
Eastern, do.....	0 09	0 10
Quebec.....	0 00	0 00
Eggs: New shipped.....	0 29	0 32
Held fresh.....	0 25	0 27
Straight fall.....	0 00	0 00
Limed.....	0 26	0 28
Cold storage.....	0 20	0 22
Hops: N. Y. State, per lb.....	0 11	0 12
Pacific Coast, ".....	0 14	0 14
Canadian ".....	0 12	0 19
German ".....	0 28	0 35
English ".....	0 30	0 00
British Columbia ".....	0 18	0 26
Hoe Products:		
Bacon, smoked, per lb.....	0 14	0 15
Hams, city cured, ".....	0 13	0 14
Pork Ca. s.c. per bbl.....	21 50	22 00
do mess.....	21 00	22 50
Dressed Hogs, light.....	8 25	0 00
" heavy.....	7 90	0 00
Lard, per lb Can pure.....	0 11	0 11
Com. Refined.....	0 07	0 08
SUNDRIES:—		
Potatoes, per bag of 90 lbs.....	0 89	1 00
Honey, White Clov., Comb.....	0 10	0 11
" Extracted.....	0 06	0 08
Beeswax.....	0 25	0 30
BRANS: prime.....	1 30	1 40
do. Best hand-picked.....	0 00	1 45
Groceries.		
<i>Canned Goods:</i>		
Lobsters, 1/2 to 1 lb.....	1 75	3 25
Sardines, 1/2.....	7 00	17 00
Canadian Sardines.....	3 75	4 00
Mackerel.....	1 00	1 10
Salmon, 4 doz. case.....	3 60	5 00
Clams, 1-lb tins, per.....	0 90	1 00
Oysters.....	1 15	1 40
Tomatoes, 3s. per doz.....	0 87	0 95
Peaches, 2-lb.....	1 65	1 80
3-lb.....	2 25	2 50
Pears, 2-lb. tins, per doz.....	1 50	1 60
Strawberries, Pres'd 2s.....	0 00	1 65
Raspberries 2s.....	1 45	1 60
Pineapples, 3-lb tin, p. doz.....	2 30	2 40
Gooseberries Pres. 2s.....	0 00	1 50
Gr'n Gazes, 2-lb. tins, p. d.....	1 30	1 50
Blue Plums, 2 lbs.....	1 00	1 10
Corn, 2 lb. tins.....	0 80	0 85
Peas, 2-lb tins.....	0 82	0 90
String Beans.....	0 80	0 85
<i>Sugars: Factory.</i>		
Ex Granulated, brls.....	0 00	3 90
Acadia gran'd.....	0 00	3 85
Ex Ground, in brls.....	0 00	4 65
" in bxs.....	0 00	4 85
Powdered, in brls.....	0 00	4 40
" boxes.....	0 00	4 55
Paris Lamps, in brls.....	0 00	4 65
" half brls.....	0 00	4 75
" 100-lb bxs.....	0 00	4 65
" 50-lb bxs.....	0 00	4 75
Branded Yellow.....	3 35	3 70

and put your stubby child's finger on it, and get used to it; it becomes common.

I say a young man's greatest heritage is poverty, because poverty begets ambition, and ambition is the thing in this world that spurs a man to do his best. We must first have our picture. To children born to wealth the picture will never have the sacredness it has for the poor boy. The man who has his picture before him but who has never had it in reality is the man who goes out and mows down the world. That is one of the foundations of success. Take the man with a "barrel of money," if he is spending it in the right way, what is he doing? When you ask him, if he is frank, he will answer: "I am filling my picture in."

Take my own case as an example. I am laying out a stock farm in Massachusetts. I have 260 acres of rocky and unproductive land. Hundreds of men and carts are employed taking out rock to make a place for green grass. I am spending a hundred thousand dollars on this part of the work, and for what? Just to fill in my picture, to clean off the stone and give me two-hundred-and-odd acres of green lawn, with a white fence around it. Then I am putting inside that fence about a million dollars' worth of wooden buildings — a doll farm. The house is 228 feet long, but of only two stories, low studded, with a bit of white muslin at the windows. At that farm will be found 200 horses, eighty brood mares with their babies running around, and my kennels, my hens, my pigeons, my polo field, steeplechase, course, and half-mile trotting track. A friend, a very rich man, said to me: "How did you find out how to do it? I never saw such a pretty picture." I have hal

MONTREAL WHOLESALE PRICES CURRENT THURSDAY, FEBRUARY 20, 1902.

Name of Article.	Wholesale	
	\$ c.	\$ c.
Molasses (Barbados).....	0 28	0 29
do brls. & 1/2s.....	0 31	0 32
Evaporated Apples.....	0 09	0 10
Raisins:		
Sultanas.....	0 09	0 12
Loose Musc. Malaga.....	0 08	0 10
Layers, London.....	0 00	1 50
Con. Cluster.....	0 00	2 00
Extra Dessert.....	0 00	2 75
Royal Bucking'm.....	0 00	3 25
Valencia.....	0 05	0 06
" Selected.....	0 06	0 06
" Layers.....	0 06	0 07
Currants, Provincials.....	0 00	0 05
Filigras.....	0 00	0 06
Patras.....	0 00	0 10
Vostizzas.....	0 00	0 07
Prunes, Cal.....	0 07	0 09
do French.....	0 04	0 05
Figs in bags.....	0 03	0 00
" new layers.....	0 08	0 13
Baking Soda, 112 lb. keg.....	0 00	1 70
Spices: Cassia.....	0 12	0 15
Mace.....	0 90	1 20
Cloves.....	0 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 25
Rice, C. C.....		
" standard B.....	0 00	3 00
" Patna.....	0 00	3 10
" Burma.....	4 12	4 30
" Crystal Japan.....	4 00	4 10
" Carolina.....	5 00	5 10
Pot Barley, bag 48 lbs.....	6 60	7 60
Pearl " per lb.....	0 00	2 20
Taploca, Pearl.....	0 03	0 05
" Flake.....	0 00	0 04
Gelatine, 1 qt pk.....	0 00	0 05
" 1 1/2 qt pk.....	1 10	0 00
" 1 qt pk.....	1 75	0 00
Vinegar: less 10 p.c. dis.		
Imp Trip.....	0 33	0 00
Cote D'or.....	0 28	0 00
Crystal Pickling.....	0 23	0 00
W. W. XXX.....	0 25	0 00
W. W. XX.....	0 20	0 00
W. W. X.....	0 20	0 00
Pure Malt.....	0 17	0 00
Cider X.....	0 45	0 00
" XXX.....	0 17	0 00
" 0 27	0 00	
Hardware.		
Antimony.....	0 09	0 10
7/16" Block, L & F, 1/2 lb.....	0 00	0 29
" Stralts.....	0 00	0 00
" Strip.....	0 00	0 80
Copper: Ingot.....	0 00	0 00
CUT NAIL SCHEDULE.		
Base Price, per Keg, car lots.....	2 27	0 00
Less quantity.....	2 35	0 00
Extras—Over and above 30d., 40d., 50d., 60d and 70d Nails.....		

Telegrams: "WATCH, PRESCOT."

The Lancashire Watch Co.

LIMITED.

PRESCOT, Lancashire, Eng.

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ENGLISH WATCHES

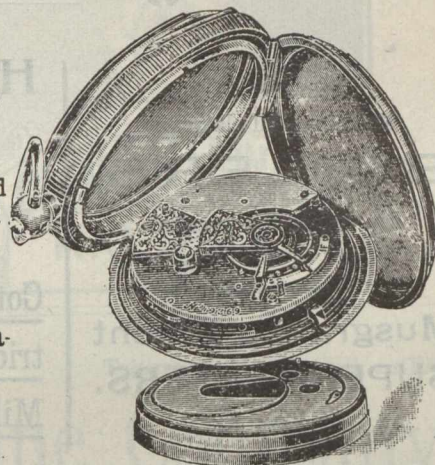
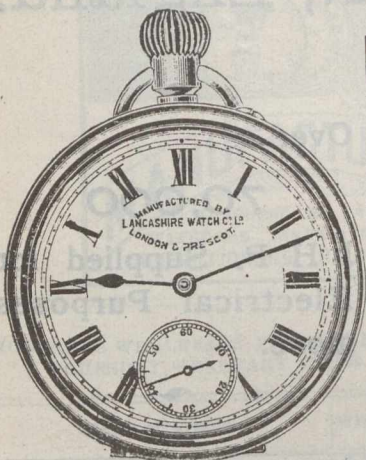
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MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, FEBRUARY 20, 1902.

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 20	0 00	
4 and 5d "	0 40	0 00	
3d "	0 65	0 00	
2d "	1 00	0 00	
Cut spikes 10c, per Keg advance.			
Fine blued nails—			
3d per 100 lbs.	1 00	0 00	
2d "	1 50	0 00	
Casing, Box, Tobacco Box and Flooring Nails—			
20 to 30d per 100 lbs.	0 55	0 00	
10 to 16d "	0 60	0 00	
8 and 9d "	0 65	0 00	
6 and 7d "	0 70	0 00	
4 to 5d "	0 95	0 00	
3d "	1 20	0 00	
Finishing nails—			
3/4 inch and longer per 100 lbs.	0 60	0 00	
2 1/4 and 2 1/2 inch "	0 65	0 00	
2 and 2 1/4 "	0 70	0 00	
1 1/2 and 1 1/4 "	0 95	0 00	
1 1/4 and 1 1/2 "	1 20	0 00	
1 1/4 "	1 50	0 00	
1 "			
Slatting nails—			
1 1/4 and 1 1/2 inch per 100 lbs.	0 95	0 00	
1 1/4 "	1 20	0 00	
1 1/2 "	1 50	0 00	
1 "			
Common barrel nails—			
1 1/4 inch per 100 lbs.	1 00	0 00	
1 1/2 "	1 00	0 00	
1 1/4 "	1 25	0 00	
1 1/2 "	1 50	0 00	
1 1/4 "			
1 1/2 "			
1 "			
Clinch nails—			
3/4 inch and longer per 100 lbs.	0 60	0 00	
2 1/4 and 2 1/2 inch "	0 65	0 00	
2 and 2 1/4 inch "	0 70	0 00	
1 1/2 and 1 1/4 inch "	0 95	0 00	
1 1/4 and 1 1/2 inch "	1 20	0 00	
1 1/4 inch "	1 50	0 00	
1 inch "			
Sharp and flat pressed nails			
3 inch and longer per 100 lbs.	1 35	0 00	
2 1/4 and 2 1/2 inch "	1 50	0 00	
2 and 2 1/4 inch "	1 65	0 00	
1 1/2 and 1 1/4 inch "	1 85	0 00	
1 1/4 and 1 1/2 inch "	2 50	0 00	
1 1/4 inch "	3 00	0 00	
1 1/2 inch "	3 00	0 00	
1 inch "	0 11 1/2	0 00	
Coil Chain—No. 6.	0 10	0 00	
" 5.	0 09 1/2	0 00	
" 4.	0 09	0 00	
" 3.	0 07 1/2	0 00	
1/2 inch.	4 35	0 00	
5-16.	4 25	0 00	
3/8.	4 00	0 00	
7-16.	4 00	0 00	

that picture in my mind ever since I was twelve or thirteen years old; but I didn't tell him so. It is the picture painted in poverty. Without it I could not have done the work necessary to get it.

This brings us to the value of a college education to a business man, which may be answered under this head.

A man who has inherited ability to paint his picture, and has compelled the world to allow him to fill it in, must feel many and many a day sorry he did not have a college education. What is a college education? It is that which can be acquired only by those weeks and months and years a man spends to satisfy a taste, a desire, an ambition for something he didn't have; so there is no use in saying a man who has ability to paint his picture in his mind and later to paint it in reality, is not sorry for the minute, perhaps, that he has missed that world that is covered by a college education. When you ask such a man: "Would you give up the picture you have spent your life with for the college boy's picture?"—for you can necessarily have only one—there is no question about his answer.

The college boy's picture must be an esthetic affair of a world he doesn't know and rarely in after years brings into actual existence. The poor boy knows the world of men, and when he has once plunged into business, and has filled in his picture, he really doesn't need a college education, only

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, FEBRUARY 20, 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 76	0 00
1/4	3 60	0 00
1 in.	3 60	0 00
Galvanized Staples—		
100 lb. box, 1 1/4 to 1 1/2	3 25	0 00
Bright, 1 1/4 to 1 1/2	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. St'l, 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	2 75	
" 60 do	2 80	
" 75 do	2 85	
Black Iron pipe, 1/2 in. in.	2 72	
1/4 in.	2 92	
3/4 in.	3 42	
1 in.	4 85	
1 1/4 in.	6 85	
1 1/2 in.	8 20	
2 in.	11 00	
per 100 ft. nett.		
Steel, cast p. lb., Blk Diam'd	0 08	base
" Spring, 100 lbs.	2 75	0 00
" Tire, "	2 20	base
" Sleigh shoe, 100 lbs.	2 10	base
" Toe Calk, "	2 66	
" Machinery, "	2 75	base
" Harrow Tooth	2 50	
Tin Plates:		
IC Coke, 14 x 20	4 25	
IC Charcoal, 14 x 20	4 50	
IX Charcoal	5 50	
IX "	6 50	

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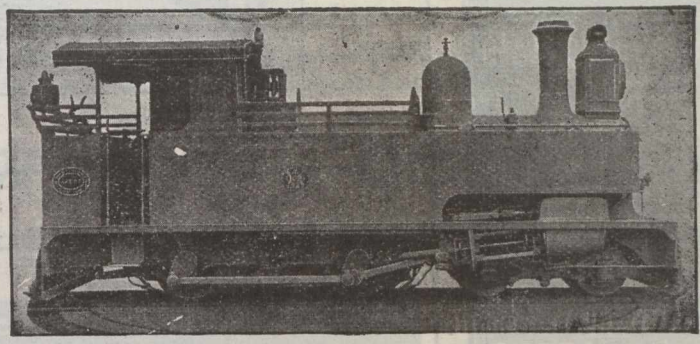
MONTREAL WHOLESALE PRICE CURRENT
THURSDAY, FEBRUARY 20, 1902.

Name of Article.	Wholesale.	
	\$ c.	\$ c.
Imperial Acme	0 18	0 17
American W. W.	0 18	0 19
Astral	0 19	0 20
Class.		
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 12½
do No. 3	0 08	4 75
do No. 4	0 00	4 62½
White Lead dry	5 50	5 50
Red Lead	5 00	5 50
Venetian Red Eng' l.	1 75	2 00
Yel. Ochre, French	1 50	3 25
Whiting, ordinary	0 45	0 50
do Gliders	0 60	0 70
do Paris, do	0 85	1 00
English Cement, cask	2 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	13	0 15
French Casks	0 11½	0 13
do brls.	0 00	0 14
American White, brls.	C 16	0 20
Coopers' Glue	0 20	0 26
Golden Ochre	0 04	0 24
Brunswick Green	0 04	0 10
French Imperial Green	0 12	0 18
Genuine Quicksilver	0 90	0 95
No. 1 Furnit's Varn' h, pr. gl.	0 65	0 70
do do	0 75	1 00
Brown Japan	0 60	0 75
Black Japan	0 50	0 75
Orange Shellac, No. 1	2 00	2 25
do do Pure	2 25	2 75
White do	2 75	3 00
Putty Bulk 100 lb. brl.	0 00	2 00
Parisgreen in drum 1 lb pk.	0 18½	0 19½
Wool.		
Canadian Washed	0 12	0 15
North West	0 13	0 16
Unwashed	0 08	0 00
Falled, combtag.	0 00	0 00
do super	0 00	0 21
do extra	0 25	0 33
B. A. Scoured	0 16	0 16½
Natal	0 13½	0 15
Cape, greasy	0 11½	0 13
Chilian	0 16	0 20
Australian greasy	0 16	0 20

can select it. Many men have been defeated in their life-work because odds were against them from the start, and they did not know it. They selected work which it was impossible for them to do, and while selecting overlooked that which it was possible for them to do successfully.

THE Hunslet Engine Company, LEEDS, Eng.

Telegrams: "ENGINE, LEEDS."



Locomotive Tank Engines
of all descriptions and any size, for
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Special prices to Canadians under the New Canadian Tariff.

Another rule that applies is this: Be sincere; don't try to fool the world, for it will not be fooled. It can tell the difference every time between an honest man and a fakir. No proposition will stand examination that does not have a kernel of truth in it. I can take my little kernel of truth, and polish it and rub it out on my palm, and with it I can convince any man alive that I am right. Without it I cannot. The test of a man in business is whether he is honest or not—conscientiously, broadly honest, not alone legally honest. No fakir can pass through the world undetected while there are so many students of human nature in it, nor can the honest man long be mistaken for a fakir. A fakir can do anything an honest man does until you test him. I apply the test in all my business and it is one of my secrets of success. It is this: Look your man straight in the eye. To handle a man I must see his eye. Look straight at him when you make your proposition, and be sure you have your kernel of truth. The rest is easy—you have simply to

use ordinary intelligence in showing it to him: then you are on your own ground, you are at your best, and he—well, he buys your goods and at your own price. Again, when a man comes to you with a proposition—comes to sell you his goods—look away from him; let him talk at your shoulder, or the side of your head. If he is honest he will make headway, if he isn't he will not. If a man comes to sell me a railroad, or a mine, or an invention for shearing sheep, I say to myself: "Get your armour on; he will try to sell you something he is dissatisfied with," and look out of the window, while he talks. If he makes an impression on me I know he has something worth listening to. From this I lay down a general rule: When you have goods to sell, sell them by your own standard; when you are buying, buy on your own standard, too.

