

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 7.
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MONTREAL, FRIDAY, FEBRUARY 14, 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.

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 The steam railway service to the Falls has been replaced by an electric railway service.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

ROOFING AND ASPHALTING
 OF EVERY DESCRIPTION.
 Metal Cornices, Skylights, &c.,
 Cement and Tile Floors,
 Cement Washtubs
 &c.
 CANADIAN AGENTS:
 Boston Hot Blast Heating, and Pneumatic System of conveying Mill Stock.
GEO. W. REED & CO.,
 MONTREAL.

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,
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 Berlin, Germany.
 Manufacturers of Aniline, Colors and other Coal Tar Products.

The following Brands
 Manufactured by
THE American Tobacco Co.
 OF CANADA, Limited,
 Are sold by all the Leading Wholesale
 Houses
CUT TOBACCOS.
 Old Chum,
 Seal of North Carolina,
 Old Gold.
CIGARETTES
 Richmond Straight Cut,
 Sweet Caporal,
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**Destructors and
 Boiler Furnaces.**
HORSFALL DESTRUCTOR CO.,
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 Canadians can purchase these furnaces under the new Canadian Tariff, 33 1/2 p. c. cheaper than any other Country.

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**HATS
 CAPS
 AND FURS**
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**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.
 Mark Fisher, Sons & Co.,
 VICTORIA SQ., - MONTREAL

**BLACK DIAMOND
 FILE WORKS.**
 EST. 1863. INC. 1895.
 TRADE MARK
 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.
Almonte, Ont. Perth, Ont. Elsie Bay N. S.
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Brantford, " Picton, " Sydney, N.S.
Brockville, " Sarnia, " Calgary, Alta.
Chatham, " Stratford, " Lethbridge, Alta.
Cornwall, " St. Mary's, " Regina, Ass'n.
Deseronto, " Toronto, " Winnipeg, Man.
Ft. William, " "Yonge st. br. Greenwood, B.C.
Goderich, " Wallaceburg, " Nelson, B. C.
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Lindsay, " Chatham, N.B. ter, B.C.
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Ottawa, " Moncton, N.B. Vancouver, B. C.
" " St. John, N.B. Vernon, "
" Amherst, N.S. Victoria, "

IN NEWFOUNDLAND:

St. John's, Nfld., Bank of Montreal.

IN GREAT BRITAIN:

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

IN THE UNITED STATES:

New York—R. Y. Hedden and J. M. Greata, Agents, 59 Wall Street.
Chicago—Bank of Montreal, J. W. de C. O'Grady, manager.

BANKERS IN GREAT BRITAIN:

London—The Bank of England.
"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:

New York—The National City Bank.
"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.
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Robert Reford, Esq., Charles Stuart, Esq.,
William George Gooderham, Esq.

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

BRANCHES:

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

BANKERS:

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

The Chartered Banks.

THE BANK OF BRITISH NORTH AMERICA.

Established in 1836.

Incorporated by Royal Charter in 1840.

Paid-up Capital, - \$1,000,000 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,
Toronto, Fredericton, Victoria,
Kingston, Yukon District, Vancouver,
Midland, Dawson City, Rossland,
Ottawa, Winnipeg, Man. Kaslo.

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

Agents in the United States.

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

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

THE MOLSONS BANK.

Incorporated by Act of Parliament, 1855.

HEAD OFFICE: MONTREAL.

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

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

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

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

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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, - \$3,000,000
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.
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Maitland, N.S. Vancouver, East End, B.C.
Moncton, N.B. Victoria, B.C.
Montreal, Que. Westmount, P.Q.
Montreal, West End. Weymouth, N.S.
Nanaimo, B.C. Woodstock, N.B.
Nelson, B.C.

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

CORRESPONDENTS:

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

THE WESTERN BANK OF CANADA.

HEAD OFFICE: OSHTAWA, ONT.

Capital Authorized, - \$1,000,000
Capital Subscribed, - 800,000
Capital Paid-up, - 401,300
Reserve, - 124,000

BOARD OF DIRECTORS:

John Cowan, Esq., - President.
Reuben S. Hamlin, Esq., Vice-President.
W. F. Cowan, Esq., W. F. Allan, Esq.,
Robert McIntosh, M.D., J. A. Gibson, Esq.,
Thomas Patterson, Esq.

T. H. McMillan, - Cashier.

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

THE ONTARIO BANK.

Capital subscribed - \$1,500,000.00
Capital Paid-up - 1,393,000.00
Rest - 200,000.00
Profit and Loss Account - 16,996.04

HEAD OFFICE: TORONTO.

DIRECTORS:

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

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

AGENTS:

London, Eng.—Parr's Bank, Limited.
France and Europe—Credit Lyonnais.
New York—Fourth National Bank 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
 Rest, - - - 2,000,000

DIRECTORS:
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ROBERT KILGOUR, Esq., Vice-President.
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 John Hoskin, Esq., K.C., LL.D.,
 Matthew Coggat, Esq., J. W. Flavelle, Esq.,
 Frederic Nicholls, L. Melvin Jones,
 A. Kingman, Esq.

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J. H. PLUMMER, Asst General Manager.
A. H. Ireland, Chief Insp'r and Supt. of Branches.

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 Belleville Dunnville Paris Strathroy
 Berlin Fort Frances Parkhill Toronto
 Blenheim Galt Peterboro Toronto Jc.
 Brantford Goderich Port Perry Walkerton
 Cayuga Guelph St. Cath'rins Walkerville
 Chatham Hamilton Sarnia Waterloo
 Collingwood London St. Ste. Marie 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.

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

Bankers in Great Britain:
 The Bank of Scotland, London; Lloyds Bank,
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 Germany—Deutsche Bank, Holland—Disconto
 Maatschappij, Rotterdam. Belgium—J. Matthieu
 & Fils, Brussels. Mexico—Banco de Londres y
 Mexico. West Indies—Bank of Nova Scotia, King-
 ston, Jamaica; Colonial Bank and Branches,
 Bermuda—Bank of B. muda, Hamilton. South
 America—British Bank of South America, London
 and Brazilian Bank. India, China and Japan—
 Chartered Bank of India, Australia & China. South
 Africa—Standard Bank of South Africa, Limited.
 Bank of Africa, Limited, Australia & New Zea-
 land—Union Bank of Australia, Limited; Bank
 of Australasia. Honolulu—First National Bank
 of Hawaii, Bishop & Co.

Traders Bank of Canada

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

Board of Directors:
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John Drynan, Esq., Vice-President.
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 Toronto. Guelph.
J. H. BEATTY, Esq., of Thorold.
W. J. SHEPPARD, Waubesaehene.

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

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

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

BANQUE D'HOCHELAGA.

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

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R. BICKERDIKE, M.P.P. Vice-Pres.
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 and Alphonse Turcotte, Esq.,
M. J. A. PRENDERGAST, Gen'l Manager
C. A. GIROUX, 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. 1756 " "
 Louiseville, P.Q. 2317 Notre Dame "
 Sherbrooke, P.Q. Hochelaga, "

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 Bank, Importers & Traders' National Bank, Merchs
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 M.M. Heidelbach, Ickelheimer & Co., M.M. Kountze
 Brothers, New York. Third National Bank, Inter-
 national Trust Co., National Bank of Redemption,
 National Bank of the Commonwealth, Boston.
 National Live Stock Bank, Illinois Trust and Sav-
 ings Bank, Chicago. The Clydesdale Bank (Lim-
 ited), Credit Lyonnais de Paris, Credit Industriel &
 Commercial, Comptoir National d'Escompte de
 Paris, London, Eng. Credit Lyonnais, Societe
 Generale, Credit Industriel & Commercial, Com-
 ptoir National d'Escompte de Paris, Paris, France,
 Credit Lyonnais, Brussels, Belgium. Deutsche
 Bank, Berlin, Germany. Banque Imp. Royale &
 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.....\$1,998,750
 RESERVE FUND.....1,500,000

HEAD OFFICE - HAMILTON,

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

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 Berlin, Indian Hd., n.w.t. Pilot Mound,
 Blyth, Jarvis, Man.
 Brandon, Man. Listowel, Plum Coulee, M.
 Carman, Man. Lucknow, Port Elgin.
 Chesley, Manitou, Man Port Rowan,
 Delhi, Milton, Simcoe,
 Dundalk, Mitchell, Southampton,
 Dundas, Moose Jaw, Stonewall, M.,
 Georgetown, N W T Toronto,
 Gorrrie, Morden, Man. Vancover, 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. Bos-
 ton—International Trust Co. Buffalo—Marine
 Bank. Chicago—Union National Bank, Detroit—
 Detroit National Bank. Kansas City—National
 Bank of Commerce. St. Louis—National Bank of
 Commerce.**

THE DOMINION BANK

Capital, \$2,500,000 | Reserve Fund, \$2,100,000

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

HEAD OFFICE, TORONTO.
**Branches:—Brampton, Belleville, Cobourg,
 Gravenhurst, Guelph, Huntsville, Lindsay, Nap-
 anee, Oshawa, Orillia, Seaforth, Uxbridge, Whitby,
 Toronto, Queen St. W. cor. Esher; Dundas St.,
 cor. Queen; Spadina Ave. cor. College St.; Sher-
 bourne 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. HENKLER, President.
Hon. M. H. COCHRANE, Vice-President.
 Israel Wood, J. N. Galer, N. W. Thomas,
 G. Stevens, C. E. Kathan, H. B. Brown, K.C.,
 J. S. Mitchell.

HEAD OFFICE, SHEERBROOKE, Que.
WM. FARWELL, General Manager.
Branches: Province of Quebec—Montreal, Water-
 loo, Cowansville, Rock Island, Costicook,
 Richmond, Granby, Huntingdon, Bedford, Magog,
 St. Hyacinthe, Ormstown, Windsor Mills, Pro-
 vince of B. C.—Grand Forks, Phoenix.
Agents in Canada, Bank of Montreal and 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. Frazer, John Mather,
David MacLaren, Denis Murph.

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

Branches: Ontario—Alexandria, Arnprior, Avon-
 omore, Bracebridge, Carleton Place, Cobden,
 Hawkesbury, Keewatin, Kemptville, Lanark, Mat-
 tawa, Ottawa, Wellington street, Bank street, Rideau
 St., Somerset street, Parry Sound, Pembroke, Rat-
 portage, Renfrew, Smith's Falls, Toronto, Vank-
 leek Hill, Winchester, Quebec—Granby, Hull, La
 chute, Montreal, Shawinigan Falls, Manitoba—
 Dauphin. Postage is 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, Massa-
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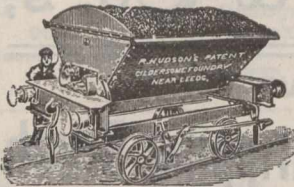
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Foundry, Gildersome
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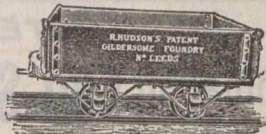
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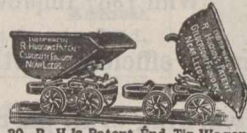
59—R. H.'s Patent 6-Ton Steel Double Side Tip Wagon, to work with ordinary Kly Wagons



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



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



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



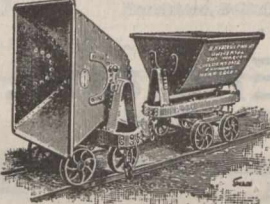
76—Hand Trolley, made to carry any weight or to suit any rail gauge.



70—R. H.'s Patent Steel Mining Wagon



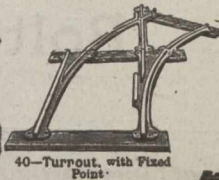
48—R. H.'s Patent Railway. In Delta, Rivers, or Loose Paths. Will last ten times as long as the ordinary kind. Guaranteed thoroughly satisfactory



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



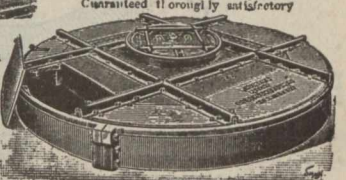
1—R. H.'s Patent Steel End Tip Wagon



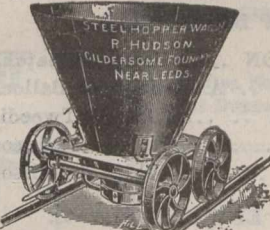
40—Turnout, with Fixed Point



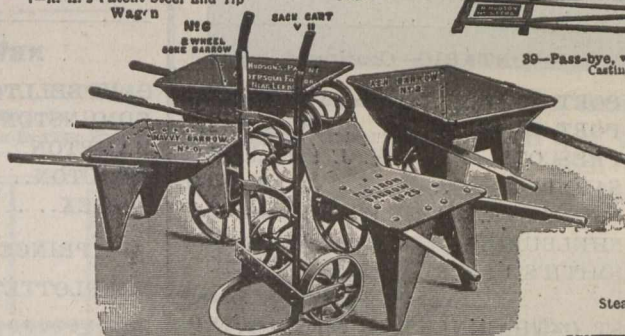
30—Pass-by, with Fixed Points Castings only



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



27—Hopper Wagon, with Slide Door



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



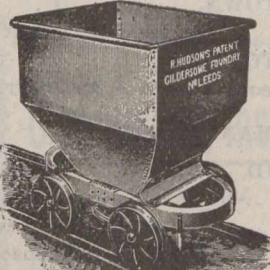
10—Left-hand Steel Points & Crossing



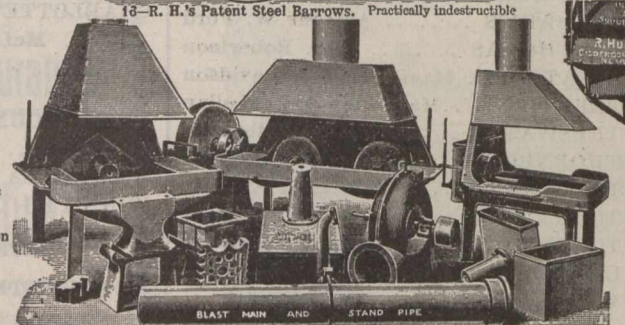
Steamship Barrow. Drawing V10



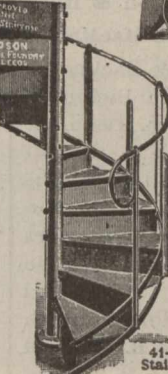
67—R. H.'s Improved Steel Ladder. Strong, very light, and durable



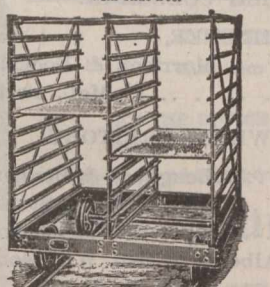
69—R. H.'s Improved Steel Hopper Wagon with Slide Door



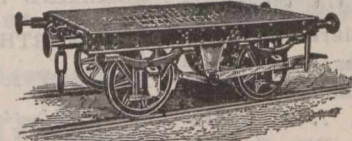
6—R. H.'s Patent Iron Smith's Hearths. No Brickwork required



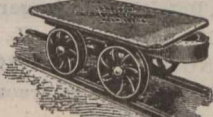
41—R. H.'s Patent Steel Staircases. Extremely light



68—Cake Drying Wagon



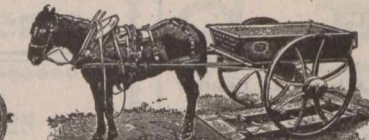
56—10-Ton Platform Railway Wagon



58—Steel Plate Bogie



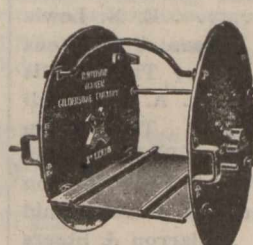
71—R. H.'s Improved Steel Tank Cart. 200 Gallons capacity



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



22—Two Tons Steel Plate Bogie. Practically indestructible.



78—Tippler for Mining Wagons



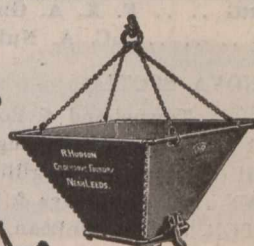
15—R. H.'s Improved Steel Cage, with Safety Grippers and Fallers complete



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



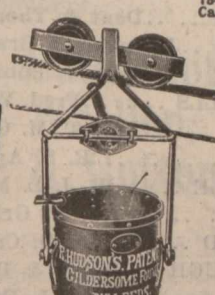
70—Foundry Fettling Box



57—Steel Coal Box with Drop Bottom



Self-righting Steel Tip Bucket, used with Patent Self-acting Catch if wanted



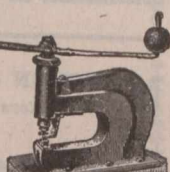
61—Rope Bucket, with R. H.'s Patent Catch for Wire Rope. For use on all types of hoists



42—Mining Kibbie with or without Pulley in back



4—Furnace Coal Wagon



33—Fly Punch



38—Foundry Ladle

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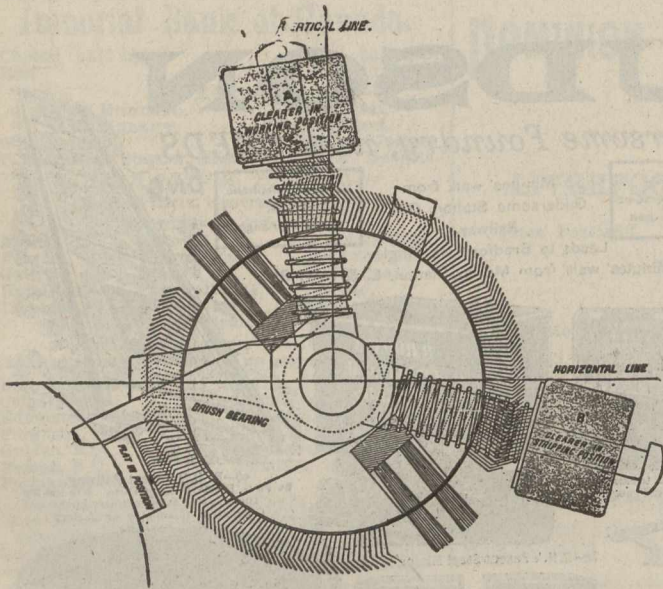
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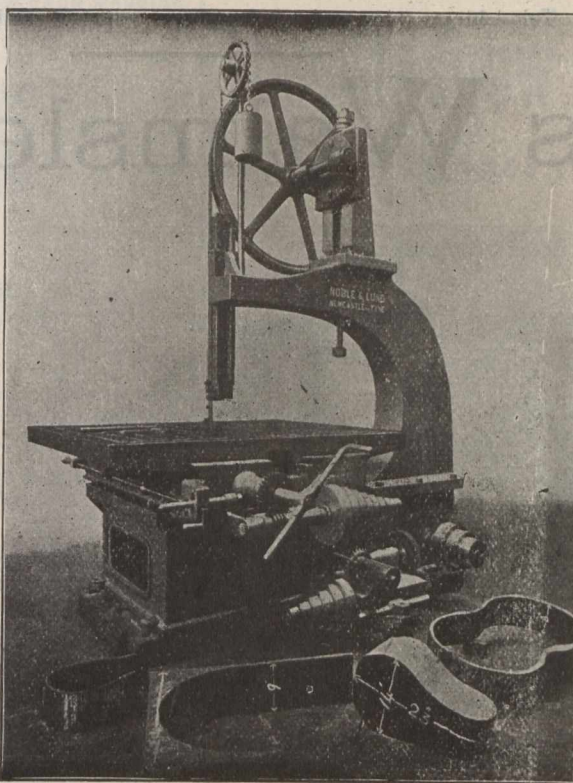
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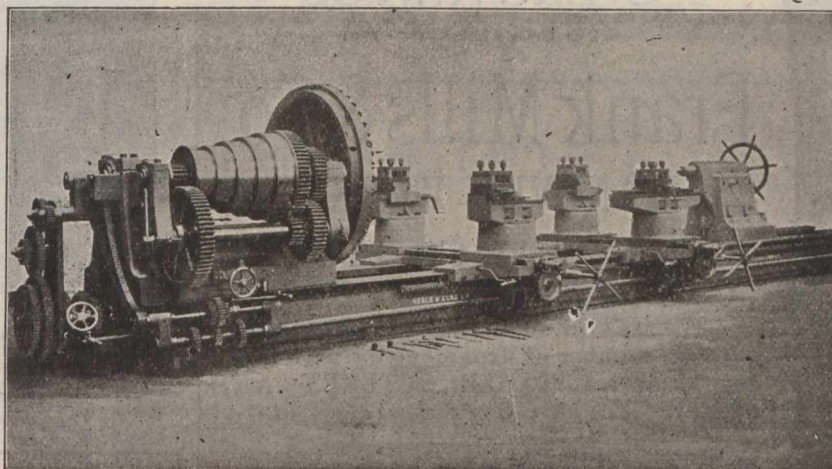
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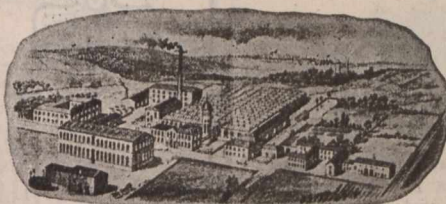
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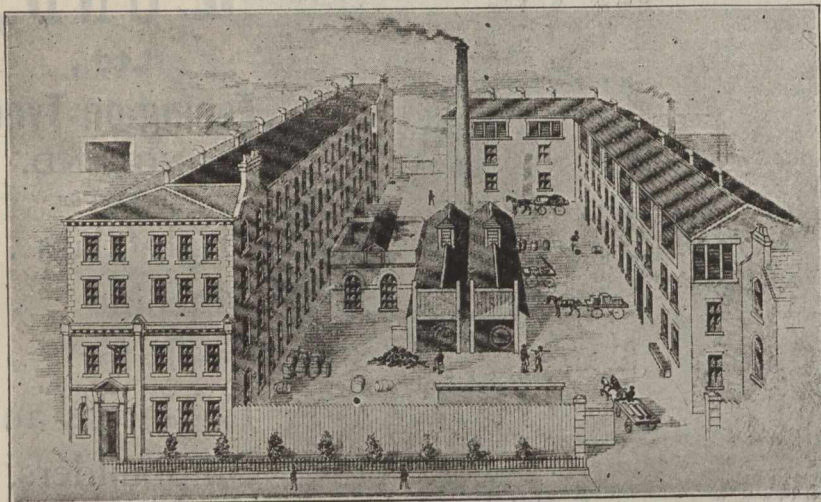
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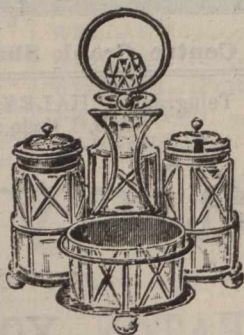
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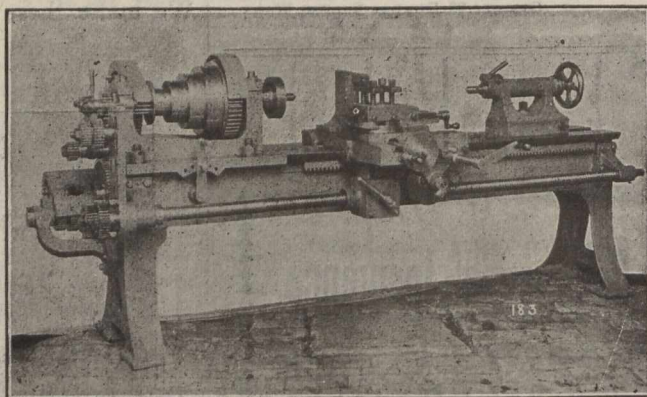
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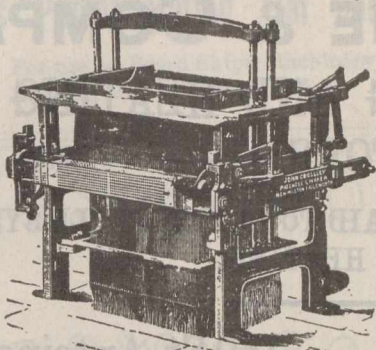
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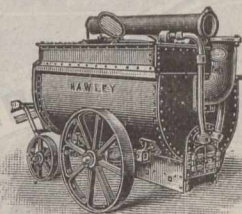
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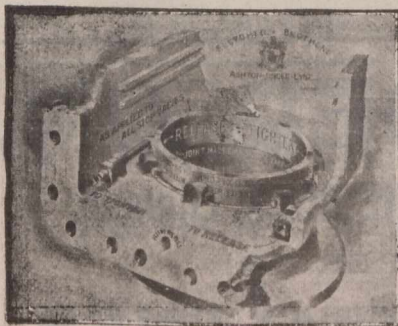
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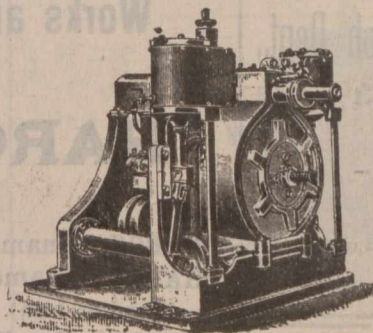
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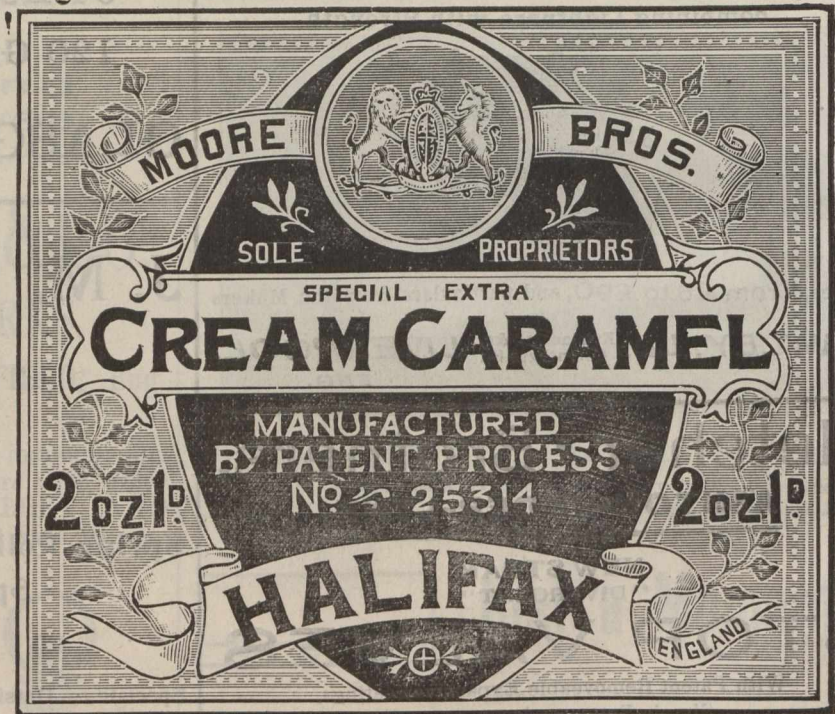
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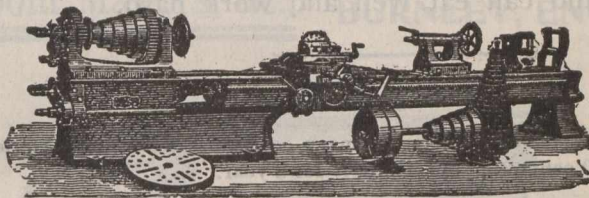
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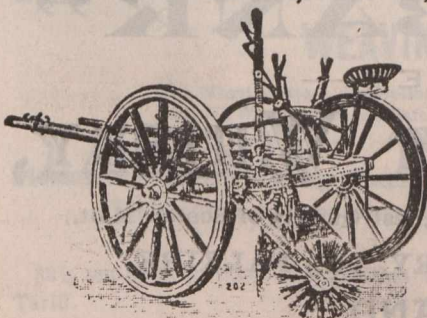
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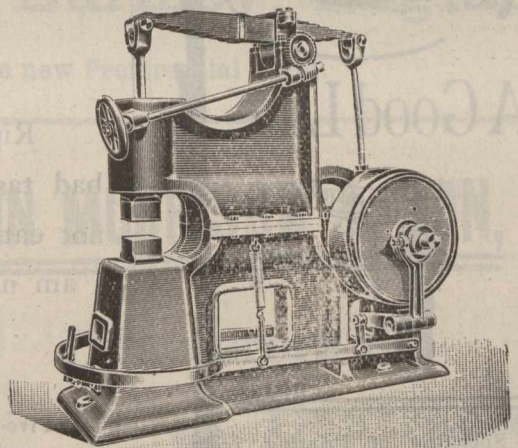
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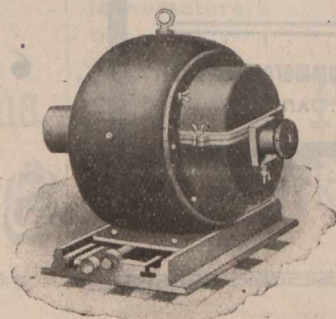
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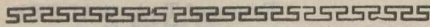
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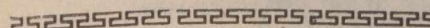
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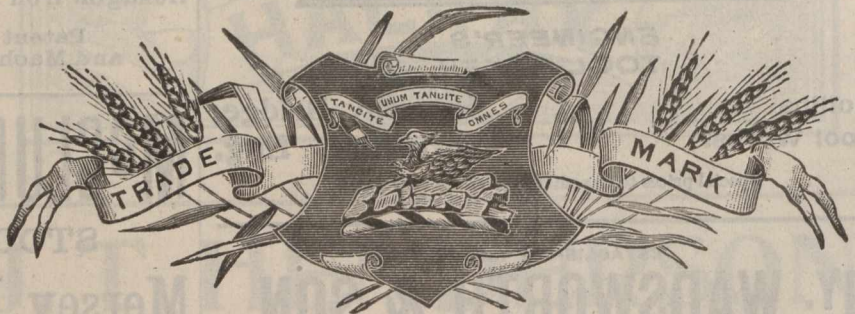
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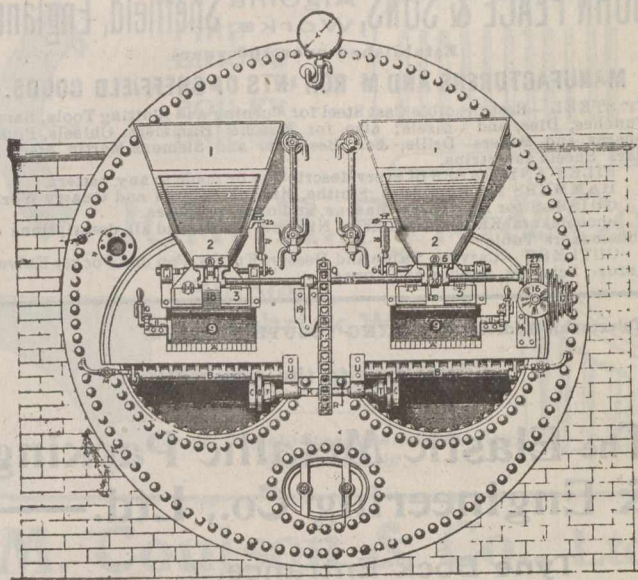
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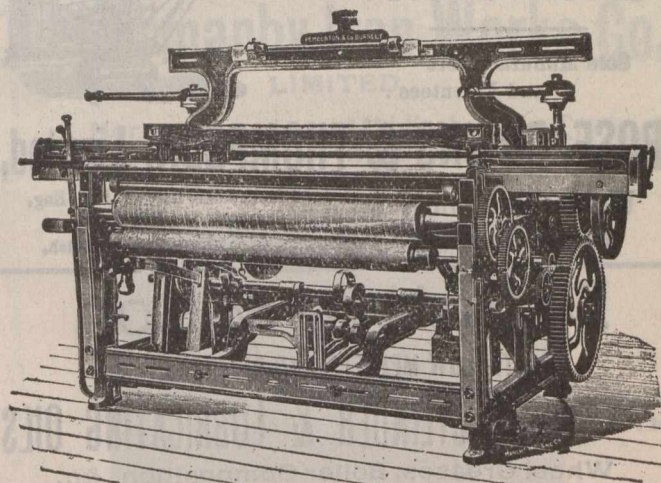
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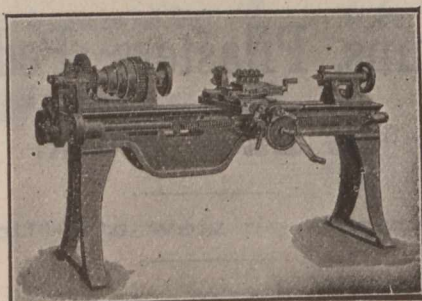
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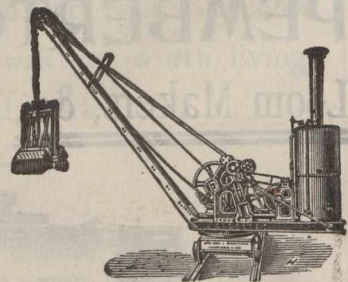
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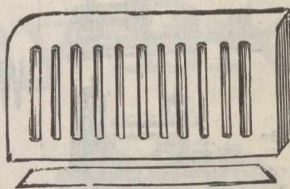
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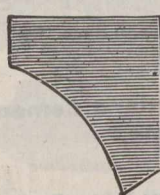
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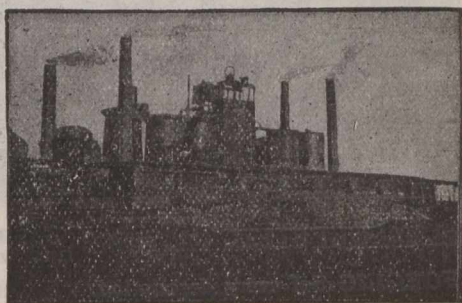
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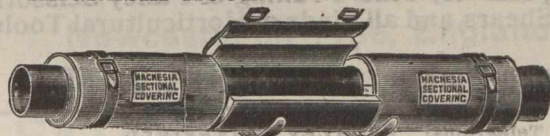
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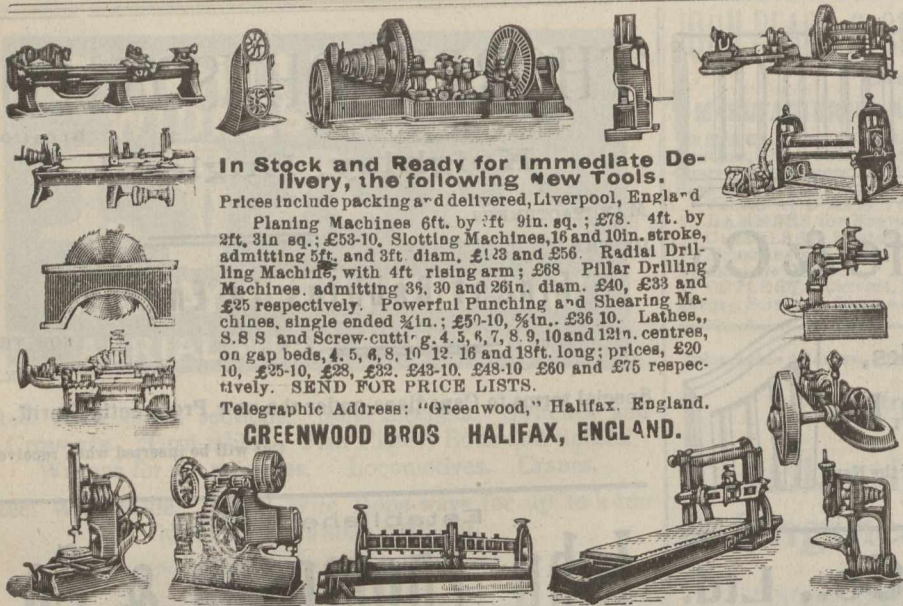
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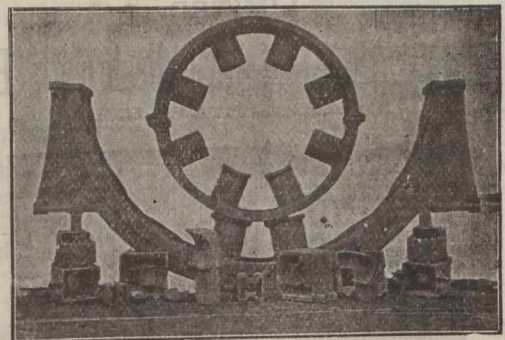