Who is the best stock operator? The man who has a definite object to attain, who has been painting pictures to be filled in later, who has studied the future and that which makes the

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MADE IN LIVERPOOL, ENGLAND.

TRADE PRICE:

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England

future. The man who looks ahead and is ambitious—that is the man who makes the success, the one who, having his picture, says, "I will realize it," and who has kept himself in such physical and mental condition that if any one should shout "Fire!" when he is at the theatre, and everybody is panic-stricken and rushing for the doors or the windows, he is the chap you would see lighting a cigar on the empty—the safe — side of the house when all the rest are trampling over each other trying to get out on the other side.

In stock operations, as in general business, one great secret of success is to keep yourself always ready instantly to do everything well—not to rehearse beforehand what you are to do. To act on the spur of the moment a man must be mentally and physically quick, and able to stand any test; not a special test, such as men train themselves to, but any test. Run a revolver under a cowboy's nose and he doesn't dodge, for he is used to it, but put him in front of the tape—if he has a large family depending on him—and drop the price of the

ESTABLISHED 1850

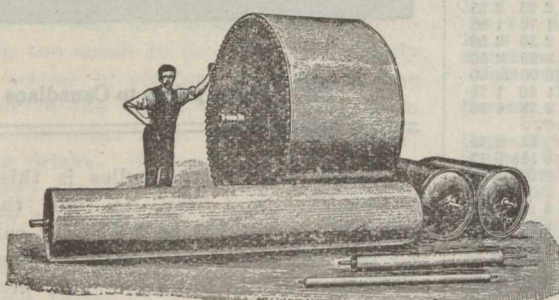
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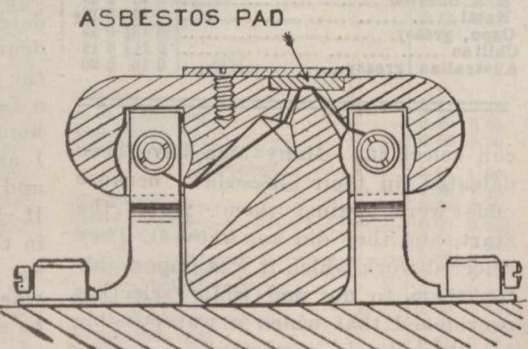
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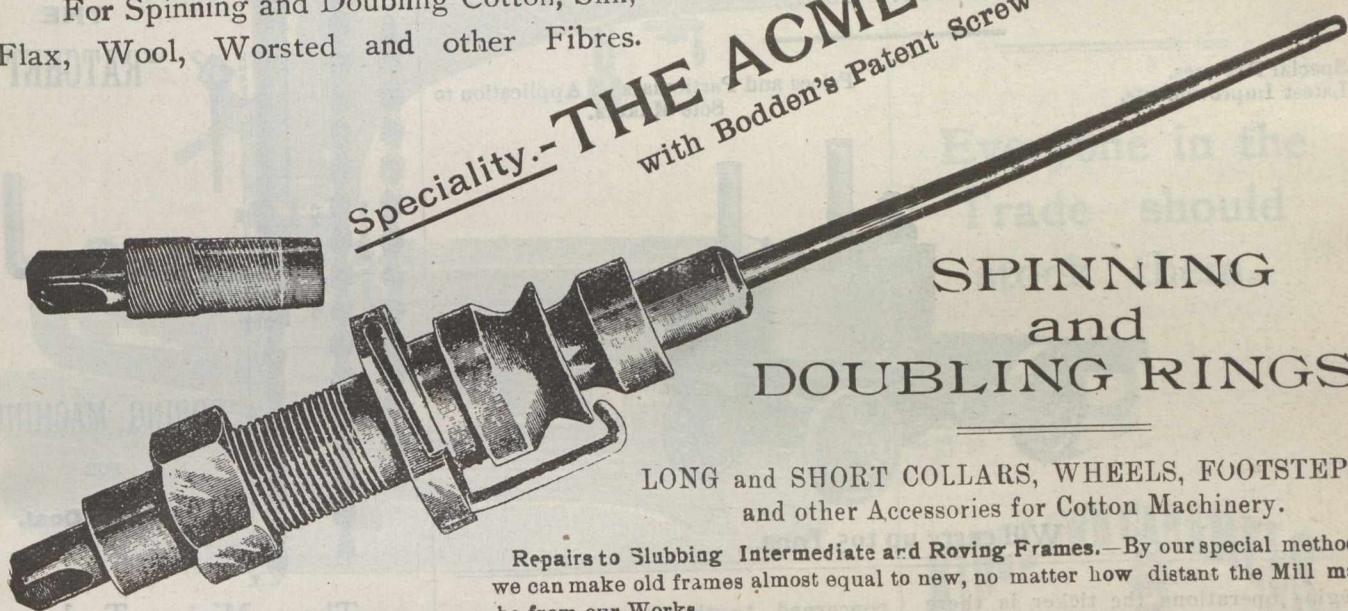
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JALVES & RADIAL DRILLS.

CAPACITY OF OUTPUT
30,000 TONS ANNUALLY.

stock he holds which represents his all—drop it with a bang and see whether he sweats or not, and whether he gets white. On the other hand, let a cowboy try to stampede Jim Keene by sticking a gun under his nose, and although Keene is not in training for cow-punching, he will bite the gun in two and never turn a hair.

The seasoned stock operator, when the market starts to go down, thinks for about a millionth part of a second, runs up and down his mental machinery, and sees that everything is in good shape; closes his eyes and says to himself: "What will it all amount to in a hundred years from now?" The world looks on and says: "The nerve he has!" It isn't nerve, at all; simply a physical and mental make-up that is well trained. He knows what to do just as the telegraph operator with forty keys in front of him knows which key to touch to call help when somebody shouts "Fire!"

The man who cannot stand every sort of test in the market has no business in speculation. When he be-

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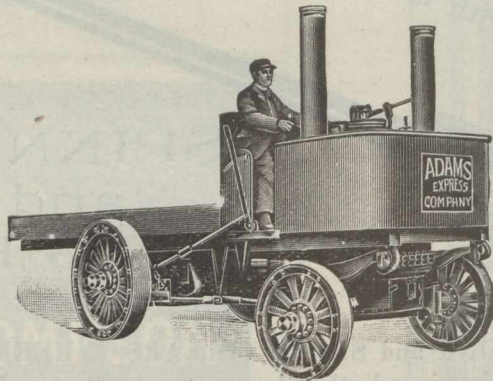
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For Rapid and Economical Transport
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Special Features,
Latest Improvements.

Prices and Particulars on Application to
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Will carry up to 5 Tons.

begins operations the ticker is there and the tape is blank. Then it begins to tick and shoves out a sign, a few letters and a few numbers. The instant they are out the operator must come to a decision; the jury and judges are listening, and he cannot alter his decision once it is made. That is stock speculation. It calls for the type of man who could go on trial for his life and answer every question instantly and answer it right.

There is one thing to be said to men who look to the stock market to make money. There is no money to be made from following the tape. To make money in the market a man must be, or know what is, behind the tape. Until he finds himself there he will do better to keep on carrying bricks.

FOREIGN DEMAND FOR DAIRY PRODUCTS.

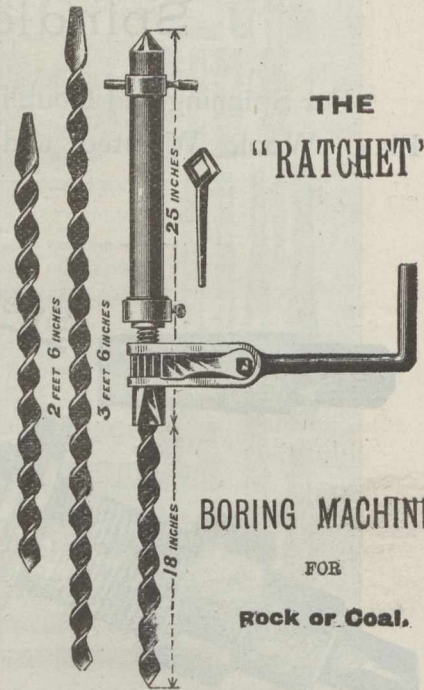
Natural and Artificial Causes That Have Contributed to the Greater Relative Growth of the Dominion—Position of the Department of Agriculture.

A review has been completed by the U. S. Department of Agriculture of the export trade of the United States and Canada in dairy products. The central point of interest has been, according to a Washington letter, first, the rapid acquisition, and then, the firm retention of supremacy in this trade by Canada. This has been due almost entirely, so far as Canada is

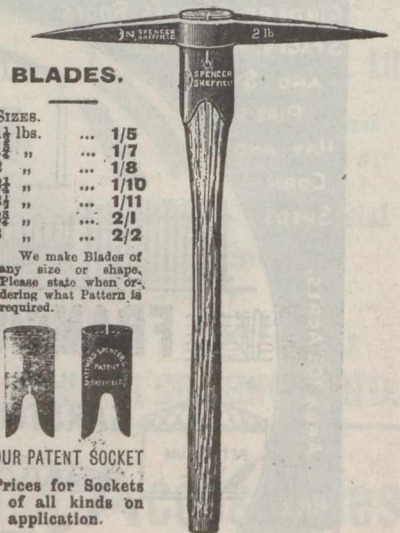
concerned, to the increased exportation of cheese. The first cheese factory in Canada was built in 1864. In 1870 Canada exported 6,000,000 pounds of this product, the United States 57,000,000 pounds. In 1880 Canadian exports had increased to 40,000,000 pounds, those of the United States to 127,500,000. In 1890 the exports from Canada had still further increased to 94,000,000 pounds, but United States exports had declined to 95,000,000; and in 1900 the Canadian foreign cheese trade amounted to the large total of 186,000,000 pounds, against only 48,000,000 pounds from the United States.

Both natural and artificial causes have contributed to this remarkable course of the trade. A large proportion of the people engaged in the business in Canada is descended from the best cheesemakers in Europe—Scotch, English, German, Dutch and French—and has a hereditary inclination toward and a natural aptitude for the industry. Domestic consumption within the Dominion is limited by scantiness of the population, especially as concentrated in small manufacturing towns, and hence a heavy proportion of the total output is diverted to foreign markets. The industry has been fostered by the Canadian Government, not by direct bonuses, but by laws prohibiting the manufacture and sale of filled and skimmed-milk cheese; and a practical guarantee has thereby been furnished to foreign purchasers as to the purity and excellence of the Canadian product. Co-operative and other butter and cheese associations, moreover, have constantly raised the standard of the industry by maintaining corps of instructors and inspectors in

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

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

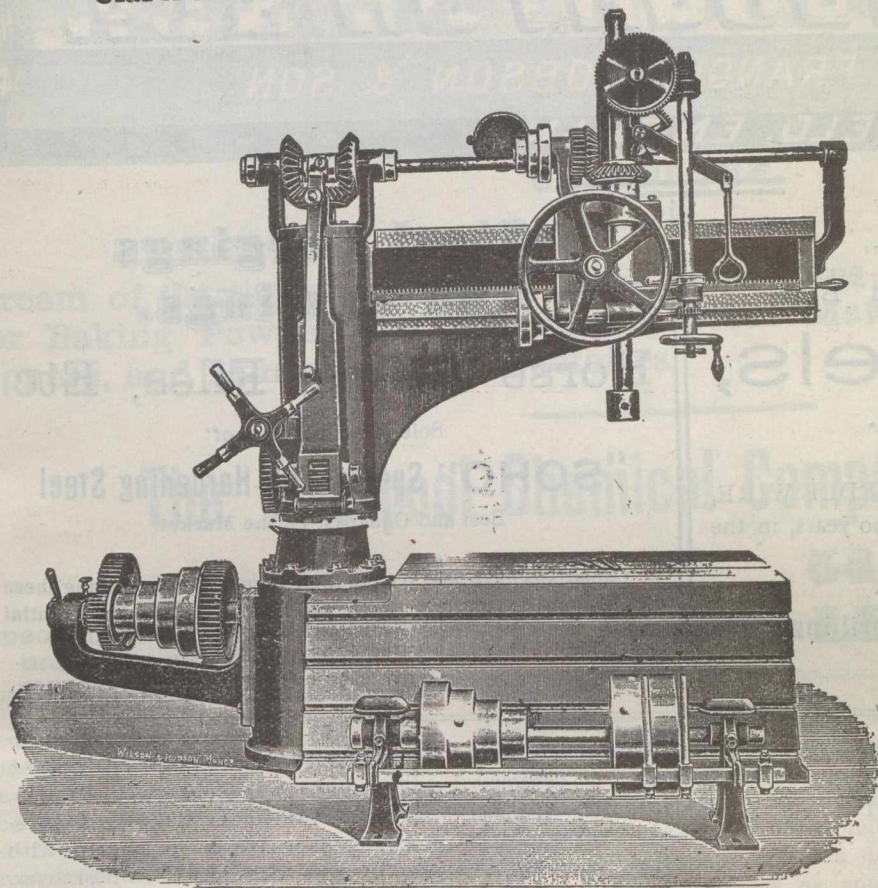
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Machine Tools of every Description. Drilling Machines — A — Speciality.

STOCKS AND BONDS—INSURANCE COMPANIES—CANADIAN.—Montreal Quotations Feb. 17, 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.	\$50	\$50	98
Canada Life.....	2,500	5-6mos.	400	50	....
Confederation Life.....	10,000	7½-6mos.	100	10	....
Western Assurance.....	25,000	5-6mos.	40	20	95
Guarantee Co. of North America.....	13,372	6	50	50	....

BRITISH AND FOREIGN.—Quotations on the London Market, Feb. 5, 1902. 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	27½	228
British and Foreign Marine.....	67,000	25	20	4	19	19½
Caledonian.....	21,500	12s. p.s.	25	5	5	28½
Commercial U. Fire, Life and Marine.....	50,000	27½	50	5	44¾	45 7
Guardian Fire and Life.....	200,000	9	10	5	1½	9½
Imperial Fire.....	60,000	25	20	5	29	29½
Lancashire Fire.....	136,493	5	20	2	3½	3¾
Lion Fire.....	100,000	3	25	1½	1½	1¾
London and Lancashire Fire.....	25,100	22	25	2½	17½	17¾
London Assurance Corporation.....	35,962	20	10	2	51¾	52
London & Lancashire Life.....	10,000	10	10	2	8¾	8¾
Liv. & Lon. & Globe Fire and Life.....	391,752	90	St.	2	44¾	45¾
Northern Fire and Life.....	30,000	*22½	100	10	72½	74
North Brit. & Merc. Fire and Life.....	110,000	30s. p.s.	25	6¾	37	37½
Norwich Union Fire.....	11,000	*33¾	100	12	101½	105
Phoenix Fire.....	53,776	35	50	5	438	36½
Royal Insurance Fire and Life.....	125,234	58¾	20	20	48¾	49½
Sun Fire.....	240,000	8s 6d p. s.	10	10	10¾	10¾
Union.....	45,000	18 p.s.	10	4	13¾	14

* Excluding periodical cash bonus.

cheese-making districts, thereby encouraging uniformity in the methods of manufacture and in the quality of the products. In the United States many of the conditions surrounding this branch of the dairy industry have been different. A comparatively dense population, together with a tendency to its accumulation in the constantly multiplying industrial centres, furnishes a domestic market for upward

of three-fourths of the present domestic output. Legislation has not favored the industry along the same lines and to the same extent as in Canada. Organization, moreover, has not been so comprehensive, and little has been done, on a large scale, in this country toward securing uniformity in methods of manufacture and in the quality and purity of the output. These, among other causes, it is claim-

A BIG SELLER!!

Everyone in the Trade should stock them.



KING'S OWN CARAMELS



8d 1d



Manufactured Solely by The

Lancashire Steam Confectionery Co.,

LIVERPOOL, England.

Special prices to Canadians under the new tariff.

GOLD MINERS DRILL STEELS

HOBSON, HOUGHTON & CO.

SUCCESSORS TO FRANCIS HOBSON & SON

SHEFFIELD, ENGLAND.

MINERS
HAMMERS
& PICKS

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 1/3 p.c., in their favour, by purchasing these
English goods from us, under the new Canadian Preferential
Tariff.

Established upwards of 100 Years.

New York Office and Warehouse.

ed, are the deterrent influences responsible for the decline in the foreign demand for United States cheese. The extent of that decline and the remarkable increase of Canadian exports are made apparent by the following statement, which gives the quantities of cheese exported from the United States and Canada, separately, from 1870 to 1901:

Exports of Cheese from the United States and Canada.

Year ended	From U.S. Pounds.	From Canada. Pounds.
June 30.		
1870	57,296,327	5,827,782

1880	127,553,653	40,368,678
1890	95,376,653	94,260,187
1891	82,733,876	106,202,140
1892	82,100,221	118,270,052
1893	81,350,923	133,946,365
1894	73,852,134	154,977,480
1895	60,448,421	146,004,650
1896	36,777,291	164,680,123
1897	50,944,617	164,220,699
1898	53,167,280	196,703,323
1899	38,198,753	189,827,839
1900	48,419,353	185,984,430
1901	39,813,517	195,926,397

The quantity of cheese exported from the United States in 1901 showed a decrease, as compared with like

exports in 1870, of over 30 per cent.; the quantity exported from Canada, on the other hand, showed the remarkable increase, as compared with 1870, of over 3,000 per cent. Moreover, the conditions of the export trade in this product in the United States in late years show little indications of improvement, the exports in 1901 having reached a lower point, excepting those of 1896 and 1899, than at any like period in thirty years.