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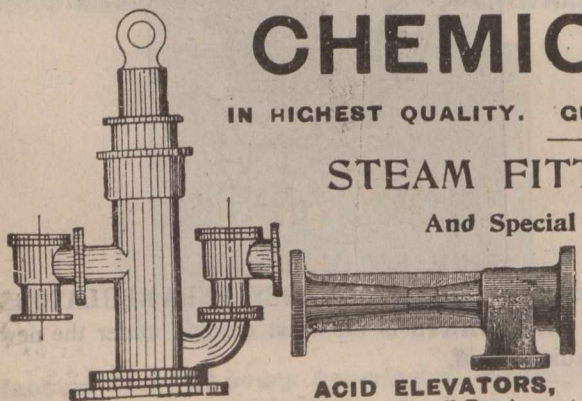
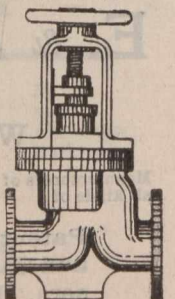
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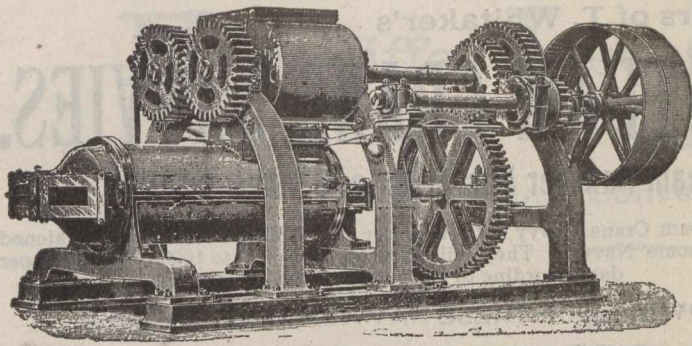
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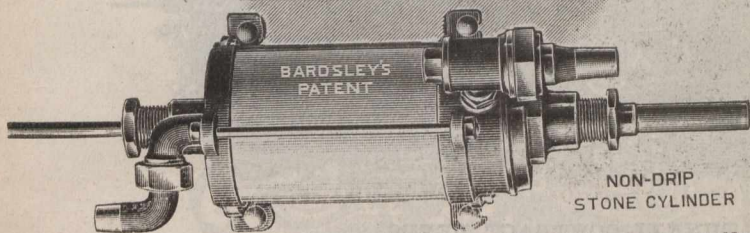
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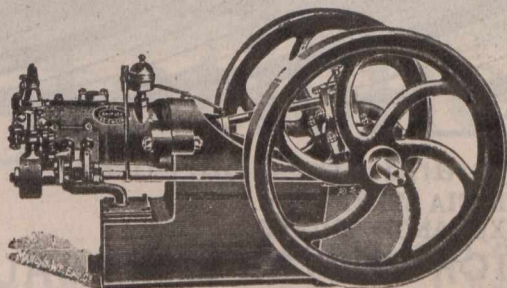
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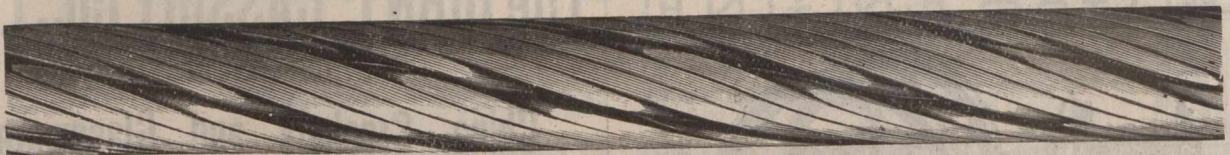
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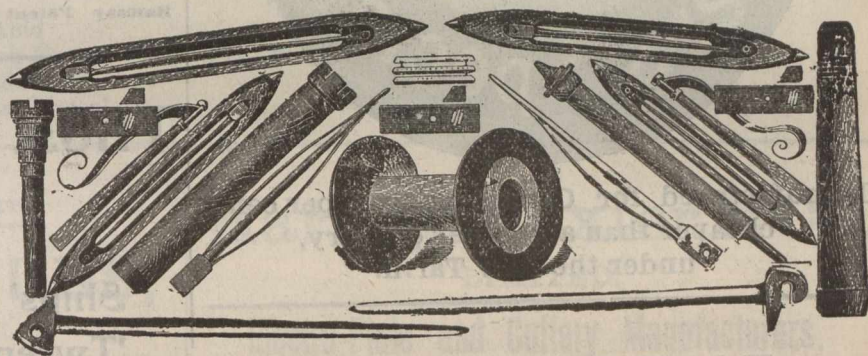
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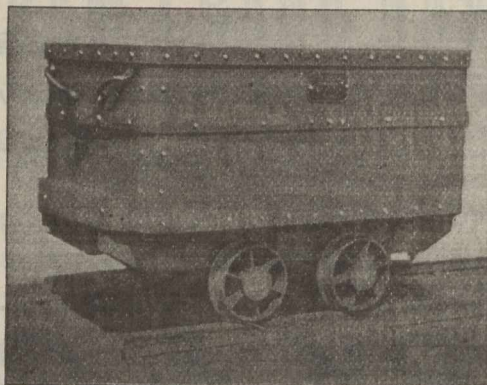
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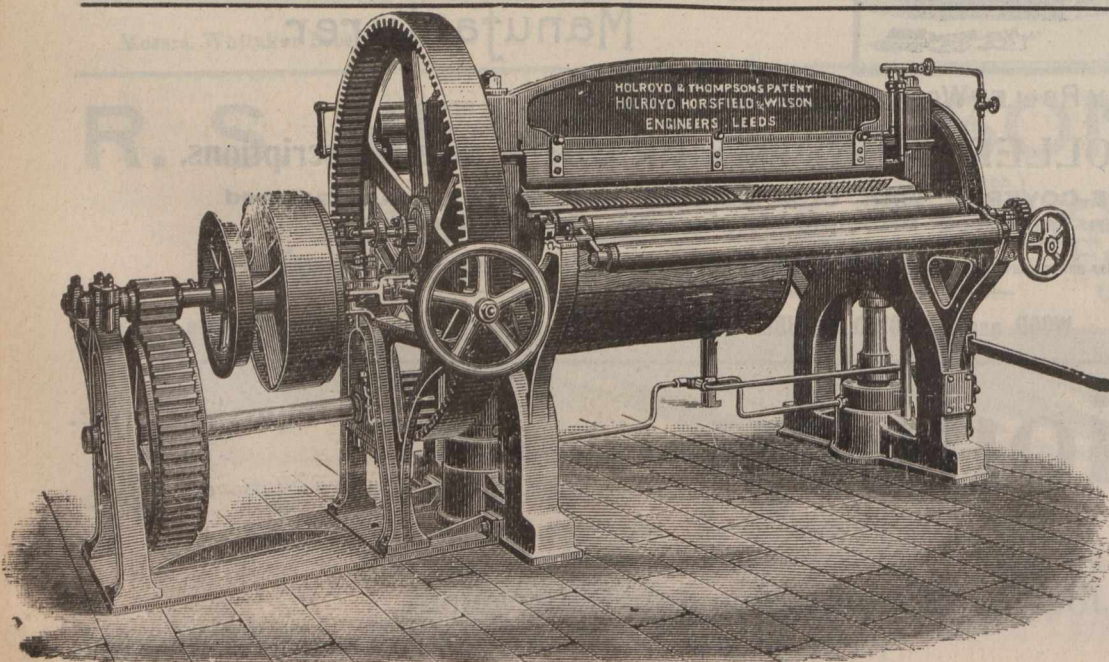
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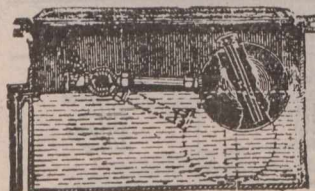
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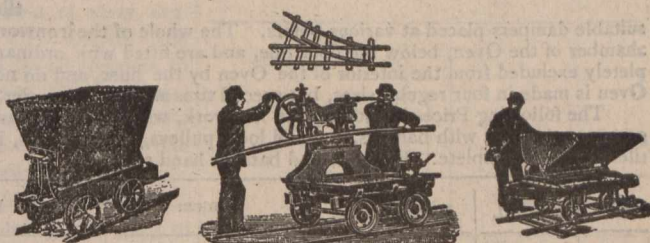
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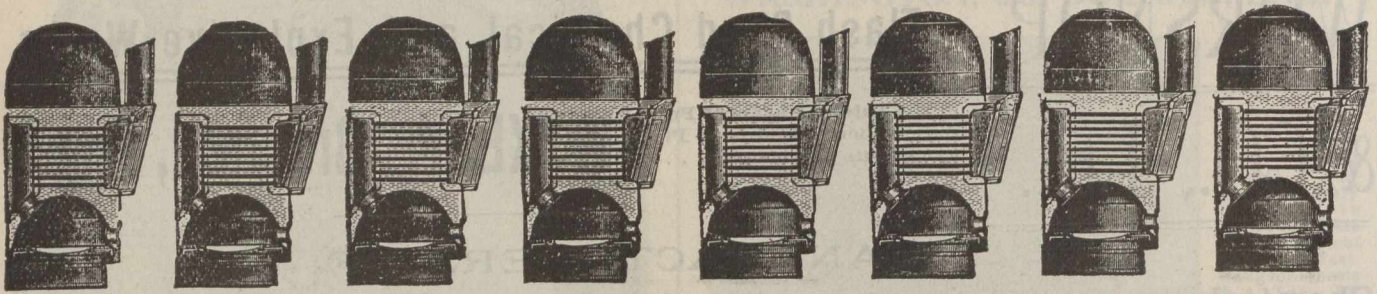
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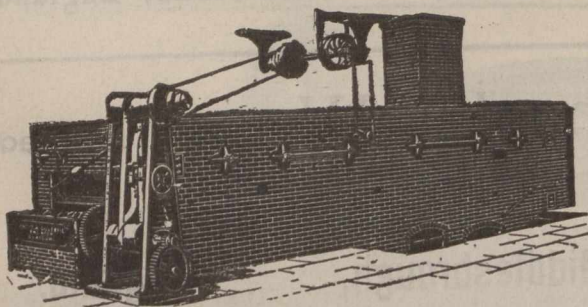
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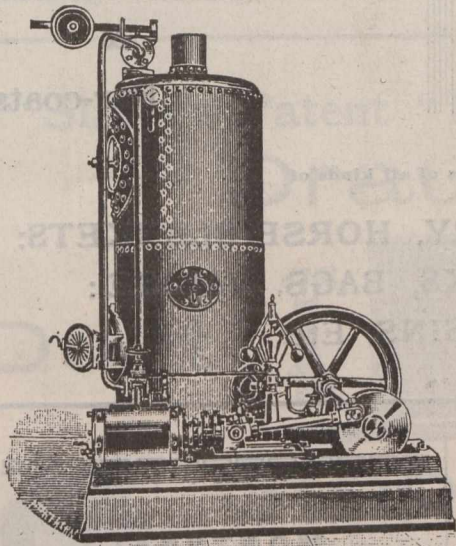
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3	36	4	9		36 "	10 3 "	8 6 "	240	
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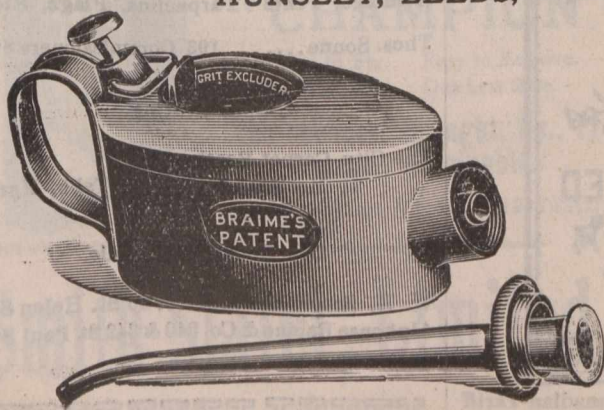
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Estimates

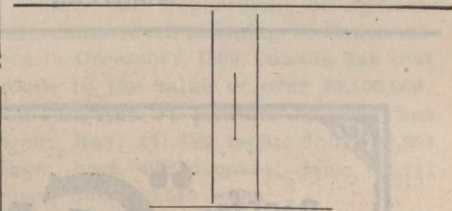
Given for Buildings of every Description, including Dwellings, Stores, and Hotel and Bar-room Fixtures.

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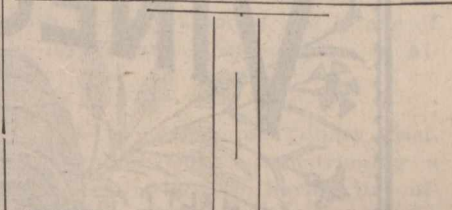
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JOURNAL OF COMMERCE



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The Canadian Colored Cotton Mills Co.,
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Milltown, Gibson Cotton Mill,
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Shirtings, Gingham, Ticks, Cottonades, Oxfords,
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THE PENMAN MANUFACTURING CO.,
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Mills at Paris, Thorold, Port Dover, Coaticook.
Ladies' and Gent's Wool and Cotton Underwear,
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WHOLESALE TRADE ONLY.

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Binders & Sheet Holders,

For Duplicate Invoices,
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Before ordering elsewhere.

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the appetite.

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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.

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SOLE REPRESENTATIVE FOR THE PROVINCE OF
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The Account, Audit & Assurance Co., Ltd.
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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.

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Special prices to Canadians under the New Tariff.

Telegrams: "UNITY, PADIHAM."

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MACHINISTS, IRON and BRASS FOUNDERS,

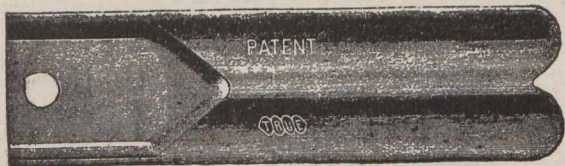
Patent Temple Makers and Patentees,

Guy Foundry, Padiham, Lancashire, England.

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

PATENT "TRUE" TEMPLE.

With Steel Cap and Patent Adjustable Roller Bearers.

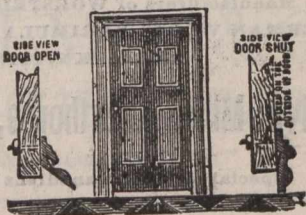


By far the best Roller Temple yet produced, and superseding Ring or Swiss Temples. Thousands are now in use and are giving the greatest satisfaction.

Station Works, - Padiham, England.

Slater's Patent "RELIABLE" Draught

Dust & Rain



Stopper

For the Bottom of Doors.

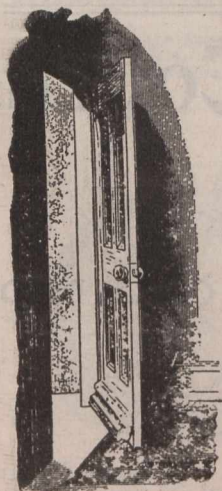
Stock Two sizes, and you can suit ANY WIDTH of Door. Cut in Two Minutes to any length

Also THE CHEAP
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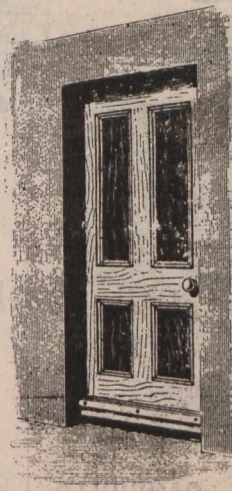
Easy to Fix. Easy to Remove.
Lowest Price. Quickest Sale.

The Cheapest Draught, &c., Preventer Obtainable.

BEST DISCOUNT TO THE TRADE.



Door with Preventer, OPEN.



Door with Preventer, SHUT.

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

Commercial Summary.

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

—The United States Senate has appropriated \$2,500,000 for a postoffice in New York.

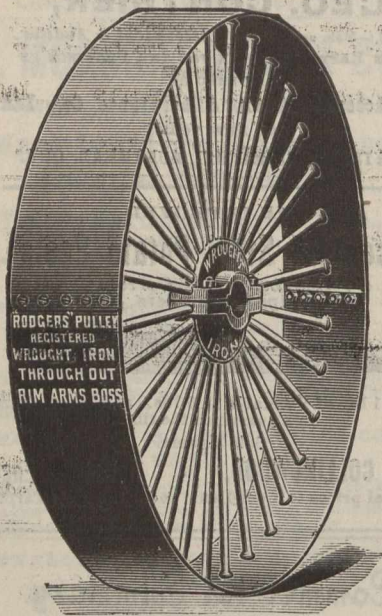
—The steamer Ask, the first boat of the new Canada-Jamaica Line, which left Kingston, Jamaica, on Jan. 25, arrived recently at St. John, N.B.

—The Dominion Steamship Line, which by a contract with the Grand Trunk transferred its vessels to Portland last summer, has, we are informed, decided to restore them to the Montreal route.

—Since the Department of Agriculture commenced shipping to South Africa in December, 1899, Canada has sent goods to the value of over \$5,500,000. The amount of produce shipped has been: Hay, 141,852 tons; flour, 54,284 bags; beef, 40,776 cases; jams, 11,743 cases, oats, 99,515 bags.

—Bar V. ranch, formerly owned by the North West Cattle Co., has been purchased by G. Lane of Calgary and Messrs. Gordon, Ironsides & Fares. The deal involved in cattle, horses, land, and improvements over \$200,000. The ranch is finely situated and is one of the largest and most complete in Alberta.

—The Township of Tilbury East, Kent County, Ont., is constructing a drain, costing \$60,000, having its outlet in Lake St. Clair. It is asking for Government aid, under the Drainage Act of 1900. The township has already spent \$750,000 in reclaiming submerged lands, the area affected being over 25,000 acres.



'RODGERS' PULLEYS'

(REGISTERED.)

WROUGHT IRON THROUGHOUT:—RIM, ARMS AND BOSS.

THE ONLY PULLEY MADE WITH A WROUGHT IRON BOSS.

Split or Solid.

All Sizes up to 24 feet Diameter.

140,000 IN USE.

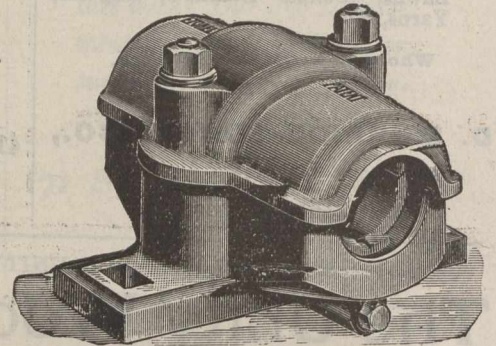
The Best Pulley in the World.

Pamphlets, Drawings and Prices Forwarded on application.

The "NON-DRIP" Shaft Bearing.

(ETCHELL'S PATENT.)

Self Swivelling. Self Lubricating. No Drip Cups Required.



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SOLE MAKERS:

HUDSWELL, CLARKE & CO., Ltd.

RAILWAY FOUNDRY.

(Telegraphic Address: "LOCO," Leeds.)

LEEDS, ENGLAND.

—The stock of Hoodless and Son, Hamilton, was put up at auction last week for the assignee, C. S. Scott. The best offer was 33 cents on the dollar, and it was not accepted.

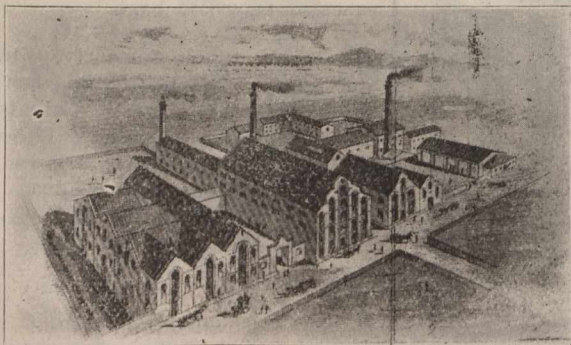
—The postoffice authorities will introduce in the Ottawa office a quick stamping machine, capable of stamping 10,000 letters per hour. One in use at Toronto has given satisfaction.

—The British War Secretary, Mr. Brodwick, said that the number of horses purchased during the Boer war totalled 446,088, of which 77,101 came from the United States, and 11,364 from Canada. In addition, about 89,705 horses had been captured in South Africa.

—The imports into Great Britain during the month of January were valued at £70,131,348, an increase over the

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.

Sole Makers of the Celebrated

CABLE



RUG WOOL

(REGISTERED)

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

Bective Mills, Alverthorpe, Wakefield, England.

Special terms to Canadians under the new tariff.

SLADE & Co., Ltd.

THE ROYAL TOFFY WORKS,

LEEDS, ENGLAND.

Manufacturers of the finest

HOME MADE TOFFY.

33½ 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.

"CASTLE" DYNAMOS

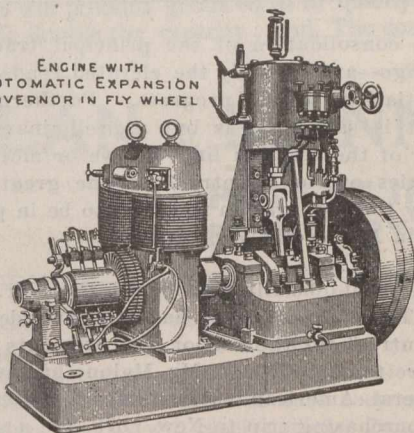
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SHIP LIGHTING

SLOW SPEED. HIGH EFFICIENCY.

SLOW SPEED COUPLED DIRECT SYSTEM

ENGINE WITH AUTOMATIC EXPANSION GOVERNOR IN FLY WHEEL



"OPEN FRONTED" ENGINE AND "CASTLE" DYNAMO.

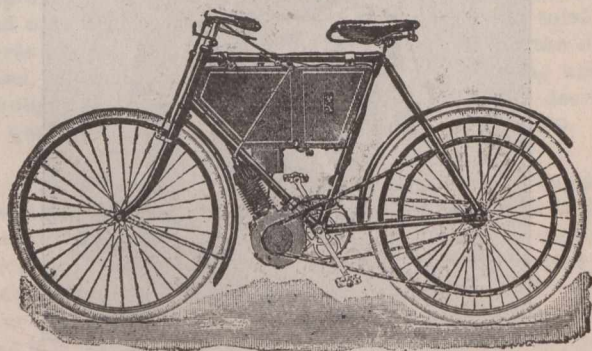
J. H. HOLMES & CO.,
NEWCASTLE-ON-TYNE, ENGLAND.

Telegrams : "HOLMES, NEWCASTLE-ON-TYNE."

ESTABLISHED 1887.

Telegrams:—"PNEUMATIC, Leeds."

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



THE IMPERIAL MOTOR BICYCLE,

MANUFACTURED BY THE

LEEDS MOTOR EXPERTS,

WALKER BROS., "PRIMO" WORKS,

Meanwood Road, LEEDS, Eng.

previous month of £4,143,832. The exports during the same period amounted to £24,254,574, a decrease from the preceding month of £493,957.

—Ottawa advices state that the Hon. James Sutherland is gathering all the information he can from those conversant with the navigation of the St. Lawrence, with a view of improving the route. He has already decided to build a lighthouse at Cape Traverse, which will cost about \$75,000.

—At the meeting of directors of the Richelieu and Ontario Navigation Company, held some days ago, it was decided to issue new stock to the extent of \$625,000. Of this sum \$500,000 will go to paying for the new steamer Montreal, launched recently at Toronto, while the balance will be utilized in improving the company's docks.

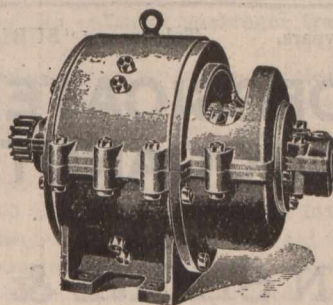
—The full text of the treaty between the United States and Denmark for the cession of the Danish West Indian Islands has been made public. The purchase price is given as \$5,000,000, and Denmark agrees to cede to the United States immediately the islands of St. Thomas, St. John, and St. Croix. Residents may preserve their allegiance to the Crown of Denmark by making a declaration before a court of record within two years from the date of the exchange of ratifications of the convention.

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.

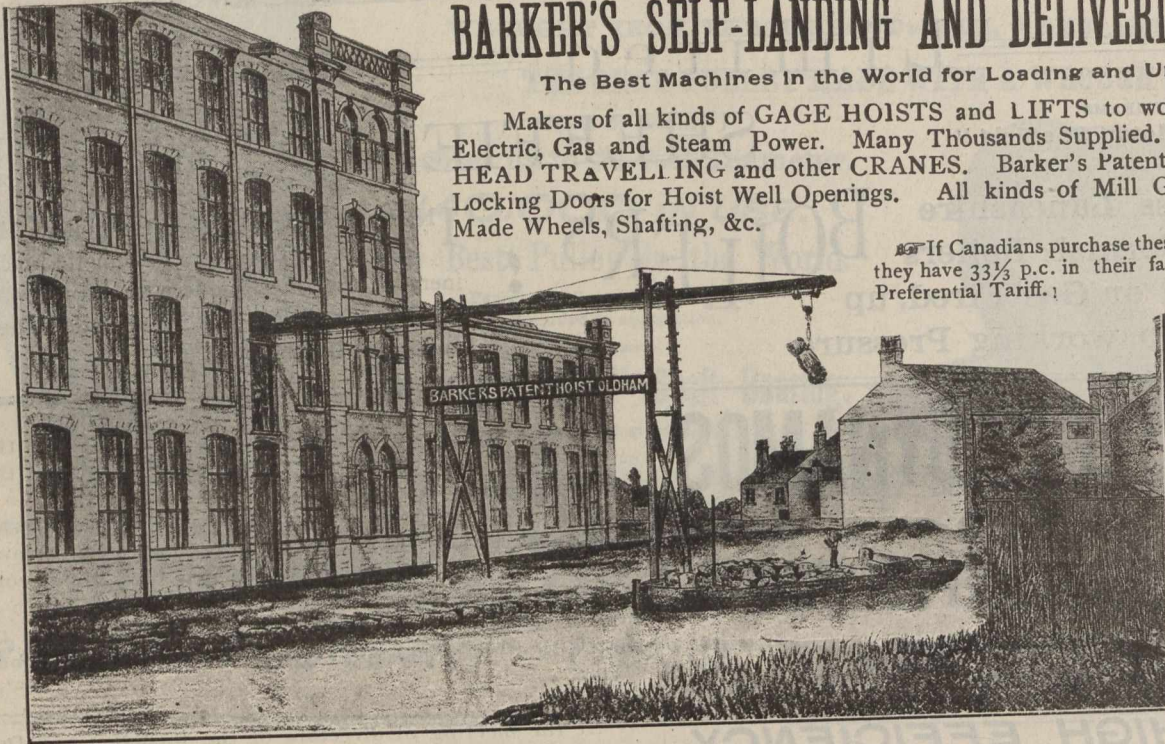
Original Inventors, Patentees and Sole Makers of

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 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.

—At a recent meeting of the directors of the Hochelaga Bank it was decided to increase the capital stock by \$500,000. The issue will be offered to the shareholders on the 28th instant, at 125, on the basis of one new share for three of the original. The capital of the institution will thereby be increased from \$1,000,000 to \$1,500,000, with a reserve of \$1,000,000.

—From Melbourne, Australia, we learn that the Federal House of Representatives has confirmed the clause in the tariff bill, imposing an excise duty on grape-spirit of 11 shillings, and has raised the excise duty on barley, malt, molasses and maize-spirit to 12s 6d. Other spirits will pay a duty of 13 shillings. The import duty remains at 14 shillings.

—The consolidation of the principal traction interests of Chicago—and possibly the elevated roads—is the object of negotiations now in progress. Furthermore, it is probable, it is said, that is but a preliminary step to the merging of the traction lines of five or more of the principal cities of the country into one great combination, probably the corporation reported to be in process of formation in New York.

—It is semi-officially announced that Mr. Thomas Malone of Three Rivers, Que., has been awarded the Government contract for the harbor improvements at that point, which are to cost \$750,000. Mr. Malone has associated with him several American capitalists and recently returned from a purchasing trip to New York, for a suction dredge having a capacity of 60,000 yards per day, and a modern pile driver. The work will be commenced at the opening of navigation.

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.

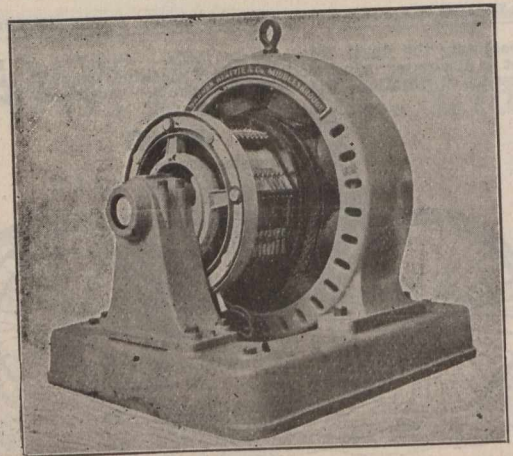
DESSICATED COCOANUT.

JOHN SHORE & SON,
39 Old Hall St.,

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

LIVERPOOL, Eng.

TELEGRAMS:—"Install," Middlesbrough.



30 KILOWATT DYNAMO.

Warren, Beattie & Co., ELECTRIC POWER ENGINEERS.

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

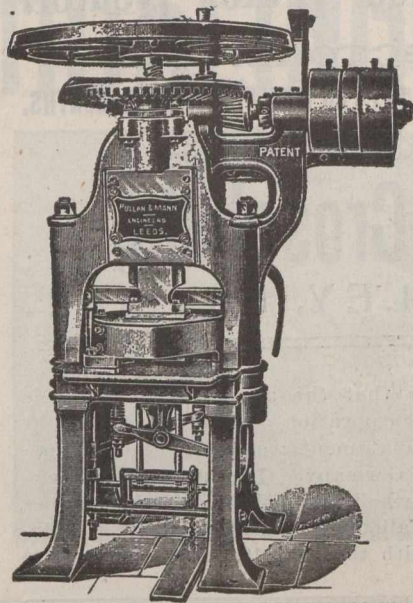
MIDDLESBROUGH, England,

Telegraphic Address:—"GAMBRIAN, LEEDS."