In the foreign export trade in butter from the United States and Canada the United States, as a general rule, has been the more important. The Canadians have devoted less at-

MILK CHOCOLATE.

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

J. Tobler's
Real and delicious
SWISS MILK CHOCOLATE
CHOCOLAT AU LAIT SUISSE
SCHWEIZER - MILCHCHOCOLADE

J. TOBLER, BERNE SUISSE

MAISON FONDÉE
1845

Etiquette déposée

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.

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.

tention to this branch of the dairy industry than to the production of cheese. The following statement gives the total quantities of butter exported from each country, separately, from 1870 to 1901:

Exports of Butter from the United States and Canada.

Year ended	From U.S. Pounds.	From Canada. Pounds.
June 30. 1870	2,019,288	12,259,887
1880	39,236,658	18,887,703
1890	20,748,042	1,951,585
1891	15,187,114	3,768,101
1892	15,047,246	5,736,606
1893	8,920,107	7,036,013
1894	11,812,092	5,534,621
1895	5,508,812	3,650,258
1896	19,373,913	5,889,241
1897	31,345,224	11,453,351
1898	25,690,025	11,253,787
1899	20,247,997	20,139,195
1900	18,266,371	25,259,737
1901	23,243,526	16,335,528

It is noteworthy that the exports of butter from each country were less in volume in 1901 than they were in 1899, the 1901 exports from Canada showing a decrease of 2,500,000 pounds and those of the United States a decrease of 16,000,000 pounds as compared with the exports of twenty-one years before. The export trade of both countries declined heavily from 1880 to 1895, since which date, however, Canada has almost entirely recovered the lost ground, but the trade of the United States has not been restored in like proportion.

With a view to bettering the export trade in dairy products from the United States, and of affording to exporters the opportunity of obtaining the certification of the Government as to the quality and purity of such of these products as are offered for export, the Secretary of Agriculture has, under authorization on Congress, placed this class of inspection under the Bureau of Animal Industry and instructed the inspectors at the prin-

cipal places of export to begin, as early as practicable in the present month, the actual inspection and stamping of butter and cheese, such inspection to be, for the present, entirely at the option of exporters. The plan is to approve, stamp and certify products found upon inspection to be of such quality and character as to be presumably creditable to the dairy industry of the United States when placed in foreign markets within a reasonable time from the date of inspection. Inspectors are expressly directed not to inspect or certify to any butter which belongs to the commercial grades known as ladled, factory, process, or renovated, or any skimmed or partly skimmed cheese. They are also to exclude lots of butter and cheese, no matter how good in quality, which are in poor packages, or such as are unsuited to the requirements of and perils of the export trade. They are instructed to decline to mark or certify to any products which upon their packages or other-

EDGAR ALLEN & CO., LIMITED.

Imperial Steel Works, SHEFFIELD, ENGLAND.

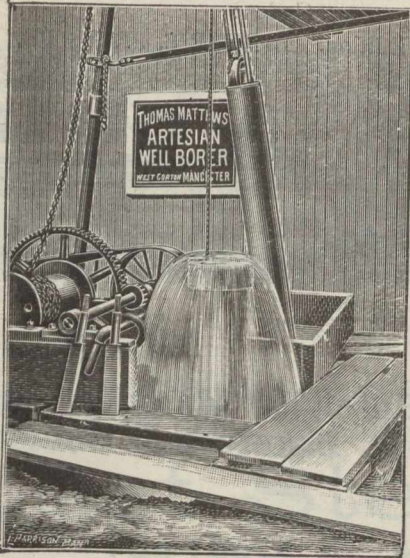
Manufacturers of

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.

Special Terms to Canadians Under the New Preferential Tariff.



Telegrams, "ARTESIAN," Manchester.

Telephone No. 1826

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

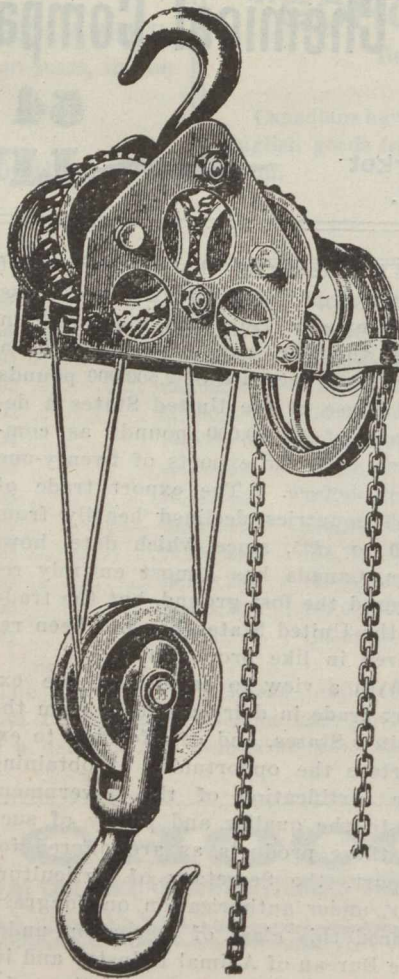
Artesian Well Borer,

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.

wise bear commercial or other marks, labels or brands which misrepresent the true nature, character or grade of such products. The Government indorsement will be withheld in any case where it is proposed to export "dairy" or "imitation creamery" butter marked as "creamery," although entirely satisfactory in quality and otherwise suitable for export.

The Department has adopted, in connection with this new service for dairy export inspection, a policy having several points clearly defined. First, the inspection is to be, for the present, at least, entirely optional with the exporters; consequently existing trade conditions and relations are left wholly undisturbed. Second, the service is to be carefully and thoroughly performed, so that, as far as it applied, it will aim to command respect and approbation. Third, the Government intends to be very conservative in the use of its official markings. Nothing is to be given the benefit of Government indorsement unless it is a pure dairy product, and, besides being pure, it must be of such a quality as to be a credit to the country. The purpose is manifest of using this official service primarily to improve the reputation of the dairy products of the United States in foreign



Lifting Tackle

FOR ALL PURPOSES.

Cranes, Sheave Blocks, Crabs, Pulley Blocks.

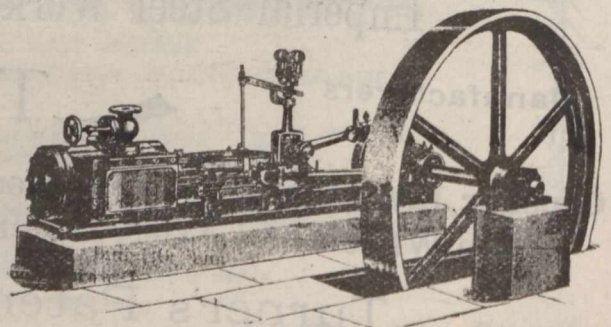
The Steel Rope Pulley - Block Co., LIMITED,
WASHFORD ROAD,
 Sheffield, Eng.

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.

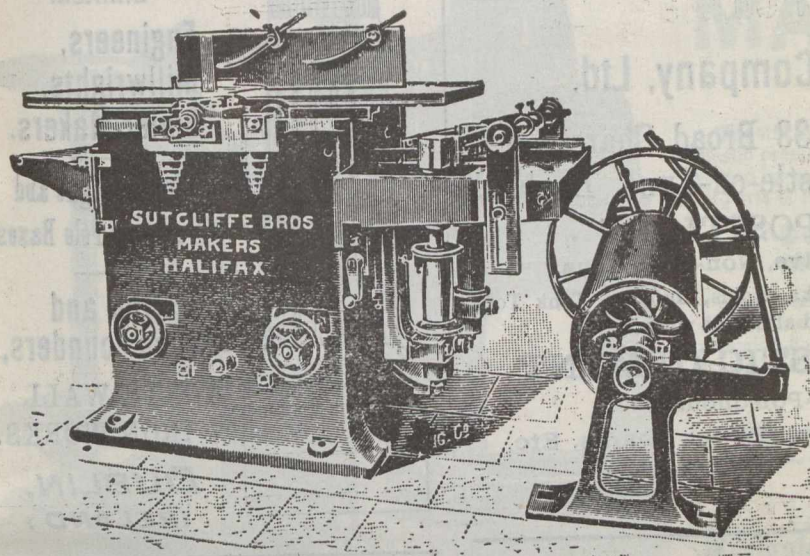


PLEASE INDENT THROUGH MERCHANTS

Telegrams: "LEES, HOLLINWOOD."

Special estimates to Canadians under the new Preferential Tariff

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.

markets, and thus encourage an increased demand. Fourth, the national Government, as represented by the Department of Agriculture, will not

indorse or become a party to any form of deception or fraud. Things must be correctly described and called by their right names. There must be abso-

lute honesty in trade in order to secure the approval of the United States through its inspectors of dairy products.

ESTABLISHED 1851.

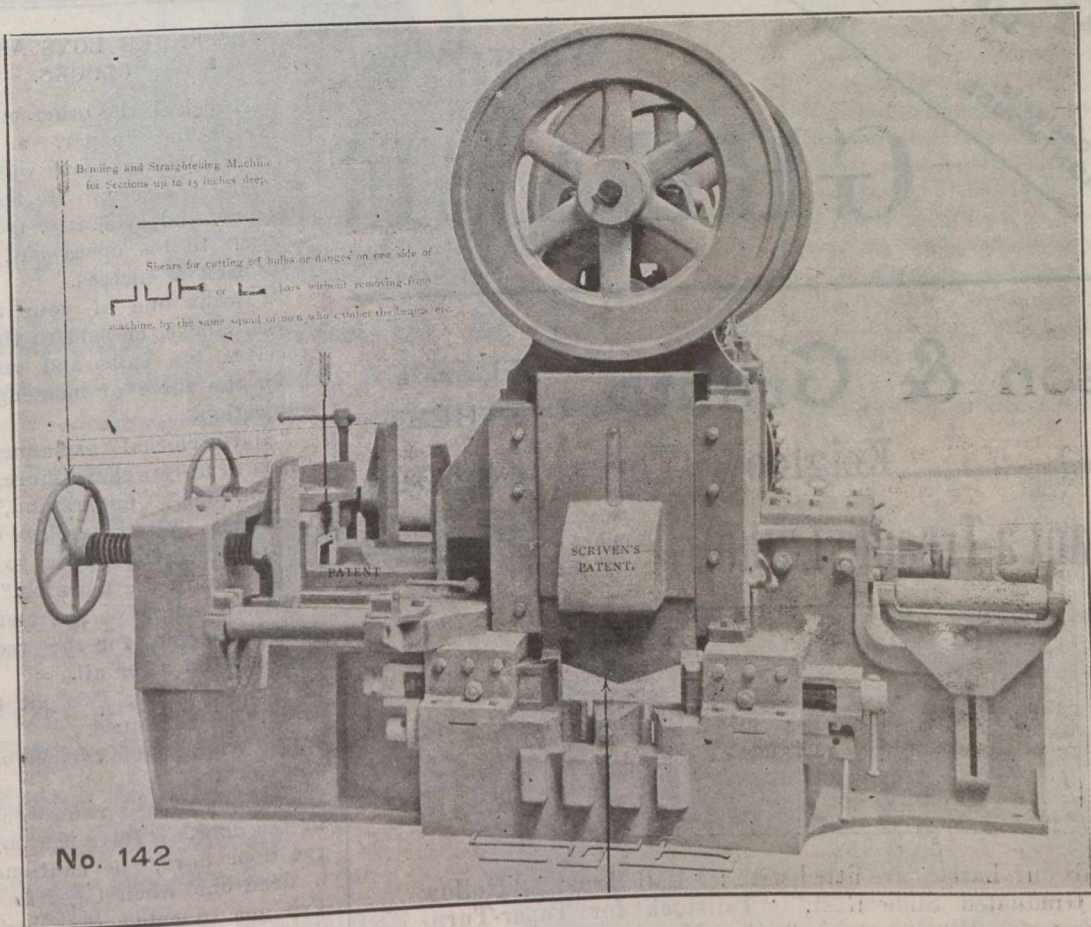
Tel. Address: "SCRIVEN, LEEDS."

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,

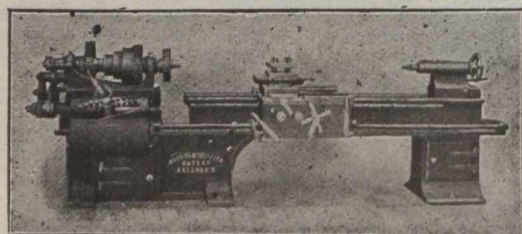
Antifriction,

Water-Wheel,

GREASE

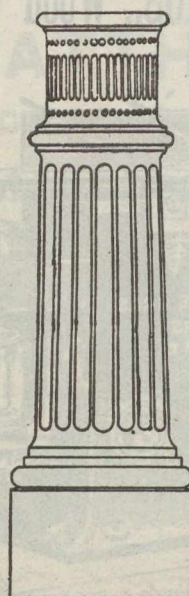
Hudson & Griffith, FLEECE STREET,
Keighley, Yorks, England.

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.



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Limited.

Engineers,
Millwrights,
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Electric Light and
Tramway Pole Bases.

Iron and
Brass Founders,
NORTH WALL
IRON WORKS,
DUBLIN,
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MANTELS,
TILES,
MOSAICS,

TRANSOM
and PAVEMENT
PRISMS.

WEBSTER BROS. & PARKES,
228 ST. JAMES ST..
MONTREAL, Que.

MESSENGER BOYS AS ALARM CLOCKS.

At 1 o'clock the other morning, says a New York paper, a well-dressed man strolled into one of the uptown messenger offices. He had been dining out, and evidently, from the rakish tilt to his opera hat, the dinner had been a success.

"I want one of your trustworthy alarm clocks, he said to the man who receives the calls and endeavors to keep the force of messenger boys in subjection.

"Alarm clocks!" exclaimed the clerk. "This is no jewellery store,"

"You don't understand," returned the man. "How careless of you. I want a messenger boy to come and waken me in the morning."

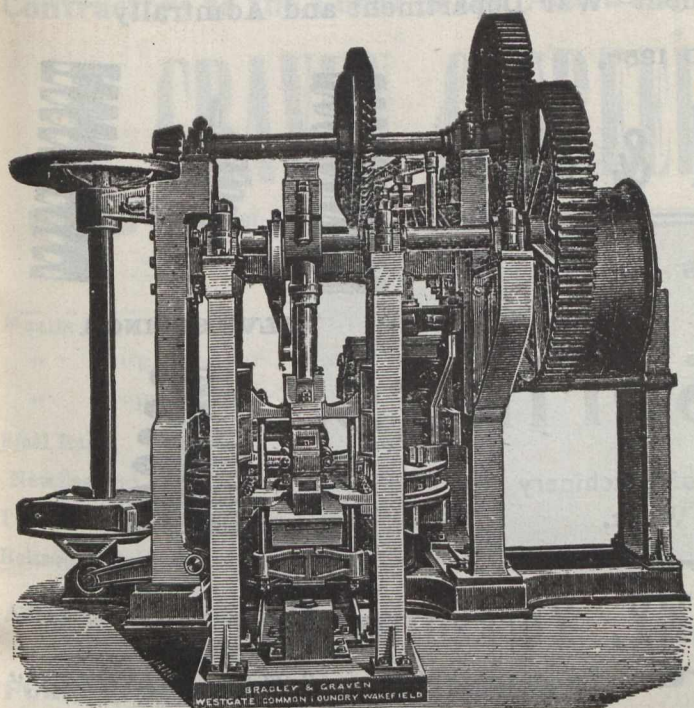
"What hour?" The clerk was all business again, for the request was not unusual after all.

"Seven o'clock; I've got to catch a train," he explained.

"All right, sir; 7 o'clock," assured the clerk.

The man turned as he was going out of the door. "Have the boy hammer the door hard," he cautioned. "I'm a 'dead one' when I get to sleep, and I've got to catch that train." Then he went home, which was around several corners and up several flights of stairs, and went to sleep with absolute confidence.

The whistles were blowing 7 o'clock,



Craven's Patent Brick Moulding and Dressing Machines.

BRICK MACHINERY

For Working all kinds of Clay.

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

Double the Strength of any other Machines in the Market.

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

Bradley & Craven,
LIMITED

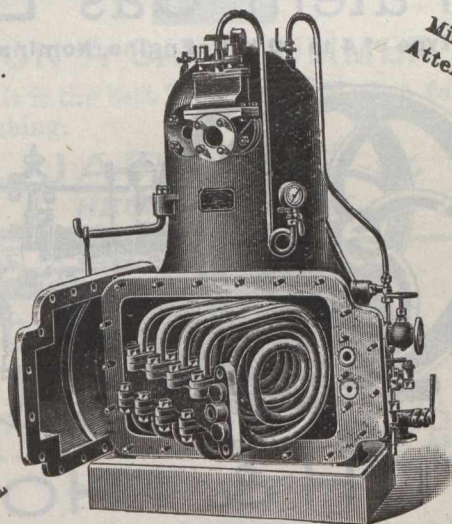
Westgate Common Foundry, WAKEFIELD, Eng.

Manufactured for the Canadian Market, under the new Preferential Tariff, 33 1/2 per cent. in favor of English Goods.

Morison's Radial Evaporator

Fitted in upwards of 2,000 STEAMSHIPS.

General Handiness and Facilities for cleaning UNSURPASSED.



Minimum of Labour and Attention required at sea.

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

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

and the gray dawn was giving way to the more solid light of positive day. A small boy in uniform hammered with a club, his "waker," on the door of the man who had dined the night before. "Get up in there!" he cried; "get up, you old sleepy-head."

"You go away from my door," comes in sleepy tones from the room. "It's a mistake. I don't want to get up."

"Oh, yes, you do, my dodo bird," is the fresh reply, and the tattoo on the door goes on with redoubled strength.

"All right, boy; I'm awake now!" howls the man who has been sleeping. "You can go away now."

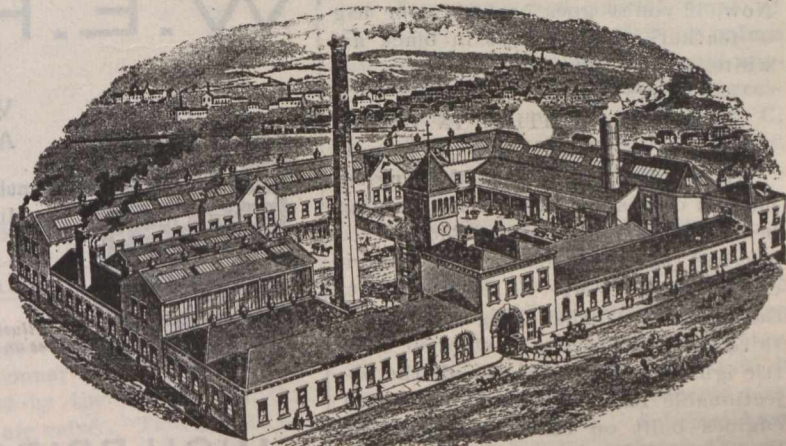
"Not till you've signed this receipt," the boy insisted.

The man has to crawl out of bed and come to the door. The boy has a paper ready, and as he is a careful man he reads before signing. It certifies that he has been thoroughly awakened by Messenger No. 42, and that he is not going back to bed again that day.

A. Earnshaw & Sons, Ltd.,

MAKERS OF

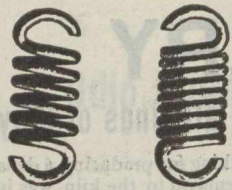
Lathes up to 40 inch centres
Railway Wheel Lathes
Planing Machines
Slotting Machines
Drilling Machines
Plate Bending Machines
Plate Edge Planing
Machines
and
Milling Machines



Crown Works, HALIFAX, ENG.

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

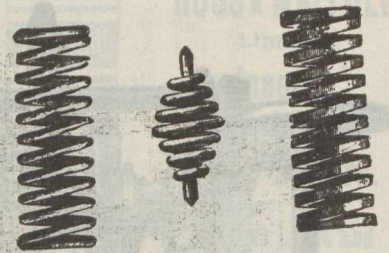
ESTABLISHED 1856.



VALVE SPRINGS.

Joseph Steel & Sons,

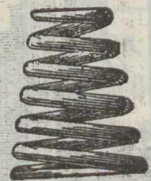
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VALVE SPRINGS.



Spiral Springs,



For all Classes of Machinery and Engineering Work.

Harden near BINGLEY, Yorkshire, Eng.

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Telegraphic Address, "STEEL, BINGLEY."



Telegraphic Address: "SPIRITS, DUNDEE."

The Highest Point of Perfection



GEORGE MORTON & CO. LTD DUNDEE SCOTLAND

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

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

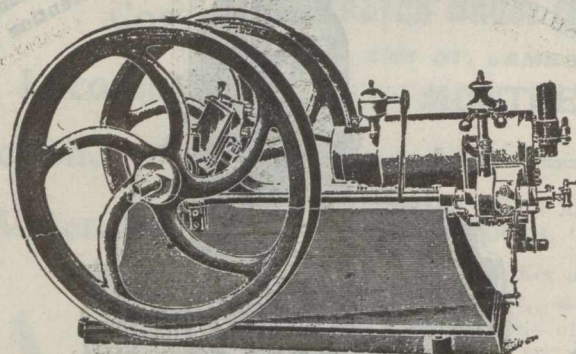
"Is this a joke?" he asks the boy. "Naw, 'tain't no joke," replied the messenger through his teeth. "If we'se didn't make you'se do this you'd be down to de office about noon a-howlin' dat we didn't wake you'se. Now, if you'se goes back to your bag o' feathers we'se got ye in black an' white, an' no mistake."

ELECTRIC IGNITION IN GAS ENGINES.

We are glad to see that the English makers of gas engines are not lagging behind in this matter and bid fair to outrival the Continental and American makers. Mr. C. H. Dewhurst, Gas Engine Works, Keighley, Yorkshire, has patented a system of electric ignition which obviates all the objectionable features hitherto found in engines built on this principle. By his system no working parts are connected with the cylinder or with any

New Patent Gas Engine.

Type of 4 to 10 H.P. Engine, Nominal.



Ignition Tube and

SPETCH & THOMAS,

SOLE MAKERS,

Paragon Engine Works, Longside Lane, BRADFORD, ENGLAND.

SPECIAL TERMS TO CANADIANS UNDER THE NEW TARIFF.

W. E. Foggin & Co.,

No. 9 by 9 of 17 g.



WIRE WORKERS AND WEAVERS,

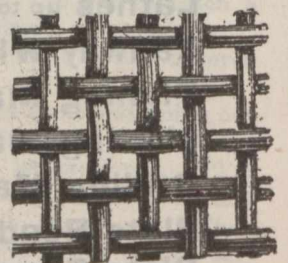
Manufacturers of all kinds of SCREENS for Mining and other purposes . . .

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.

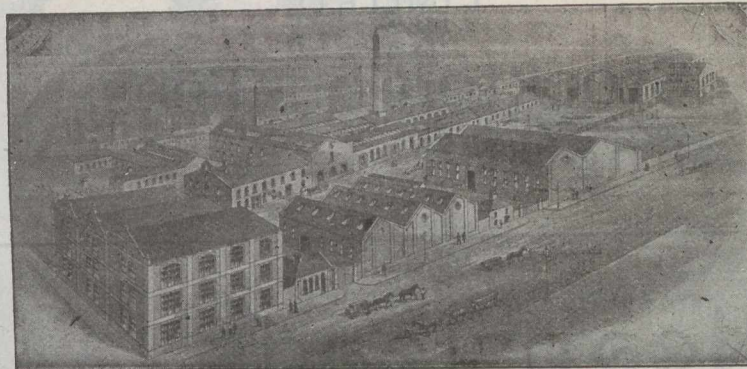
Contractors to the Lords of the Admiralty.

Telegraphic Address: "ROPES, SUNDERLAND."

CRAVEN & SPEEDING BROTHERS,

Hemp Rope Department.

- Manila Rope, Staple Brand.
- " " "Red Star" "
- " " "Blue Star" "
- Sisal Rope.
- New Zealand Rope.
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Wire Rope Department.
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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.

and breaking the contact. Between the lever and the contact breaker is a plunger which is operated by the governor. The governor so controls the contact breaker that only current is used when the engine takes in a charge of gas. This greatly increases the life of the cells. After the engine has taken in a charge of gas it is compressed and the air cam makes the connection at the required time for exploding the mixture when a series of sparks are thrown into the cylinder making a sure form of ignition.

By this system all the troubles and expenses connected with the old tube ignition are entirely removed, besides insuring positive and accurate firing of the charge. Another great advantage is that the engine can be started instantly and this should prove a boon to most users as it has been found in practice one great drawback to gas engines in works of any dimensions. Mr. Dewhirst's engines are founded on over 20 years' experience and having previously introduced many valuable improvements we have no doubt but that this, his latest design, will become a boom on the market. He has lately built larger and more commodious works to meet the growing demands for his engines and has put down new and special plant of the latest type with a view to reduce the working expenses. We would suggest that Canadians interested correspond with the manufacturers, Mr. C. H. Dewhirst, Gas Engine Works, Keighley, Yorkshire, Eng.

ARTIFICIAL VS. NATURAL INDIGO.

The indigo planters of India are year by year feeling the increasing pressure of the chemist's laboratory, and if things go on as they are at present, the industry will become a recollection of the past. Schemes have been formulated for meeting this increasing competition of the artificial

part subject to excessive heat. An ordinary starting plug such as is used in the larger motor cars is employed. The current is obtained from a set of dry cells of improved make. An induction coil with trembler is used to obtain a good fat spark. An extra lever and runner is set in position to be operated by the same cam that works the air valve. This has an adjustment so as to regulate the time of firing. This lever is used for making

Head, Wrightson & Co.

LIMITED.

Stockton-on-Tees,
England

... Pit Heapsteads...

PULLEY
FRAMES

AND

PULLEYS.



SHAKING
SCREENS,

Travelling

AND

Picking Belts.

COAL SCREENING & CLEANING PLANTS.

TIPPLERS,
ELEVATORS,

Coal Shipping Appliances.

product, but, so far, not one of them seems to have been feasible. It has been claimed that the product of the synthetical chemists does not possess the lasting properties of the natural dye, and that it never yields in the dye vat more than its attributed strength of indigotin, whereas natural indigo possesses an "undiscovered value," beyond its chemically-tested strength that only manifests itself in the vat to the experienced and skilled manipulator; still, the increasing output is meeting ready purchasers. The supply of natural indigo, including the stocks in hand, is estimated this year at 62,000 chests, while it is expected that the chemists will turn out 16,000 chests, a total of 78,000 chests. The estimated world's consumption is placed at 48,000 chests a year. This is but little more than

50 per cent. of the supply, so there is little wonder that the planters are worried over the situation. A suggestion has been made for diversification of crops, and the turning of the plantations into sugar fields. This was done in the State of Louisiana when the increasing competition of the Indian fields made the cultivation of indigo unprofitable. Whether this example will be followed in India is a matter for the future to determine, but as the question stands the planters will have to do something, and that quickly. How much the artificial product has cut into the income of the planter is shown by the fact that in 1898 the total production was only 2,760 chests. The following year the production rose to 6,850 chests; in 1900 to 11,000 and in 1901 to 14,000 chests.

PATENT REPORT.

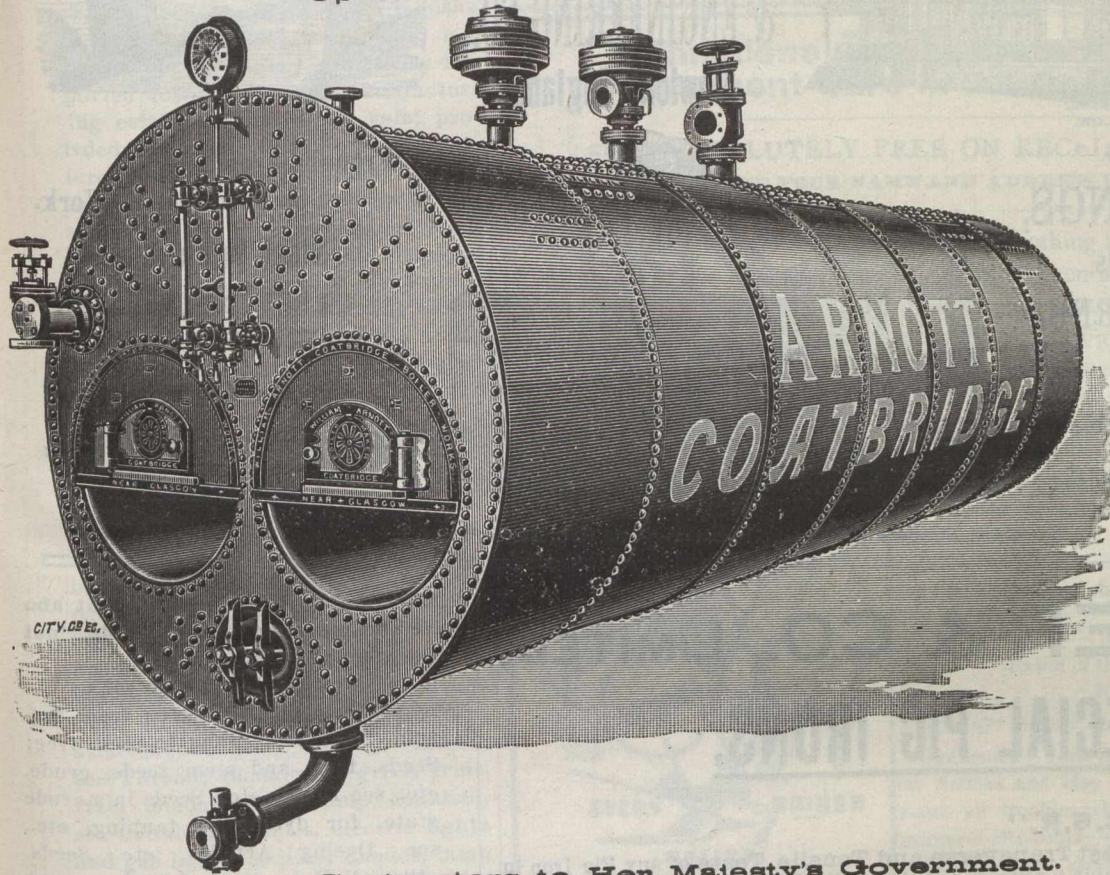
Owen N. Evans, solicitor of patents and expert, Temple Building, reports the following United States and Canadian patents granted to Canadians last week: United States: Acetylene gas apparatus, C. C. Holland (trustee); advertising street and station indicator, J. H. Shepard; die block, A. A. Dickson; piling machine, Daniel J. Brophy; automatic motor car life-saver, G. O. S. Conway et al; self-adjusting electro-magnetic circuit closing mechanism, G. W. Gillespie; signal system, Edward Peterson; automatic chromatope, George Wells. — Canada: Telephone circuits, Bell Telephone Company of Canada; telephone exchange systems, Bell Telephone Company of Canada; hay presses, D. M. Macpherson; calling appliances for

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—30 Tons.

Contractors to Her Majesty's Government.

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

telephone switchboards, Bell Telephone Company of Canada; ash sifters, Frank McGinn; apparatus for reducing steel rails to billets, W. G. Howell.

The following complete weekly list of patents granted to Canadians is furnished us by Messrs. Fetherstonhaugh & Co., patent solicitors, Canada Life Building: Canadian patents: W. J. Stinson, gas machine; R. Sanderson, grain pickling machines; D. W. Christian carpet stretchers; H. Prevost, instantaneous inflating devices for collapsible belts; B. Westhaver, rifles or gold separators; W. J. Curry, portable beds; W. M. Hollingshead, and C. F. Richards, means for securing buttons, hooks and eyes and eyes and the like to clothing; W. Maloney E., Dore and J. Dore, grain harvesters and threshers; J. A. Leggatt, electric light adjusters. American patents: Alexander D. Fisher, combination puzzle lock; John E. Iredale, last; Phelps Johnson, railway turn tables; Wm. T. Jonas, float stringers; D. McKenzie, combination baby carriage and sleigh; Ed. Seybold and C. E. Mountford, assignor to Eclipse Office Furniture Co.

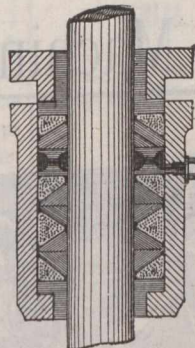
PEANUT OIL AND CAKE.

African peanuts are said to be especially valuable on account of the fact that they contain a large quantity of oil, for the sake of which immense quantities of them, mostly raised

in Senegambia and along the east coast, are shipped to Marseilles for conversion into pure "olive oil." The poorer peanuts are employed for soap; the residue, after pressing, is known as "cake," and brings \$30 a ton as cattle fodder, and the shells are utilized as material for paper. Recent experiments by dietic experts have shown that one pound of peanut meat contains nearly as much nu-

triment as three pounds of lean beef. The meal, which is obtained by grinding the "cake," costs four cents a pound in bulk, and the Germans have prepared from it several agreeable articles of diet—such as "peanut grits" and "peanut flour", this latter being ground and bolted like ordinary flour. Palatable crackers have also been made from this crude by-product of the oil mill.

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 unqualified success.

All Orders will receive Prompt Attention.

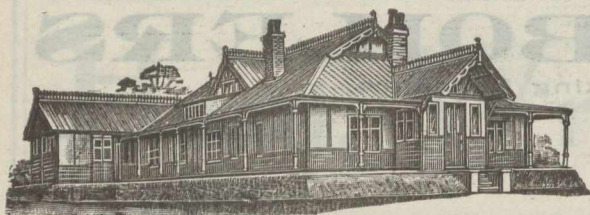
THE ...

Harbinger Patent Elastic Metallic Packing Company,

Albany Chambers, 63 King Street,

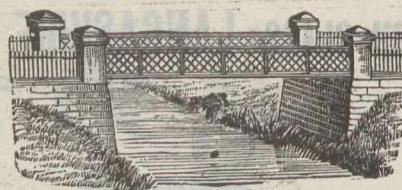
SOUTH SHIELDS, England,

Telegraphic Address: "MICA, SOUTH SHIELDS."



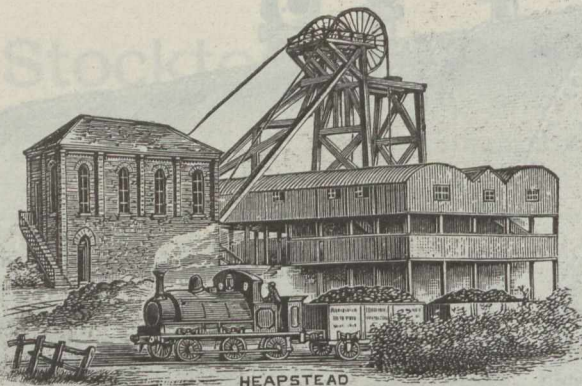
BUNGAL Q.W.