Telephone—No. 1232.

Titley's Patent Screw, Brick & Tile Press,

WITH PULLAN & MANN'S LATEST PATENT POWER GEAR,
REVERSING AND STOPPING MOTIONS.



Saves Hand Labour. Also produces Ornamental Bricks and Tiles.
Capacity, 5,000 to 6,000 per day. Approx. Weight, 30 cwt.

This illustration represents our well-known **TITLEY PRESS** fitted with our Latest Patent Power Gear, Reversing and Stop Motions, and our Patent Expanding Mould for Pressing SAND FACED BRICKS.

The Mould is simple in construction, having no flapping sides or loose joint; to get out of order. It opens and closes automatically, and can be readily cleaned. The power gear stops and starts the Press, the momentum of the Fly Wheel striking the blow as hitherto, but an Automatic Reversing Motion has been added which obviates the reversing by the attendant.

We have retained the Titley Patent Double Quick Action Screw and Phosphor Bronze Nuts which have proved so successful in the past for producing a really first-class brick.

The illustration shows a Sand Faced Mould, but it will be understood that this Press (as hitherto) is specially adapted for GLAZED BRICKS, HIGH-CLASS FACING BRICKS, AND ALL KINDS OF ORNAMENTAL BRICKS AND TILES up to 15 in. and 18 in. square.

This press will produce goods equal in quality to a Hand Press, and its advantages over hand pressing are:—
1st, Nearly double the capacity; 2nd, The cost of one or two men turning wheel; 3rd, Uniform pressure each stroke.

PULLAN & MANN, Cambrian Works, Elland Road, Leeds, England,

**PATENT IMPROVED BRICK, TILE
and SANITARY PIPE MACHINERY, &c.**

—It is expected that the organization of the Corn Products Company, which has been incorporated at Trenton, N.J., with \$80,000,000 capital, will be completed by March 1. All the details, it is stated, will have been completed, and stockholders shortly will receive official circulars stating the terms of the deal. The company will own the National Starch Company, the Glucose Sugar Refining Company, the Pope Glucose Company, and the Illinois Sugar Refining Company. It will also own a large but minority interest in the New York Glucose Company.

—A recent London cable reads: The Board of Trade returns for January confirm recent rumours that large stocks of sugar have been imported in anticipation of the forthcoming budget. Imports of sugar for the month aggregated 5,540,434 cwt., or about double the quantity imported in January, 1901. Raw cotton, maize, wheat and oats also contributed to the increase in the total imports for the month of £4,143,832. Exports on the other hand, showed a decrease of £498,857. This was almost wholly due to the fall in the price of coal, the decrease in quantity being 32,641 tons, and in value £521,000.

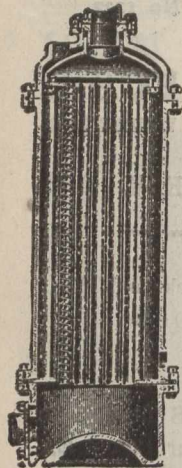
—The Department of Agriculture has issued a pamphlet prepared by Prof. Harrison of the Agricultural College, dealing with yeast and its household use. In its introduction it states: "In the process of bread-making the management and control of the yeast, and its fermentation is usually the least understood part of the operation; and it is owing to mistakes in its treatment that the greater number of failures in bread-making are due. No manipulation of the flour or dough will compensate for weak or badly prepared yeast. The other factors of uncertainty in bread-making consist chiefly of insufficient care in kneading and the difference in the quality of flours."

—The Minister of Militia has received a letter from Lord Strathcona enclosing reports from British military

officials testifying to the efficiency, durability and suitability of the Canadian light waggons used in South Africa by Strathcona's Horse for transport purposes. One of the reports from the officer commanding the 24th company army service corps is dated October 11th, 1901, and says, in part: "The Canadian waggons are very good ones. They have stood the wear and tear of the campaign perhaps better than any other pattern. The Canadian waggons in South Africa have earned for themselves a good reputation."

—While waiting for a fast Atlantic steamship service Canada will this coming summer show to the world what can be done in transcontinental travel. For the past three years the Canadian Pacific Railway Imperial Limited trains, which made the journey across the continent in 100 hours, have been substituted for the regular Atlantic and Pacific express during the summer months. Next June, however, the present daily service will be maintained, and in addition, the Imperial Limited will run three times a week between Montreal and Vancouver, the time being cut down to 97 hours. The double service is necessitated by the development of tourist travel as well as the rapid growth of the ordinary passenger traffic.

—Marconi may have more in his wireless idea than he has communicated to the world. It is to be hoped he has. A Milan dispatch announces that the Corriera Della Sera prints an interview with Mr. Marconi, held in London, in which he is quoted as saying that he was prepared to pay £100 to any one who could interrupt or read one of his wireless messages. He said he intended to commence operations by cutting the trans-Atlantic cable rates in one-half, and would afterwards reduce the rates for short distance land service. He left Italy because he could not get the necessary financial support there. He could only find in England and America the capital required for his experiments, which alone cost £200,000. The



The "Airedale" Exhaust Steam

Special prices to Canadians under the New Tariff.

Green's Patent.

Pressure Feed Water Heater.

WITH SPIRAL DEFLECTORS.

THE MOST EFFICIENT HEATER ON THE MARKET.

WILL PAY FOR ITSELF IN TWELVE MONTHS.

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

JOHN BARRETT, Eastburn Foundry Crosshills,

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

KEIGHLEY, England.

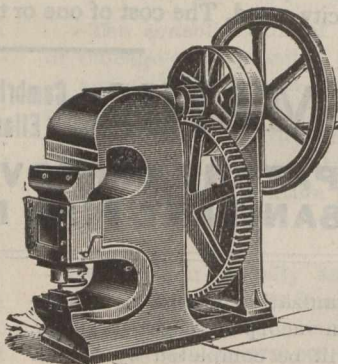
Marconi Company had made a contract with Great Britain for the installation of its wireless system on naval vessels for fifteen years at £10,000 per year.

—The United Steamship Company's new 10,000-ton vessel Oscar II. will, according to a Copenhagen dispatch, start on her maiden trip to New York in the early part of March. Two other 10,000-ton steamers have been ordered on the Clyde for the same service. The steamer Oscar II. is built entirely of steel, and is 515 feet long, 58 feet wide, and 42 feet deep from the upper deck to the keel. She is illuminated by 675 electric lights, has two propellers, and is driven by two triple-expansion engines of 8,000-horse power. It is expected she will cover the distance between New York and the Scandinavian ports in eleven days.

—Maritime Provinces.—The St. John Council has adopted the resolution exempting from taxation for ten years the mills of the Cornwall and York Mfg. Company provided the mills are operated eight months in each year, and that all taxes and rates standing against the property be remitted. The resolution was read by the clerk, and Ald. Armstrong moved the adoption of the report.—The University of New Brunswick Gymnasium has been destroyed by fire. The loss is about \$1,000 and insurance \$500.—A schooner of 125 tons register, the Coronation, was launched on the 4th instant, from the shipyard of Joseph McGill, Shelburne. She was built for A. F. Stone-man & Co., of Yarmouth, and is for the bank trawling fisheries. The Coronation is 75 feet keel, 24½ feet beam, 9½ feet hold, 110 feet over all. Her model is of modern design and she is specially constructed throughout, bottom copper fastened, and all iron fastenings galvanized.

—Berlin advices state that the annual report of the Trades Guild, the chief corporation of business men in the city, fully confirms the statements regarding the distressed condition of trade in Germany. It states the purchasing power of the people had diminished, and the number of workmen who had fallen out of employment was increasing. Compared with the year 1899-1900, the exports

HOW'RE YOU FIXED FOR PUNCHING and SHEARING MACHINES?



Single Ended Punching and Shearing Machines.

This one would do you good, and does not cost a fortune to own it. Our No. 4 latest is suitable for General Jobbing and Machine Shops, Blacksmiths, Fence Makers, Carriage and Waggon Builders, etc. Shears 4 x ½, and Punches ½ holes through ¾ Iron. Depth of Punch Gap, 9 in.; Depth of Shear Gap, 3 in. Fitted with Back Stand. Steel Pinion and Tumbler Stop Motion. Complete with Punch and Die. A First-class Machine. Packed and delivered free on board at Manchester or Liverpool, £33.

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

A. KINGHORN & CO.,

TODMORDEN, ENGLAND.

PHOENIX IRON WORKS,

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

BROWETT LINDLEY & CO. LTD.

Patricroft, Manchester England.

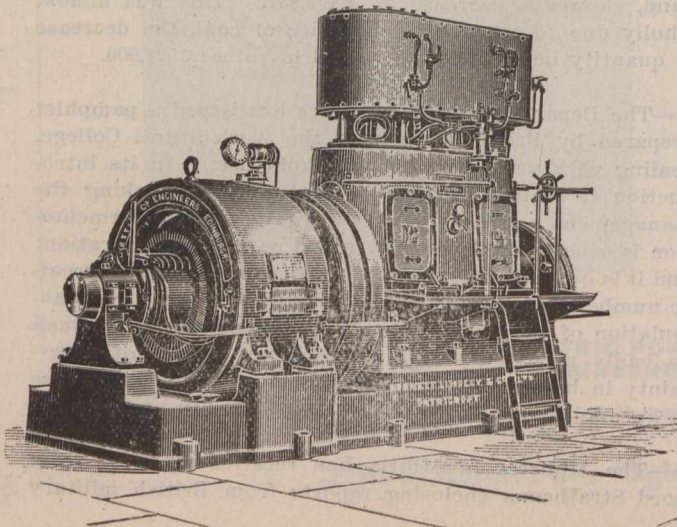
Manufacturers of High-Speed, Enclosed Type,

STEAM ENGINES.

For Driving Dynamos Direct.

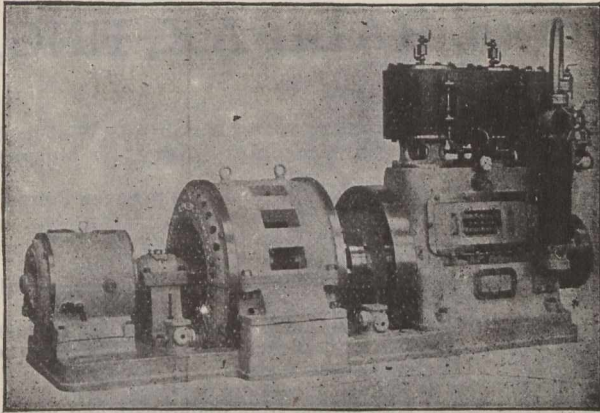
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from Germany have risen 470,000,000 marks (about \$188,000,000), but this is due to efforts to sell products to foreigners at any price, in consequence of there being no demand at home. The Frankfurter Zeitung says it is informed on good authority that Chancellor von Buelow in his last speech put a virtual ultimatum to the Agrarians, declaring that the allied Governments will not submit to the proposed increase in Customs duties. The Zeitung says, further, that in leading political circles the possibility of a collapse of the tariff is seriously entertained. There is an increased possibility that the new Reichstag will decide the fate of the tariff bill and the treaties.

—Paris advices state that Herr Wiegand, director of the North German Lloyd Company, at present in Paris, denies that his proposed visit to America has any connection with the organizers of the ocean trust. "Reports to that effect which have appeared in the American papers are absurd," said Herr Wiegand. "In any case the German companies would not be able to join the pool, since, like the French companies, they receive a Government subsidy, and are tending more and more to become Government institutions. In my opinion the proposed trust will not only prove the evil moral tendency of such organizations, but will also be a bad business move, placing several great Continental lines in an exceptionally favorable attitude toward the public." The president of the North German Lloyd Company, also in Paris, received the agents of several of the smaller European lines, who asked his advice relative to the formation of a counter-trust composed of the exclusive lines. The president declined to discuss the matter beyond declaring that such a step is "unnecessary, inadvisable, and impossible." An official of another trans-Atlantic company says he sees no danger in the trust, and is confident that it will prove a money-losing concern.

—Plans are being perfected, we learn from New York, for the consolidation of all the concerns in the U.S. that manufacture steel springs for railway equipments. The combination, which will be known as the Railway Steel Spring Company, will have a capital of \$20,000,000, equally divided into preferred and common stock. The preferred stock will have a preference to 7 per cent. cumulative dividends and also as to the distribution of assets. The companies to be acquired by the Trust will include the Detroit Steel & Spring Company, the A. French Spring Company, the National Spring Company, the Pickering Spring Company, Limited, the Charles Scott Spring Company, of Philadelphia, and the railway spring business of the Crucible Steel Company of America. It is announced that the greater part of the stock will be issued to the

owners of the concerns that are to be taken over, and the remainder has been subscribed for on the basis of one share of common for each \$100 cash paid in. The company will begin business with a working capital of \$1,500,000 in cash. All of the companies taken over have been doing a large and profitable business, and this will be increased by the absolute elimination of competition and by the economies that will be effected by consolidation.

—The ordinary revenue of the Dominion for the six months ending Jan. 31 amounted to \$32,545,486, as against an expenditure of \$26,272,153, showing a surplus of \$6,273,333. A capital expenditure of \$7,515,351 must be placed against this excess of revenue over disbursements. The revenue for the last seven months is \$2,681,000 ahead of the same period in the preceding year. For the month of January the receipts were \$728,988 better than for the first four weeks of 1901. The revenue for January last was \$4,861,631, as against an expenditure of \$7,189,921. The following is a comparative statement of the receipts for the seven months—:

	1901.	1902.
Customs	\$16,426,859	\$18,257,850
Excise	6,130,140	6,669,252
Postoffice	1,892,303	2,110,833
Public works	3,363,617	3,717,430
Miscellaneous	2,051,369	1,790,110
Total revenue	\$29,864,299	\$32,545,486
Expenditure	24,167,157	26,272,153
Surplus	\$5,697,142	\$6,273,333

—A special general meeting of the shareholders of the Canada Atlantic Railway has been called for March 11th. The summons sent out does not make any mention of the reported sale of the railway to the Vanderbilt system, but it is thought that the matter will be fully discussed by the shareholders when they assemble. With reference to the discussion regarding the sale of the railway to a foreign corporation, the point is fully met by a clause in the Canada Atlantic Railway's charter, which states: "That the company shall have full power to amalgamate with or enter into or conclude any agreement for selling or leasing the railway or branches thereof with any company within or without the Dominion of Canada. Such company to have all the rights and privileges enjoyed by the previous owners." According to official returns made to the Government for the fiscal year ending 30th June, 1901, the actual cost of the railway was \$16,594,940. Adding \$2,506,588 for rolling stock of all kinds, the total

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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 OLIFFE,**
Managing Director.**Waterside Works, HALIFAX, ENG,****Sole Makers of Messrs. Samuel Kirk & Sons' Wood-house, Leeds, Patent Machines for Improved Cloth Finishing.****Sole Makers of Reffitt's Patent Pressing Machine for Soft Goods.****Sole Makers of Reffitt's Patent Continuous Steaming machine.****Makers of Hydraulic and Screw Presses on the most improved principles, with Telescopic and Elbow connections. Cotton Baleing Presses and Baleing Boxes, Patent Wrought-iron Steam Press Plates, and Patent Malleable-iron Glands for Press Cylinders, so that leathers can be put in without taking the plates out.****Makers of every description of Hydraulic Pumps, worked either by HAND or POWER, with or without Steam Engine attached.****Makers of all kinds of Machinery, on the most improved principles, for DYEING, DRYING and FINISHING of all kinds of TEXTILE FABRICS, such as Orleans, Cobourgs, Lastings, Serges, Paramattas, Baratheas, Henriettas, Lamas, Cashmeres, 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, Mordanting 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.****Old 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, Cutting machines; Waxing, Painting and Brushing Machines; Lustreing, Tenting, Beating Nellies, One Cylinder Brush, and Damping Machines, Dye Vats, etc.**

cost for the 459 miles of the system was \$19,101,528. The amount of share capital subscribed and bonds issued was \$14,143,470. Of subsidies from the Dominion, Ontario and Quebec Governments and various municipalities there was voted \$2,461,471. The gross earnings of the railway amounted to \$1,786,338, and the operating expenses to \$1,411,433, leaving the net earnings for the period reported on, \$374,965.

—Immense stock yards are in course of preparation at Toronto Junction. The yards cover an area of 35 acres, extending 900 feet with a depth of 1,450 feet. The yards when complete will accommodate 300 carloads of cattle, including tie-up accommodation for 50 cars, 100 decks of sheep, and 60 carloads of hogs. Each pen has 170 feet of feeding rack, of which 110 feet are under cover. Accommodation is provided for unloading from cars into receiving pens, after which the animals will be driven to

their destination by men provided by the company for that purpose. The latest feature to be installed is the weighing scale. This scale is one of the largest on the continent, being seven feet longer than the latest scale in use in Chicago. The size is 64x14 feet, and the capacity 110,000 pounds. The scale is capable of weighing three carloads of cattle, three decks of sheep, or three decks of hogs at one draft. It is located in the centre of what is considered the main market, and the farthest point in the yards from any direction will not exceed 700 feet. Arrangements are being made so that cattle can be driven to and from the scale without meeting each other. The company's men will in every case take charge of the cattle upon arriving at the yards and conduct them to the weighing scale or elsewhere, as desired. At this date forty pens have been constructed, and the company expects by May 1st to be in a position to handle 120 carloads per day, if necessary.

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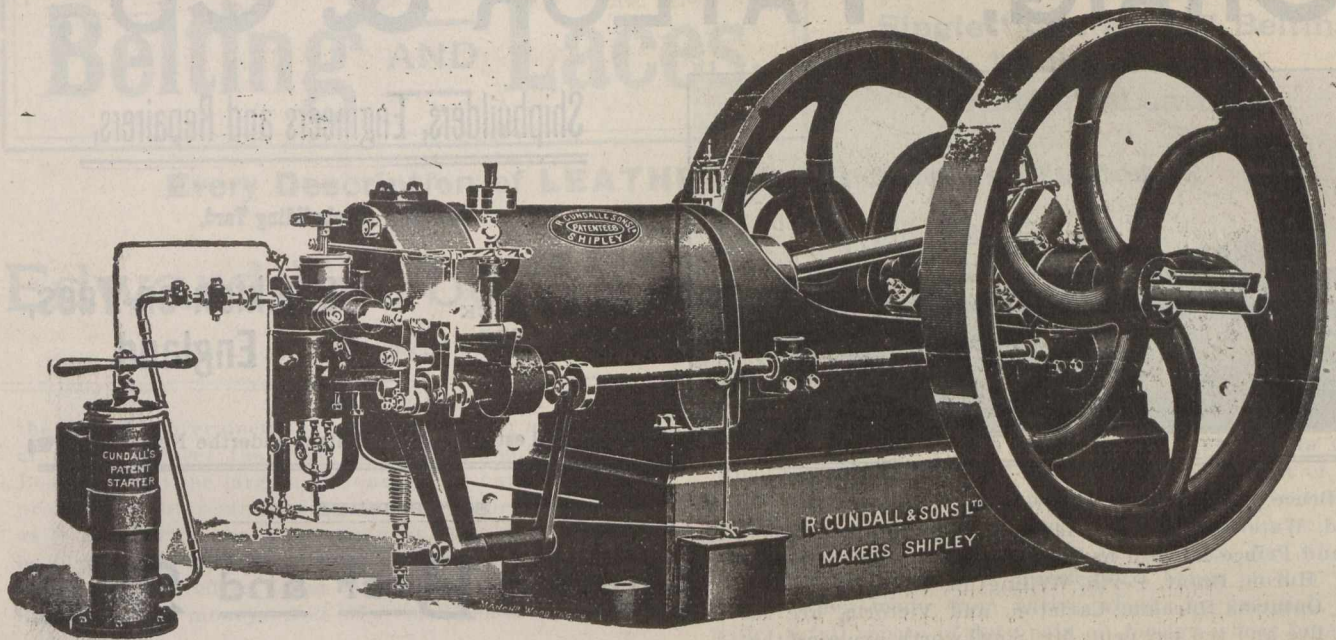
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ROLLERS for Cotton, Woollen and Silk Machinery.****New Front Lines of Rollers, Steel Hardened, or with Necks and
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National Telephone, No. 75, Shipley.

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OIL ENGINES Are the
Simplest Engines Running.



Economical, Reliable, Easily Managed and Safe.

Extracts from Letters Received.

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

"I have every pleasure in stating that the 2 b. h. p. Oil Engine you supplied me with for Electric-lighting purposes and for Pumping is giving satisfaction. It is doing its work most efficiently."

"You will be glad to know that the 2-Brake Oil Engine which I got some time ago is giving me entire satisfaction. It is running very steadily—so much so that I am able to supply my Electric light direct, without the slightest waver in the light. It is very easily started. I should say my Engines are as near perfection as possible."

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SHIPLEY, YORKS

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Eastern Townships, Que., Notes.—The Town Council of Richmond has received a communication from the Empire Carpet Company, of St. Catharines, Ont., asking the inducements the company is willing to offer if the company will locate there. Negotiations are to be entered into.—The council of the village of Granby has passed a by-law to be submitted to the ratepayers, authorizing a loan of \$15,000 to the Granby Plumbers' Supply Company, for ten years, without interest, and exemption from taxes for twenty years. The company, of which Mr. Edward Bradford is the promoter, undertakes to have an annual pay roll of \$15,000, and it is expected, if everything goes well, that it will be much larger.—Sherbrooke is moving to get the Gale spring bed factory rebuilt in that city.—Mr. Fred. Lamb, of Eastman, is getting out six thousand cords of pulp wood for the Duncan Pulp and Paper Company, of Dresden Centre, N.Y., which a year ago last summer purchased the limits belonging to the estate of Fred. Willard.—The annual meeting of the Sherbrooke Cigar Company was held last week, and a dividend of 10 per cent. was declared for the past year.—The amount of H. M. Customs duty collected at the port of Sherbrooke in January was \$14,138.22, an increase of \$824.77 over the corresponding month of last year.—A meeting of the shareholders of the People's Telephone Company of Sherbrooke was held recently when a by-law, authorizing the issue of \$25,000 preference stock, bearing interest at 6 per cent., was unanimously approved of.

—Addressing the St. John, N.B., Board of Trade some days ago on the growing importance of the projected French River route in the handling of grain shipments seeking the seaboard through the great Lakes, Mr. Louis Coste, C.E., dwelt on the details of Canada's trade, and how she spent over \$400,000,000 on her canal and railway system, but it not getting what she should of the freight. He said only four per cent. of the grain trade of Canada is handled in Canada, and he would not be satisfied until not one pound of Canadian freight goes to the

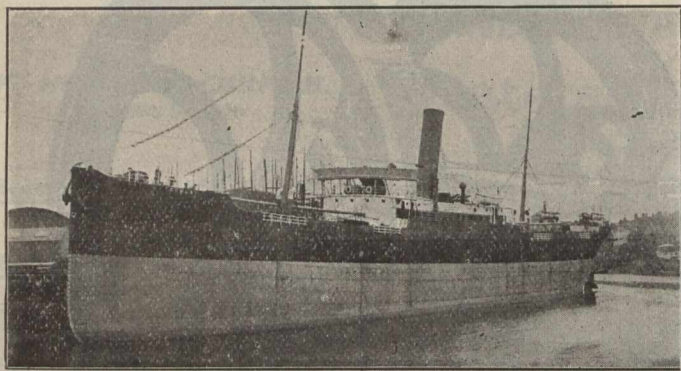
seaboard through the United States. To accomplish this the accommodations at Montreal ought to be increased and the channel of the St. Lawrence made as safe as the entry to New York and other Atlantic ports, the building of elevators at Montreal, and making the French River navigable from the Georgian Bay to Lake Nipissing, leaving it to the railway to do the rest. He believed the French River project would make the Canadian railways the carriers of all the grain west and would develop trade for all the Canadian lines of steamers. He believed it would greatly benefit Montreal, Quebec, St. John, Halifax and other Atlantic ports. He hoped the people of the Maritime Provinces would help Mr. Tarte in the great undertaking. He hoped the Intercolonial would be extended to North Bay so that it could share with the C.P.P. in handling the traffic. Mr. Coste went on to show how the Canadian Pacific with the French River project completed could handle 40,000,000 bushels of grain at four cents a bushel, a saving of three cents on each bushel, or more than a million dollars to the farmers of Canada. Alderman Maxwell thought it proper the Board of Trade should move in the matter, and said he was delighted to know Canada has a Minister of Public Works who has given the matter of transportation so much study.

—Director of Forestry Southworth, in his annual report says there is reason for both congratulation and dissatisfaction in a survey of the forestry situation of Ontario, the province having gone far towards the solution of the problem as regards Crown lands, while the danger from denudation in Southern Ontario has not only increased, by reason of the steady diminution in the areas of woodland, but is becoming more and more apparent to the general public. The counties in the province having over 20 per cent. of woodland are Stormont, Glengarry, Russell, Renfrew, Haliburton and Hastings. Those having between 20 and 30 per cent. of woodland are Essex, Elgin, Norfolk, Lambton, Simcoe, Lennox, and Addington, Leeds, Prescott, Lanark, and Peterborough. Kent, Haldimand, Wel-

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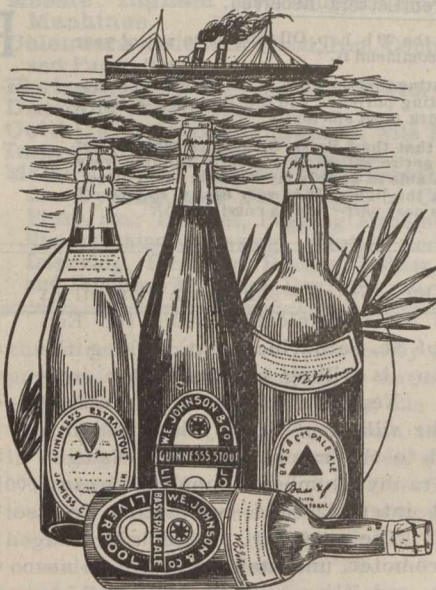
land, Bruce, Grey, Middlesex, Frontenac, Grenville, Dundas, Oxford, Waterloo, Dufferin, Lincoln, Halton, Northumberland and Prince Edward have between ten and twenty per cent. Huron, Brant, Perth, Wellington, Wentworth, Peel, York, Ontario, Durham, Carleton, and Victoria, are between five and ten per cent. Mr. Southworth explains that over-clearance has affected the western and midland counties to a greater extent than the eastern portion of the province. In Prince Edward and Grenville Counties and in two groups of townships forming the southern portions of Lennox, Addington, and Hastings Counties, the progress of deforestation has been arrested, and there is a slight increase in the wooded area. It is stated that Ontario to-day occupies a far more favorable position regards reforestation than the majority of the adjoining States. This is because the lands have been held by the Crown when timber licenses are granted. The report says that it has been established beyond doubt that on land where a pine forest has grown and been cut down a young forest of pine will succeed, except where burned over. Mr. Southworth tells of the growth of the forest reserves. In the Lake Temagami reserve, which contains 1,400,000 acres, it is estimated at from 3,000,000,000 to 5,000,000,000 feet, board measure. He says if this region had not been set aside as a forest reserve it would probably have been partially settled and forest fires would have occurred.

—The following was read at a recent special general meeting of the Toronto Board of Trade: Whereas,

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The "Compass" Brand

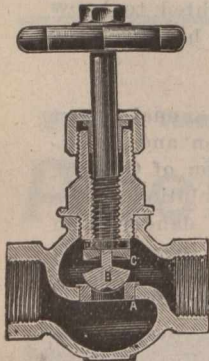
Bass & Co.'s Pale and Light Bitter Ales, and Guinness's Extra Foreign Stout.

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

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

The "SHAW" Patent Universal Union Joint

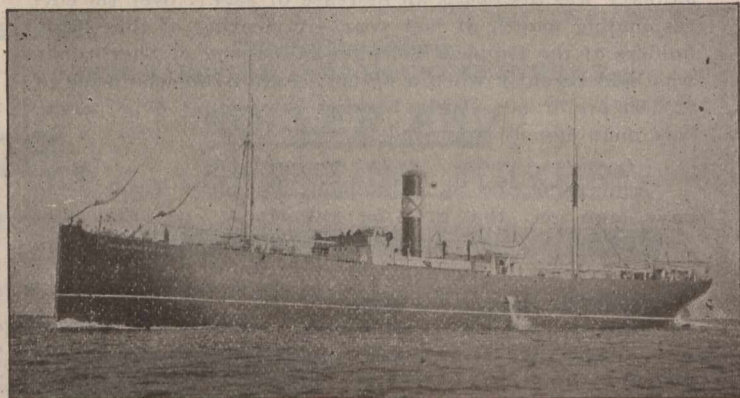
For Coupling pipes at an Angle, is the most Up-to-Date Coupling in the market. Send for full particulars of this and other "Shaw" specialities to . . .

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Telegrams: "GOVERNOR," Huddersfield,

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Steel and Iron Shipbuilders and Repairers.



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Fulled Raw Hide Belting AND Laces.

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

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Card Clothing
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CHROME and Oak Tanned
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Single "Cemented" Belting,
Double Belting.
Rubbing Leathers.

the British Government finds it requisite to levy additional taxes to meet the heavy expenditure entailed by the Boer war and the large additions to her navy necessary to protect her interests in all parts of the world; And whereas it is reported that that amongst other taxes one is to be placed on wheat; And whereas Canada and other colonies are prepared to assist in the defence of the empire with men and money; And whereas Canada has already,

by means of her preferential tariff, granted a heavy reduction of duties on the products of Great Britain and other parts of the empire; And whereas as a result of the said preferential tariff Germany has imposed practically prohibitory duties on our grain and other products, thus closing a very valuable market to our farmers; And whereas France grants what is practically a bonus on flour exported when made from native wheat, by granting the miller a full rebate of duty paid on foreign wheat imported; Therefore be it resolved, that in the opinion of the Toronto Board of Trade any tax placed on wheat or flour should not be levied on the products of the empire, or if the Imperial necessities demand its universal application, the products of the colonies should receive a preferential treatment similar to that now extended by Canada to Great Britain.—We believe the adoption of this policy would result in a large portion of the emigration from Great Britain now going to foreign countries being diverted to the British colonies, thus strengthening the British Empire beyond the seas, with the result that ere long the production of wheat and other food supplies would be so greatly increased as to render Great Britain independent of foreign countries in this respect.—A result of the preferential tariff, it was pointed out, was that Germany, which had been a valuable market for Canada, had said that if this was enforced she would place us under the maximum tariff, and to-day our wheat and other grains were practically prohibited from going there. This discrimination on the part of Germany against Canada and in favor of the United States was 10 a bushel on wheat, 4c on oats, and one-half cent on barley, peas, corn and rye. France, too, gave a rebate of the duty on wheat imported when its equivalent was exported in flour, and as a result the soft wheat flours of France were sold in Great Britain at a price at which Canadians could not compete. Of the amount of grain imported by Great Britain the colonies and India grew 100,000,000 bushels, and outside countries the remaining 78,000,000 bushels required.

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in the good old way and made into
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For delicate machinery is the finest known.

BAR MOTTLED SOAP.

IRVEN BROTHERS, LIVERPOOL, ENG.

Under New Canadian Tariff Law.

—While the inhabitants of Canada are trying hard to remain on earth, those of some of the European countries are attempting to fly through the air. A Vienna dispatch states that in accordance with a scientific plan, several simultaneous balloon ascensions were made recently from various European capitals. Three ascensions were made, one being undertaken by Archduke Leopold, who for years has practised and studied aeronautics. He used his new balloon called Meteor. He was accompanied by his wife, the Archduchess Blanche, who is a daughter of Don Carlos, and who has previously made four balloon trips. They were not accompanied by a professional aeronaut, their only attendant being an inexperienced

aide-de-camp. The Meteor started at 9 o'clock in the morning in a violent and cold wind. The voyage was uneventful, and four and a half hours later the Archduke and the Archduchess landed with perfect safety near Breslau, two hundred miles away. This same journey in an express train would occupy eight hours. The maximum altitude attained by the Archduke was 10,000 feet. The experiments of M. Santos-Dumont with his dirigible balloon have been stopped at Nice owing to the severe weather. The surrounding hills were covered deep with snow, and a gale threatened to wreck the aerodrome. Meanwhile M. Santos-Dumont has been to Paris to oversee the completion of his seventh airship, with which he is sanguine he will be able to make 60 miles an hour. His hope is partly based on the lightness of the motors, which weigh about six pounds per horse power, compared with thirteen pounds, the weight of the motors of his present balloon. The steering gear and propeller are the same as those employed on his present machine, but the balloon is 17 yards longer.

—The greatest aggregation of American financiers which ever struck Ottawa reported within its confines this

The Liverpool and Bankhall Chemical Company's



The best and most effectual remedy for

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

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

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

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

SOLE MAKERS:

The Liverpool & Bankhall Seed Crushing
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HYDRAULIC... ELECTRIC...