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



MANUFACTURERS OF
IRON BUILDINGS,
Churches, Schools,
HOSPITALS, BARNS,
WAREHOUSES,
HEAPSTEADS.

Huts, Hay Sheds, Farm Buildings.



HEAPSTEAD

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

Special Prices to Canadians under the New Tariff.

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

Brand "WARNER C.S.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.

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

(Continued from Page 867.)

Seed, pease and seed beans from Britain, free; Seed, annatto seed, free; Seeds, fruit and stem seeds, crude, etc., see Drugs, etc.; Seeds in a crude state, for dyeing or tanning, etc., see Dyeing Articles, etc.; Seeds, other, N.E.S., 20 p.c.; Seeds, oyster seeds and breeding, imported for the purpose of being planted in Canadian waters, free; Seed drills, 20 p.c.; Seines for fisheries, see Fish Hooks; Seines, other, see Hammocks; Semaphore wire, see Wire; Senna, in leaves, crude, see Drugs, crude; Senegal gum, see Gums, &c.; Separators, cream, free; Separators, see Agricultural Implements; Separators, see Machinery, Mining; Serge wool, see Wool Fabrics; Serums or bacteriological products for subcutaneous injections, free; Sesame seed, see Seeds; Sesame seed oil, 25 p.c.; Settlers' effects,—Wearing apparel, household furniture, books, implements and tools of trade, occupation or employment, guns, mu-

CANADIAN CUSTOMS TARIFF.

The initials N. E. S. represent and

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

Established 1868.

Telegraphic Address: "BRICK, Leeds."

Brick-Making and Grinding Machinery.

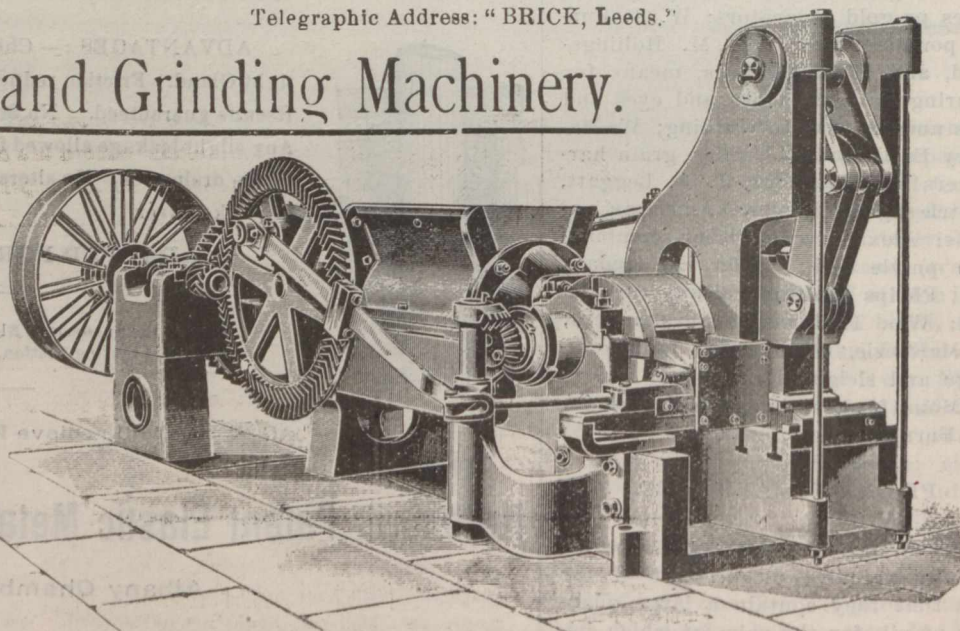
Manufactured by ...

Richard Scholefield,

ENGINEER,

..Burley Vale Mills..

Kirkstall Road,
LEEDS, Eng.



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

sical instruments, domestic sewing machines, typewriters, live stock, bicycles, carts and other vehicles, and agricultural implements in use by the settler for at least six months before his removal to Canada, not to include machinery or articles imported for use in any manufacturing establishment or for sale; provided that any dutiable article entered as settlers' effects may not be so entered unless brought with the settler on his first arrival and shall not be sold or otherwise disposed of without payment of duty until after twelve months of actual use in Canada. Provided also, that under regulations made by the Minister of Customs, live stock, when imported into Manitoba or the North West Territory by intending settlers, shall be free, until otherwise ordered by the Governor-in-Council, free; Sewer pipes, glazed, 35 p.c.; Sewer pipes, unglazed, 35 p.c.; Sewing and embroidering silk and silk twist, 25 p.c.; Sewing machines, 30 p.c.; Sewing machines, toys, 35 p.c.; Sewing machines, parts of, 30 p.c.; Sewing machines of settlers, see Settlers' Effects, etc.; Sewing machine attachments, free; Sewing thread, see Thread; Shaddock's green fruit, free; Shade blanks, lamp, celluloid, see Celluloid; Shades, electric lights and gas lights, 30 p.c.; Shades, lamp shades of glass, 30 p.c.; Shade holders, see Lamps; Shades, paper lamp shades, 30 p.c.; Shade trees, 20 p.c.; Shades, window shades, see Window Shades; Shading machines used in stone engraving, 25 p.c.; Shafts, for carriages, unfinished, 25 p.c.; Shafts, for carriages, finished, to pay the same rate as carriages and waggons; Shafting, see Forging in Steel; Shale, product of, see Oil Coal; Shams and curtains, when made up, 35 p.c.; Shapes, hat, cap and bonnet shapes, 30 p.c.; Shapes, of iron or steel, see Angles in Steel; Shawls of all kinds, railway or travelling rugs and lap dusters of all kinds, 30 p.c.; Shears, pruning shears, 25 p.c.; Shears, barbers', tailors', and lamp shears, 30 p.c.; Sheep, N.E.S., 20 p.c.; Sheep, for improvement of stock, free; Sheep for settlers in Manitoba, &c., see Settlers' Effects; Sheep dip, 25 p.c.; Sheepskins, tanned but not dressed, waxed or glazed, see Leather; Sheepskins, dressed, waxed, or glazed, see Leather; Sheepskins, raw, see Hides; Sheep skins, fur, see Furs; Sheetings, cotton, see

Asthma Cure Free!

Asthmalene Brings Instant Relief and Permanent Cure in All Cases

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



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

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

Rev. Dr. Morris Wechsler,
Rabbi of the Cong. Bnai Israel.
New York, Jan. 3, 1901.

DRS. TAFT BROS. MEDICINE CO.,

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

After having it carefully analyzed, we can state that
Very truly yours,
REV. DR. MORRIS WECHSLER.

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

DR. TAFT BROS. MEDICINE CO.

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

Yours respectfully,
O. D. PHELPS, M.D.
Feb. 5, 1901.

DR. TAFT BROS. MEDICINE CO.

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

Home address, 235 Rivington street.

S. RAPHAEL,
67 East 129th st., New York City.

TRIAL BOTTLE SENT ABSOLUTELY FREE ON RECEIPT OF POSTAL.

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

Sold by all Druggists

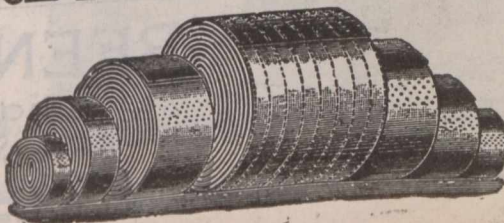
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Ryburn Leather Works,
SOWERBY BRIDGE, ENGLAND.

Telephone No.—0980, Halifax.

Telegram—"Fletcher & Shaw, Sowerby Bridge."

Manufacturers of every description of

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



**Cotton, Hair
and Link Belting, &c**

Special prices to Canadians under the new Canadian tariff.

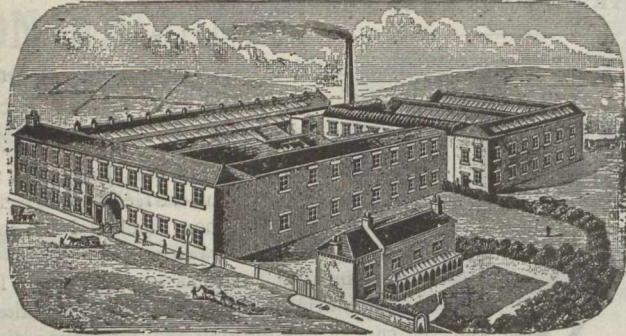
Telegraphic Address: "PURIFIER, BATLEY."

ESTABLISHED 1865

JOHN ILLINGWORTH & SONS,

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

BATLEY, ENGLAND.



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Patentees and Sole Makers of the
CELEBRATED PURIFIED

Flocks and Wools,

Large Stocks of all Descriptions of

Drummed Wools & Ruggings

Manufacturers of
all kinds of . . .

FOR COLLAR MAKERS
AND BROWN SADDLERS.

HORSE CLOTHING

FOR HOME AND EXPORT

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

BEST MAKE.

SUPERIOR CUT.

LOWEST PRICES.

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

NONE BUT THE TRADE SUPPLIED.

PRICES ON APPLICATION.

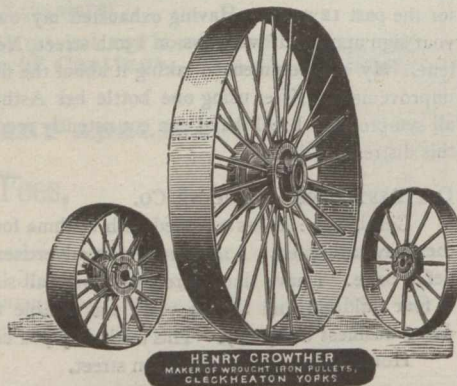
Wrot.-Iron Pulleys.

Bright Steel Shafting.

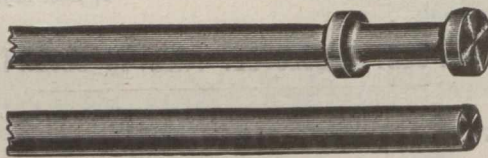
Lists sent Post Free
on Application.

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

Telephone
43.



HENRY CROWTHER
MAKER OF WROUGHT IRON PULLEYS,
CLECKHEATON, YORKS.

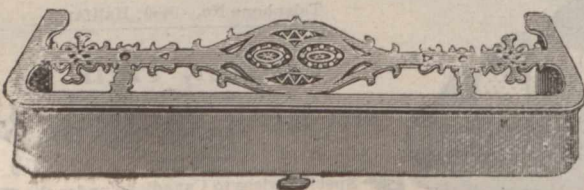


HENRY CROWTHER, Rolling Mills,

Cleckheaton,
YORKS, ENGLAND.

Special Terms to Canadians under the New Tariff.

Cotton; Shelf cloths, see Oil Cloth; Shelf brackets, made of iron, 30 p. c.; Shelf brackets, brass, 30 p. c.; Shellac, white, in gum, or flake, for manufacturing purposes, free; Shellac, white, in gum, or flake, N. E.S., 20 p. c.; Shellac gum, free; Shells, tortoise, mother of pearl, and other shells unmanufactured, free; Shells, marine, ground or broken, 20 p. c.; Shells, manufactures of, fancy, see Fancy Cases; Shells, pepper shells, 25 p. c.; Shells, manufactures of other, N.E.S., 20 p. c.; Sheetings of linen, in the piece, 25 p. c.; Sheet copper, see Copper; Sheet, printed music, bound or in sheets, 10 p. c.; Sheet iron signs, see Signs; Sheet brass, see Brass; Sheets of cotton or linen, 30 p. c.; Sheet iron, see iron; Sheet steel, see Steel; Shellers, corn, 25 p. c.; Ships and other vessels, built in any foreign country, whether steam or sailing vessels, on application for Canadian register on the fair market value of the hull, rigging, machinery, and all appurtenances, except machinery, 10 per cent.; on boilers, steam engines, and other machinery, 25 p. c.; Ships,



R. GREENLEES & Co.,

Fender and Ashpan Makers,

42 GREAT CLYDE STREET, GLASGOW, SCOTLAND.

Works: 30 East Howard Street.

Illustrated Price Lists on Application.

AUSTIN & DODSON, LIMITED,

MANUFACTURERS OF

Special Tool Steel for High Speeds,

Best Warranted CAST STEEL for Tools of all kinds.
DOUBLE SHEAR, BLISTER, HAMMER and DRIFT Steels.

MINING TOOL STEEL.

Best CRUCIBLE Cast Steel FILES.

Cambria Works, SHEFFIELD, England.

T. Kerfoot & Co.

MANUFACTURING
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LABORATORIES, WAREHOUSES & OFFICES:

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

LONDON WAREHOUSE:

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

or vessels, repairs to, Customs duties are not to be collected on ordinary repairs made to a Canadian vessel in a foreign port. This exemption from duty does not apply to machinery from any country, excepting the United Kingdom, for use on Canadian vessels if the machinery is of a class or kind made in Canada; Shields, stallion shields, leather, saddlery, 30 p.c.; Shields, dress, all cotton, 35 p.c.; Shields, dress shields, rubber, 35 p.c.; Shingles, wood, see Wood; Shirts, N.E.S. of any material, 35 p.c.; Shirts, underwear, see Underwear; Shirt front, paper or other material, 35 p.c.; Shirtings, cotton, checked or striped, 35 p.c.; Shoddy, 20 p.c.; Shoes, horse, mule or ox shoes, 30 p.c.; Shoe lace wire fasteners, free; Shoes, wire for, see Wire; Shoes of any material, N.E.S., 25 p.c.; Shoe buttons, see Buttons; Shoemakers' ink and blacking, 25 p.c.; Shoemakers' pitch, 20 p.c.

(To be Continued.)

John Smith,

CRANE WORKS,

KEIGHLEY, Yorks,

ENGLAND.

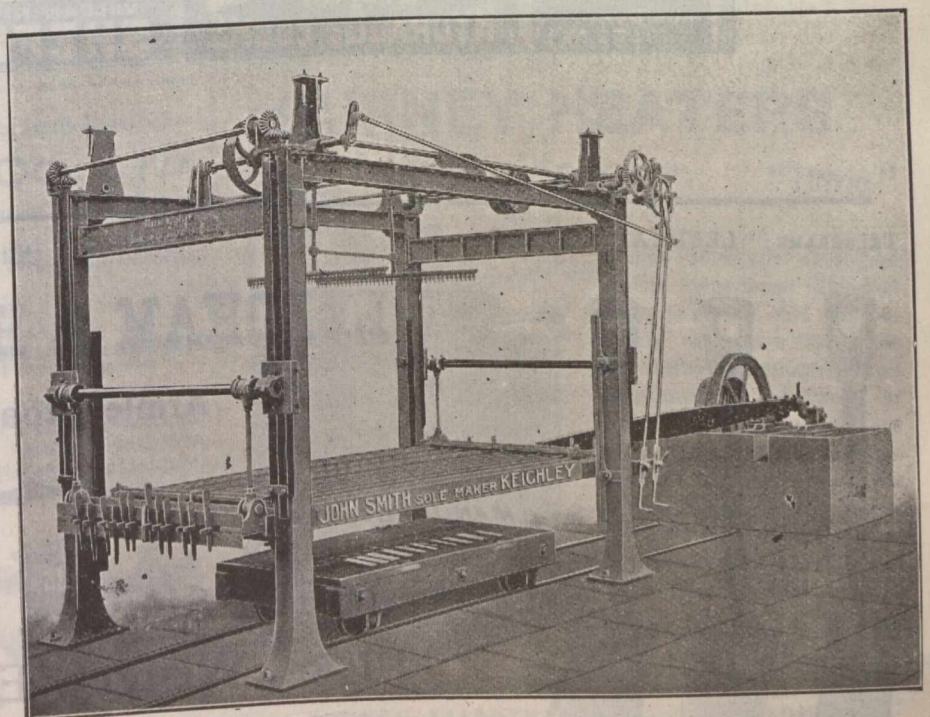
SPECIALITIES

STONE SAW FRAMES
And DERRICK CRANES.

Nat. Telephone, 29 Keighley.

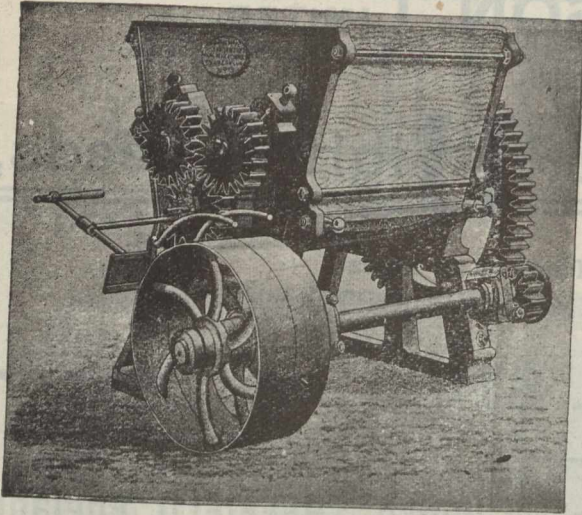
Telegraphic Address: "CRANES, KEIGHLEY."

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Established 1842.



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Sole Maker of JOHN HEALD'S Patented
Doughing and Grinding Machine for
Waterproofing. Maker of Mixing, Wash-
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chinery. Vulcanizing Presses, Pans,
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MAKERS OF

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OF

STEEL & IRON RIVETS

TO STAND TESTS OF
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WHEEL
VALVES
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LUBRICATORS
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FITTINGS
MARINE
LUBRICATORS
FUSIBLE
PLUGS & E

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

STEAM
&
HYDRAULIC COCKS

VULCAN RIVET & BRASS WORKS
SHEFFIELD ENGLAND

TELEGRAMS: "LEEDHAM," LEEDS, ENG.