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

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

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week. It consisted of Dr. W. Seward Webb and his associates, who were negotiating for the Canada Atlantic Railway System. "You can say that the purchase of the Canada Atlantic Railway by Dr. Webb's syndicate is finally and absolutely concluded the contracts signed, and the money raised, all that remains is to hand over the cash, and this will soon be attended to." The foregoing statement was made by Mr. Averell, private secretary to Dr. Webb. Mr. A. L. Meyer confirmed the announcement, remarking: "The financial end of the deal is absolutely arranged, but I do not think it would be fair to Mr. Booth to make any statement as to the figure." In addition to Dr. Webb the party included Mr. A. L. Meyer, broker, Wall Street, New York; ex-Governor Smith, of Vermont; Samuel Goodman, traffic manager of the New York Central Railway; P. W. Clement, president, and G. T. Jarvis, manager of the Rutland Railway; F. M. Kelly, J. H. McClement, and B. S. Guinness, bankers, of New York; George L. Peabody, banker, of Boston; General T. S. Peck and Dr. Bingham, of Burlington. The purchase price is reported to be in the vicinity of \$18,000,000, and the option calls for \$2,000,000 to be put up before February 15th, otherwise the deal would be off. The Webb syndicate will put up a new elevator at Depot Harbor, with a capacity of two and a half million bushels. Ottawa peo-

ple are nervous about the removal of the shops and offices from that city, but the syndicate members say there will be no change in this respect.

—An estimate of the lumber cut of the Ottawa and Ottawa Valley mills for the seasons of 1900 and 1901 shows an increase in favor of last year. The total for 1901 is placed at 611,000,000 feet, as against 588,000,000 for 1900, an increase of 23,000,000. The cut of the different mills is as follows: Mr. J. R. Booth's mill, 125,000,000 feet; Gilmore & Co., Trenton, 25,000,000 feet; Huli Lumber Co., operating Mason's mill 35,000,000 feet; McLachlan Bros., Arnprior, 70,000,000 feet; Hawkesbury Lumber Co., 45,000,000 feet; and W. C. Edwards and Co.'s Rockland and New Edinburgh mills, 85,000,000 feet. The St. Anthony Lumber Co. cut at the Whitney mills 50,000,000 feet, an increase of 8,000,000 feet; Gillies Bros., Braeside, cut 40,000,000 feet, an increase of 10,000,000, and A. and P. White, Pembroke, cut 8,000,000 feet, increase 3,000,000; McLaren and McLaurin, East Templeton, cut in 1901 over 20,000,000 feet, an increase of 14,000,000. The cut of the following firms was practically the same for both seasons: Pembroke Lumber Co., 14,000,000; Ross Bros., Buckingham, 10,000,000; McLaren estate, Buckingham, 15,000,000; J. R. and J. Gillies, Arnprior, 3,000,000; A. Hagar and Co., Plantagenet,

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.

Contractor to H. M. Government.

Tel. Address, "Thom, Patricroft."

JOHN H. THOM,

Canal Works, Patricroft, near Manchester, England.

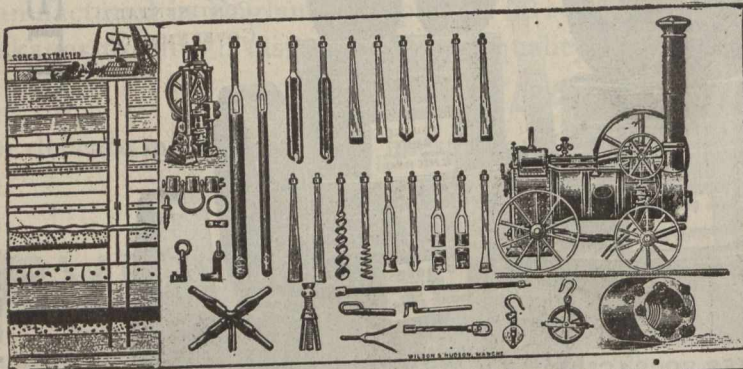
Boring for Minerals, Oil,
Brine, Etc.

Artesian Wells put down to any depth

Manufacturer of
all kind of

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

Special Estimates under the New Canadian Pre-ferential Tariff.



6,000,000; G. H. Perley and Co., Calumet, 25,000,000; Bailey Bros.' mill, Aylmer, cut before the fire in 1900 over 4,000,000 feet. It was not operated last season. The Ottawa Lumber Co.'s mill at Calumet cut 8,000,000 feet in 1900, before it was secured by Mr. G. H. Perley. The prospects are favorable for a large cut in 1902, as the demand for high-grade lumber is heavy.

—Canada's foreign trade for the seven months of the fiscal year to the end of January amounts to \$241,555,395, an increase of \$17,889,992 over the same period last year. The imports total \$114,717,901, and the exports \$126,837,494.

Following are the returns for the seven months:

Imports.	1901.	1902.
Dutiable goods	\$60,069,596	\$65,883,120
Free goods	41,729,301	44,328,588

Coin and bullion	3,091,177	4,506,193
Total	\$104,890,074	\$114,717,901
Duty collected	16,560,907	18,134,353
Exports (domestic produce).		
Minerals	\$25,491,497	\$23,450,565
Fish	7,491,699	9,890,667
Forest products	20,410,273	21,420,757
Animals and their products	39,863,673	41,731,512
Agricultural products	15,396,365	20,005,691
Manufactures	9,068,907	10,319,071

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, Bxing Gloves.

CASH
BAGS,

DRESSERS AND MANUFACTURERS.

Godley Mills,
and Tower Street Works,

HYDE, Manchester, Eng.

ADMIRALTY CONTRACTORS.

THE

LEEDS ENGINEERING & HYDRAULIC Co.,

Manufacturers of

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

ELECTRICALLY DRIVEN PLANT.

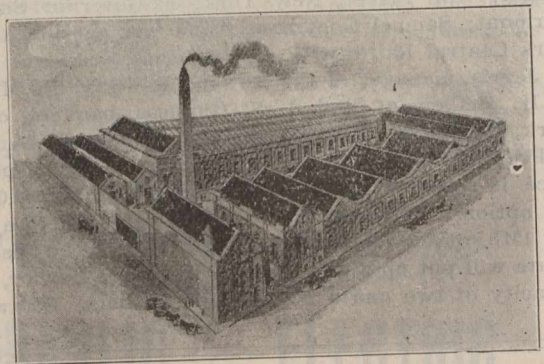
Providence Works, Cross Stamford St., LEEDS, Eng.

Special prices to Canadians under the new tariff.

Established 1861.

.. Bootle Jute Factory Co., Limited ..

SPINNERS
AND...
MANUFACTURERS.



JUTE BAGS AND BAGGING.

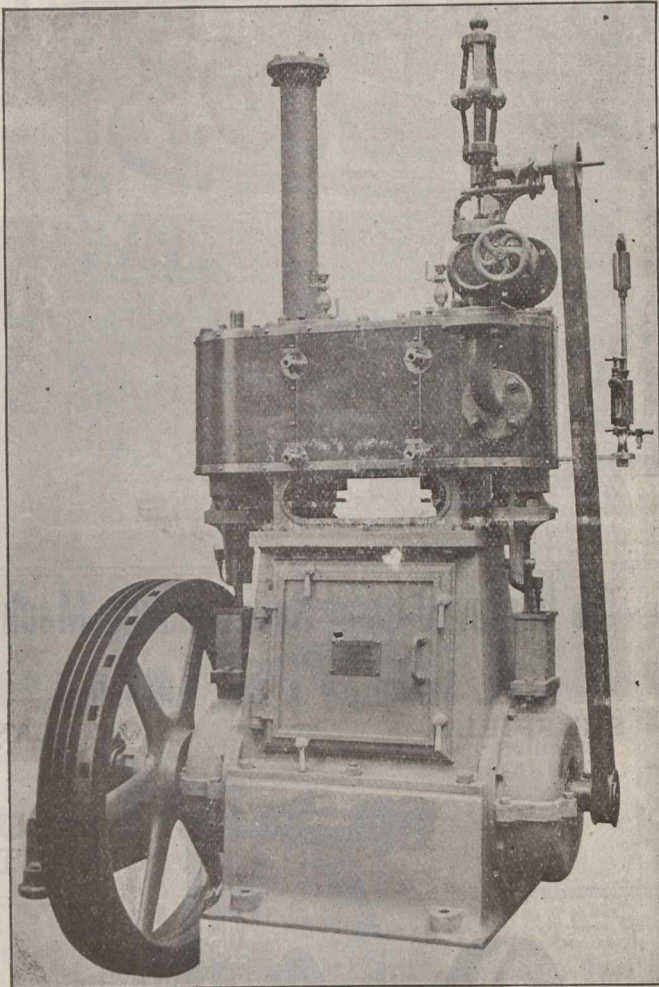
JUTE SACKING & SHESSIANS.

DUNDEE WORKS,

BOOTLE, - Liverpool, Eng.

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

Tel. Address: "PUMPS," Leeds.



These Engines are manufactured from 3 horse to 50 horse power under the new Canadian Preferential Tariff by _____

BENJ. GOODFELLOW,

Limited.

HYDE, nr. MANCHESTER,
ENGLAND.

Miscellaneous	42,915	19,225
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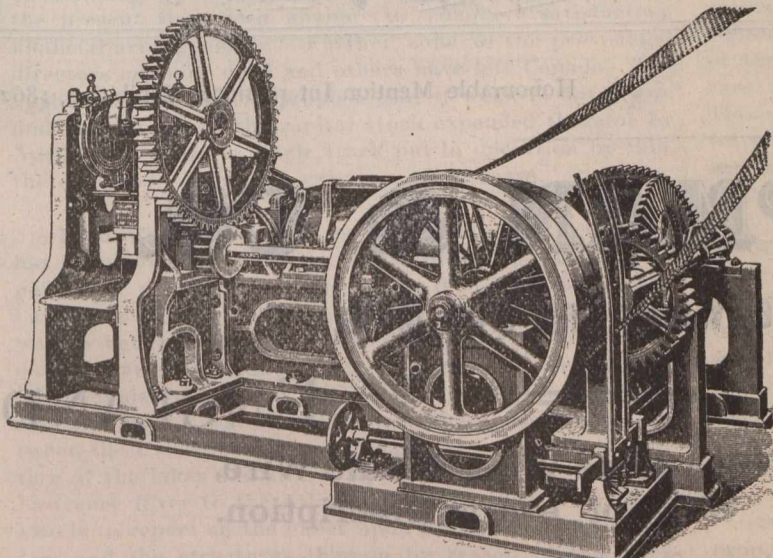
Total merchandise	\$117,765,329	\$126,837,494
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Foreign produce	12,365,431	12,182,344
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For the month of January alone the imports amounted to \$15,055,052, as against \$13,303,762, last year. The duty collected was \$2,455,810, a gain of \$350,000. The exports of domestic produce amounted to \$13,268,734, as against \$9,762,446.

—The delegates to the International Sugar Conference, according to a London cable of the 10th instant, are now more hopeful of a successful outcome than at any previous stage of the proceedings. It appears that Great Britain's threat of imposing countervailing duties, backed up by similar representations, from France, has worked so well that the various delegates have found it necessary to reconsider their position. The present delay is chiefly due to Austria, whose delegates were compelled to return

Telegraphic Address:
"ALEXSON, LEEDS."



Patent Combined Stiff-Plastic Brickmaking and Pressing Machine

**Brick, Tile and General
Clay Working Machinery**

...
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.

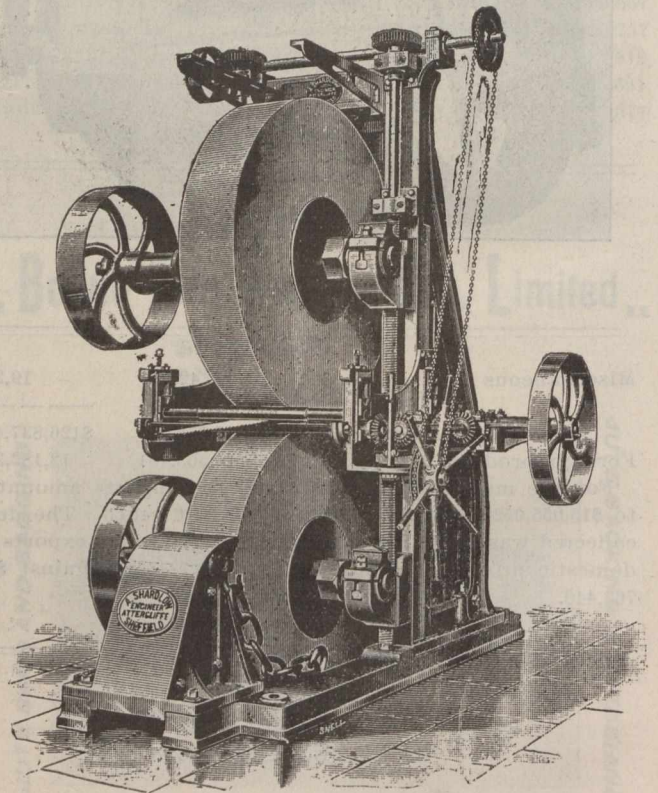


to Vienna in order to get further instructions. That all the bounties and cartels will be abolished is scarcely to be expected, but the British authorities believe that the condition of the industry may be greatly improved if the compromise arrangement which is now under consideration by the governments is accepted. Vienna, Feb. 9.—The representatives in the Reichsrath from the beet sugar districts are organizing with the view of obtaining protection for that industry against the suggested imposition of countervailing duties on the part of Great Britain. They will shortly have an interview with the Premier, Dr. von Koerber, and will arrange for future action, which will depend largely on a statement of the Premier, who, it is expected, will give an intimation of the Government's attitude toward the Brussels conference.

—Recent advices from Albany, N.Y., state that the Senate Committee on Agriculture will give a hearing on the 8th instant, on one of the most important bills of the session, and one which, if passed, will have a far-reaching effect. It is entitled "An act to amend article 2 of chapter 338 of the Laws of 1893, said act being in relation to agriculture, by adding a new section prohibiting the use of poisonous or harmful substances in dairy or other food products, and the sale of the same. The text of the bill provides: "No person shall add to any dairy or other product or substance intended or used for human food or drink any substance containing formaldehyde or salicylic acid or other harmful substance or substances; nor shall any person sell, offer for sale, or have on hand for sale any dairy or other product or substance intended or used for human food or drink, which contains formaldehyde or salicylic acid, or other harmful substance or substances; nor shall any person sell, offer for sale, or have on hand

The Improved Long Saw Grinding Machine

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



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.

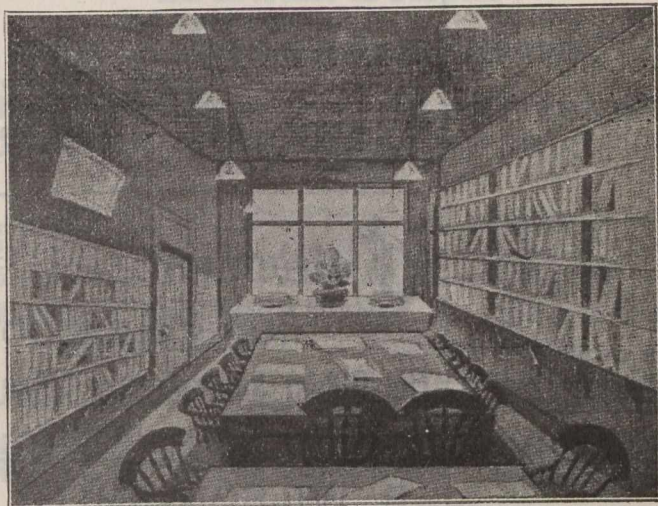
Telegraphic Address: "UNION," St. Helens.

Established 1837.

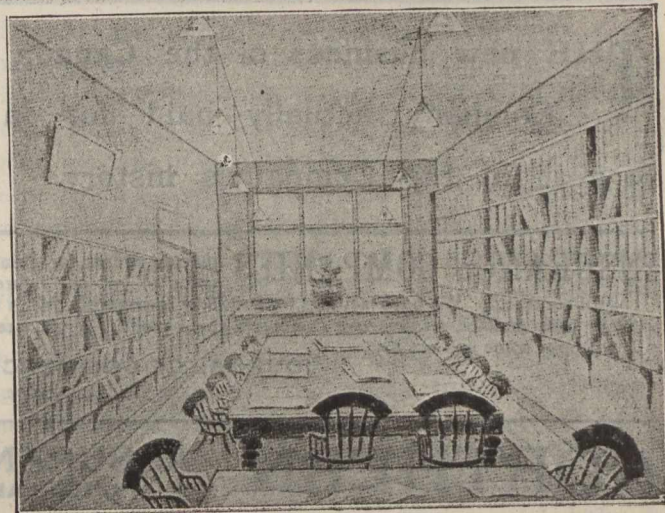
Union Plate Glass Company,

-LIMITED,

REFRAX GLASS.



Interior of Room Lighted with Ordinary Polished Plate Glass.



Interior of Same Room Lighted with Refrax Glass.

**POCKET NOOK,
ST. HELENS,**

Lancashire, England.

for sale, any substance or substances intended to be used in, mixed with, or added to, or compounded with any dairy or other product or substance, intended or used for human food or drink as a preservative or for any other purpose, which contains formaldehyde, salicylic acid, or other harmful substance of substances. This act shall take effect immediately.

—The scheme for carrying ships from the Georgian Bay to Toronto, which was launched many years ago, is, according to a Toronto despatch still being carried into the future. The company, which in 1892 obtained incorporation and extensive powers, is for the second time asking for an extension of time. The reasons given for the extension were the unsettled state of the money market, the failure of certain large financial institutions, and the falling through of the Chignecto Transmarine Railway Company. This second application recites that a large sum of money has been expended in exploratory surveys, and yet, owing to the delay in improving the St. Lawrence canal system, upon which the success of the company's undertaking materially depends, the company has up to the present time been unable to complete satisfactory financial arrangements. Further, some of the provisional directors are now dead and others have left Canada. The application goes on to propose that if work is not begun and 10 per cent. of the capital stock expended therefor by April 13, 1905, and a single track put in operation by 1910, the company's corporate existence shall cease.

—From Washington, it is learned, that a joint resolution has been introduced in the Senate providing for the appointment of a joint commission by the United States and Canada to examine and report upon the diversion of the waters between the two countries. The resolution requires that each country shall appoint two members of the commission, and it shall investigate "the condition and uses of the waters adjacent to the boundary line between the United States and Canada, including all the waters of the lakes and rivers, whose waters flow by the St. Lawrence River to the Atlantic Ocean." The commission also is to report on the effect upon the shores of these waters and the structures thereon by reason of the diversion of those waters from their natural channels and upon

the interests of navigation, and, further, upon the measures necessary to regulate such diversion.

—The problem of accommodating those who are entitled to be in Westminster Abbey at the coronation of King Edward and Queen Alexandra, says a London letter, together with the question of those whom it is considered desirable to invite, has been one of the most difficult of those that the Government and the Abbey authorities and officers of the Royal household have had to solve. It is generally supposed that from eight to ten thousand persons will be present. The following paragraph appears in a generally well informed weekly: "Sixteen inches of room would strike most of us as inadequate for our person. Yet this, we are credibly informed, is the space to be allowed in Westminster Abbey to each of the 8,000 persons who will be bidden to attend the coronation."

—The Grand Trunk and Canadian Pacific Railways have issued the following joint circular: "The attention of agents and others interested, is called to the existing instructions to the effect that track delivery of grain received at Montreal will not be made and that such consignments on arrival will be placed in the Canadian Pacific or the Montreal Warehousing Company's elevators, as the case may be, subject to the usual storage and charges. These instructions must be carried out, and agents are warned that they must not, under any circumstances, issue bills of lading calling for track delivery, or, in fact, any special delivery in Montreal."

—Halifax leads all Atlantic ports in the shipment of apples to Europe this season. Figures issued show that the Furness, Allan and Donaldson Lines of steamers carried from that port since the gathering of the fruit crop a total of 187,585 barrels. In addition, many shipments were sent via St. John, Montreal, and Boston, so that the total shipments from Nova Scotia this year will exceed 200,000 barrels. A considerable stock is still held by growers. The price is now \$5 a barrel for first-class fruit.

—Some \$6,250,000, it is reported, will be expended in the proposed conversion of the present horse tramways in the city of Adelaide, Australia, into electrical motive power.

THE STANDARD ASSURANCE CO. ESTABLISHED 1825.

OF EDINBURGH.

HEAD OFFICE FOR CANADA, MONTREAL.

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

[WORLD WIDE POLICIES.]

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

D. M. McGOUN, Manager.

J. HUTTON BALFOUR, Secretary.

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

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

JOURNAL OF COMMERCE JOB DEPT.,

111 St. James Street, MONTREAL.

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



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

Head Offices:—London and Aberdeen.

Branch Office for Canada, Montreal, 1730 Notre Dame St.
 Manager for Canada,—ROBERT W. TYRE.

THE Trust & Loan Company of Canada

(Incorporated A. D. 1845 by Royal Charter.)

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

Negotiate Loans on City Property and improved Farms at low rates and on very desirable terms.

Address, THE COMMISSIONER,

THE TRUST AND LOAN COMPANY OF CANADA,
 26 St. James St., MONTREAL, QUE.

THE CANADIAN

Journal of Commerce.

MONTREAL, FRIDAY, FEBRUARY 14TH, 1902.

PRINCIPAL GRANT ON THE PRESS OF CANADA.

The Rev. Principal Grant, who to the theological title of D.D., adds the secular one of C. M. G., has been giving the press of Canada a piece of his mind. Dr. Grant's mind is of the "strenuous" order, he is as fond of giving hard knocks as the fabled Irishman at Donnybrook Fair. With much the doughty Principal said about the press of Canada we are in perfect accord sympathy as this journal can say:

"Let the galled jade wince, our withers are unwrung."

At the same time we should have preferred his shillalah to have been used with more discrimination, for,

Insurance.

PHENIX ASSURANCE CO'Y

OF LONDON, ENG.

Established in 1783. Canadian Branch
 Established in 1864.

No. 164 St. James St.

MONTREAL, P. Q.

PATERSON & SON,

Agents for the Dominion

City Agents:

E. A. Whitehead & Co. English Dept.
 G. A. Raymond & Co. French Dept.
 S. Mondou.

Caledonian... INSURANCE CO.

The Oldest Scottish Fire Office.

Canadian Head Office, MONTREAL.

R. WILSON-SMITH

FINANCIAL AGENT.

Government, Municipal and Railway securities bought and sold. First class securities suitable for Trust Funds always on hand. Trust Estates managed.

STANDARD LIFE CHAMBERS,

151 ST. JAMES STREET, MONTREAL.

THE MANCHESTER FIRE ASSURANCE COMPANY.

Established 1824.

CAPITAL, - - \$10,000,000

Head Office, MANCHESTER, ENG.

Canadian Branch Head Office, - TORONTO.

JAS. BOOMER, Manager.

R. P. TEMPLETON, Assistant-Manager.

C. R. G. JOHNSON, Resident Agent, MONTREAL.
 1723 Notre Dame St.

IMPERIAL LIFE ASS'CE CO'Y OF CANADA.

UNEXCELLED SECURITY.

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

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

FIRE. LIFE. MARINE.

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

ESTABLISHED 1865.

* 11 HOSPITAL STREET, *

MONTREAL.

Telephone Main 1277.

P. O. Box 2081.

by placing all the journalists of Canada "in one fell swoop," he struck some who for years have been protesting against the same evils which he condemned, and he condemned some features in the press that are as innocent

Mutual Reserve Fund Life Association

FREDERICK A. BURNHAM, PRESIDENT.

EIGHTY-ONE THOUSAND POLICY-HOLDERS.

Total Assets, \$12,264,838.21.

THE TWENTIETH ANNUAL STATEMENT

Shows that the 1900 Business Brought

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

..AND..

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

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

**UNION ASSURANCE SOCIETY
OF LONDON.**

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

Capital and Accumulated Funds exceed, - - \$16,000,000.**ONE OF THE OLDEST AND STRONGEST OF FIRE OFFICES.**

CANADA BRANCH:

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

T. L. MORRISEY, Manager

as his own occupation. To these latter we shall first allude.

He condemned the press for being trammelled by party affiliations. Now, if this is censurable so also is the pulpit, for every pulpit is "trammelled by party affiliations." Dr. Grant is a preacher of broad sympathies, but, by the necessity of his position, he is trammelled, or, as the ghost in Hamlet says, "Cabined, cribbed, confined," within a ring fence of doctrines outside of which he cannot pass, nor does he desire to pass, for we have no doubt that the limitations placed upon his pulpit teachings by his party, that is, his church affiliation, are coterminous with those fixed by his convictions.

Is not this the position of the editor of a party newspaper? He is engaged to conduct a journal on the lines of a certain political party, and he carries out his engagement as conscientiously as the exponent and defender of a particular form of church creed and polity. A political editor is thus, no doubt, "trammelled by party affiliations," but no more so, nor less honourably so, than the exponent and defender of a theological system. So far, then, the Canadian press is not open to reproach. But, if an editor uses his opportunities to make offensive, unjust, unwarranted attacks upon the character of those to whose opinions he is opposed, he is highly censurable, not because such attacks are inspired by "party affiliations," but, on the ground that such criticisms are immoral, are derogatory to the press, and are a scandal to his profession, just as the diatribes of some eminent theologians in the early days of the last century that slandered divines with whose theories they differed, Calvinist against Armenian, were a disgrace to religion.

Another innocent feature in the press is, its cherishing "commercial desires," which Dr. Grant condemned. Now, of a newspaper it must be said, as Dr. Johnson said of actors:

"They that live to please, must please to live,"

for any publication that fails to please, or to satisfy those whose tastes it caters to and whose opinions it represents will soon cease to live. In this the press stands in an analogous position to that of the pulpit, for any preacher who fails to "please" his hearers is certain to lose his livelihood, so far as those auditors are concerned. Here, again, we have to consider the question in its moral aspect. If a newspaper proprietor allows his "commercial desires" to tempt him into dishonourable practices, then he deserves censure, if, for instance, he sells space in his paper to some person who desires to use it for stating what the proprietor knows to be false, or mischievous, or demoralizing, such a transaction, inspired by "commercial desires," is a disgrace to the journal and a reproach to the press. The pulpit is exposed to the same scandal. We read in Milton, "The sheep look up but are not fed," by a pastor whose "commercial desires" have led him to accept clerical duties for "filthy lucre's sake." But, as the presence of such men in the clerical office does not bring that office under condemnation, so, the existence of a few dishonourable newspaper proprietors does not justify Dr. Grant in censuring the Canadian press generally for its "commercial desires."

In what, then, are we in accord with Principal Grant? With him we heartily condemn the prevailing "flippancy" of many newspapers, with him we deplore their "vulgarisms," and like him we deplore the defective English used by large sections of the press of Canada. The use of slang; of the vocabulary of the saloon; of the syntax of the cab-stand; of pretentious criticisms based on ignorance; are quite common in a large number of our daily newspapers. Judgments are passed upon matters respecting which the writers have not even an elementary knowledge. Of some writers it may be justly said, the more defective is their knowledge of a subject the more positive are their opinions regarding it expressed. Those who have a thorough, critical, expert, scholarly mastery of a question, who have given to it years of study, are habitually corrected by flippant critics who mistake for knowledge the superficiality of an acquaintance with a few catchy phrases that are known to everybody. Too many newspapers pander to the modern craze for what passes for criticism, much of which is rank impertinence. Never before was the great god Ego so worshipped by the multitude. "As fools rush in where angels fear to tread," so fools, raw as newly killed meat, pass judgment upon Theology, Literature, Music, Painting, Science, Politics, Finance, the whole circle, indeed, of human learning and achievement with self-satisfied, flippant confidence. Many dailies are highly censurable for throwing open their columns to all manner of correspondence, all except one, which is, letters by those who know enough and can express themselves well enough to justify publication. But this freedom is useful to the lower class of party organs, for it affords opportunities for abusing opponents by language too base to be used in an editorial.

Another complaint of Dr. Grant is the use of bad and vulgar English by the press. We fear this evil is incurable under present educational conditions, as a Can-

adian child may pass into a youth, and a youth into early manhood, being the whole period under instruction at school and college, without learning the very alphabet of English composition. Even the letters sent occasionally to the press by school-teachers of the highest grade are often most faulty in their syntax. One of the urgent needs of Canada is the teaching of English in schools and colleges. We can tell Dr. Grant that much of the "bad and vulgar English" he complains of in the press is contributed by University graduates. He could find specimens of slang and coarse English in any one of the Canadian College magazines.

Principal Grant as the head of a large university is doubtless in touch with others in a like position. Were those representatives of higher education to exert their powers the mastery of English would be a necessary accomplishment for students securing a degree. This would raise the style of speech and composition throughout the teaching profession and through their influence there would gradually come an elevation in public taste which would reform the press.

ENGLISH STEEL SENT TO THE UNITED STATES.

Trumpet flourishes have raised Americans to enthusiasm in the last two years regarding their alleged victory over the steel manufacturers of Great Britain. From Maine to California the American press has been jubilating about, "the decadence of the British steel trade," "the conquest of John Bull's markets for steel by American makers,"—headings we quote from U. S. newspapers. Yet in spite of all this boasting we read as below in the New York Commercial Bulletin:

"In addition to the British steel tramway rails about to be imported into this country, to which reference has already been made in these columns, it was reported yesterday, the 7th inst., that orders have also been placed for a further lot of 1,700 tons. The rails are to be used for points and crossings. The contract was placed abroad by New York and Cleveland parties at considerably better prices, even including freight and duty, than could be obtained on this side. Moreover, almost immediate delivery is to be made by the British mill."

The significance of this announcement lies in the statement that these imports of British steel rails into the United States will be made in spite of the costs of ocean freight and the enormous duty charged under the American tariff. Where would the competitors on this side be if they had no protection? Manifestly, "decadent," "used up," "worn out," poor John Bull, whose energy is said to be exhausted, would be able to sell as much steel in the United States as he would care to.

THE NEW CITY COUNCIL.

The inauguration of the new Mayor and City Council was a most successful affair, according to the accounts given of it. Mayor Cochrane's inaugural address was a most interesting one and his programme, as enunciated, is creditable and comprehensive and is deserving of the best attention of the citizens of Montreal. He deals fully with the necessity for improvement and enlargement of the facilities by which the Fire Department will be able to control fires when they occur. The experience of the city within the last two years justifies his re-

marks. Whether the management is all that is attainable may be a moot question, but that more and better appliances are required cannot be doubted. The want of them has resulted in an enormous increase in fire insurance rates, which has thrown an enormous burden on the trade interests of the city that must be removed. The recent disastrous fires in some of the cities of the United States, where the want of sufficient fire-fighting appliances were apparent, give force to the urgency of action in this direction here.—The necessity for a civic hospital for contagious diseases is forcibly put by Mayor Cochrane and it is likely that the new Council will be in a position to take effective steps that will remove the disgrace from the city that now lies upon it in this respect.

Thanks to the efforts of the past Council the financial condition of the city is improved and with a judicious economy and combined efforts of the different committees the new Council will be in a position to give a good service that will redound to the credit of the city and add to the comfort of the people that has been conspicuous for its absence during the last four years.

Mayor Cochrane promises that as a member of the Harbour Board, he will endeavour to push forward the works and secure the long-talked of facilities, so much required, for the trade of the port. It remains to be seen what influence his strenuous individuality will have in bringing order out of the chaos that is now existing in harbour matters. The new Mayor is credited with having a good share of common sense, but it will require in addition to that, no ordinary tact to harmonize all the discordant elements and interests he will have to contend with when he takes his seat at that Board.

In this connection, we may say, as we have said before in these columns, that the condition of the Elgin basin caused by the city sewer emptying into it, opposite the Custom House, is a danger to the public health, discreditable to the city, and calculated to drive ships from using it. The danger that would arise from that source has frequently been pointed out before, but last year the Provincial Board of Health, of which Dr. E. P. Lachapelle is Chairman, decreed that the city should remove the nuisance by diverting the sewer before the end of that season, or forfeit a penalty. No other attention was paid to this by the city, except raising a legal point or quibble, if it may be so called—that the Harbour Board should be obliged to do the required work of diversion. Another year was thus lost and now the question of who is responsible is, by the action of the city, referred to the civil courts to decide who is legally bound to do a work that will conserve the health of the city—a work, be it rememberer, that should have been done years before the new harbour works were begun.

The matter is now before the courts and, therefore, may, perhaps, not be a proper subject for discussion; but, we may say here, that the city was a party to the approval of the harbour plans that rendered the diversion of that sewer a necessity and it was well understood at the time, by all the parties connected with the arrangement, that the city should divert the sewer, the cost of which was estimated at about \$70,000, but for which the city is now seeking to recover \$132,000 from the Harbour Board.

All the arrangements in connection with those harbour improvements were in the interest of the city and by them the city obtained the land necessary to widen Commissioners and Common streets from the harbour property without any compensation therefor. At a very

moderate estimate that land was worth to the city more than \$500,000, and under all the circumstances, it shows a haggling spirit on the part of the city to endeavour in this way to throw the cost of disposing of the city's sewage and caring for the city's health on the trade of the country and the shipping interest.