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

LEEDHAM & HEATON, Ltd.,

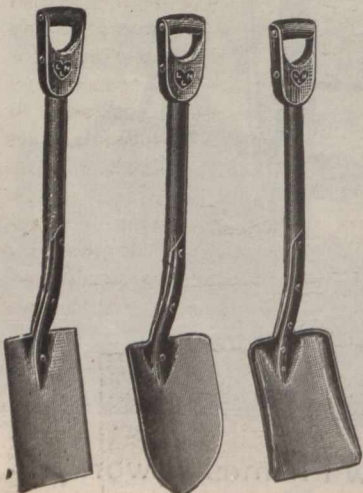
Armley Road Works,

LEEDS, ENGLAND.

MANUFACTURERS
OF

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

List of Prices on Application, Special Terms.



REGISTERED

GOLD MEDAL AWARDED 1886

WEBSTER'S BLUE-BLACK WRITING INK.

DIAMINE

Sold in bottles, all sizes, and per gallon. Also Coloured Inks, Endorsing Inks, Copying Inks, Stylographic Inks, Ruling Inks, Marking Inks, Stencil Inks. **SPECIALITY—Concentrated Dry Inks in 1 and 2 gallon tins.** LEVANT, GRAIN, AND ALL INKS FOR LEATHER. LIQUID GUM AND OFFICE PASTE. Manufactured by **T. WEBSTER & CO., 9 & 11 HENRY ST., LIVERPOOL ENG.**

Suitable for any "Climate" Agents Wanted.

EVERYTHING

in the line of ...

JOB PRINTING

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John Rigby & Sons, LIMITED.

Salford, Manchester, Eng.,

WIRE OF ALL DESCRIPTIONS.

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

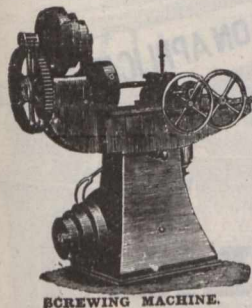
Established 1837. Telegraphic Address. "Wm. Heap, Ashton-Under-Lyne."

WILLIAM HEAP & Co., LTD.

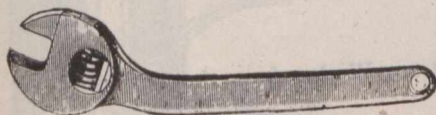
Oldham Road Engineers' Tool Works, **ASHTON-UNDER-LYNE, ENGLAND.**

Engineers' and General Tool Makers.

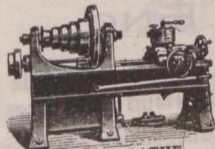
Makers of Lathes, Drilling Machines, Shaping Machines, Slotting Machines, Milling Machines, Screwing Machines, Screwing Tackle, Clyburn Spanners, &c.



SCREWING MACHINE.



CLYBURN SPANNER.



CAPSTAN LATHE.

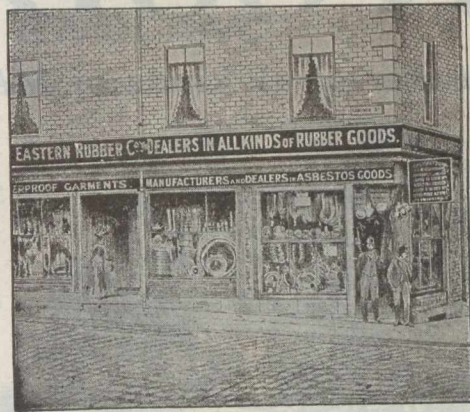
Also Roller Makers' Plant, Brass Finishers' Machines, and Bobbin and Shuttle Makers' Machinery.

Note.—In all communications please address with name in full.

Telegrams: "RUBBER COMPANY, NORTH SHIELDS."

The North Eastern Rubber Co.

Manufacturers and Dealers in all Descriptions of



India Rubber, Asbestos, Leather Goods, Waterproof Garments, Buffers, Valves Packings, Belting, Hose, Tubing, &c., &c.

47 Prudhoe Street and Cor. Borough Road, NORTH SHIELDS, Eng., and Fowler Street, South Shields, England.

ESTABLISHED OVER A CENTURY.

GEORGE JOHNSON & CO.,

Cutlery and Razor Manufacturers, **Schwab's Razors, Full Hollow Ground.**



Never requires Regrinding. Black handles 3's. per doz. Ivory handles, 50s. per doz. Makers of the Celebrated "Seven Stars" and "Ripe and Dart" Razors, in great variety, with either Flat or Hollow-Ground Blades. Made from Highly Refined Steel.

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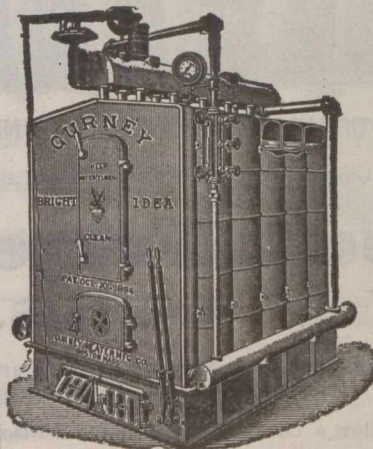
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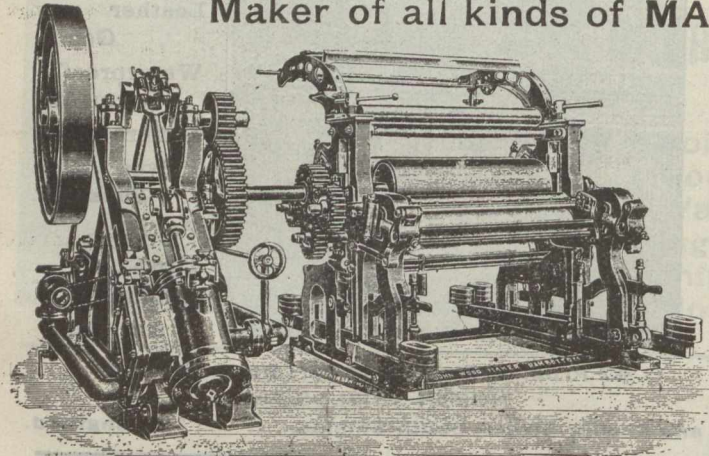
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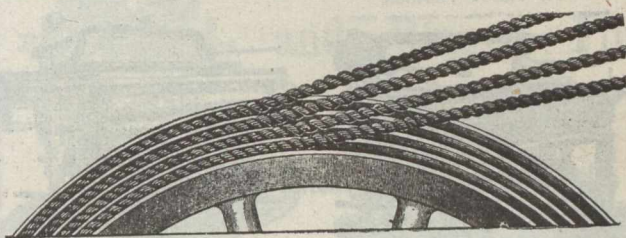
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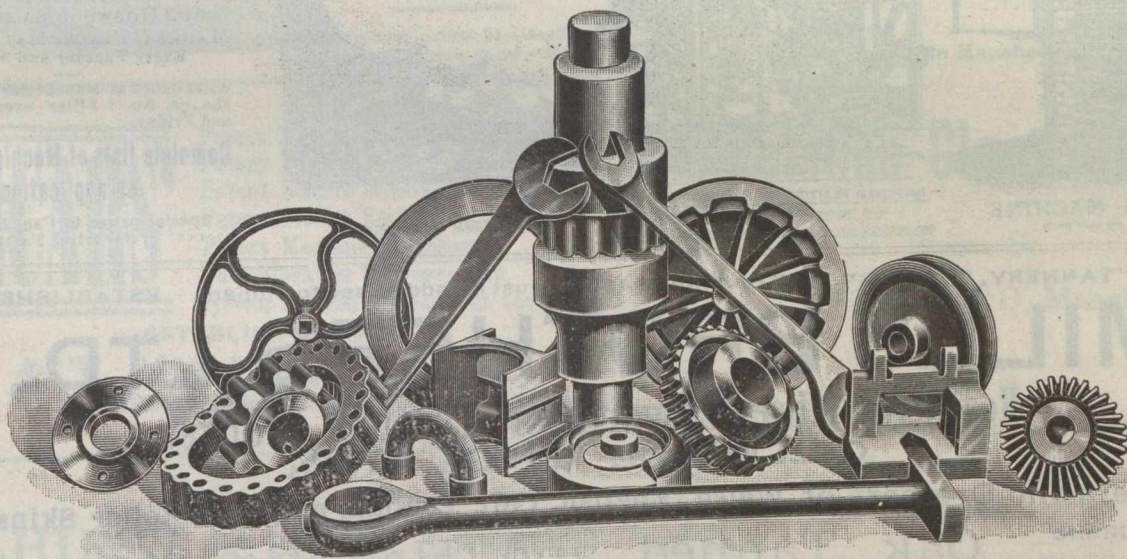
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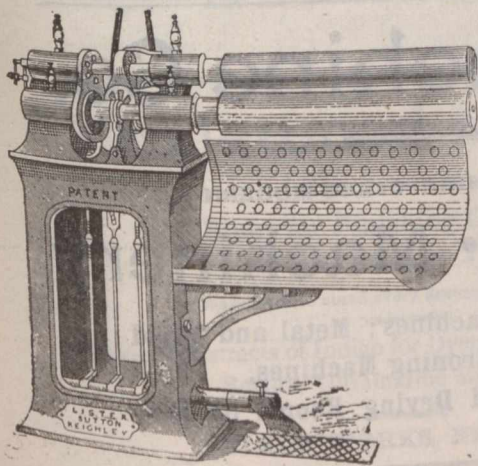
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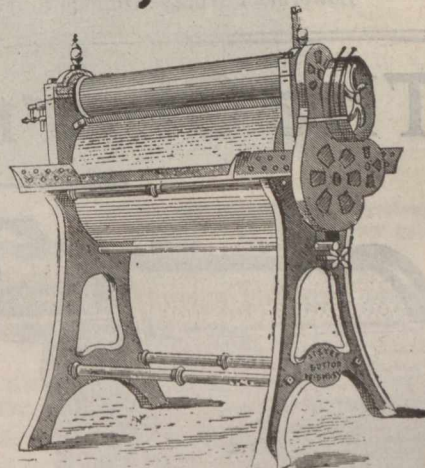
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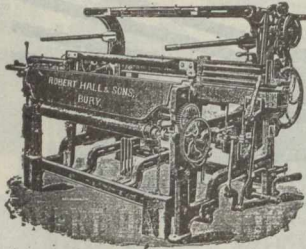


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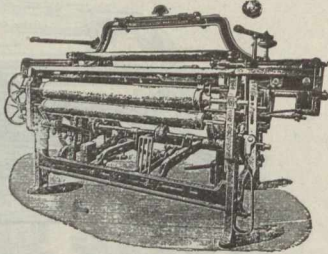
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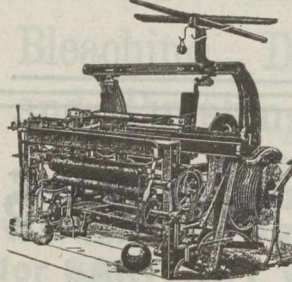
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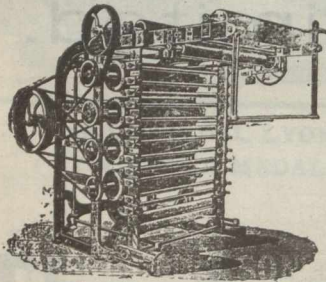
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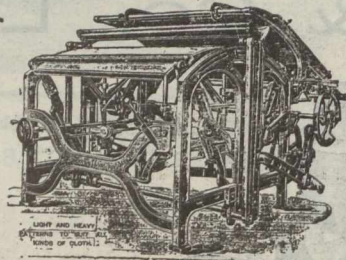
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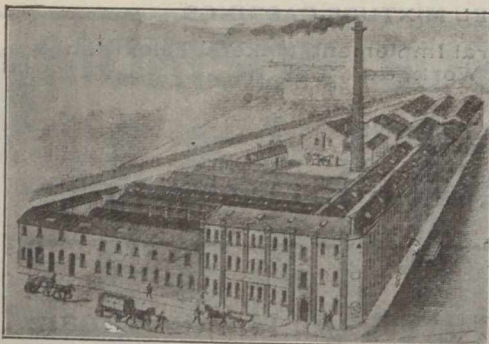
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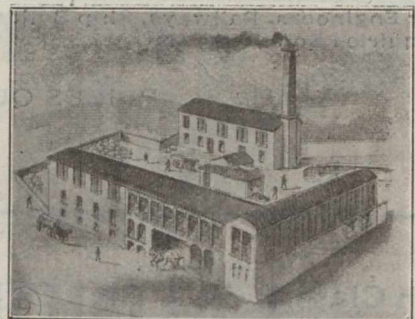
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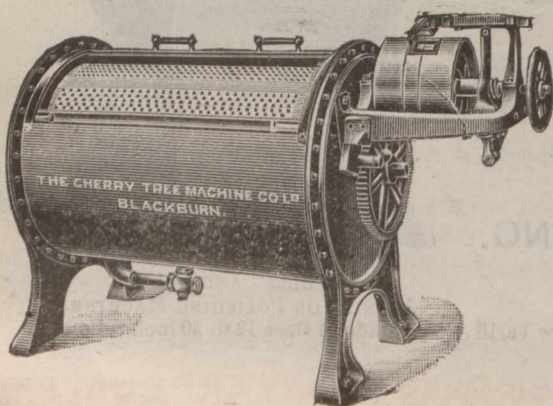
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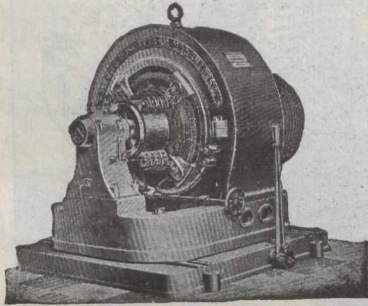


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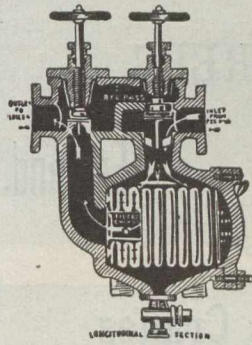
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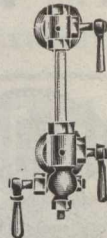
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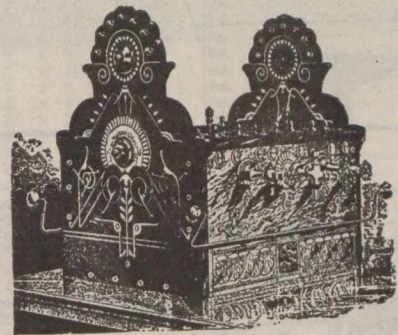