Whatever were the influences that prevented it, it is most remarkable that the Health Committee of the City Council never even considered the menace to the public health involved in this matter, and yet other matters of less importance have been made much of when dealing with health matters.

Mayor Cochrane could not do a better service in his dual capacity than by bringing this unseemly strife between the two bodies in this matter to a close, so that the work of diverting the obnoxious sewer will be commenced at an early day and completed before the close of the next open season.

The composition of the different committees was arranged without any great clashing of individual or sectional interests, and the expectation is only reasonable that the changes resulting from the elections will tend to greater harmony and a better service in all the branches of our municipal government than we have been accustomed to for the past few years.

THE GREAT CANALS OF THE WORLD.

The Bureau of Statistics, Washington, has issued a volume on the world's great canals, showing their history, cost, size, commerce, and geographical and topographical relations. The work has especial interest, in view of the projected construction of a more direct water-way between Lake Huron and this port which involves canals being built to connect natural water courses that now run a considerable distance along the route. It was at one time thought that railways would put canals out of use. In England they have done so, so that some channels dug out for canals have been drained of water and their bed laid with rails. This, however, has been found to have been done prematurely, as carriage by water of certain classes of freight is found to be more economical than by railways. In one case where this was done in Yorkshire, it is proposed to restore the canal to its original purpose and deepen the old channel so as to allow sea-going vessels of heavy tonnage to penetrate the country from the German ocean as far as the great manufacturing district of which Sheffield is the capital. The Manchester Ship Canal is an illustration of this reversion to the older system, this vast work being constructed along the course of an old canal, and parallel to the railway from Liverpool to "Cottonopolis," a distance of 40 miles. In Continental Europe there are, the canal from Cronstadt to St. Petersburg, the Corinth canal, the canal connecting the Baltic and the North Sea, the Elbe and Trave canal on a similar course, and a canal is also projected to run from the English Channel to Paris, for which work the river Seine would be utilized.

The Suez canal is of a different class, as is also the projected canal across the Isthmus of Panama, these works having the sole purpose of connecting two oceans separated by a neck of land, whereas other great canals were built, or are projected, to enlarge the facilities of internal transportation. The Suez canal, 90 miles long, cost \$100,000,000, its depth is 31 feet, width at bottom 108 feet, and at surface 420 feet. In 1900 3,441 vessels

passed through the Suez canal. The tolls charged are \$2 per ton. The Cronstadt canal, 16 miles long, cost \$10,000,000; the Corinth, 4 miles, cost \$5,000,000, but this short cut saves 175 miles to vessels. The Manchester Ship Canal, 35½ miles long, cost \$75,000,000; in 1900 its commerce was 1,492,320 tons. The Caledonian, between the Atlantic and the North Sea, 250 miles long, cost \$7,000,000; the canal from Toulouse to the Mediterranean, 150 miles, cost \$3,500,000.

The Welland canal, from Lake Erie to Lake Ontario, 27 miles, cost \$30,000,000, an enormous cost per mile, owing to there being 25 locks required to overcome the rise and the fall of 327 feet between the two lakes. The locks in a canal constitute the chief expense where they are numerous in proportion to the entire length of the work. The two canals at St. Mary's Falls, commonly called the "Soo," one American and the other Canadian, have a commerce exceeding that of any other canal in the world. In 1901 their combined tonnage was 24,626,976 registered tons, as compared with 9,378,152 tons of the Suez canal, and 4,282,094 tons of the Kaiser Wilhelm canal between the Baltic and the North Sea.

If the great project outlined recently by the Honble. Mr. Tarte is carried out there will be an enormous traffic diverted from the present waterway from the West, through the Welland and St. Lawrence and its canal system. How far such a vast expenditure will be justified by its probable results in cheapening transportation from Lake Superior is a very grave problem for the country and Parliament to consider.

JANUARY FIRE LOSSES.

The fire loss of the United States and Canada during January, as compiled by the New York Journal of Commerce, shows a total of \$15,032,800. The figures for the same month in 1900 were \$11,755,300, and those for January, 1901, \$16,574,950. During January there were 281 fires of a greater destructiveness than \$10,000 each. They may be classified as below:

Chicago, Ill., malting plant	\$275,000
Manchester, N.H., business block and theatre ..	500,000
Memphis, Tenn., stove foundry	250,000
Columbus, O., wholesale grocery and other	250,000
Mobile, Ala., several wholesale houses	300,000
St. Louis, Mo., jewellery store and other	400,000
Norfolk, Va., hotel and business block	350,000

The principal fires in January were:

\$10,000 to \$20,000	96
20,000 to 30,000	52
30,000 to 50,000	46
50,000 to 75,000	39
75,000 to 100,000	15
100,000 to 200,000	23
200,000 to 500,000	10
Total	281

Insignificant are the above when compared with the conflagrations which visited Waterbury and Paterson, U.S., this month, and which will probably make February, 1902, a record month in this respect for many years.

There is a lesson to be drawn from these two great losses which the citizens of Montreal and Toronto cannot well overlook. Happily for Montreal, the recent fires in the centre of the business portion of the city were stopped before progress was made beyond the orig-

inal buildings. For this the fire chiefs have been praised. But how much better prepared were they to combat such fires than when millions of dollars worth went up in smoke a year ago? We hear nothing of the inefficiency of the Waterbury or Paterson brigades to cope with the heavy fires there, but had such losses overtaken Montreal, everyone concerned, from the highest official down, would, doubtless, have come in for their share of blame.

The lesson can be learned as well from our neighbours' losses as from our own. No more time should be lost in differences of opinion as to the proper needs of Montreal in this regard, and it is to be hoped the new civic rulers will be a unit in preserving the city from such visits by speedily putting into execution some such resolutions as have been already framed. Montreal's comparatively narrow streets and sidewalks in a large portion of the business district, make it much harder to cope with a large fire, while fires are, for the same cause, much more liable to spread. For these reasons, even the strength of fire brigades in other cities of a similar size should not suffice, but rather, even at much heavier outlay and expense, have this portion of Montreal so thoroughly prepared for such sudden visits that both property owners and insurance companies might be fully guarded.

PRACTICAL WISDOM.

A little work has recently been published in England which would appear to have been suggested—partly at least—by a series of papers which appeared a few years ago in the Nineteenth Century from the pen of Mr. Andrew Carnegie, one who exemplifies in his own character the very personification of the above title. The men of the seventeenth century whose writings for the guidance of their sons and daughters are pressed into service in the little publication referred to, made no stir in their times approaching even remotely that created by the great iron-master of to-day, with his great business acumen, his practical application thereof in the acquirement of wealth of a magnitude unprecedented in industrial pursuits and in his princely gifts for the promotion of educational objects. In a recent number the London Spectator, instituting a comparison between the wisdom of former generations, as described in the work above mentioned, and that of our own, says:—“Surely we are better than our grandfathers were!” These sage old instructors are firmly convinced that honesty is the best policy, and they are courageously determined to make the best of both worlds for themselves and for their children. Advantage, therefore, being on the side of right, they candidly advise their children to do right for the sake of advantage. In the matter of religion all the writers are what would now be called “broad-minded.” They entreat their pupils to avoid religious disputes and to condemn no one for his faith. With regard to good works the standard set before the young readers is by no means low. Matthew Hale—one of the greatest English judges, and the jurist whom Cromwell selected to preside over the Common Pleas—in his advice to his grandchildren charges them to be ever ready to show kindness, forgiveness, and even respect to their inferiors, “remembering that there is not the meanest person in the world but that once in your lifetime you may stand in need of his help, or that one

time or other may have power and opportunity to do you a mischief, therefore it will be your wisdom to oblige as many as you can without detriment to yourself.” Any form of pious display is uniformly deprecated in these pages, and Sir George Savile (afterwards Lord Halifax) warns his daughter not to imagine that religion consists in “devout convulsions in church,” where “many ladies are so extreme stirring, one would say the worm in their conscience made them so unquiet.” He is most anxious that she should not be discouraged, and sets to work to instruct her how clever women “by a wise use of everything they dislike in a husband may turn that to be very supportable which if neglected might in time beget an aversion.” Suppose, for instance, that the hypothetical son-in-law “should love wine more than is convenient,” the daughter must endeavour to look upon the bright side of her trouble. First she may “thank God her husband hath faults,” for “nothing softeneth the arrogance of our nature like a mixture of frailty.” Then she must remember that the “frequent intermissions of reason” to which drunkards are subject may be turned by a clever woman to her own advantage, for during these intermissions she “insensibly getteth a right of governing in the vacancy,” and that “raiseth her character and credit in the family to a higher pitch than perhaps could be done by a sober husband.” By such wise procedure life may be made very bearable, even though it be impossible “to make drunkenness a virtue or a husband given to it a felicity.” If, on the other hand, her husband should be sober but “choleric,” she must contrive by “marking how the wheels of his head move” to “bring over all his passions to her party,” so that “instead of being struck down by his thunder, she may direct it, where and upon whom she shall think it best applied.” Further instructions are given for the management of niggardly or jealous men; and the lady—evidently quite a girl—is warned to be prepared to show deference to her husband in public, “lest he claim for his credit the dominion he was content to forego for his ease.” That the master had a very high opinion of his pupil's wit we gather from the following sentence:—“Suppress your impatience of fools—they are too strong a party to be unnecessarily provoked.”

In manners—and in that word we include moderation—the young people two hundred and fifty years ago were well instructed—for their own good. They are exhorted not to exceed in wine lest they come to ruin; and are instructed that “it is never wholesome to eat as long as you are able, especially in England.” “Shuffling and contending for precedence” is strongly deprecated, and both men and women are advised to “give it to any rather than take it against their mind.” This politeness, they are assured, will never “abate their value,” but will rather give them a reputation for discretion. Demonstrations of respect cost nothing, and “yet many times are of great advantage, and are always well taken.” We think all the rules of good manners here given—considered apart from their consequences—are worthy of all admiration. “Observe a fair common carriage to all people of all ranks, and make as few enemies as you can,” is as useful a maxim now as it was then, and surely the prideful instruction of the Earl of Bedford to his son remains a counsel of perfection: “Fail not upon occasion to be master of a great modesty—but withal know when to be high.”

How is it that all this advice, once considered so good, appears so sordid in the present day? Parents are not less anxious than formerly for the worldly success of their children, but when they speak to them of manners or of morals they do not make a candid appeal to the spirit of self-interest to support the cause of right. Perhaps the chief reason is to be found in the fact that there has been lately a great strengthening in the powers of the moral imagination. We have developed a capacity for putting ourselves in the place of some one else, and no longer need the spur of personal advantage to goad a sluggish compassion. Then we do not any longer feel sure that so far as the individual is concerned good conduct does always lead to prosperity, however certain we may be that it tends in the long run to promote the greatest happiness of the greatest number. The advantage of the many is slowly taking the place of the advantage of the individual as a moral incentive. With the growth of altruism comes the development of all moral ideals, among them the instinctive respect felt by mature men and women for the very young,—the respect, that is, of experience for innocence. We no longer tell our sons "to court him always whom they hope some day to make use of," though we, no doubt, often hope that accident may throw them in the good graces of powerful people. The father of to-day would rather court the useful person vicariously, and so leave his son free to follow a disinterested course in the matter of friendship. It is still well within the bounds of possibility that the most cherished daughter may marry a drunkard, but nowadays a man who loved his child would hesitate to map out before her all the miseries of a hypothetical situation, still less would he seek to induce her to ease her position by the exercise of a somewhat ignoble shrewdness. Certainly we have made a great advance since the middle of the seventeenth century, but have we not also sustained a certain loss? A more anxious care for the public good, an increased perception that the great natural, social, and moral laws continually demand the sacrifice of the individual to that good, has modified each man's sense of his own importance,—a fact which undoubtedly has its unfortunate side. Each of us is convinced that the world is not governed for him alone, and, as individuals, we are too apt to feel that we have very little on the world either for good or evil. That force lies in union is a maxim the truth of which is only too eagerly acknowledged in the present day. Collaboration, sympathy, talk, are the sine qua non of every great undertaking, and, on the whole, it seems good for the world that it should be so,—only it is not a state of things favourable to the production of great men. A man must believe in his own powers if he would use them to the full. To overestimate them is ridiculous, to underestimate them may be disastrous. No new leaf is turned over without sacrifice. We have gained much, but we have undoubtedly lost something—something, we think, both in carriage and character—something of our old sure-footed step, something of our old cheerfulness, something, in fact, of that sense of exhilaration which a man feels who believes himself master of his fate; a happy belief, which can only co-exist with implicit faith in the close and indissoluble connection between virtue and its immediate, earthly, and personal reward. The men and women of the seventeenth century could not have been got to understand Archbishop Whately's gloss on the proverb, "Honesty is the best policy, but he who is honest for

that reason is not an honest man." They would have considered it a mischievous destruction of the incentive to virtue.

THE MINISTER OF PUBLIC WORKS AND THE FUTURE OF THE ST. LAWRENCE ROUTE.

At a banquet given by the Reform Club of Montreal last Saturday evening, the Minister of Public Works, the Hon. Mr. Tarte, enlarged on his favourite subject of transportation via the St. Lawrence route. In all his utterances the Minister is always optimistic. It is in many respects a good thing to have such men express themselves. It is an encouragement to action to listen to them. The deliverance of such ideas as Mr. Tarte propounds, on this subject tend in the right direction. There can be no two opinions as to the importance of looking forward to the value of the transportation interests via the St. Lawrence route, as it regards the future welfare of the Dominion. Unfortunately, many people interested in the trade get into a kind of rut and object to all innovations but they are still in earnest in believing that the trade will come this way by the old ways and means, and are content to work on the old lines.

To such men the lively imaginations and utterances of energetic characters like the present Minister of Public Works come as shock. To many, however, they will be commended as worthy of serious consideration. It is pleasant to look forward to the possibilities of the future as pictured, and that soon this route will be teeming with vessels carrying to the ocean the greater part of the produce of the ever-growing Western part of the continent.

Montreal is particularly interested in this large question, and yet it cannot be denied that there is an apathy and indifference about it in some quarters that is simply amazing.

The Minister of Public Works is confident that when the works at Port Colborne are completed a large part of the trade that now centres in Buffalo will be diverted to the Canadian route. This we can readily believe, but the Minister failed to assure us that the works at Port Colborne were being pushed along as rapidly as they might be. They have now been on the way for some years, and yet there is no intimation given when that point will be available for the use of the large class of vessels in vogue on the upper lakes to trans-ship, as they do in Buffalo.

Those works are under the control of his department and the Minister might do well to infuse more energy in their construction and enlighten those interested in the trade as to when they will be completed. The Minister was very enthusiastic on the subject of the opening of the French River from the Georgian Bay to Lake Nipissing and North Bay. The benefit of this will, doubtless, be great, as it will give a short railway connection between the great lakes and the ocean port of Montreal. That project is one of great importance to this city as well as to the Western country, and it is entitled to the most serious consideration.

The French River navigation is a part of the projected Georgian Bay canal to Ottawa through which the great Western trade of the future will reach Montreal and other ports on the St. Lawrence. When that work is accomplished and the united energies of the citizens are concentrated on the determination to further its

prosperity the city may reasonably hope to see its population increased to 1,000,000 inhabitants, which the Minister of Public Works fixed last Saturday it would reach within the next twenty years.

As he has promised on many previous occasions, the Minister told us again at the banquet that Montreal is to be fully equipped with elevators and all the most modern appliances and facilities for handling traffic. This is perhaps the most disappointing part of the interesting speech he made on Saturday. It is too well known there is a deadlock in this matter as a consequence of the difficulty and want of harmony between him and the Harbour Board. So far there seems to be no prospect of that deadlock being broken but until it is the outlook for anything useful or satisfactory being done in all the important features yet to be decided is far from encouraging. The Minister has a strong individuality—he has under the law the responsibility, and it appears to many minds that it is his plain duty to take action that will ensure that no further time is lost when dealing with these vital matters. In this connection it is noticeable that nothing was done at the last Harbour Board meeting on Wednesday tending to forward the important features required to equip the harbour with all the proper facilities. No comprehensive plan of what is necessary has as yet been even outlined or seriously discussed. A great deal more than an elevator is required and yet that is the only feature discussed—apparently because it affords a favourite subject for wrangling about. At the last meeting there was the usual talk but it was fruitless of results tending to progress. Some remarks were made about the better treatment Quebec gets from the Government than Montreal does, that were reasonable and to the point and they will have to be dealt with by the Government, sooner or later. The Commissioners are, apparently, now realizing that Quebec is very much in earnest and is vigorously wide awake after a long sleep of years. The leading men there know what they want and appear to be a unit in the endeavour to get it.

It is a matter for regret that the reverse of this will apply to Montreal. The sooner our people wake up and take an object lesson from Quebec and work during the holiday season as well as at other times, the better it will be for the interest of the city.

Another financial year of the trust has passed and strange the Board has not yet issued the annual report for the year 1900, although required to do so both by law and custom, and the report for 1901, is, according to the custom of former years, now fully due. We have on occasions required information that should readily be obtainable in those reports, and we have several times asked for the report for 1900, both privately and in these columns, without any satisfactory explanation as to why it is not published.

Perhaps some of the Commissioners might spare the time to find out why that report is withheld, and if it is the intention to publish no more reports in the future for general information.

—It is stated that the LaBlanche River Pulp & Paper Co., which has secured water powers from the Ontario and Quebec Governments, will immediately commence the erection of a large mill three and a half miles above Mattawa. It is expected that the mill will be completed within a year from date, and the total expenditure upon it will be \$750,000.

NORTH AMERICAN LIFE ASSURANCE CO.

If life insurance companies are subject to the same vital laws as mankind the North American Life attained its majority at the close of last year, when its 21st annual statement was prepared. The occasion is always one for rejoicing and congratulations which were amply justified by the results of the business of 1901, and by the remarkable advance made by the Company since it was established.

The following comparisons show the development in 1901:

	1900.	1901.	Increase.
Premiums received	\$822,929	\$922,935	\$100,006
Interest and rents	183,041	176,461	D 6,580
	<u>\$1,005,970</u>	<u>\$1,099,396</u>	<u>\$93,426</u>
Gross assets	3,977,263	4,420,773	443,510
Payments to policyholders	304,679	386,688	82,009
Net surplus	500,192	507,441	7,249
New insurance issued .. .	4,153,150	5,520,067	1,366,917
Insurance in force	24,883,061	27,977,794	3,094,733
Assurance and annuity reserve fund	3,362,709	3,808,229	445,520
Guarantee fund	60,000	60,000	.....

The addition made to the assets of \$443,510 was invested in stocks and bonds of the best class to the extent of \$308,389, and the balance in loans on call.

The financial position of the North American Life is, beyond question, one of exceptional strength, and the growth of its resources so steadily year by year evidences the sound principles upon which the company is based, and the eminent business ability with which its affairs are administered. In both these respects the Company has the special advantage of the services as Managing Director of Mr. William McCabe, LL.B., F.I.A., F.S.S., who combines marked talent as an Actuary with all the sagacity and prudence needed in conducting the financial operations of a life assurance company. He has an able lieutenant in Mr. L. Goldman, A.I.A., the Secretary, and the Board comprises a number of financiers of high reputation. In this city and Province, Dr. Auld and his colleague, Mr. McConkey, are held in high esteem and very assiduously and worthily represent this eminent, progressive and strong institution, which is a credit to the Dominion.

DUTY ON PAPER REDUCED.

As a result of the inquiries, brought about through the efforts of several newspapers, the Customs duty on news printing paper has been reduced.

At the last session of Parliament a deputation of representative newspaper men waited upon the Government and made allegations that there existed amongst Canadian paper manufacturers an association or combine for the purpose of unduly enhancing the price of news print, the class of paper on which newspapers are printed. It was urged that the Government should take advantage of section 18, of the Customs' Duty Act of 1897, to appoint a commissioner for the purpose of having these charges investigated on oath. The section of the Customs' Act invoked, reads:

"1. Whenever the Governor-in-Council has reason to believe that with regard to any article of commerce there exists any trust, combination, association or agreement of any kind, among manufacturers of such articles or dealers therein, to unduly enhance the price of such article to unduly promote the advantage of manufacturers or dealers at the expense of consumers, the Governor-in-Council may commission or empower any judge of the Supreme Court

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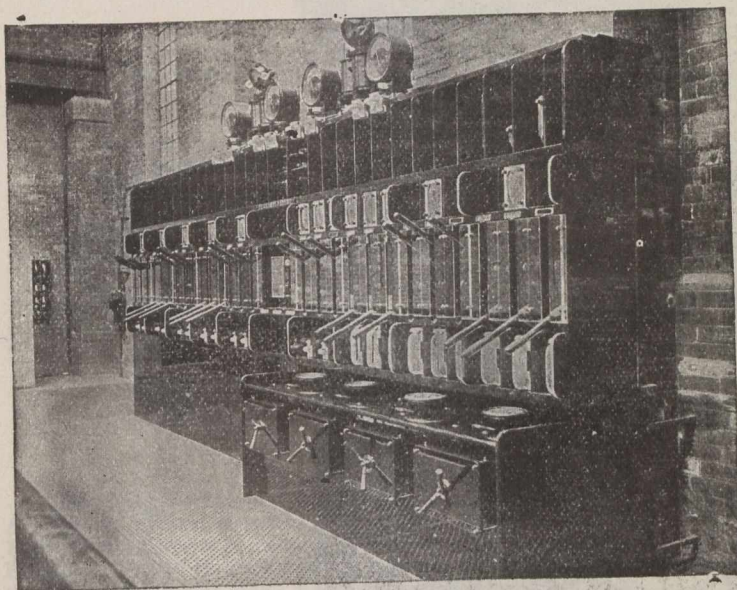
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or Exchequer Court of Canada, or of any Superior Court in any province of Canada, to inquire in a summary way into and report to the Governor-in-Council whether such trust, combination, association or agreement exists.—2. The judge may compel the attendance of witnesses and examine them under oath, and require the production of books and papers, and shall have such other necessary powers as are conferred upon him by the Governor-in-Council, for the purposes of such inquiry.—3. If the judge reports that such trust, combination, association, or agreement exists, and if it appears to the Governor-in-Council that such disadvantage to the consumers is facilitated by the duties of customs imposed on a like article, when imported, then, the Governor-in-Council shall place such article on the free list, or so reduce the duty on it as to give to the public the benefit of reasonable competition on such article.

Judge Henri T. Taschereau, of Montreal, was appointed commissioner on the 25th April last to enquire into the matter, and a very full investigation was held. The commissioner's report is dated November 15th last.

Judge Taschereau in his report, says he started out to enquire (1) whether the alleged association, or combination, or agreement does exist in Canada; (2) if so, whether it is such as to unduly enhance the price of news and printing paper, or in any other way to unduly promote the advantage of the manufacturers or dealers at the expense of the consumers. Commissioner Taschereau shows that such an agreement does exist and quotes the agreement by which on February 21st, 1900, twenty-six manufacturing companies or firms, being practically the producers of news and printing paper in Canada, formed themselves into an association, to be called "The Paper-Makers' Association, of Canada." Only twelve companies paid the deposit of \$500 called for by the rules of the association, and these are considered now to be the only members of the body. The firms referred to are: W. Barber & Bros., Georgetown; The Canadian Paper Company, Mont-

real; The Dominion Paper Company, Montreal; The E. B. Eddy Company, Hull; The Lincoln Paper Mills Company, Merritton; A. McArthur & Co., Montreal; The Rolland Paper Company, Montreal; The St. Croix Pulp and Paper Company, Halifax; The Riordon Paper Mills Company, Merritton; J. C. Wilson & Co., Montreal; The Consolidated Pulp and Paper Company; J. Forde & Co., Portneuf.

The agreement between the manufacturers embraces all sales in Canada and Newfoundland, but does not embrace paper exported out of the Dominion, with the exception of Newfoundland.

The principal provision of the agreement binds the contracted parties not to quote, offer or agree to sell the goods covered by the agreement at lower prices or on better terms and conditions than those fixed by the schedule of prices agreed upon. In order to keep a check upon one another the secretary-treasurer of the association is permitted at all times to have access to the books, papers and correspondence of any firm belonging to the association. The penalty for violation of the agreement is \$500; on or before the 15th of each month the members, their agents and travellers are to send a solemn declaration to the secretary-treasurer that the agreement has not been violated. The secretary-treasurer is empowered to investigate all charges of violation of the agreement, and if proved to impose a fine of not less than \$50, and no more than \$500.

Commissioner Taschereau proceeds to quote from the minutes of the different meetings of the association the change in prices agreed upon. At the meeting of the board in March, 1900, certain equalization or mill points were chosen, namely, Montreal, Toronto, Ottawa, London, Hamilton, Hull, Kingston, Brantford, Windsor, Sarnia, St. John, and Halifax, freights being equalized on these points. On the 7th March, 1901, Quebec, St. Catharines, Merritton, Newboro, Strathcona and Chatham were added to the list of equalization points. Judge Taschereau says that the facts and proceedings establish beyond a doubt the existence of the association; they show its prin-

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incipal object to be, the regulation and maintenance of specified prices for paper. They reveal its organization and rules, its complete power, influence and control over the paper manufacturers and dealers of the country, and they indicate the true character of a combination still extant, and having at its own disposal a very powerful mechanism. The judge, therefore, says that the first question must be answered in the affirmative. There was, and there is an association formed among manufacturers of news and printing paper in Canada, for regulating and maintaining specified prices of said article. The said manufacturers have entered into an agreement, and the said agreement amounts to a combination.

To solve the second question, whether the said combination unduly promotes the advantage of the manufacturers at the expense of the consumers the commissioner said it became necessary to ascertain what was the state of the market in Canada, and in the United States, relatively to news print previous to the time of and since the combination. He quotes the evidence of Mr. C. N. Robertson, manager of the Journal Printing Company, Ottawa, whose evidence, he says, stands uncontradicted in the main. In 1896 the price for rolled news print per 100 pounds was \$2.75; from that time it fell steadily until November, 1899, when it was as low as \$2.03 to \$2.10, when the association was formed it steadily rose until it reached the price of \$2.50, while the price was increased in Canada there was also a rise in the United States, and subsequently a reduction in the United States, but prices held steady in the Dominion. Other disadvantages resulting to consumers from the regulations of the association were (1) the reduction in the period of credit from four months to three; (2) the right to return waste or unused paper which formerly formed a feature of all contracts and sales was denied. The average loss to the consumer being equiva-

lent to 10 cents per hundred pounds; (3) the discrimination against certain consumers by the creation of equalization points means the payment by those consumers of additional freight equivalent to 12½ cents per hundred pounds. Adding to the 25 cent increase in prices, 10 cents for the loss of the right to return waste, and 12½ cents for additional freight, there is as a result of the combination, a total increase of 47½ cents per hundred pounds against consumers living at non-equalization points, and of 35 cents per hundred pounds, against consumers living at equalization points.

The commissioner says the enhancement of prices as originally made by the association was certainly not justified by the facts and by the state of the market at the time. He goes on to consider whether there was anything undue, unreasonable, excessive or oppressive in the act complained of. In such cases the injury to the public is the controlling consideration. Monopolies are liable to be oppressive and hence are deemed to be hostile to the public good. The commissioner is afraid that the combination now attacked falls under monopoly conditions. The declared object of the Paper Makers' Association of Canada was the regulation and maintenance of "fair prices of paper." The association, immediately after its formation, determined and fixed prices, which are found to be unfair, and detrimental to consumers and the public good. The result was the complaint of the Canadian Press Association, and the action taken by the Government under the statute, that action, the judge said, was well taken. Judge Taschereau therefore reports that in his judgment, and taking the whole evidence into consideration, the said enhancement of prices and other disadvantages to consumers caused by the combination, whose existence is proved, admitted and reported, are to the extent already indicated, undue, unreasonable, and oppres-

Butterworth & Dickinson,

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"Globe Burnley,"

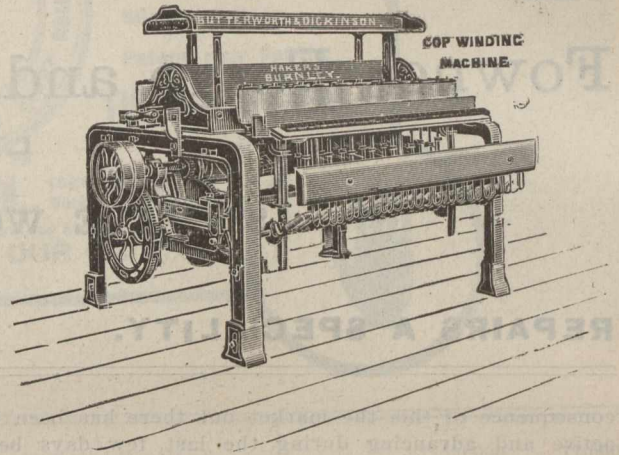
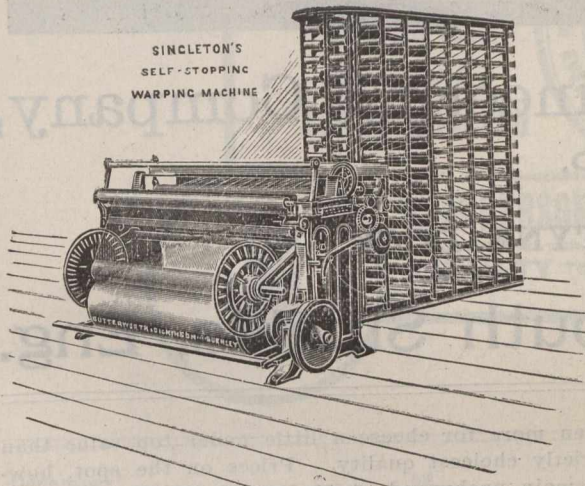
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sive, and unduly promote to the same extent the advantage of the paper manufacturers of Canada at the expense of the consumers. In conclusion, he declares that the present combination is illegal, both by the express enactment of the customs tariff and by section 520 of the Criminal Code.

After duly considering the commissioner's report, the Government, seeing that the report sustains the complaint of the Press Association, has concluded to exercise the power given to it under the act. Accordingly, an order-in-council was approved by His Excellency on the 11th inst., to the following effect: "The customs duty on news printing paper, in sheets and rolls, including all printing paper, valued at more than $2\frac{1}{4}$ cents per lb., shall be reduced from 25 per cent. to 15 per cent., ad valorem."

Mr. Fielding explained that the order-in-council only applied to news print because it was in this matter solely that the Canadian Press had complained.

ton Store, dry goods; Globe Store, dry goods; National Clothing Company; Kent's drug store; Kinsille's drug store; Muzzy's hardware and general merchandise; Marshall & Ball, clothiers; John Norwood, paints; Oberg's grocery; Wortendyke's grocery; P. H. & W. G. Shields, grocers; "The Paterson" dry goods; Jordan's piano store; Sauter & Co., pianos; Feder & McNair, shoes; Zender's confectionery; Lappin's tea store; Ragowski's millinery; Brohal & Mueller, shoes; C. E. Beach, automobiles; Morehead & Son, clothiers; Paterson Gas & Electric Co.; Skye's drug store and Mackintosh's drug store.—An estimate made from a general inspection of the smouldering ruins placed the number of dwellings and apartment houses destroyed at five hundred, and the number of families left without shelter at one thousand. A re-estimate when order succeeds confusion may alter these figures either way. The area of destruction foots up roughly twenty-five city blocks. Insurance losses are given on another page.

THE PATERSON, N.J., CONFLAGRATION.

Following closely the disastrous fire which caused a loss of over \$3,000,000 to the city of Waterbury, Conn., the city of Paterson, New Jersey, was visited on the 9th instant, by a conflagration which laid a large part of that city in ashes, causing a loss roughly estimated at \$6,000,000, with insurance of about one-half.

Following is a partial list of the principal properties destroyed: Public buildings—City Hall, Public Library, Old City Hall, Police Station, No. 1 Engine House, Patrol Stables, High School and School No. 15.—Churches—First Baptist, Second Presbyterian, Park Avenue Baptist, St. Mark's Episcopal and St. Joseph's Roman Catholic.—Banks—First National, Second National, (partially), Paterson National, Silk City Trust, Hamilton Trust, and Paterson Trust.—Club houses—Young Men's Christian Association, Knights of Columbus, Progress Club, St. Joseph's Hall and Hamilton Club.—Office buildings—Romaine Building, Katz Building, Marshall & Balls, Cohn Building, Old Town Clock, Old Kinne Building, and Stevenson Building.—Telegraph Companies—Western Union and Postal Telegraph.—Theatre—The Garden.—Newspapers—The Evening News and Sunday Chronicle.—Stores—Quackenbush & Co., dry goods; Bos-

RAW SILK.

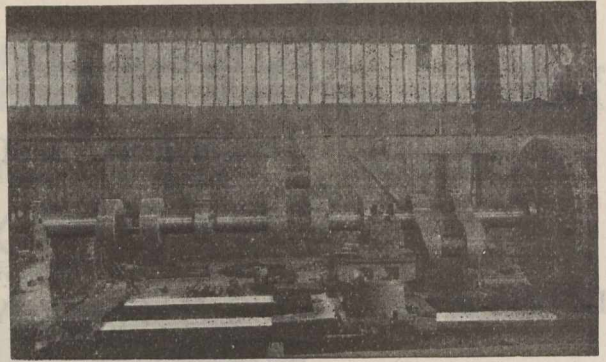
While cable advices of recent weeks have tended to show conflicting elements, the conclusion arrived at by leading U.S. manufacturers is that there is every chance of higher prices ruling as the season opens. The growing demand for shirtwaists is pushing more and more the demand for silk goods of various shades, and as silk is now almost as low in price as the finer grades of ginghams, it is but natural to expect a constantly increasing demand. The latest cables from Yokohama state that the market is very firm, with prices showing an advance of from 10 to 15 yen, owing, it is stated, to rapidly diminishing stocks.

Although few buyers are willing to predict radically higher prices in Japanese silks before the new crop, the majority believe in the strong statistical position of the raw material, and upon this base their belief that values will steadily advance. A leading firm in the trade reports as follows: "The market during the past week has shown unmistakable signs of improvement and there is more general interest shown on the part of buyers in all classes of silk. It has again been the Canton flatures which have attracted particular attention, and prices for which look decidedly cheap in comparison to Japan silks. In

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consequence of this the market out there has been very active and advancing during the last few days before closing for the celebrating of the Chinese new year, which is now on. There has also been a very good demand for Canton re-reels, the supply of which, however, is almost exhausted, and it is doubtful if all that may still be expected of this sort for the rest of the season will amount to more than 200 bales. There has also been a more general interest exhibited in tsatlee filatures and cables received from Shanghai report the market as very firm and advancing. Some consumers who are well in touch with the market have already made contracts for their supplies up to June next, while others are fast falling into line. It is reported that best grades of tsatlees have largely been bought up already and that higher prices may be expected for this class of goods during the spring.

In Yokohama prices have ruled very firm during the week and show a slight advance over last week's quotations, although the market has been only moderately active. As regards Italian silks considerably more desire is manifested on the part of consumers to make contracts for late deliveries extending as far as May and June, but their offers meet not only with a further advance in prices, but with a great deal of reluctance on the part of reelers to engage their production for so long ahead. Business in consequence has been very difficult to transact and the market is from 50 centimes to one franc higher than at the close of last week. Cables received from Milan report that the demand is animated and prices advancing all around."

DAIRY PRODUCE.

—A private London circular, date 31st ult., treating of the dairy produce situation, says: Butter.—The demand for Australian and New Zealand butter is fully equal to the supply, and prices show an advance of about 2s per cwt. for choicest brands. There is a growing demand for Colonial butter at 90s to 96s, but arrivals of this quality are not large and consequently soon sold. In fact, the quality suitable for a shilling retail is diminishing weekly, and a keener competition for any pure clean-flavoured butter selling from 92s to 98s, is being experienced every day. The Danish Official Quotation has been raised this week by 2 kroner, and now stands at 94 kroner against 103 kroner at this date last year. The low prices at which Danish butter has been offering of late has brought an increased demand, but buyers have not yet realised that prices must make an advance in the near future. The rise in the Official Quotation yesterday will probably bring this home to many.

Cheese.—The demand for Canadian cheese this week

has been more for cheese a little under top value than for strictly choicest quality. Prices on the spot, however, remain unchanged at 51s to 52s for choicest, and 47s to 50s for finest. Quotations for c.i.f. transactions are a little lower on the week, but this is looked upon as temporary, the position generally being regarded as sound. New Zealand cheese is meeting a good demand at 50s to 51s for strictly choicest, with a few shillings less for finest. Same week last year Canadian choicest fetched 53s to 54s and finest, 51s to 52s. Moisture in Butter.—The Department Committee appointed by the Board of Agriculture some time ago to consider the amount of moisture that might be sold in butter without infringing the law on adulteration, under the Sale of Food and Drugs Acts, has issued an interim report. The Committee recommends that the legal limit be fixed at 16 per cent. Any addition to this amount to be fully made known to the purchaser at the time of sale. This seems a practical and reasonable solution of the difficulty.

COCOA BUTTER AUCTIONS.

Among articles of recent manufacture which have attained to considerable popularity cocoa butter holds a high place. Its uses are many and its virtues are being extended as they are becoming better known. As a result of the lower average at which the monthly sales of cocoa butter, held at London and Amsterdam, on the 4th instant, went off, says the Oil and Drug Reporter, quotations on the article have been slightly reduced. Another cause for the decline was the present extremely uninteresting and dull condition of the market. The Amsterdam auction went off at an average of sixty-nine Dutch cents per half kilogram, a decline of two Dutch cents from the average of the previous sale. At London the average was one-quarter penny under that of the auction held in January. We publish below a table giving the average prices paid at each sale since February of last year:

	Amsterdam, Dutch cts. Per ½ kilo.	London, Pence. Per pound.
1901.		
February	85½	17 8-16
March	75¾	15 12-16
April	71¼	13 8-16
May	77	14 9-16
June	85	17 3-16
July	87	17 -
August	83	16 8-16
September	84	16 4-16
October	78	14 -
November	74	12 10-16



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December	69	12 10-16
1902.		
January	71	12 10-16
February	69	12 6-16

The amount offered for sale at the Amsterdam auction was slightly smaller than that of last month, but at London the offerings were larger, as the following table shows:

	Amsterdam. Tons.	London. Tons.
1901.		
February	101	120
March	143	60
April	110	100
May	90	55
June	65	35
July	60	35
August	45	35
September	60	25
October	80	50
November	104	100
December	103	80
1902.		
January	119	70
February	110	90

—Citizens of Brockville, Ont., carried a by-law to raise \$50,000 for improvements to the gas-electric light plant.

WATERBURY AND PATERSON, U.S., INSURANCE LOSSES.

Following is a list of insurance and losses in the Waterbury, Conn., and Paterson, N.J., conflagrations, as compiled by our New York namesake:

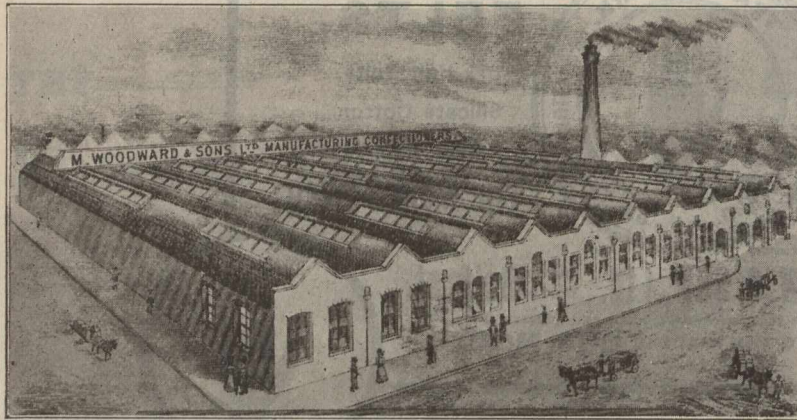
	Gross amount involved.	Net loss esti- mated.
Aetna of Hartford	\$33,000	\$30,000
Agricultural of Watertown	5,000	5,000
Amer. Central of St. Louis	18,000	18,000
American of Boston	13,000	6,000
American of Newark	15,000	15,000
American of Philadelphia	12,000	12,000
Assurance Co. of America	1,250	1,250
Boston, of Boston, Mass	9,700	9,700
British America of Toronto	4,600	4,600

Caledonian of Scotland	20,000	17,600
Capital of Concord	5,000	5,000
Commercial Union, London	43,000	38,000
Commercial Union, N.Y.	5,000	5,000
Continental	15,000	15,000
Connecticut Fire	15,000	15,000
Delaware of Philadelphia	16,000	11,000
Eagle of New York	2,500	2,500
Fire Assoc. of Philadelphia	6,500	6,500
Fireman's Fund of Cal	4,000	3,250
Firemen's of Newark	8,750	8,750
Franklin of Philadelphia	7,500	7,500
German-American	12,000	10,000
Germania, N. Y.	7,500	7,500
Glen's Falls	13,500	13,500
Greenwich of New York	8,000	7,000
Hamburg-Bremen	15,000	12,000
Hartford Fire	20,000	20,000
Home of New York	20,000	20,000
Imperial of London	7,500	7,500
Indemnity, N.Y.	2,000	2,000
Insurance Co. North America	20,000	20,000
Liverpool & London & Globe	20,000	20,000
London & Lancashire	6,750	6,750
Manchester of England	9,000	7,500
Mercantile of Boston	8,000	8,000
Michigan of Detroit	5,000	5,000
Milwaukee Mechanics', Milwaukee	5,000	5,000
National of Hartford	10,000	10,000
National of Ireland	2,000	2,000
National Standard, N.Y.	1,250	1,250
New Hampshire	13,000	13,000
Niagara, N.Y.	11,000	11,000
Northern of London	4,500	4,500
Norwich Union	25,000	25,000
North British & Mercantile	6,300	6,300
Orient of Hartford	6,000	6,000
Palatine of London	5,000	5,000
Pennsylvania	9,500	9,500
Phoenix of Brooklyn	14,000	14,000
Phoenix of Hartford	26,000	26,000
Phoenix of London	26,000	26,000
Queen of America	15,000	15,000
Royal Exchange, London	13,000	13,000
Royal of Liverpool	41,000	41,000
Scottish Union & National	25,000	12,500
Security of New Haven	9,400	9,400
Springfield F. & M.	20,000	20,000
Spring Garden	8,500	8,500
Sun of London	21,500	19,500
United States, N.Y.	16,000	14,000
Westchester of N.Y.	17,000	12,500

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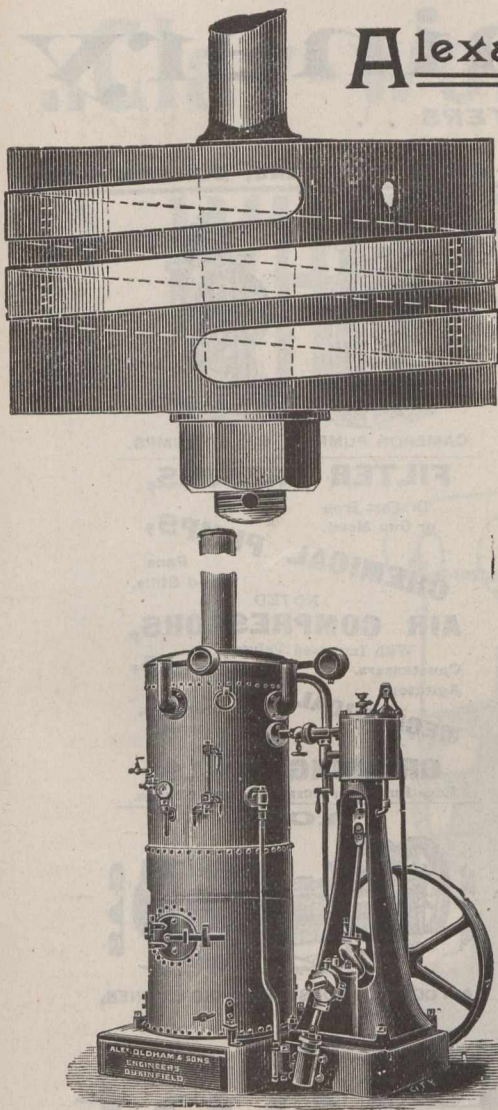
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Wavertree, - Liverpool, Eng.

Telegraphic Address: "TOXTETH, Liverpool."

Telephone 44, Wavertree.

Western of Toronto	7,500	7,500	Liverpool & London & Globe	90,000	90,000
Williamsburg City, N. Y.	20,000	14,000	London & Lancashire of Liverpool..	10,775	10,475
Paterson, N. J.			London Assurance of London	12,000	12,000
	Gross	Net amt.	Mechanics' & Traders' New Orleans.	20,000	20,000
	amount	of loss to	Metropole of Paris, France	5,000	5,000
	involved.	company.	Milwaukee Mechanics' of Milwaukee.	25,000	20,000
Aetna of Hartford	\$50,000	\$50,000	Manchester Assurance of Manchester	21,000	21,000
American Lloyds of New York	25,000	25,000	Merchants' of Newark	55,000	50,000
American of Newark, N.J. . . . .	.....	100,000	Manufacturers' Lloyds of New York.	7,500	7,500
Agricultural of Watertown, N.Y.	15,000	10,000	National Standard of New York ..	5,000	5,000
American of Philadelphia	8,500	8,500	Norwich Union of Norwich	35,000	35,000
Aachen & Munich of Germany	7,000	7,000	New York Underwriters' Agency ..	.....	50,000
Alliance of London	2,500	2,500	New York of New York	12,500	12,500
Assurance of America	5,000	5,000	Niagara Fire of New York	25,000	22,850
Atlas Assurance of London	28,000	28,000	North British & Mercantile of Lond.	85,000	80,000
British America of Toronto	50,500	46,000	Northern of London	7,000	7,000
British American of New York	2,500	2,500	North River of New York	23,000	20,000
Connecticut of Hartford	100,000	.....	New England Lloyds of Providence.	20,000	20,000
Commerce of Albany	5,500	4,500	Newark Fire of Newark, N.J.	18,000	15,000
Camden of Camden, N.J.	11,000	11,000	North American of Boston, Mass.	6,500	5,000
Concordia of Milwaukee, Wis.	23,000	10,000	Northern of New York	11,000	7,500
Caledonian of Edinburgh	34,000	31,500	Northwestern National, Milwaukee.	27,000	24,000
Colonial of New York	20,000	20,000	New Hampshire of Manchester, N.H.	55,000	55,000
Commercial Union of London	123,000	63,000	National Assurance of Ireland . . . . .	.....	15,000
Commercial Union of New York	9,000	6,000	National Fire of Hartford, Conn . . . . .	.....	60,000
Continental of New York	185,000	155,000	New York Reciprocal Underwriters.	85,000	85,000
Commonwealth of New York	15,000	15,000	Orient of Hartford, Conn.	4,000	4,000
Dutchess of Poughkeepsie, N.Y.	8,500	8,500	Pennsylvania of Philadelphia, Pa.	26,000	26,000
Delaware of Philadelphia, Pa	17,200	15,700	Phoenix of Hartford, Conn.	67,000	55,000
Fine Arts and General of London	5,000	5,000	Palatine of London	23,990	20,000
Firemen's of Baltimore, Md	25,000	20,000	Phoenix of London	55,000	50,000
Firemen's of Newark, N.J.	20,000	20,000	Pelican of New York	5,000	5,000
Fireman's of San Francisco, Cal.	4,000	4,000	Phenix of Brooklyn	50,000	50,000
Glens Falls of Glens Falls, N.Y.	18,000	14,500	Prussian National Stettin, Germany	21,500	21,500
Guard, Fire & Marine of Phila., Pa.	2,500	2,500	Queen of America	115,000	100,000
Great Western Lloyds of New York.	10,000	10,000	Reading Fire of Reading, Pa.	24,000	19,000
German-American of New York . . . . .	.....	65,000	Royal of Liverpool	80,000	75,000
German Alliance of New York	10,000	10,000	Royal Exchange Assur. Cor., London.	33,000	17,000
German Underwriters' of Milwaukee.	5,000	5,000	Sun, of London	30,000	30,000
German of Freeport, Ill. . . . .	.....	20,000	Svea Assur. of Gothenburg, Sweden.	19,000	16,000
Germania of New York	200,000	150,000	Scottish Alliance of Glasgow	10,000	10,000
Globe & Rutgers of New York	15,000	12,000	St. Paul Fire & Marine, of St. Paul.	.....	50,000
Greenwich of New York	22,500	20,000	Springfield F. & M., Springfield, Mass	110,000	100,000
Hamilton of New York	10,000	10,000	Scottish Union & Nat. of Hartford.	90,000	50,000
Hamburg-Bremen of Germany	42,500	40,000	Security of New Haven, Conn	2,500	2,500
Home of New York	90,000	80,000	Spring Garden of Philadelphia, Pa	5,000	5,000
Hanover of New York	60,000	50,000	Standard Fire of Trenton, N.J.	11,000	11,000
Hartford of Hartford, Conn . . . . .	.....	98,000	Tentonia of New Orleans, La.	7,200	7,200
Home Fire & Marine, San Francisco.	4,000	4,000	Traders' Fire of Chicago, Ill	10,000	10,000
Ins. Co. of North America, Phila.	35,000	27,500	Thuringia of Erfurt, Germany	45,000	45,000
Indemnity of New York	1,600	1,600	Union Assur Society of London	2,400	2,400
Lafayette of New York	5,000	5,000	United States Fire of New York	7,000	7,000
			Union of Paris,	10,000	10,000
			Williamsburgh City Fire of Brooklyn	10,000	10,000



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Westchester of New York	108,000	74,000
Western Assurance of Toronto	42,500	40,000
Totals	\$3,473,665	\$3,076,225

FIRE LOSSES.

Montreal, Feb. 10.—Residence of W. A. Fleming damaged. Loss to building and contents, \$1,500; fully insured in several companies.—Napanee, Ont., 7.—Fire which started in D. E. Rose's drug store, burned the following properties: Richardson's barber shop, the G.N.W. telegraph office; Miss Donahue, dressmaking; Johnston, general store; Floyd & Son, merchant tailors, shop and residence; York's barber shop, J. O'Brien's shoe store. D. E. Rose, sr., residence also destroyed. The following is a summary of the losses: Rose's drug store, \$800, stock \$3,000; Richardson's barber shop, G.N.W. telegraph offices and Miss Donahue's dressmaking establishment, \$300; Johnston's general store, \$1,000, stock \$8,000; Floyd & Sons, tailor shop \$500, stock \$2,500, residence \$1,000; York's barber shop \$300, contents \$200; J. O'Brien's shoe store and Thos. Barry's grocery, \$1,000; Rose's double dwelling, \$1,100. As near as can be ascertained the following is the amount of insurance carried: D. E. Rose, \$3,000 on stock and building, said to be in Anglo-American; H. E. Thornton, \$1,450 on building and contents of barn, \$1,000 in Commercial Union and \$450 in Caledonian; Floyd & Son, \$2,900 on stock, house, contents and buildings, \$900 in Mercantile and \$2,000 in London Mutual; Jas. Johnston, \$4,300 on stock, \$2,000 in Perth Mutual, \$1,800 in Mercantile and \$500 in Caledonian; Miss M. D. Reid, \$200 on building. Other losers have small policies.—Belleville, Ont., 6.—Mr. Walsh's barn, Thurlow, destroyed, with all its contents, which included seven head of cattle, two horses, implements, etc. Loss, estimated at \$1,500, is partially covered by insurance in the London Mutual.—Fredericton, N.B., 9.

—M. Fickler & Co.'s departmental store burned. Loss about \$30,000; insurance, \$17,000. Buildings, owned by A. Calder was not insured.—Parry Sound, Ont., 7.—Store in Parry Harbor, occupied by L. H. Schneider, jeweller, and J. Clark, as dwelling, destroyed. Partial insurance on jewellery and building.—Toronto, 9.—Warehouse of D. Gunn, Brothers and Company, badly damaged; fully insured.—Toronto, 10.—Church of St. Giles damaged to extent of \$4,000; fully insured.—London, Ont., 10.—W. Long's general store and residence damaged. Loss on building and stock \$1,200; insurance about one-half. Supposed cause, mice and matches.—Alvinston, Ont., 10.—J. Madole's dwelling burned. Cause, defective chimney; insured in Mercantile for \$600.—Hamilton, 10.—C. E. Fernside's greenhouse damaged. Loss about \$600.—Winnipeg, 10.—Troy laundry building badly damaged.—Sundridge, Ont., 10.—A. A. Anderson's store and A. Mills' harness shop burned. Both insured.

—Estimates have been called for by the Canada Atlantic Railway on lumber, iron, fittings, and other material entering into the construction of box cars. If satisfactory negotiations can be made for the purchase of the above, work will be started in the spring at the car shops at Ottawa East. The growth of the grain, lumber, and general freight traffic has made a large addition to the rolling stock of the road necessary. It is the intention—according to an Ottawa letter—if the preliminary arrangements carry, to place a large staff of men at work in both shops and operate the plants to their fullest capacity. Over 1,500 box cars are provided for in the estimates. The building of these cars will be a great boon to Ottawa, as the car shops when working full time, furnish employment for 1,000 men. The daily output ranges from five to ten cars, so that the contemplated contract would keep the shops busy seven or eight months at the least. The only difficulty standing in the way is the scarcity of fixtures and railroad iron in the States.

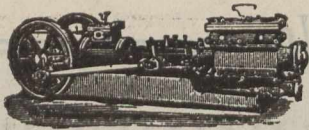
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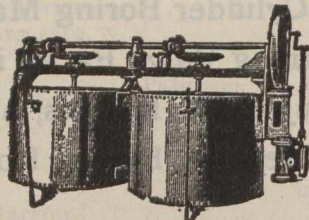
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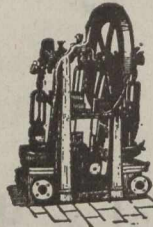
GLYCERINE PLANT,
With Fire or Steam Evaporation.



CRUTCHING MACHINES.

**SOAP
COMPLETE PLANTS
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All on Newest Design.



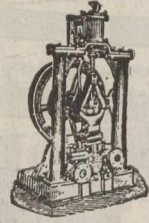
VERTICAL FRAME PUMPS FOR LIQUORS.

BRASS AND IRON CASTINGS
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**DRIVING, VACUUM,
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CAMERON PUMPS.



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FILTER PRESSES,

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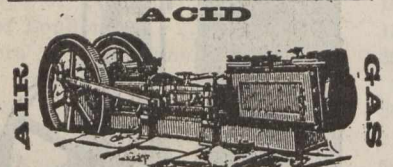
CHEMICAL PUMPS,
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and Stills.

AIR COMPRESSORS,
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With Improved Valves.

Causticisers.
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MECHANICAL FURNACES,
Absorbers,
Hoists, Cranes,
Winches.

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



AIR COMPRESSORS & BLOWING-ENGINES.

ST. HELENS JUNCTION, LANCASHIRE, ENGLAND.

Chemical Plant

PRICES AND PARTICULARS ON APPLICATION.

Special Prices to Canadians under the new Tariff

—The efforts of the Canadian Pacific Railway Company to develop interprovincial trade in Western Canada is meeting with success. A year ago the farm products, eggs and butter, used in large quantities in the mining regions of the Kootenays were almost exclusively supplied from the United States, which also furnished Manitoba and the Northwest Territories with fruit. There is now a large and growing interchange of products between Manitoba and the Northwest and British Columbia, and these districts find excellent markets in each other's territory. The appointment of experts to furnish information regarding the packing and shipping of fruit, the educating of the prairie farmer as to the new market in the mines, the reduction in freight rates, quick and satisfactory service, and other concessions made by the Canadian Pacific have contributed materially to this result. That this work of the railway company is recognized and appreciated by the fruit growers of British Columbia, is evidenced by a resolution unanimously adopted at the annual meeting of their association, to the effect that the Canadian Pacific Railway Company and the Government of British Columbia are urged to continue the work carried on by Mr. R. M. Palmer, in connection with the transportation and marketing of the fruit and farm products of British Columbia.

—The cabled announcement that a deputation is to wait upon the Colonial Secretary in regard to making provision for transporting the Welsh settlers in Patagonia to Canada was in keeping with expectations. It will be remembered, says an Ottawa letter, that Messrs. W. L. Griffith, the Canadian agent in Wales, and Rees, were sent by Hon. Clifford Sifton to Patagonia to investigate the condition of the Welsh settlers there, who numbered several

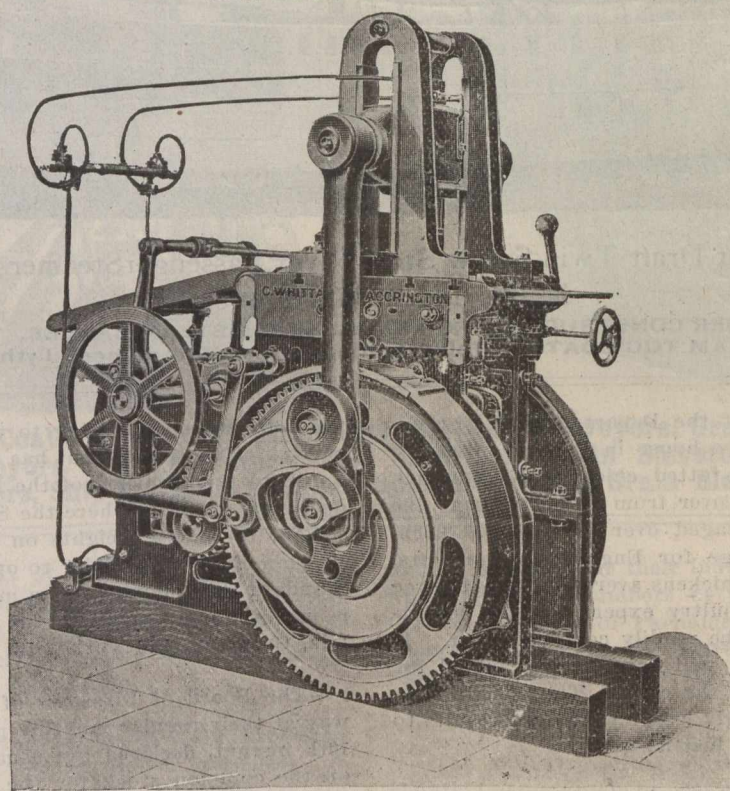
thousand. These settlers are located on the Chebut River, which at certain periods of the year overflows its banks, forcing the inhabitants to abandon their possessions for the higher country in the neighborhood. Such inundations cause great damage and render fruitless the labor of many months, so that the settlers would welcome the chance to move to Canada. The difficulty is to secure the means of transportation. On returning to England the commissioners made their report, and the communicated with the Ottawa authorities. A reply was sent to the effect that the Dominion Government desired to ascertain what the Imperial authorities were prepared to do in the matter. Presumably the deputation is now about to wait upon Mr. Chamberlain in order to find out if and to what extent aid will be granted from the Imperial exchequer towards finding a home in Canada for the Welshmen.

—It is reported that the Anglo-American Gypsum Company, which was incorporated recently under the laws of New Jersey, with a capital of \$2,000, will take over a number of valuable gypsum plants in Canada. For this purpose, it is said, the capital stock will probably be increased before a great while to something like \$8,000,000 to \$10,000,000. This has promoted an idea in various quarters that the United States Gypsum Company, otherwise known as the Trust, is to have an important rival. The capital stock of the United States Gypsum Company, which was incorporated under the laws of New Jersey in December last, has been increased to \$7,500,000. According to persons affiliated with the Anglo-American Gypsum Company, nothing will likely be given out in connection with the affairs of the new company for some time. An effort was made to ascertain if any of the independent gypsum companies that did not join the United

..Clay-working Machinery..

Manufactured by

C. WHITTAKER & CO., LTD.



**Dowry Street
Iron Works,**

ACCRINGTON Lancashire, England.

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

States Company will be included in the new company, but without definite results.

—The directors of the Standard Oil Co. have declared a quarterly dividend of 20 per cent. This is same as for the corresponding quarter last year and the year before. It had been thought in some quarters that the dividend might be cut. On the curb the stock made a favorable response to the dividend announcement. The shares opened at 645 and subsequently rose to 675. At the close, however, they reacted to 660. In the calendar year 1901 the company paid 48 per cent. on its capital in dividends, following a similar disbursement in 1900. In 1800 the rate was 33 per cent. and in 1898 30 per cent. In 1897 the company paid 33 per cent. and in 1896 31 per cent., while the rate in the years from 1891 to 1895 was 12 per cent. a year. The inaugural dividend of 1901 was 20 per cent.

—It is learned from Cleveland that according to A. B. Wolvin, the head of the Great Lakes and St. Lawrence River Transportation Company, that company is negotiating with the American Shipbuilding Company preparatory to placing an order for all of the ships which can be built during the present year. It is said the negotiations will be closed in a day or so. The boats will carry grain between Duluth and Quebec. The company has obtained possession of the elevator owned by the Great Northern Railroad of Canada stationed at Quebec, and it already has such facilities at Duluth. The levator capacity, therefore, has been arranged for and there will be no difficulty

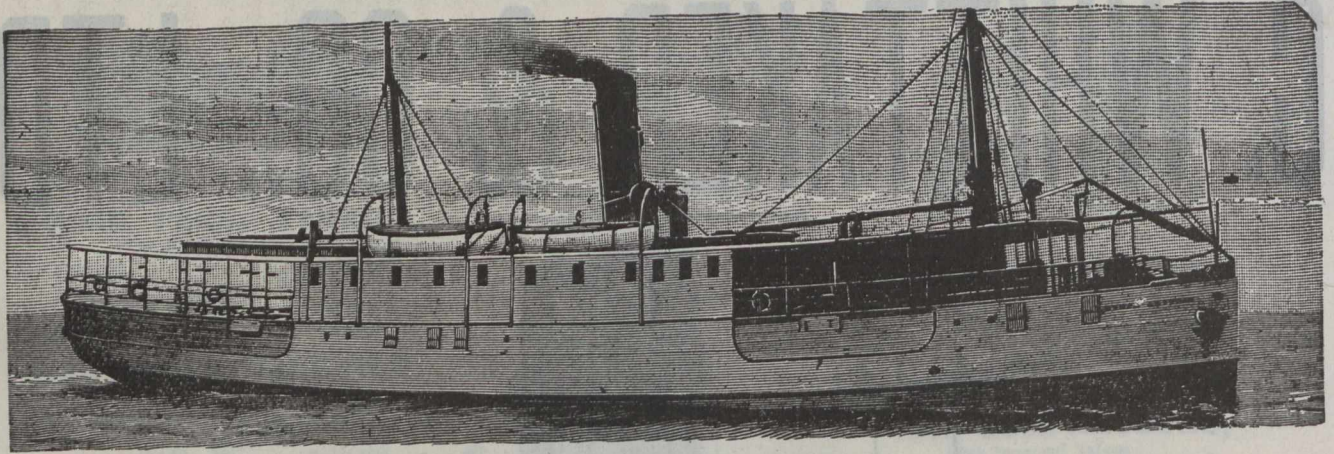
whatever in that respect. Presently, when the time shall permit, it is the purpose to erect new elevators.

—A statement by the Interior Department, Ottawa, of the homestead entries in the calendar years 1900 and 1901 by persons coming from the United States shows that 838 entries were made last year by persons from the Dakotas, as against 506 the year before; 240 were made by parties who removed from Iowa, as against 172 in 1900; 614 entries came from former residents of Minnesota, as against 347 in 1900; from Nebraska came 340 new homesteaders, as against 198 in the year before. Among the settlers flowing into Western Canada are representatives from every State of the American Union. The total number of Canadian homesteads taken up by parties who formerly resided in the States is 2,753, as against 1,851 in 1900.

—The right of railway companies to enforce any fair conditions upon tickets sold at reduced rates has always been clearly recognized by the Courts in United States and Canada. Recently, in the case of Taylor vs Grand Trunk Railway, this has again been confirmed. The plaintiff brought suit for damages for having been put off a train, owing to his failure to identify himself, as the contract of his excursion ticket clearly required, before resuming his return journey. The judge, at the close of the whole case, dismissed the plaintiff's action with costs to be paid by plaintiff, holding that the contract having been signed and entered into was binding, and that the plaintiff having violated the same had no cause of action.

Lytham Shipbuilding & Engineering Co.

LYTHAM, ENGLAND.



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

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

—A letter was received at the Department of Agriculture, Ottawa, from a produce house in London, urging a change in the shipment of fatted chickens to England. Birds which have been sent over from Canada during the past few months have averaged over five pounds each. This size is a little too large for English requirements, and the request is now for chickens averaging about three pounds each. Mr. Hare, poultry expert for the department, says this request can be readily complied with. It will mean that the chickens will have to be handled for one month less than is now the case. The cost of production will be correspondingly less, and the net results to the Canadian poultry raised just as great.

—The Russian oil trade is becoming more and more depressed. Small owners are, it is stated, bombarding the Government with petitions for easier terms, as they cannot make both ends meet. Many of them have applied

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.

for help in cash, offering to mortgage their wells as security. The Government has a scheme to reduce freights on oil to the frontiers of the Russian Empire, in order to open new markets where the Standard Oil Company has a scheme to reduce freights on oil to the frontiers of the Russian Empire, in order to open new markets where the Standard Oil Company has a monopoly. The Government is in correspondence with the Ministers of Trade in Austria, Germany, and Turkey on the subject.

—The Board of Directors of the Canadian Pacific Railway at their regular monthly meeting in Montreal, on the 10th instant, declared the usual dividend of $2\frac{1}{2}$ per cent. on the common stock for the six months ending December 31st. The financial statement of the company showed that during that period the company earned the interest on all its obligations and the 2 per cent. on its preferred stock, and had a balance equivalent to 7 per cent. on its common stock for the six months, or at the rate of 14 per cent. per annum, so that after paying the $2\frac{1}{2}$ per cent. for the half year, the company has $4\frac{1}{2}$ per cent. on its capital to be carried forward. The statement was regarded as highly satisfactory.