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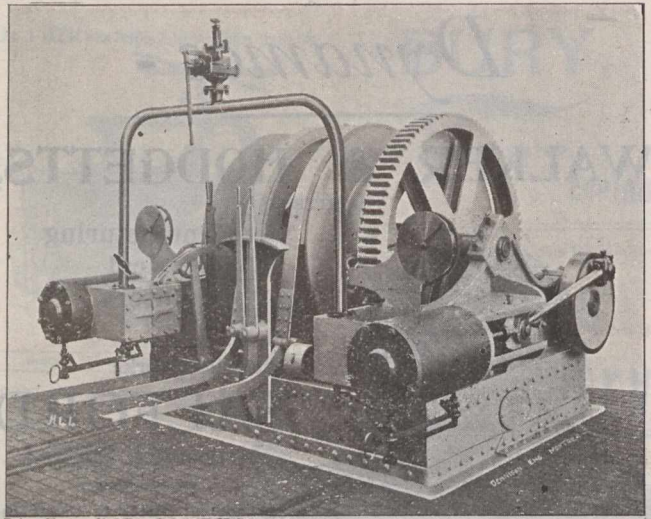
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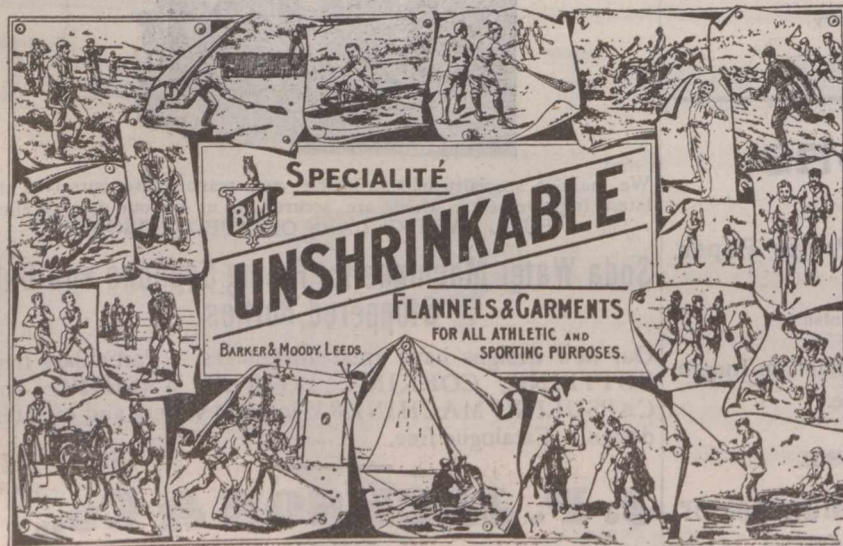
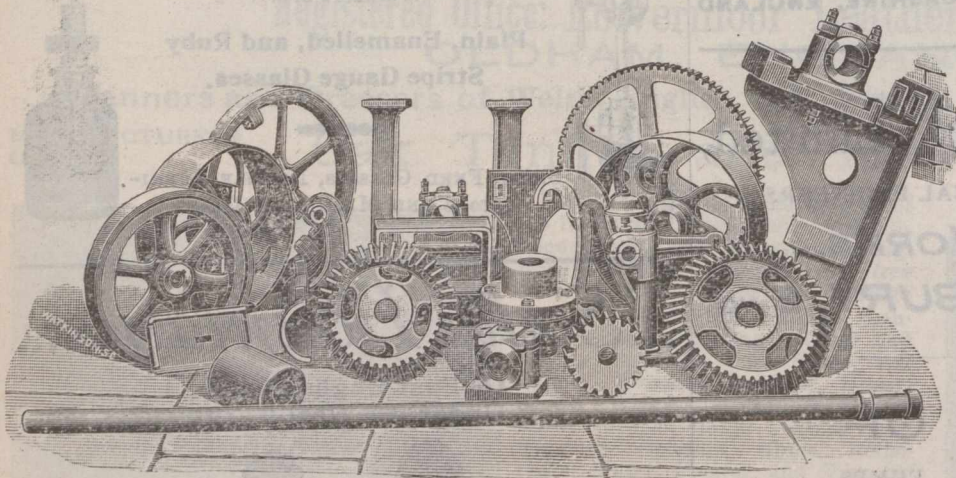
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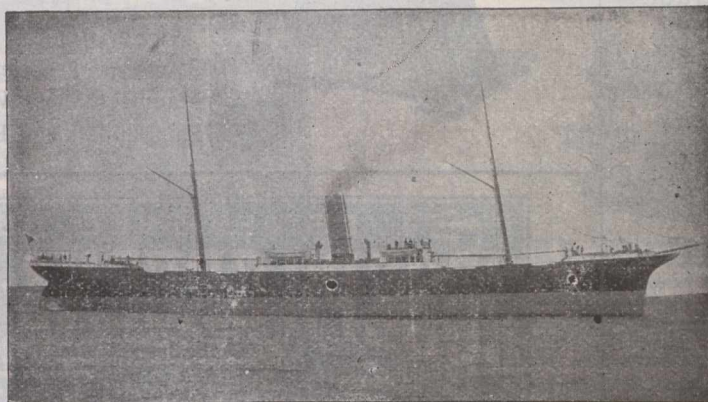
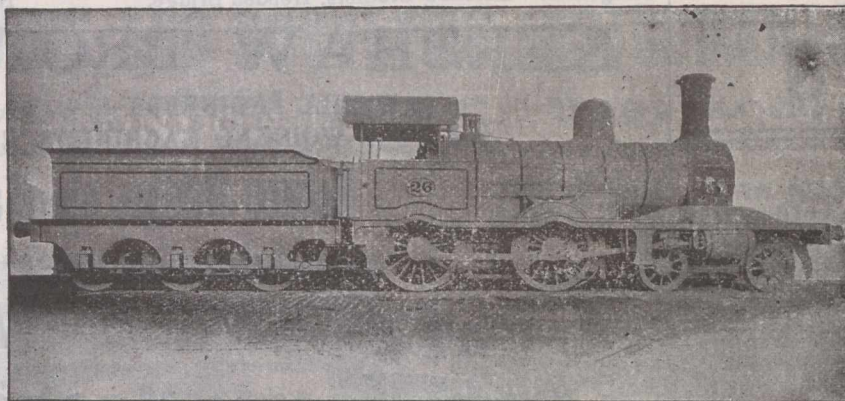
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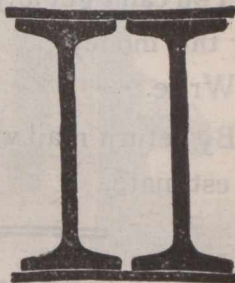
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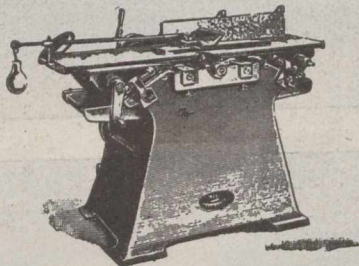
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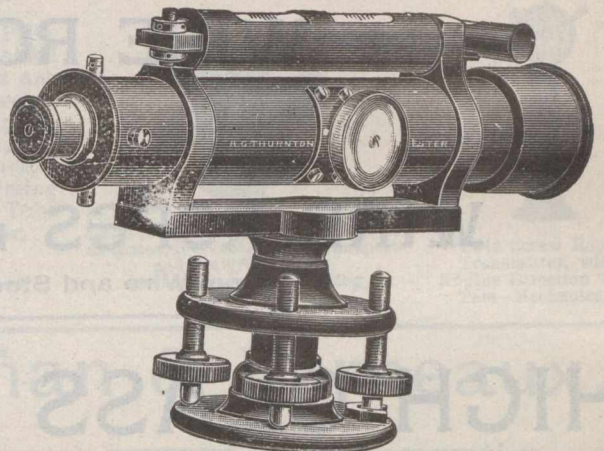
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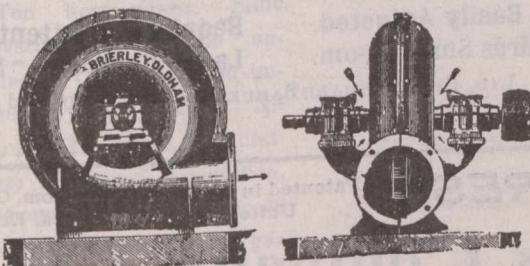
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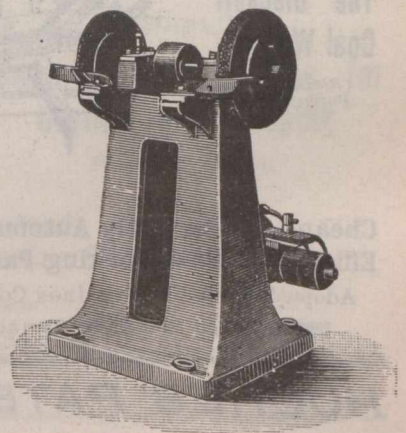
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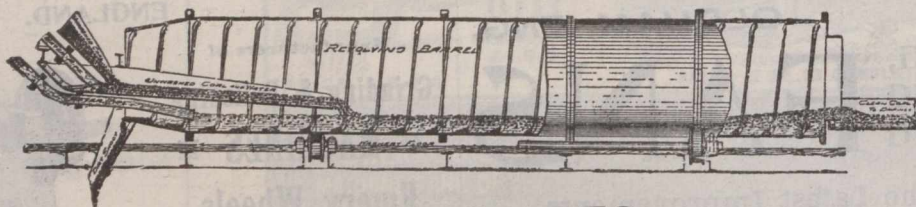
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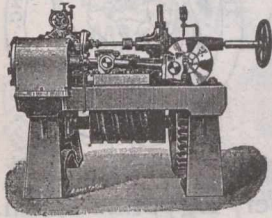
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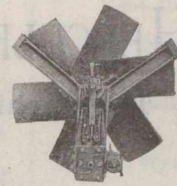
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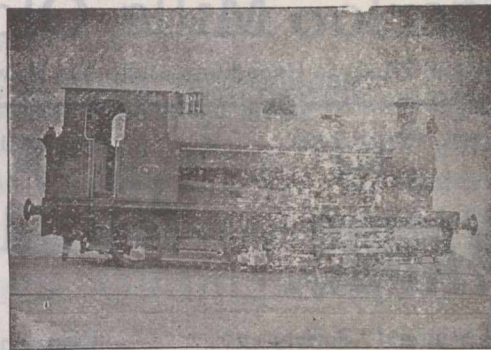
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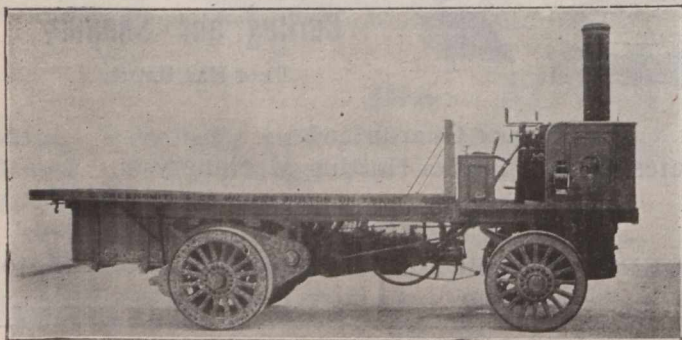
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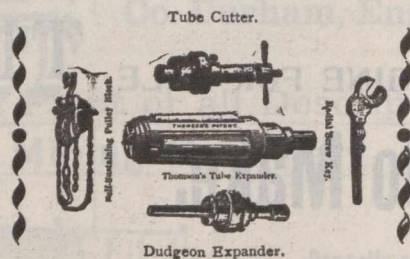
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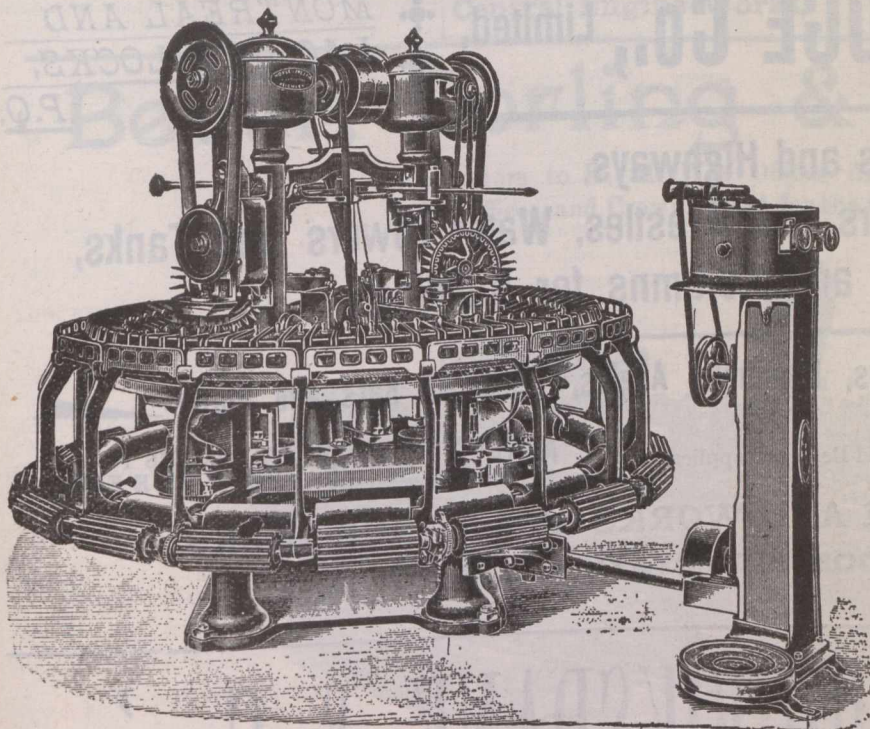
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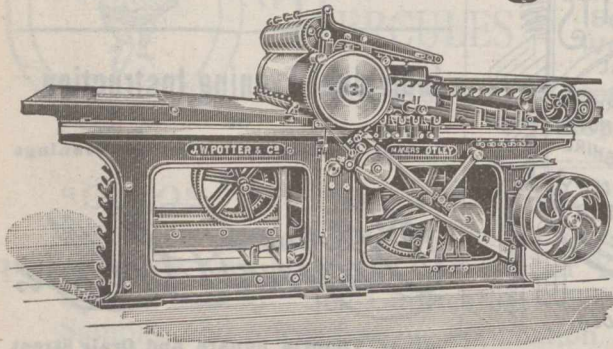
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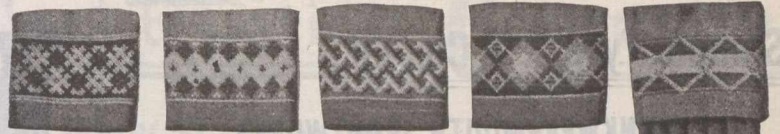
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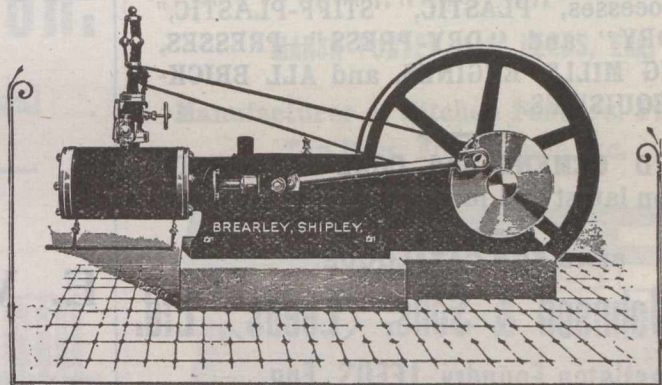
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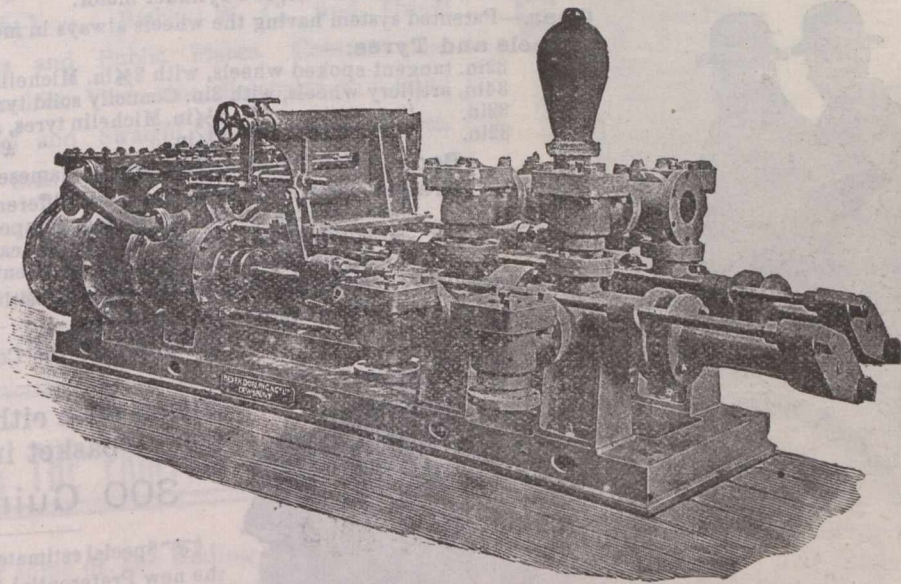
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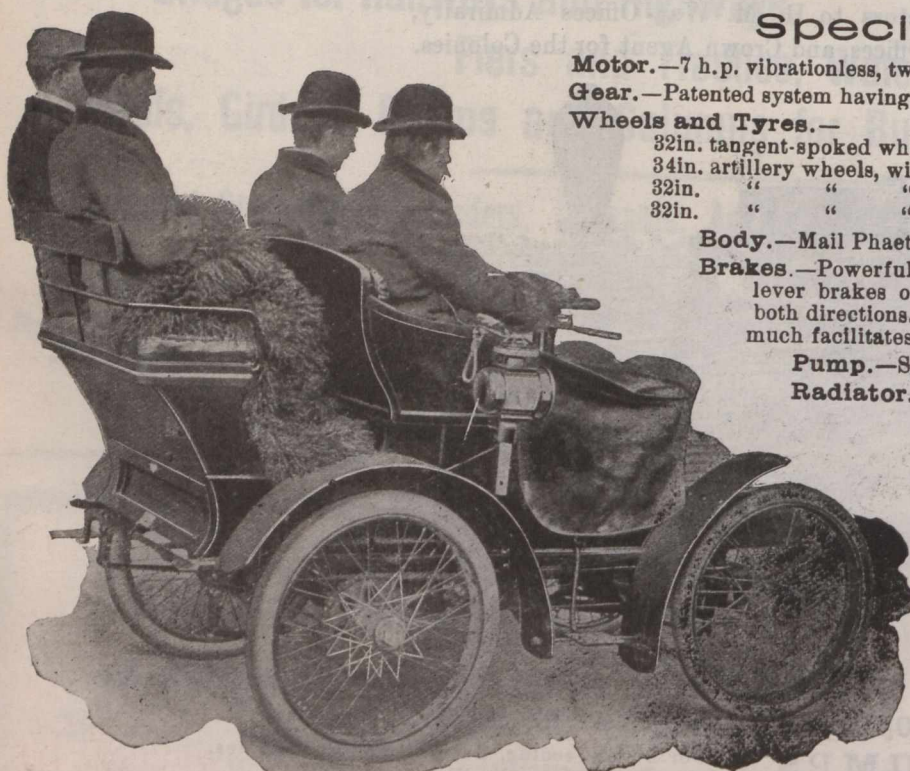
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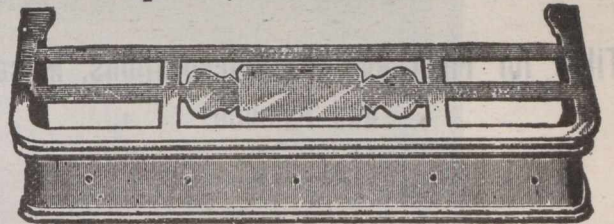
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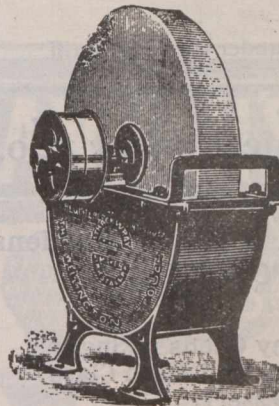
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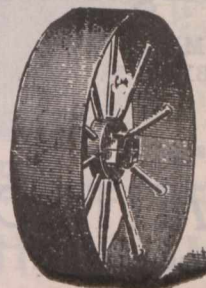