—Mr. Thomas Malcolm, a New Brunswick railway contractor, who has been in Montreal for some weeks endeavoring to interest capitalists in two enterprises in the Maritime Provinces, reports having been successful in making arrangements for the completion of two railways in the Provinces of Quebec and New Brunswick; the Quebec and New Brunswick, which will have Quebec and Edmundson as terminal points, and the other, the Restigouche & Western, which will run between Campbellton and St. Leonards. The construction of this line has been begun, but the Quebec & New Brunswick is only at the preliminary stage.

—A Brockville, Ont., letter states that J. R. Dargavel, one of the directors of the Eastern Ontario Butter and Cheese Association, returned this week from the Bedford Dairy District convention held at Cowansville, Que., at which it was announced that the Government intended installing two cheese-curing stations in Ontario and two in

JOHN STONES,

Shiffnall Mill,

BOLTON, Eng.

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

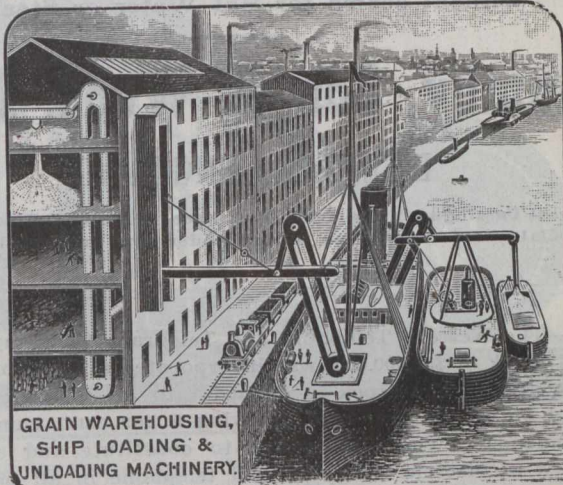
Also handles a Big Line of Goods, slightly damaged in process. These are valuable to Departmental Stores, under the New Canadian Tariff.

Contractors to H. M. GOVERNMENT.

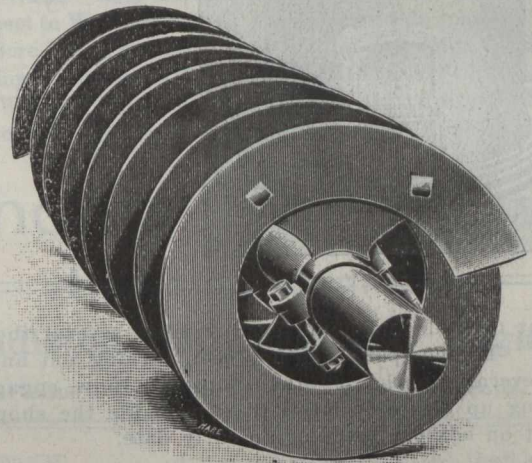
Telegrams : "CONVEYOR, ACCRINGTON."

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.

Quebec under the supervision of Prof. Robertson, Dairy Commissioner. One of the first of these will be established in Brockville, and it is expected that Professor Robertson will arrive shortly to confer with the leading dairymen of the district as to location.

—Lumbering operations are being extensively carried on this winter in the eastern part of Quebec province. A Quebec letter states that Messrs. Price Bros. and Co. are making 125,000 logs on the St. Marguerite River, and 30,000 to 40,000 on the River aux Canards. The Saguenay Lumber Co. of Escoumains, is making over 125,000. Maurice Tremblay is getting out 50,000 to 60,000 on the Black River at St. Simeon, and H. R. Dougall about 100,000 on the Manicougan. A quantity of railway sleepers are also being made on the North Shore, especially at Mille Vaches, Port Neuf and Laval.

—We learn from Toronto that the chairman of the Niagara Park Commission, Mr. J. W. Langmuir, announces that the contracts let by the power company or under negotiation, call for expenditures of \$1,716,000. The bulk of this money will be spent in Canada, the largest individual items being \$500,000 for the power canal and \$252,000 for three generators of 10,000 horse power each, with transformers to produce high voltage for transmission to Toronto and elsewhere. The Canadian General Electric Company got the contract for these.

—Manufacturers and workmen of the tobacco trade throughout Sweden have petitioned the Government to increase the import duty on manufactured tobacco. They allege that foreign tobacco, especially the United States'

article, has brought their industry face to face with ruin, and that large numbers of their work people are idle. Certain members of Parliament are preparing a counter proposal advocating the conversion of the tobacco into a State monopoly, and it is thought likely that their scheme will succeed.

—The annual meeting of the shareholders of the Merchants' Cotton Company was held at the company's offices, in Montreal, on the 11th instant. Owing largely to the fluctuations in the value of raw material for some time back, the earnings did not show as favorably as might have been expected. The following were elected directors for the ensuing year: Messrs. R. B. Angus, J. P. Cleghorn, James Crathern, Jonathan Hodgson, A. A. Ayer, Hon. Robert Mackay, and W. G. Cheney. Mr. Crathern was elected president, and Mr. W. G. Cheney vice-president.

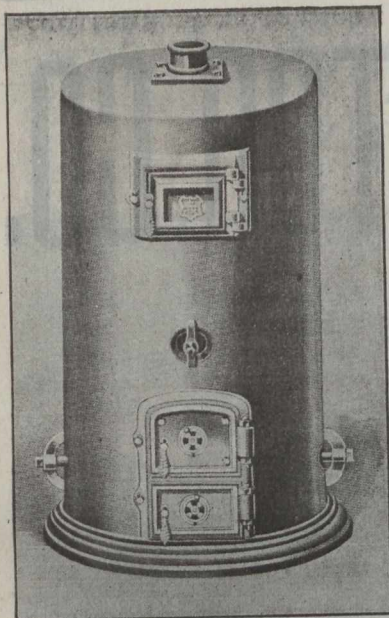
—Roumanian oil is seeking a market throughout Europe. While a comparatively recent development, its export business to Great Britain is increasing rapidly. The total exports for 1900 were 47,819 tons of crude petroleum and 14,280 tons of refined petroleum, and the figures for 1901 are said to be considerably in excess of these. In Roumania the oil strata is very deep and consequently difficult to reach, but the oil is said to be of very good quality, more nearly resembling the oils of Pennsylvania than those of Russia.

—Freight car accommodation as far as the Grand Trunk Railway is concerned, is very much better than for some months. The company, however, it is reported, has not anything like the number of cars required to handle the

TAYLOR & WATKINSON.

Leads, Clumps and Metal Furniture,

Peter's Yard, Kirkgate, Leeds, Eng.



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

freight offered, and could easily utilize several thousand more. The company has not been turning out any cars for several months, as the shops are now engaged in clearing up old material. It is probable the shops will be put on box car work at an early date.

—The annual meeting of the Montreal Cotton Company was held in the company's offices, Montreal, on the 11th instant. The reports presented were considered highly satisfactory, and the retiring board of directors was re-elected, namely: Messrs. A. F. Gault, Charles Garth, Jacques Grenier, Hon. J. K. Ward, S. H. Ewing, R. R. Stevenson, and Samuel Finley. At a subsequent meeting of the directors Mr. A. F. Gault was re-elected president, and Mr. Charles Garth vice-president.

—Brockville, Ont., advices state that the Deering Harvesting Company of Chicago, is negotiating with the Town Council for the erection of a mammoth branch of their business in Canada. They propose erecting three large buildings, with power house, and the site is specified as twenty-five acres. They guarantee to employ 1,000 men at the start. The company has asked the town for inducements, which are being considered.

—Calcutta advices state that there is little doubt that India is threatened with another severe famine. This is the more to be dreaded because the area affected is practically the same which has been ravaged during the past two years. Much depends upon the rainfall during the coming fortnight, continues the correspondent, as a large proportion of the spring crops is still capable of salvation.

—A St. Paul, Minn., dispatch reads: From ocean to ocean in three days is a dream the Canadian Pacific will endeavor to make a reality early in the spring. Equipment will cost the system nearly \$1,000,000, and will be supplied by builders in the United States. The new train will be tri-weekly, and will make an average time of 40.3 miles an hour.

—The returns of the Canada Atlantic for the fiscal year ending June 30, 1901, as furnished to the Department of Railways and Canals, shows: Gross earnings, \$1,785,338; working expenses, \$1,411,433; net earnings, \$373,905; number of passengers carried, 339,604; freight, 1,592,987 tons, including 19,301,281 bushels of grain, 679,589 barrels of flour, 318,301,291 feet of lumber.

—Hon. Senator Snowball of Chatham, who has been sworn in as Lieut.-Governor of New Brunswick, it is superfluous to say, is one of the most prosperous lumber and general merchants of that Province. The alliance with one of our leading Montreal families lately tends to bring about a closer affinity between the peoples of both Provinces.

—The Western Telephone and Telegraph Company, capital stock of \$32,000,000, was incorporated at Trenton, N.J., recently. The stock is divided into \$16,000,000 common and \$16,000,000 preferred, drawing 6 per cent. cumulative dividends. The objects are to constitute and operate lines of electric telegraph and telephone in all parts of the world.

—A New York letter refers to the steamship Philadelphia, which arrived on the 9th instant, having broken the record for having the longest communication with the land by means of the Marconi wireless telegraph system. The last message to the Lizard was sent when the Philadelphia was 150 miles distant from the land.

—Mr. Richard T. Lancefield, librarian, of Hamilton, has cut his way out from his friends and his position, into new but unknown pastures, leaving behind, it is alleged, traces of financial manipulation footing up over \$3,000. Some day such positions will only be filled after ample security has been furnished.

—According to a return laid before the Ontario Legislature recently, the destruction of fruit trees in the Niagara Peninsula, because of the San Jose scale, has been very great. In the county of Lincoln 17,788 trees have been destroyed, 3,177 condemned, but not destroyed. One fruit dealer of Niagara Township lost 2,031 trees.

—Reports accumulate of a threatened crisis in the Scottish oil trade. The crude oil works are continuing operations with difficulty, and some of them are working at a loss. The Linlithgow Company recently suspended payment. Numbers of shale miners are idle. There is talk of a combination to fight the Standard Oil Company.

—The fleet of barges of the Kingston and Montreal Forwarding Company has again been chartered to carry grain between Coteau and Montreal in connection with the Canada Atlantic Railway. A large number of men have been engaged preparing for the barges for next season's work.

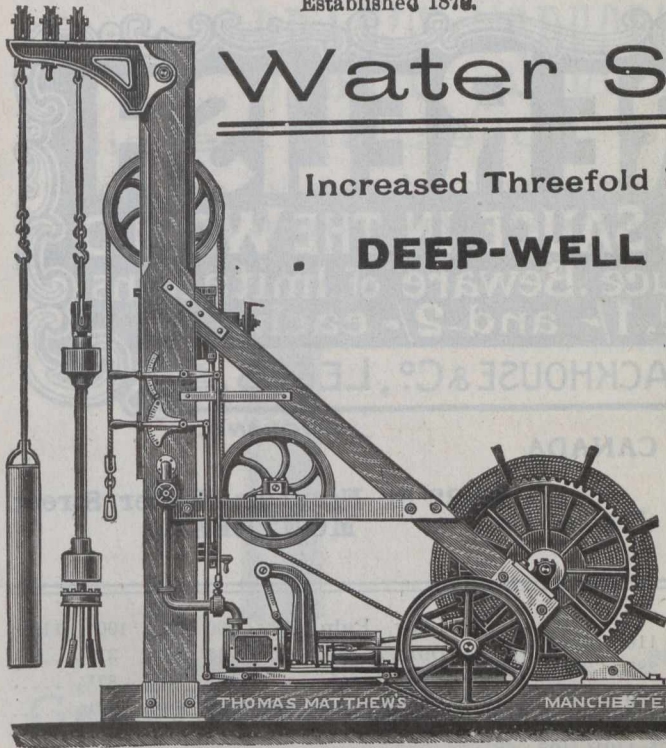
—A new town hall will be erected in the adjoining municipality of Ste. Cnuogonde at a cost of \$30,000. Police and fire departments, post office, council chamber, a concert hall, committee rooms, and offices for the Mayor will be located in the building.

—Further orders for hay to be shipped to South Africa in the month of March are expected at the Department of Agriculture. Gradually the contracts are being extended west. An Ottawa firm has set up hay presses and is baling several tons per day.

—Manitoba wheat for the first time in the history of the grain trade has been listed on the Duluth grain exchange. It is thought that it will not be long before Canada wheat is quoted on the Chicago, Minneapolis, St. Louis and New York markets.

Established 1870.

Telegraphic address: "ARTESIAN, Manchester.



Water Supplies,

Increased Threefold by THOMAS MATTHEWS' PATENT

DEEP-WELL AND BORE-HOLE PUMP.

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

Thomas Matthews,

Hydraulic Engineer,

Pendleton, Manchester, England.

Special terms to Canadians under the New Preferential Tariff.

—The Dominion Spice Mills, Montreal, owned by Messrs. Lyman & Sons, was destroyed by fire on the 13th inst. Loss on stock, machinery, etc., about \$12,000; fully insured.

—The P. & B. Liner "Oruro" left Halifax this week for the West Indies with a large list of passengers, many of them from the Western Provinces, several from manufacturing firms in Montreal and elsewhere.

—A Quebec hardware dealer, H. Parry, has consented to assign on demand of Mr. George Darveau. The latter has been named provisional guardian. — T. J. Methers, general dealer, Singhampton, Ont., has assigned. Liabilities about \$6,000; assets, nominally the same.

—The annual statement of the Halifax Electric Tram Company, Limited, just issued, shows the earnings for 1901 to have been \$79,232, as compared with \$74,632 for the previous year. From the year's profits there have been paid four quarterly dividends of 1¼ per cent., amounting in all to \$40,-

000, leaving a surplus of \$39,232.

—John Lavallee, general merchant, St. Charles, Que., has assigned. It is stated liabilities amount to \$120,000, and assets nominally the same. Some of his principal creditors are: Renaud & Cie., Quebec, \$29,000; Thibaud & Frere, Quebec, \$9,000; Gault Brothers, Montreal, \$12,000; Canada Hardware Store, Montreal, \$4,000.

—Mr. A. F. Duclos sailed a few days ago via New York, for a business and purchasing trip of staples and novelties to the great centres of Great Britain and Ireland, and the Continent, for his employers, the firm of McIntyre, Son & Co., the well known wholesale dry goods merchants of this city. He was accompanied by Mr. Wm. C. McIntyre, the head of the firm, as far as New York.

FINANCIAL.

Montreal, Thursday Ev'g.

Feb. 13th, 1902.

The Canadian Coloured Cotton Company is about to issue \$2,000,000 first mortgage bonds at 6 per cent., at 10 years, to retire issue maturing on 2nd April next. The Canadian Pacific is also about to raise \$23,000,000 for improvements, enlargements of rolling stock, and extensions, which are being called for by the developments of traffic. The market has not been affected by this announcement, confidence now felt in the earning power of the company being such as to provide returns on the increased capital. Considerable interest is being taken in Richelieu stock, the company having under favourable prospects, decided to enlarge its capacities for meeting the traffic expected next season. A contemporary reports: "The closing of the transfer books of the United States Steel Corporation in preparation for the annual meeting next week has developed the fact that the \$510,000,000 in preferred shares are now in the hands of 22,000 separate holders. An official

of the company admitted that a large proportion of the shares were held by small holders; that is, people of moderate means. These blocks were in one and two hundred share lots. Several wealthy men held blocks of 50,000 shares each, and what had been sent abroad was still held there and had not, as reported, been returned to this country. Some large purchases of Steel preferred had been made since the statement of the Trust's nine months' operation had been given out." The iron output increased 15,000 tons last month, yet the stocks on hand are 40,000 tons less than at close of the past year. The demand for steel and iron is so large that imports from Germany and England are anticipated, and these are hoped for by consumers, as manufacturers are disturbed by advancing prices and short supplies. The output of gold in the Transvaal last month was 70,340 ounces, against 52,900 in December. The total in 1899 was 3,360,091 ounces, which fell in 1900 to 348,800 ounces. The prospects are good for 1902's output equalling that of any previous year. The effect will be very helpful to Canadian trade which is promising to be large in South Africa after the country is settled. On the local market, Dominion Coal has had a check, as it was thought prices were advancing too fast. Sales have ranged from 71 to 72, or the reverse. As a non-dividend paying stock it is quite a speculation. Pacific has run from 115½ to 116; Dominion Steel, 32 to 32¾; preferred, 87¼ to 88½; Richelieu, 113 to 114; Toronto St., 117; Montreal St., 268½ to 270¾; Heat & Power, 94½; Twin City, 110. Bank stocks—Sales—Molsons, 208; Merchants, 145½; Hochelaga, 144; quotations: Montreal, 255; Commerce, 150; Royal, 175. Paris, exchange on London, 25f. 14½c.; Berlin, 20m. 45pf. Local foreign exchange, 60's, 9¾; demand, 9¾. All U.S. exchanges were closed yesterday in honour of Lin-

El Padre Needles

10 Cents.

VARSAITY,

5 Cents.

The Best

~ CIGARS ~

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

Made and Guaranteed by

S. DAVIS & SONS,

MONTREAL, Que.

YORKSHIRE RELISH

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

Proprietors, GOODALL, BACKHOUSE & CO., LEEDS.

AGENT FOR CANADA

ENGLAND.

CHAS. GYDE, -

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

can's birthday. Money rates remain unchanged, call loans being from 4½ to 5 per cent. The Merchants' Cotton Co. had a rather lively annual meeting, the result doubtless of passing its dividend.

The following is a comparative table of stocks for week ending Feb. 13th, supplied by Chas. Meredith & Co., Stock Brokers, Montreal:

Banks.	Shares sold.	Hight.	Lowst.	Average same date 1901
Montreal	52	256	255¼	258
Molsons	42	209	208	192½
Toronto	15	232	231	235
Merchants	20	145½	145	158
Hochelaga	297	145	144	131

Miscellaneous.

Can. Pac. Ry.	4413	116	114¾	91½
Montreal St.	1855	283	266	264
Mont. Power Co.	1875	96	93	.....
Toronto St.	806	117¾	116	107½
Haifax St.	475	110½	108	88
Twin City xd	4287	110¾	108¾	68
Rich. & Ont.	989	114	111	110¾
Com. Cable.	50	163	163	165½
Montreal Tel.	80	173	171½	171
Mont. Cotton	125	129	126½	138
Dom. Cotton	1486	55	50	90¼
Can. Col. Cotton.	50	55	55	77
Merchts Cotton.	75	78	75½	125
War Eagle	2000	13	12	62
Republic	10400	12½	8½	43½
North Star	1500	24	24	85
Dom. Coal, com.	19045	73¼	68½	35
Do. pref.	25	117½	117½	110

Laur. Pulp xd	100	100	100	110
Dom. I. & S com.	11735	337½	31½	.....
Do. pref.	3101	90½	87½	.....
N. S. Steel, com	225	69½	66½	.....

Bonds.

Can. Col. Cottn.	3100	108½	101½	98½
Dom. I. & S.	89000	85	83½	.....

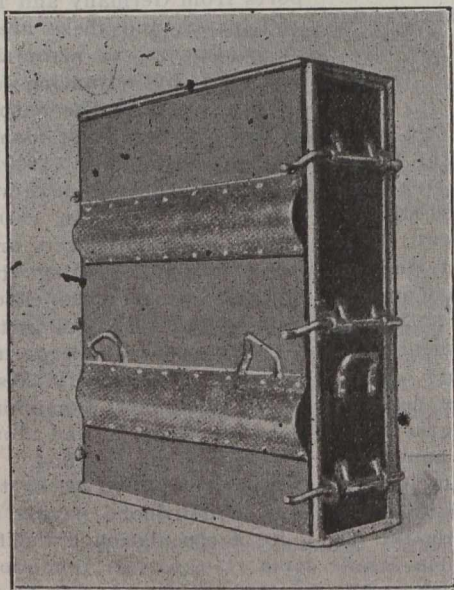
BRAZILIAN EXCHANGE.

For week ending Feb. 11th, 1902.

Feb. 5	11¼d
6	11 5-16d
7	11 11-32d
8	11¾d
10	11 7-16d
11 . . . . .	.....

SOAP FRAMES

PATENTS—No. 5107/93 ; No. 10362/99.



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

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

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

Soap Trade Supplied under the new Tariff

Cable Address : EILLS, Liverpool.

EILLS & COMPANY,

LIVERPOOL, Eng.

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

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

SPECIAL AGENTS FOR

Danish and Irish Butter

IN TINS.

WRITE FOR OUR EXPORT PRICE LIST.

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

OFFICE:

12 Hanover Street, - LIVERPOOL, Eng.

Special rateto Canadians under the New
 Preferential Tariff

BRAY'S "SPECIAL" GAS BURNERS.

Highest Efficiency: Suitable for all Pressures

For inside fittings as shown in woodcuts. High Pressure, 15-10ths to 25-10ths. Low Pressure, 5 10ths to 15-10ths or 18-10ths, which please specify when ordering.



UNION JET.
Sizes, 2 to 8.



BATSWING.
Sizes, 2 to 8.



SLIT UNION.
Sizes, 2 to 8.

Geo. Bray & Co., Gas Burner Manufacturers,
Bagby Works, Leeds, England.

MONTREAL CLEARING HOUSE.

	Clearings.	Balances.
For week ending		
Feb. 13, 1902 ..	\$18,465,256	\$2,501,635
Corresponding		
week, 1901 .. .	13,013,276	1,899,060
" 1900 .. .	13,716,977	1,867,087
" 1899 .. .	12,334,932	1,872,661

MONTREAL WHOLESALE MARKETS.

Thursday, Feb. 13, 1902.

Good sleighing and good country roads with typical winter weather are giving to merchants of all classes the maximum amount of encouragement in turning their stocks over quickly and to good advantage. As a result we hear of little complain-

ing among wholesalers and of little failures among their customers in a retail way. Values have not changed much since last report. Sugars are 10 points lower. Cheese and butter are dull but prices are scarcely changed. Leather is quiet. Dry goods are moving well. Fine wool is mostly all sold off this market, manufacturers being liberal purchasers since the decided advance in London.

BUTTER.

There is a firm market and a good demand for all fine to choicest qualities. Best October creamery is worth 21c to 22c, and bright winter makes 20c to 21c. Finest fresh dairies are selling at 17c to 18c and choicest fresh rolls at 17c to 17½c. Held butter, soft in flavor and but of medium quality is in large supply and difficult to

move. In fact, there is no outlet for these grades at present.

CHEESE.

The market is dull and heavy with holders anxious to unload. Indications both here and abroad point to lower prices. It is difficult to make over 9¼c for choicest Western, although holders are quoting 10c to 10¼c.

DRESSED POULTRY.

Receipts are light. A good demand exists and a still firmer market is looked for. Prices are: Turkeys, 12c to 12½c lb.; ducks, 10c to 11c lb.; geese, 9c to 10c lb.; chickens, 11c to 12½c lb., and fowls, 8c to 9c lb.

EGGS.

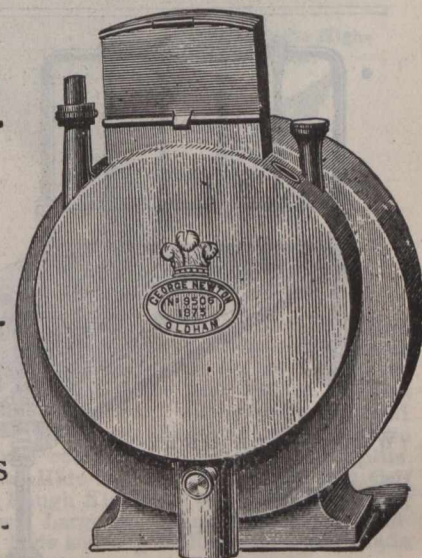
The market is bare of stock. Prices are higher, with new laid commanding 30c to 32c. Limed and held fresh are eagerly sought at 25c to 28c, and

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.

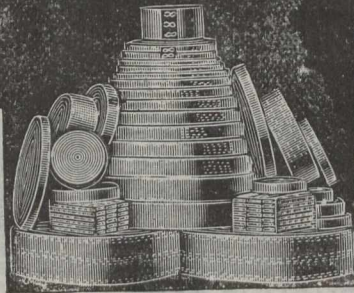
OAK-TANNED LEATHER BELTING.

Single and Double.

LEATHER BELTING

SINGLE AND DOUBLE
LEATHER BELTING

SPECIALTY
EXTRA STOUT
OAK-TANNED



Special Rates to Canadians under the New Tariff.

LEATHER-LINK

—OR—

CHAIN BELTING.

For Electric and Heavy Driving

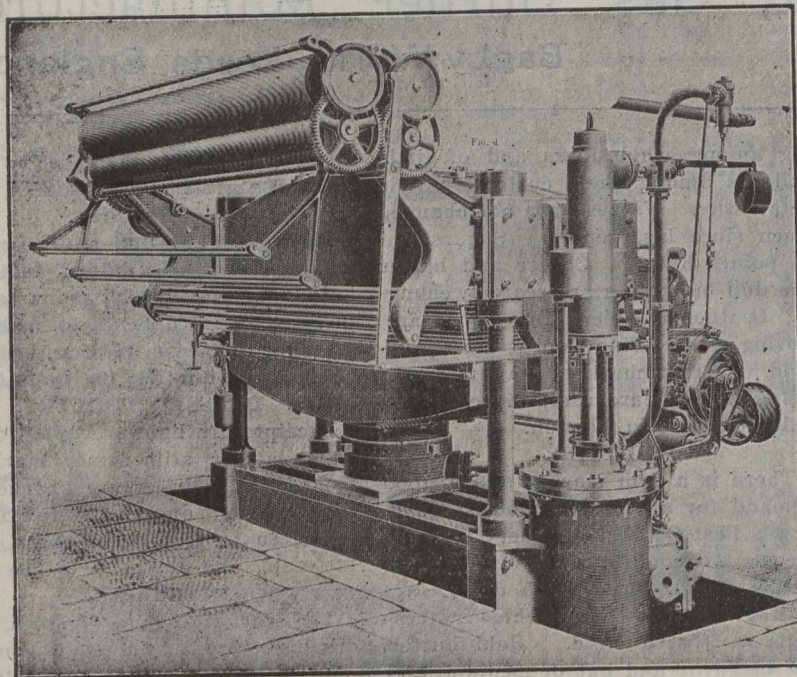
Picking Straps, Bark Tanned Green,
Buffalo Hide & Helvetia.

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

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.

it looks as though their weight in silver coin will not purchase desirable eggs within the next few weeks should the cold weather continue. There is a limit, of course, to what eggs will command from the great bulk of users, this alone keeping prices now within reaching distance of a fairly full purse.

FISH.

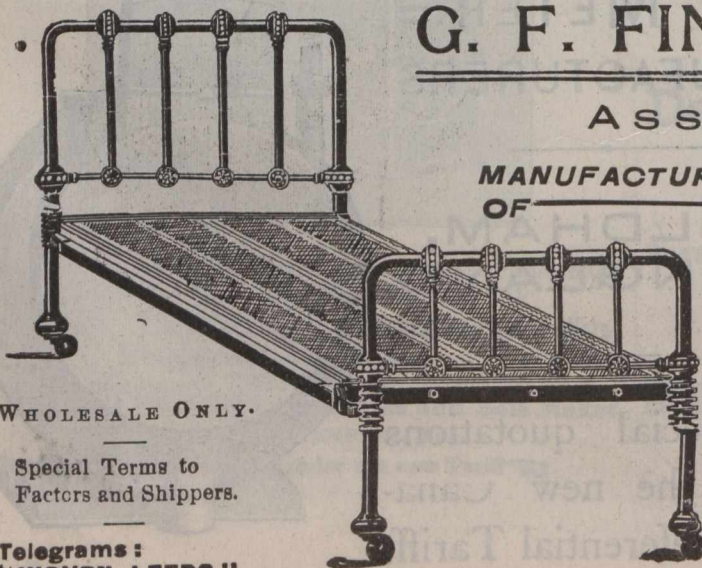
Owing to the strict observance of Lent, as called for this season, together with the great shortage and high prices of eggs, fish is having an attention paid it sufficient to ruffle its most rigid scales. Wholesale dealers are rushed with repeat orders and the comparatively low price of most kinds admits of free purchasing. Steady cold weather is favorable to free sales of the fresh varieties, this assisting the distribution by keeping the consumption divided. Quotations are: Salt—B.C. salmon, No. 1, \$11.50 to \$12 per barrel; Labrador salmon, No. 1, \$14 per barrel; No. 2, \$11.50 to

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

Assembly Works,

MANUFACTURER
OF

BEDSTEADS.



Folders, Chair-Bedsteads, Wire Spring Mattresses,
and Coppere^d Diamond Spring Mattresses.

WHOLESALE ONLY.

Special Terms to
Factors and Shippers.

Telegrams:
"WCVN, LEEDS."

WIRE MESHES FOR MATTRESS MAKERS.

Angle Irons and Dovetails for Wood Bedsteads.

Special terms to Canadians under the New Preferential Tariff.

IDDON BROTHERS,

INDIA RUBBER
ENGINEERS,

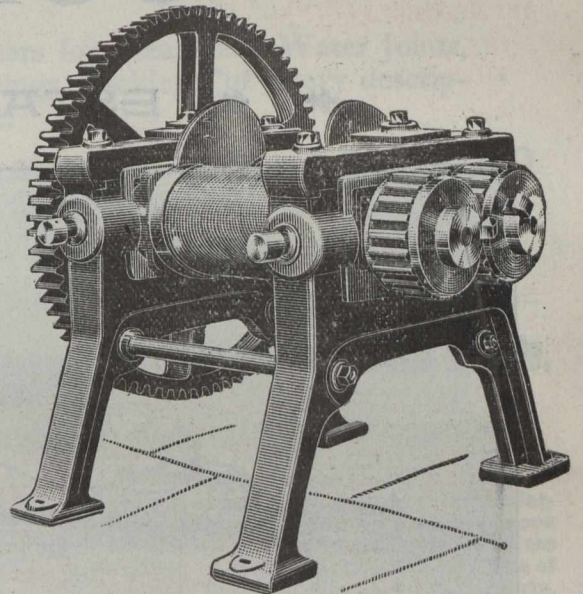
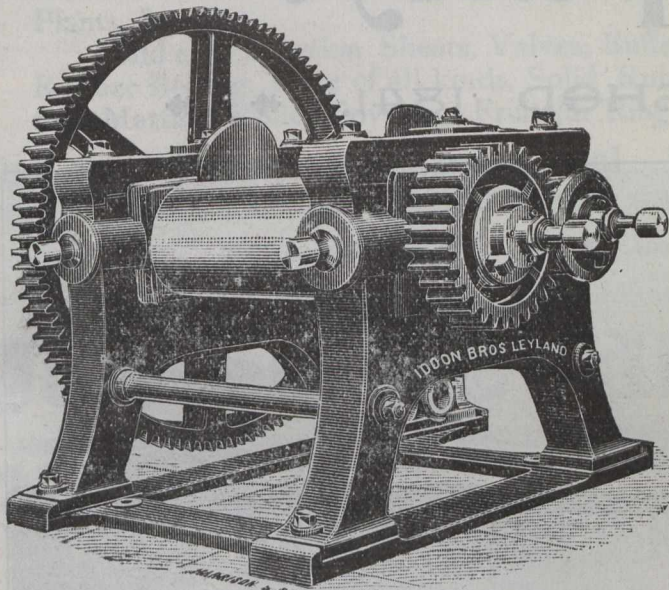
Brookfield Iron Works,

Leyland, ^{near} PRESTON, England.

ENGINEERS and
RUBBER MACHINISTS,

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

Specialities:—All kinds of Rubber Machinery.



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

\$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, \$6.50; do. No. 2, \$4.50; large, \$7.—Fresh—B.C. salmon, 9c to 10c lb.; Restigouche or Gaspe 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.; steak cod, 5c; smelts, 6c to 10c; frozen herring, large, \$1.75 a hundred fish; new tom cods, \$2 a barrel.—Smoked her-

rings, 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 cwts., \$5 to \$550 cwt. Oysters —Bulk, standards, \$1.30 a gallon, and selects, \$1.60.

FLOUR AND FEED.

After a period of activity running for almost a year, and this regardless of whether prices showed advances of

50 to 100 per cent., the demand for feed stuffs has finally eased up and millers are seeing their way clear to easily fill incoming orders. Much of the heavy demand for feed was occasioned through the high prices ruling for all farm products, wherein producers saw profit in buying plenty of feed at almost any price. Prices of both flour and feed are unchanged from last week when a slight decline was shown. While foreign markets are lower on hay quotations here are

Telegraphic Address:
"HASTE, BRAMLEY, LEEDS."

Haste & Brown,

Hough End Tannery,

BRAMLEY, LEEDS, - Eng.

—Tanners, Curriers,-
Enamellers & Japanners.