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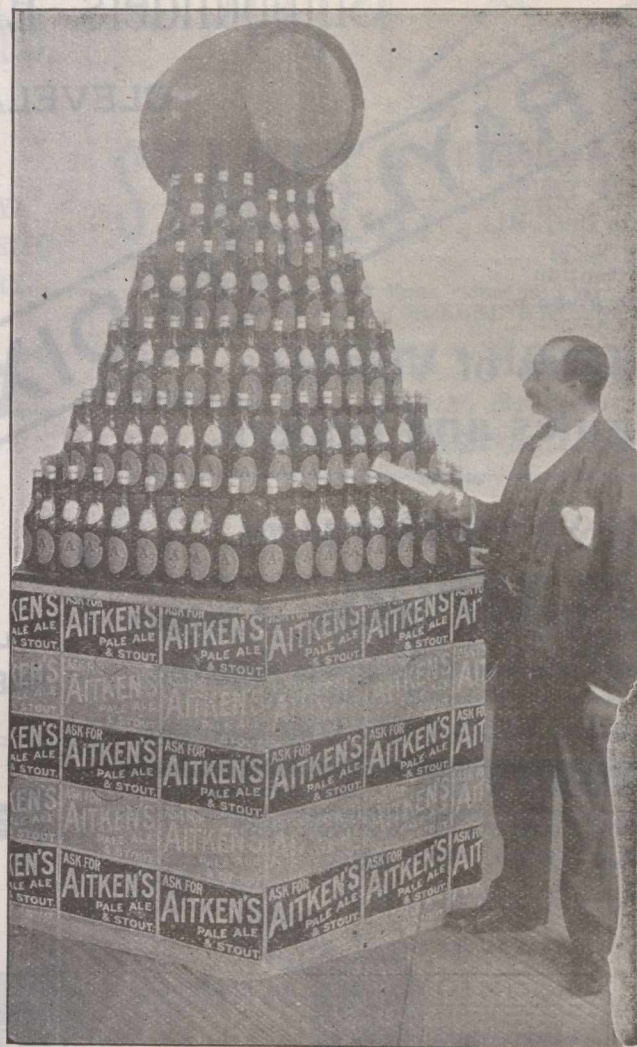
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MISCELLANEOUS COMPANIES.			
Canada Company	31	34	
Canada North-West Land Co.	6½	7½	
Hudson Bay	24½	25½	
BANKS.			
Bank of British North America.	65	67	
" Montreal.	530	550	
Canadian Bank of Commerce.	14½	15½	



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200
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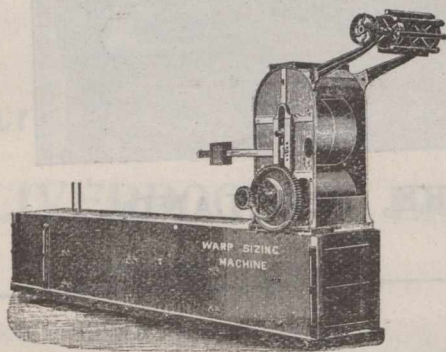
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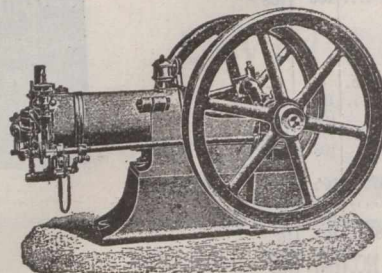
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LEADING FEATURES:

Simplicity with Economy.
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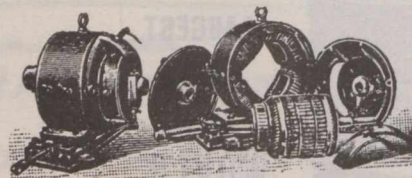
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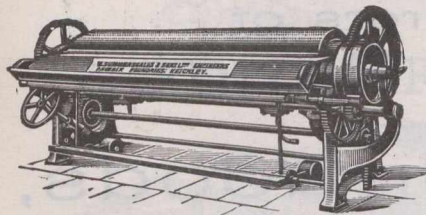
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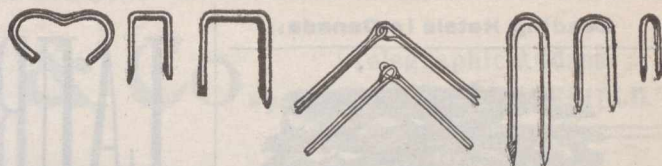
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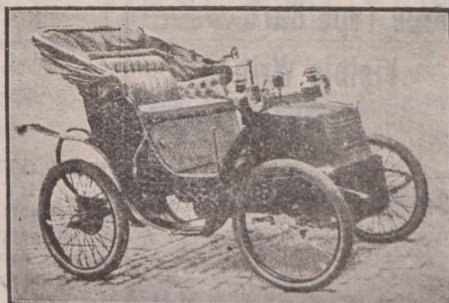
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Machine Specialists for Folding Box Makers
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Specialities:—Wellington Box Covering and Topping Machines.
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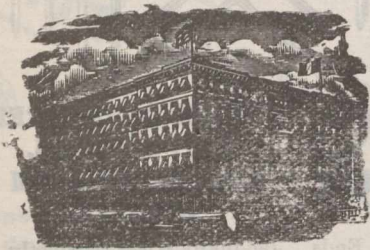
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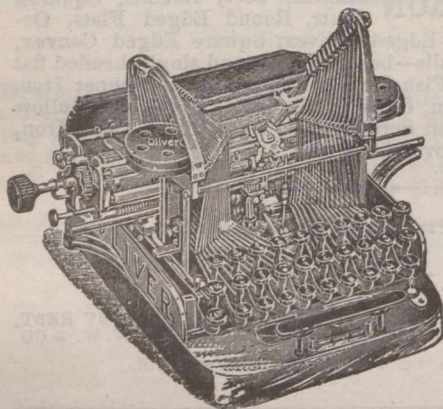
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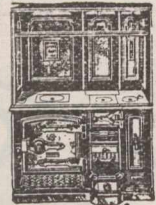
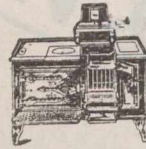
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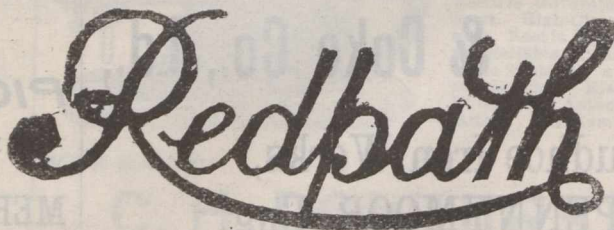
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LUMP SUGAR, in 50 and 100 lb. boxes.

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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 5 lb. each.

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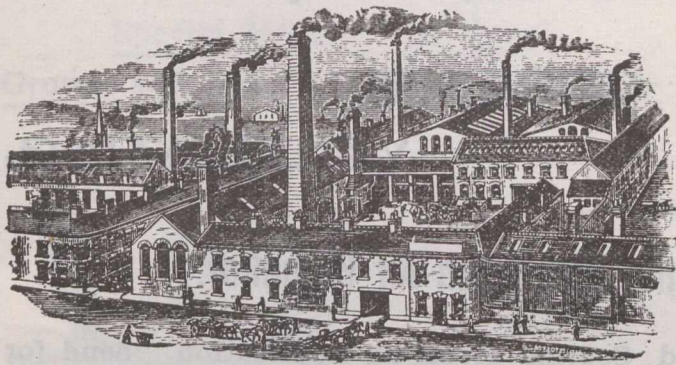


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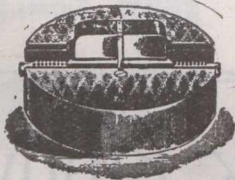
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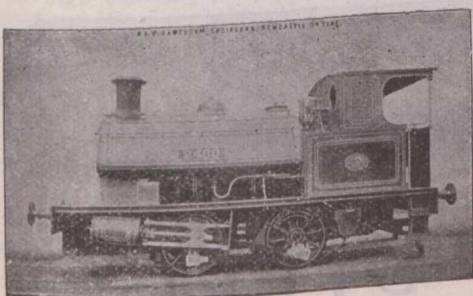
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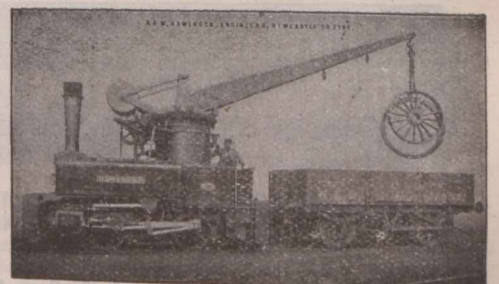


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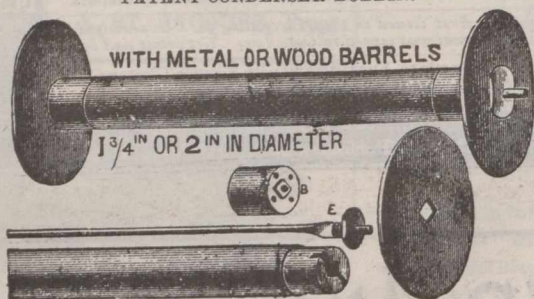
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PATENT CONDENSER BOBBIN.



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.

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Manufacturers
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LATHES and Planing Tools, Milling Cutters, Screwing Tackle, Shear Blades, Punching
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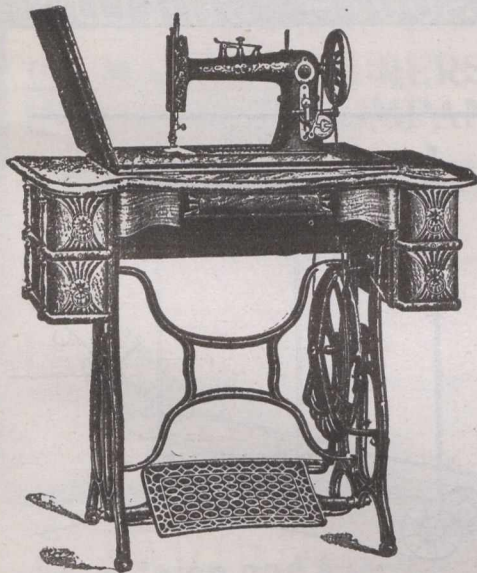
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CRUCIBLE CAST STEEL
FOR ALL PURPOSES.

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



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



FOR JOINTS

METALLIC PACKING.

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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.
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THESE RINGS MANUFACTURED IN BRASS COPPER GUN METAL & STEEL

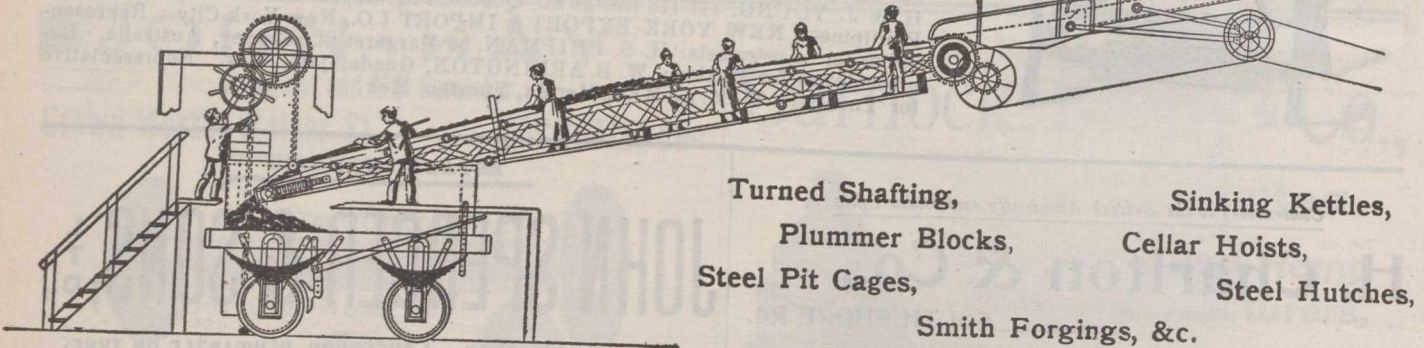
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Iron and Steel Roofing, Coal Screening Plant,
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Turned Shafting,
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WRIGHT'S CELEBRATED NAVY BISCUITS.

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Capital and Assets - - - - \$2,149,055.92
 Surplus to Policyholders - - - 1,025,317.85
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MOST DESIRABLE POLICY CONTRACTS.

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HEAD OFFICE, - - - TORONTO,

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

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The Mutual Life INSURANCE COMPANY

OF NEW YORK.

RICHARD A. McCURDY, President.

STATEMENT FOR THE YEAR ENDING DECEMBER 31st, 1896

Assets, - \$184,935,690.80

Reserve on Policies (American Table, 4 p.c.).....	\$168,221,916
Liabilities other than Reserve	1,623,951
Surplus.....	15,089,822
Receipts from all sources	41,958,145
Payments to Policy holders.....	20,885,472
Whole Life Risks assumed and renewed, 219,308 policies	637,720,276
Risks in force: 273,213 policies, amounting to.....	801,867,478

NOTE.—The above statement shows a large increase over the business of 89 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

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FAYETTE BROWN, Manager, MONTREAL.

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

Fire risks accepted on most every description of insurable property.

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 Of Edinburgh, Scotland.

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 (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	\$ 3,977,263.83
Cash Income.....	1,005,970.55
Net Surplus.....	500,192.29
Insurance in Force.....	25,575,142.00

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

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

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

OILS.

The IMPERIAL OIL COMPANY, Ltd.

—REFINERS AND MANUFACTURERS OF—

CANADIAN PETROLEUM PRODUCTS,
 Under New Patent Process

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

Refineries: SARNIA and PETROLIA, Ont.

Branches:

MONTREAL, P.Q. ST. JOHN, N.B. HALIFAX, N.S. WINNIPEG, Man.,
 VANCOUVER, B.C.

—SELLING AGENTS FOR PROVINCE OF ONTARIO—

The QUEEN CITY OIL COMPANY, Limited,
 Head Office: TORONTO, Ont.

Branches: OTTAWA, HAMILTON, LONDON, KINGSTON, and other Stations in
 Province of Ontario.

NEW YORK LIFE

INSURANCE COMPANY.

JOHN A. McCALL, President.

Gain in Insurance in force 1900
\$140,000,000

AN UNPARALLELED RECORD.

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

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

R. HOPE ATKINSON.

AGENCY DIRECTOR,

Company's Building, MONTREAL

J. DUNCAN DAVISON

Imperial Bdg. 107 St. James Street,
Montreal.

COMMISSIONER

For Following Provinces:

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

LIVERPOOL & LONDON & GLOBE

INSURANCE COMPANY.

Available Assets, - - \$61,187,215
Funds Invested in Canada, - \$3,300,000

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

Canada Board of Directors:

A. F. GAULT, Chairman.
WENTWORTH J. BUCHANAN, Deputy Chairman.
SAML. FINLEY, E. S. CLOUSTON.
HON. SIR ALEXANDRE LACOSTE, K.C.M.G.
G. F. C. SMITH, Resident Secretary.

Head Office, Canada Branch:

MONTREAL.

THE WATERLOO MUTUAL

Fire Insurance Company.

Established in 1863. Head Office, Waterloo, Ont.

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

GEORGE RANDALL, Esq., President; JOHN SHUB,
Esq., Vice President; Frank Haight, Esq., Manager;
John Killer, Esq., Inspector.

UNCONDITIONAL POLICIES

ARE ISSUED
BY THE . . .

CONFEDERATION LIFE ASSOCIATION.

Cash Values,
Extended Insurance,
Paid up Policies,
GUARANTEED.

Full information sent on application.

H. J. JOHNSTON,

Prov. Manager,

174 ST. JAMES ST.,
MONTREAL.

W. C. MACDONALD,
Actuary.

J. K. MACDONALD.

Managing Director.

Head Office, - TORONTO.

LIFE INSURANCE ANNOUNCEMENT.

JANUARY, 1902.

The rapidly increasing business of THE ROYAL-VICTORIA LIFE INSURANCE CO., requiring larger Head Office accommodation, the Company will occupy its new offices on the second floor of the Royal Insurance Building, Place d'Armes Square, on the 1st of May next.

The new business issued in 1901, shows an increase of 33 per cent. over the previous year.

Head Office,
MONTREAL.

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

B. S. & W. WHITELEY

Press
Paper
Manufacturers,

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

WESTERN ASSURANCE COMPANY.

FIRE AND MARINE. Incorporated 1851.

Assets, over \$2,925,000.00
Annual Income, 2,994,000.00

Head Office. - Toronto. Ont.

Hon. Geo. Cox, Pres. J. J. KENNY Vice-Pres. & Man.-Dir
C. C. FOSTER, Secretary.

Montreal Branch, - - 189 ST. JAMES STREET.

ROBT. BICKERDIKE, Manager.

ROUTH & CHARLTON, City Agents.

THE IMPERIAL INSURANCE COMPANY LIMITED

FIRE.

LONDON.

ESTABLISHED 1808.

SUBSCRIBED CAPITAL, \$5,000,000
PAID-UP CAPITAL, 1,500,000
TOTAL INVESTED FUNDS OVER 8,000,000

Canadian Branch:

COMPANY'S BUILDING, PLACE D'ARMES, MONTREAL.
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.