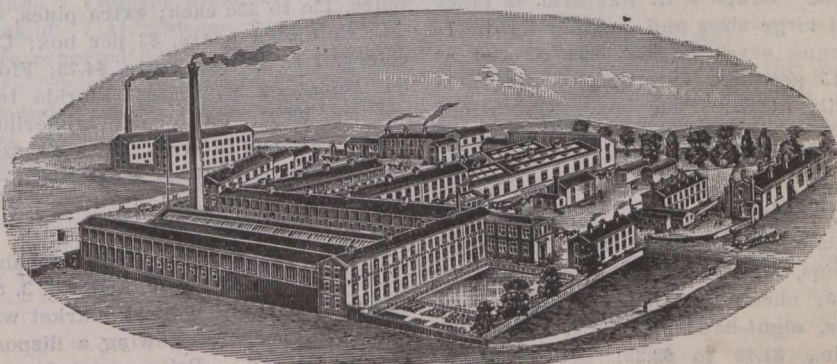
Russet Lining Bellies and Shoulders, of Light Substance, Soft, Bright and Dry Finish.

ENAMELLERS and JAPANNERS of the finest goods in ENAMELLED and JAPANNED 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.

✻ ✻ ESTABLISHED 1841. ✻ ✻



Morecambe Pier (East View),

ERECTED, 1898, BY

THE WIDNES FOUNDRY CO.

WIDNES,

Lancashire, - - England.

unchanged. A fair demand continues. We quote: No. 1 hay, at \$10 to \$10.50; No. 2, \$9 to \$9.50; clover mixed, \$8 to \$8.50, and clover, \$7 to \$7.50 per ton, in car lots.

GREEN FRUITS, ETC.

Trade is quiet, not unusual this month prior to the advent of new Southern and California varieties. Lemons and oranges hold about steady. In New York this week 27 carloads of California oranges and 430 boxes of Nassau grape fruit were offered at auction. On good fruit a material advance was reported. Ex store the feeling continued steady on the best offerings of oranges, fancy fruit being good request. There was business in fancy navels up to \$4.50 per box for large fruit in a small way. Fancy smaller sizes were fairly steady.

Choice grades and ordinary fruit pressing for sale at low figures. Florida oranges large sizes fancy brights were firm, but supplies small. Ordinary and choice grades were in fair request within the range of quotations. Grape fruit was firm on fancy and large sizes and supplies light. In lemons extra choice 360s offered at \$2.15 per box, with fancy 300s held easily at \$2.35 per box. Quotations are: — Apples, brls., \$3.50 to \$6.00; Cal. navel oranges, \$3.25 to \$3.60; Jamaica oranges, \$4.75 brl.; do. in boxes, \$2.75; Florida oranges, \$3.75 per box; Jamaica grape fruit, \$3.25 per box; lemons, 360s, \$2.50; do. 300s, \$2.50 to \$2.75; chests of lemons, \$5.50; bananas, eight-hands, \$1.00 to \$1.35; No. 1 do., \$1.75 to \$2.25; extras, \$2.50; new figs, mats, 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, \$4.75; Florida tomatoes, \$5 crate; Florida tangerines, \$3.25; California tangerines, \$3.00; Cal. cauliflowers, \$3.25 to \$3.50 per crate; red onions, \$3.50 per brl.; yellow do., \$3.25 per bbl.

GREEN HIDES.

Trade is quiet with prices unchanged. No. 1, 7c; No. 2, 6c, and No. 3, 5c. The tone of the New York market was easy with packers showing a disposition to unload. Prices quoted were 12c to to 12½c for native steers, 11¾c

Irwell Rubber Co., Limited.

MANCHESTER, - - ENGLAND.

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

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

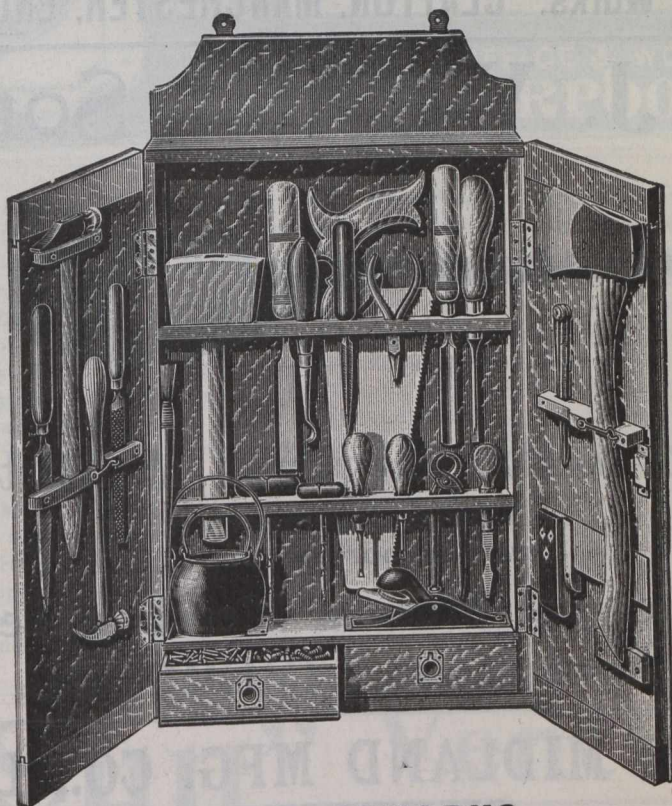
Solid and Insertion Sheets, Valves, Buffers, Washers for Steam and Water Joints, Rubber Belting, Hose of all kinds, Solid Rubber Tubings, Packings, of every description, Matting, Roller Covering, Fruit Jar Rings, &c., &c.

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

Special rates under the new Canadian Tariff. Enquiries invited.

James Needham

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



CITY OAKWORKS,

BROWN ST.
AND SHOREHAM ST.,

SHEFFIELD,
ENGLAND.

for butt brands and 11½c for side brands. Country hides were in slow demand. At Chicago packer hides were reported dull. Leading tanners were reported indifferent buyers and demand from dealers was light. Offerings of hides continued fairly free. Prices quoted were 12¼c for native steers, 13¼c for heavy Texas, 12c for butt brands, 11¾c for Colorados, 10¾c to 11c for heavy native cows and 10c for branded cows. Country hides were

slightly easier, with No. 1 buffs at 8c, at which price a moderate business was transacted.

GROCERIES.

Sugars took another drop this week and again the low-water mark has been reached. Granulated is now \$3.90 for freight delivery, with all other kinds in proportion. How retailers who are in a position to "stock up" may view this further chance to buy sugar cheap it is only

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,

to be conjectured, for even wholesale firms are undecided as to the wiser plan to adopt. It may be thought that prominent retailers, such as departmental concerns, take full advantage of such chances, but storage is to be reckoned on; also insurance. In addition to these the firms who make the largest showing are not always the best prepared to lay in heavy supplies of commodities that run quickly into money, and must be paid for on almost a cash basis. The result of the Brussels Sugar Conference is yet undecided as the time has been extended. London cable advices reported a steady market for raw beet sugar, with prices unchanged at 6s 9d for February delivery and 6s 9¼d for March ditto; cane was quiet and without changes. The New York market was very dull. Refiners were indifferent buyers and would not make purchases of importance at quoted prices. A limited amount of sugar was on offer, including a cargo of San Domingo, which was held on the basis of 1-16c for centrifugals 96 degrees test. Sales were reported made to the National of 1,150 bags San Da-

INVESTMENTS.

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

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

THE ROYAL BANK OF CANADA.

DIVIDEND No. 64.

NOTICE is hereby given that a dividend of three and one-half per cent. for the current half year, being at the rate of seven per cent. per annum upon the paid up Capital Stock of the Bank, has been declared, and that the same will be payable at the Bank and its Branches, on and after SATURDAY, the 1st day of February next. The Transfer Books will be closed from the 17th January to the 31st January, both days inclusive. The Annual General Meeting of Shareholders will be held at the Banking House, in this City, on WEDNESDAY, the 12th day of February next. The Chair will be taken at 11 o'clock a.m.

By order of the Board,

E. L. PEASE,
General Manager.

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

THE MOST NUTRITIOUS.

EPPS'S COCOA

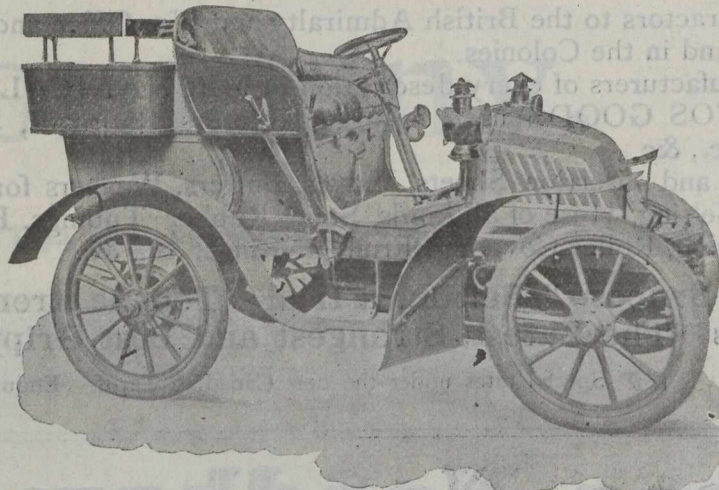
Prepared from the finest selected Cocoa, and distinguished everywhere for Delicacy of Flavour, Superior Quality, and highly Nutritive Properties. Sold in quarter-pound tins, labelled JAMES EPPS & Co., Ltd., Homoeopathic Chemists, London, England.

EPPS'S COCOA

BREAKFAST-SUPPER

... mingo centrifugal 96 degrees test at 3 11-16c ex store, and 480 bags ditto to arrive at 3 11-16c. The following letter from a leading London house in the sugar trade shows how mysterious the present outlook continues: "The ever-present question of reduction in sowings continues to cast its shadow before, as the prices of the next crop will regulate the values of the present one. Calculating the cost of holding over the enormous excess of old sugar into next crop, the present premiums are moderate, and yet October-December is not cheap at 7s 4½d unless all bounties are abolished, because with roots at 80 pfennigs per cwt., they now enable many fabricants to sell at almost 1s less. Will the reduced price of roots lead to a sufficient reduction of sowings? We hear every year that we are having an exceptional crop; we must not count on anything but average weather and average crops, nor on winter corn being again destroyed and fields used for roots; we are nearing the line where roots and grain offer more equal chance, and we know that the consumption of sugar is still increasing. But with 1,100,000 tons present excess of production, with probable protection to Cuba, we must reduce sowings by a great deal if we do not

Marshall's
'Belsize' Car

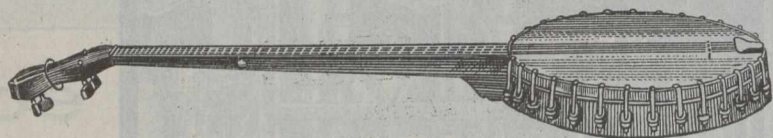


Two Cylinders.
12 h.p.
14½ cwts.
—
No Chains.
No Belts.
—
Unrivalled Hill
Climber.
—
Send for par-
ticulars.

Marshall & Co.

Belsize Works. CLAYTON, MANCHESTER, ENGLAND.

R. J. Ward & Sons,

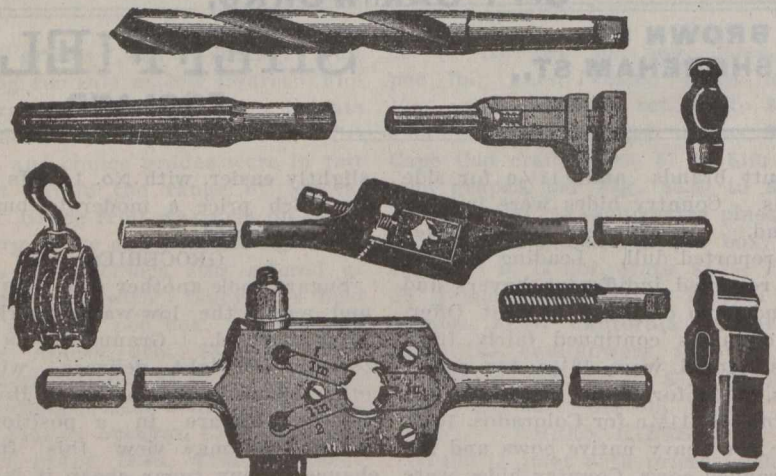


Military Musical Instrument Manufacturers.

Wholesale Importers
and Exporters of

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

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



SPECIAL NOTE.—Buyers have 33⅓ 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,
ROAD MATS, VALVES, SHEETS.





WASHERS AND
ALL KINDS OF MECHANICAL
RUBBERS. INDIA RUBBER THREAD

TELEGRAPHIC ADDRESS: "RUBBER," LIVERPOOL.
TRADE MARK
LIVERPOOL RUBBER CO LTD

CAB TYRES
PNEUMATIC CUSHION AND SOLID TYRES

34 ALDERMANBURY
LONDON
ENGLAND
20 RUE DE MARAIS
PARIS
FRANCE



HEAD OFFICE & WORKS
VAUXHALL RD **LIVERPOOL** ENGLAND

want to further increase during next season our already enormous stocks. The fabricant will have to hold them, and he no doubt would do it if, by the abolition of bounties, his cost of production, even after a year, were raised by £3 to £4 per ton; hence everything turns on the Brussels Conference, and as long as it is not broken up we must not give up hope. Germany is said to be more yielding than Austria; France, Belgium and Holland seem to favor the abolition of the present system, and this country is supposed to be willing to help, if backed up by a sufficient majority. Appearances are more in favor of

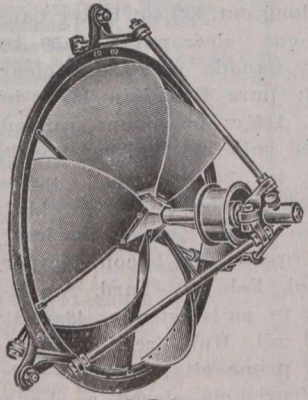
something being done, but when and what line of action will be finally decided on remain still uncertain; therefore it is not surprising that the market gets swayed by rumors."—Currants and raisins are firm. A cable from Greece quotes 15s 6d on fine Amalia currants in bbls. for shipment on the Peconic, due there to load this week. A New York dispatch states that it is hardly probable this will secure much cargo, as spot supplies are rather large. The Greek market is slightly easier. Demand during the week has been light, but as supplies held by interior buyers are estimated as being very small, an early resump-

tion of more active business is anticipated. Latest advices from England note a steady market in that quarter, with fair business doing. Spot tomatoes are firm at 87½c, canners' price. Telegraphic advices from Baltimore report that few offerings of 3-lb. standard tomatoes are available there on the 80c f.o.b. basis for futures. Most of the offerings, it is stated, are on the 82½c basis, with some packers quoting up to 85c. On 2-lb. standard 60c appears to be the lowest, and for gallons from \$2 to \$2.25 is the range for futures. Regarding the outlook from a market point of view, a prominent broker said: "There has been an

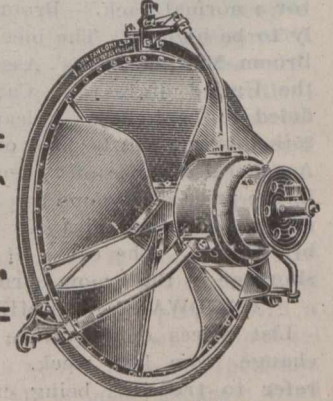
"Sun" Ventilating Fans

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.,
40a Thornton Road, BRADFORD, ENO.

GENERAL BUYING
AGENTS WANTED.

Special prices to Canadians under the New Tariff.

TELEGRAMS:
"ATTRACTION," LIVERPOOL

TELEPHONE
NO. 6348.

WILLIAMS & CO.,

Wholesale and Export Manufacturing Confectioners.

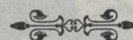
96 Wood Street,

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.

enormous sale of futures this season, in spite of the price and difficulty experienced in getting goods to offer. Stocks of the 1901 pack in all sections are comparatively small among the wholesale grocers, and naturally they have been anxious to place orders for a portion at least of their probable requirements of futures. The average annual pack of the country for the last ten years is over 1,000,000 cases less than the average annual consumption of the last three years. The consumption is increasing every year, and while the output this season is entirely problematical the prospects favor a normal pack."—Brooms are likely to be higher. The meeting of the Broom Manufacturers' Association of the United States and Canada, scheduled to be held in Chicago on the 25th instant, will be held on the 18th. A general advance of 25 cents per doz. in the price of brooms has been decided on, and other advances will probably follow. The cause, it is said, is shortage in the broom corn crop.

HARDWARE AND METALS.

List prices on hardware show no change from last week. Importers refer to trade as being extra good, with orders for building supplies, &c., coming to hand in quick succession. Such orders, of course, indicate proportionate necessities in kindred supplies later. In metals copper still holds greatest attention owing to its erratic course. Latest move was downward. The London market was

reported by cable as follows: G.M.B. copper, noon, £54 7s 6d; close, £54 17s 6d; G.M.B. copper, 3 months, £53 15s 6d—£54 2s 6d; Sales of G.M.B. spot, 300 tons; futures, 600 tons. The quotations on tin cabled from London were as follows: Spot tin, noon, £112 6s; close, £112 15s; tin, three months, £107 15s—£108 5s; sales of spot tin, 150 tons; futures, 250 tons.

LEATHER AND SHOES.

Leather is not moving off as freely as jobbers would desire, nor as they might expect from all the indications of enlarging spring trade. However, they claim that January was a good month and even if this month should prove a little quiet, the average will be fair enough. Shoe manufacturers are buying more in accord with immediate wants and thus a trade in leather spread over a whole season does not show so well off the books as when subsequently footed up. Among the manufacturers anticipations are not wanting of a bright outlook. Everything tends that way. The whole country east and west is prospering. Farmers and producers are obtaining prices for all they can sell, which makes them free purchasers of what they must buy. One of the first lines to be affected by such conditions is shoes.

OILS, PAINTS, ETC.

Both linseed oils and turpentine hold steady at last week's quotations. Cod liver oil is very firm in price, but there is not much movement yet.

Lead and glass are unchanged.

PROVISIONS.

Fresh killed hogs are in large supply and easier in price by about ¼c per lb. Present quotations are within \$8 to \$8.50, as to size and quality. In cured meats the movement has fallen off owing to the Lenten term. Consequently local business is in a smaller way for immediate requirements. Prices are unchanged. Quotations are: Selected heavy Canadian short cut mess pork, \$22.50 to \$23.00; heavy Canadian short cut mess pork, \$21.50 to \$22.00; Canada short cut back pork, \$21.50 to \$22.00; heavy Canada mess pork, long cut, \$21.50; heavy Canada short cut clear pork, \$21.50 to \$22.00; light Canada short cut clear pork, \$21.00; pure Canadian lard, in 20 lb. pails, 11¾c; compound refined lard, in wood pails, 20 lbs., 9c; Boar's Head brand, in 20 lb. wood pails, \$1.97½ to \$2.05; Globe, \$1.72½ to \$1.80; 20 lb., in tin pails, ¼c per lb. less; hams, 12½c to 14c; and bacon, 15c per lb. Liverpool, Feb. 11.—Lard, American refined, in pails, steady, 48s 9d; cotton seed oil, Hull, refined, spot, 24s; tallow, prime city, 29s 6d.—Chicago, 11.—Provisions closed a shade to ½c higher. Leading futures were: Pork, May, \$15.95; July, \$16.02½; lard, May, \$9.25; July, \$9.62½; ribs, May, \$8.57½ to \$8.60; July, \$8.67½. Cash prices were:—Mess pork, \$15.70 to \$15.75; lard, \$9.37½ to \$9.40; dry salted shoulders, 7c to 7¼c; short clear sides, \$8.80 to \$8.90.

Bottle Washing Machinery

OUR NEW PATTERN "KINGSTON."

No. 2

22-dozen Half-pint Beers.

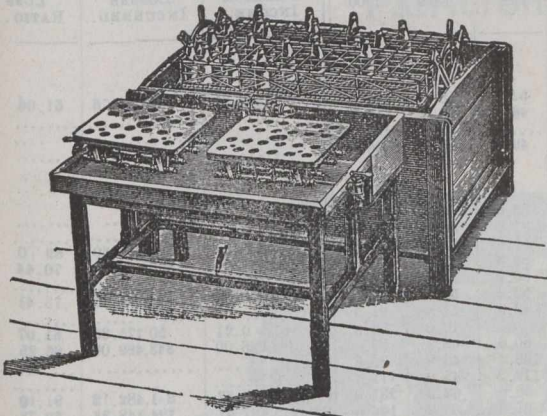
Fitted with Revolving Rinsers as shewn,

£27

with Bottle Sinkers.

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

Machines from £10 to £40.



Original Inventor and Patentee.

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

Special estimates to Canadians under the New Tariff.

STOCKS AND BONDS.

NAME.	Par Val'e.	Capital Sub-scribed.	Capital paid-up.	Rest.	Div. last 6 Ms	Dates of Dividends.	Per Cent. Price Feb. 13. (Bid)	Cash value per S.
British North Am.	243	4,866,666	4,866,666	1,708,833	3	Apl. Oct	138	311 04
Can. Bank of Commerce	50	8,000,000	8,000,000	2,000,000	3½	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	2½	May	244	422 00
Eastern Townships.....	50	2,000,000	1,742,535	1,050,000	3½	Jan July	150	76 00
Halfax Banking Co	20	600,000	600,000	500,000	3½	Feb. Aug	158	79 00
Hamilton	100	2,000,000	1,995,750	1,500,000	5	June Dec	205	205 00
Hochelaga	100	1,500,000	1,500,000	750,000	3½	June Dec	152	452 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	3½	June Dec	150	150 00
Moisons	50	2,500,000	2,500,000	2,150,000	4	April	209	104 50
Montreal	200	12,000,000	12,000,000	7,000,000	5	June Dec	258	516 00
Nationale	30	1,200,000	1,200,000	275,000	3	May Nov	95	28 50
New Brunswick.....	100	500,000	500,000	700,000	6	Jan July	300	300 00
Nova Scotia.....	100	2,000,000	2,000,000	2,800,000	4½	Feb. Aug	232	252 00
Ontario.....	100	1,500,000	1,393,030	350,000	2½	June Dec	123½	128 50
Ottawa.....	100	1,994,900	2,000,000	1,765,000	4 & 1	June Dec	206	206 00
People's of N. B.....	150	180,000	180,000	155,000	4	June Dec	250	375 00
Provincial.....	25	873,487	781,248	700,000	3	June Dec	122	155 00
Quebec.....	100	2,500,000	2,500,000	700,000	3	June Dec	175	422 00
Royal.....	100	2,000,000	2,000,000	1,700,000	3½	Feb Aug	175	17 00
St. Stephen's.....	100	200,000	200,000	45,000	2½	April Oct	.....	116 50
Standard	50	1,000,000	1,000,000	750,000	5	April Dec	233	229 00
Toronto	100	2,400,000	2,400,000	2,349,000	5	June Dec	112½	112 25
Traders	100	1,350,100	1,344,420	250,000	3	June Dec	112½	112 25
Union (Halifax).....	50	800,000	900,000	505,606	3½	Mch Sept	150	75 00
Union of Canada	100	2,000,000	2,000,000	550,000	3	June Dec	.....	.....
Western.....	100	500,000	401,239	134,000	3½	Apl Oct	.....	.....
Agri. Sav. and Loan Co	50	630,200	630,200	192,000	3	Jan July	.....	.....
Bell Telephone Co	100	5,000,000	5,000,000	800,000	4½	Jan *	167	167 00
Brit. Can. Loan & Inv. Co...	100	1,987,900	398,481	190,000	2½	Jan July	.....	.....
Brit. Mortg. Loan Co.....	100	450,000	398,214	180,000	3	Jan July	128	128 00
Can. Colored Cot. Mills Co...	100	2,700,000	2,700,000	.....	.....	Jan *	52½	52 50
Can. Landed & Nat'l Inv't Co.	100	2,008,000	1,004,000	350,000	3	Jan July	90	90 00
Can. Par. & W. Can. M. Corp'n.	10	5,951,350	5,951,350	1,490,057	3	Jan July	115	57 50
Can. Sav. & Loan Co.....	10	750,000	750,000	250,000	3½	Jan July	114	57 00
Central Can. Loan & Sav. Co	100	2,500,000	1,250,000	450,000	1½	Jan July	136	136 00
Dominion Sav. and Inv. Co.	50	1,000,000	934,300	30,000	2	July Dec	72	36 00
Dominion Telegraph Co	50	1,000,000	1,000,000	.....	1½	Jan *	124	62 00
Dominion Cotton Mills Co...	100	3,333,600	3,333,600	.....	6	Mar *	45	45 00
Hamilton Prov. and Loan...	100	1,500,000	1,100,000	356,752	3	Jan July	112	112 00
Home Sav. and Loan Co	10	2,000,000	200,000	200,000	3½	Jan July	185	435 00
Huron & Erie Loan & Sav. Co	50	3,000,000	1,400,000	890,000	4½	Jan July	179	89 50
Imperial Loan and Inv. Co...	100	732,724	720,647	175,000	3	Jan July	70	70 00
Landed Banking and Loan	100	700,000	700,000	210,000	3	Jan July	111	411 00
Lond. & Can. Loan and Ag.	50	1,000,000	877,287	87,500	3	Jan July	68	34 00
London Loan Co	50	679,700	678,550	160,000	3	Jan July	110	50 00
Manitoba & North-W. Ln Co	100	1,500,000	375,000	50,000	.....	Jan July	55	55 00
Montreal Telegraph Co.....	40	2,000,000	2,000,000	.....	2	Jan	171½	68 00
Montreal Gas Co	40	3,000,000	2,998,640	.....	2	April Oct	241	96 50
Montreal Street Ry. Co.....	50	5,000,000	4,500,000	560,318	5½	Feb. *	272	186 00
Montreal Cotton Co.....	100	1,400,000	1,400,000	600,000	4	Mch. *	112	112 00
Merchants Cot. Co.....	100	1,250,000	1,250,000	.....	4	Feb Aug	95	95 00
Montreal Loan and Mortg...	25	500,000	500,000	380,000	3½ & 1	Mch Sep	187½	34 87
Ont. Indus. Loan and Inv...	100	466,500	314,386	150,000	3	Jan July	121½	60 75
Ont. Loan and Deb. Co.....	50	2,000,000	1,200,000	585,000	3	Jan July	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	16,235 8	3	May Nov	111	111 00
Richelieu and Ont. Nav. Co.	100	2,088,000	2,088,000	320,155	.....	Jan. *	240½	240 50
The Royal Electric Co	100	2,250,000	2,250,000	.....	.....	Jan. *	136	136 00
Toronto Electric Light Co...	40	2,000,000	2,000,000	250,000	2½	Jan. *	76½	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	.....	.....	Jan. *	112½	112 50
Windsor Hotel .....	.....	.....	.....	.....	.....	.....	.....	.....

* Paying quarterly dividends.

WOOL.

The local market is virtually bare of stocks. There is a good inquiry for Cape wool, the stiffness in prices abroad, following the London auctions, being the cause. For once the situation is cheerful. The mills are not holding large stocks, and, altogether, the market is likely to show the effects of the recent advances abroad by considerable more purchasing during the next six months. Prices here are unchanged as yet, Capes selling at 13½c to 15c.

THE "SHAW" PATENT IMPROVED VALVE.

For Steam or Water.

Try it where others have failed. Simple, reliable and durable. Test and judge for yourselves. A great variety of taps and valves for steam and water have been brought before the public, but none have stood the test of time better than the "Shaw." The valve (B), as shown in illustration, is always supplied loose, unless specially ordered to be fixed, in which case it will be attached so as to life with the spindle and yet be loose to revolve thereon. The "Shaw" Patent Improved Valve for steam or water. The valve seat (A) as also shown in illustration, is made of a specially prepared metal calculated to resist the action of steam and, being considerably harder than the valve, cannot easily be injured by grit or other material coming between the seat and valve. If from any other cause the seat should get damaged, it can be re-ground or replaced with a new one, at a trifling cost, without removing the body from its position. The valve (B) is made separate from the spindle, and in a concentric form it makes a most reliable metal-to-metal joint, preventing any escape of steam apart from the packing in stuffing box, and, if necessary, the latter can be re-packed

FIRE INSURANCE IN CANADA DURING 1901.

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

COMPANIES.	RATIO OF LOSSES PAID TO PREMIUM RECEIPTS.												1901.		
	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	PREMIUM INCOME.	LOSSES INCURRED.	LOSS RATIO.
CAN. COMPANIES.															
British America...	61.4	67.6	75.2	86.1	71.4	67.5	62.6	57.5	59.6	52.3	48.1	69.0	427,389.91	261,969.76	61.06
Quebec	71.0	44.7	67.3	73.5	79.0	73.3	59.5	67.5	117.5	46.7	93.5	113.31			
Victoria-Montreal												15.0	26.45		
Western	46.5	46.8	65.2	70.0	64.4	66.2	65.1	57.5	73.3	49.4	51.9	86.0			
BRIT. COMPANIES.															
Alliance.....				40.0	87.4	92.7	73.3	68.5	53.5	63.6	43.7	187.0			
Atlas.....	56.9	71.7	77.3	57.7	76.0	57.1	56.0	59.0	61.1	97.6	60.2	104.5			
Caledonian.....	67.3	70.8	83.5	52.8	73.4	69.4	59.6	62.8	62.9	55.8	50.6	123.3	218,432.60	221,201.30	89.0
Commercial Union	57.8	47.6	57.8	81.0	69.6	62.7	79.9	61.9	72.5	80.8	71.8	79.5	426,584.51	300,110.56	70.44
Guardian.....	59.5	75.3	85.6	52.0	58.5	75.7	75.4	58.6	76.8	56.7	53.8	106.0			
Imperial.....	42.1	47.9	44.4	46.2	84.8	57.3	58.8	51.9	56.9	50.2	58.7	99.5	303,356.04	224,694.23	73.41
Lancashire.....	52.3	53.8	71.0	60.7	75.6	60.4	80.1	60.1	71.6	49.9	57.0	91.2			
Law Union & Cr'wn											12.0	72.3	81,500.21	50,175.35	61.07
Liv. & Lon. & Glo.	37.2	38.1	57.9	64.9	86.9	65.3	70.5	57.7	72.8	60.8	69.9	87.0	398,236.00	343,489.00	86.25
Lon. and Lanca...	26.3	61.5	41.5	55.8	49.2	63.8	89.5	45.6	49.3	108.4	46.9	86.6			
London.....	33.3	44.7	36.8	45.9	69.9	63.3	90.1	46.2	78.0	119.2	45.0	111.4			
Manchester.....		12.6	49.4	65.6	92.2	78.3	90.8	57.3	76.5	56.8	62.9	131.0	221,158.67	21,482.12	91.10
National.....	48.6	67.6	81.3	63.2	77.6	57.1	16.0	59.0	61.1	97.6	61.2	102.5	235,427.47	124,148.34	52.73
N. Brit. & Mer....	65.0	55.9	72.9	63.2	87.7	56.8	61.2	45.3	77.1	63.2	64.4	116.4			
Northern.....	50.9	70.5	57.9	59.8	70.5	70.5	86.3	69.2	55.9	55.9	52.7	74.5	**326,393.97	234,056.10	71.17
Norwich Union...	40.0	58.7	67.7	63.0	64.1	83.1	69.2	57.7	63.7	72.5	56.8	97.6	354,494.93	257,665.27	72.12
Phoenix of London	40.9	48.2	61.1	54.1	63.3	62.3	49.2	43.3	53.4	57.1	51.8	80.2	599,369.66	394,165.26	65.74
Royal.....	42.5	53.3	38.3	63.7	75.1	70.8	72.7	63.3	62.9	67.6	59.2	82.7			
Scot. Union & Nat.	39.3	33.5	61.7	68.2	91.5	68.2	86.1	55.6	42.5	67.0	47.6	60.0	329,075.95	204,922.03	62.27
Sun Fire.....				20.8	62.0	69.4	70.7	59.9	83.2	65.5	70.8	91.4	178,769.70	112,769.49	63.11
Union.....		23.9	42.7	45.2	68.0	61.0	45.8	58.5	43.7	76.0	56.5	130.5			
AMER. COMPANIES.															
Etna.....	48.6	67.3	55.6	75.8	63.4	56.3	78.3	47.6	67.2	61.1	60.6	164.2	193,188.4	141,995.16	73.50
American.....															
Connecticut.....	24.1	37.6	36.7	48.4	62.1	41.5	76.3	52.1	75.0	98.3	60.2	71.3	54,199.01	31,878.66	59.00
Hartford.....	44.9	84.7	72.3	51.3	70.2	65.3	75.6	60.8	60.9	66.8	52.1	133.5	230,730.81	147,171.90	63.78
North America...		44.3	45.7	56.6	65.0	70.7	62.4	67.6	84.0	79.8	42.9	119.3	169,260.00	116,001.00	68.53
Phoenix of Brook...	46.0	37.6	54.9	82.9	70.8	69.9	98.3	61.9	58.7	64.3	57.5	56.5	158,892.53	97,916.97	60.99
Phoenix of Hart...		20.3	56.6	79.9	96.4	75.1	71.2	72.9	80.6	85.0	83.0	75.4	123,354.42	67,996.79	55.12
Queen of America.			18.7	70.5	63.0	67.1	66.9	59.4	56.8	41.2	53.7	88.6			

RECAPITULATION.

Average.....	1887	70.9
do.....	1888	51.3
do.....	1889	51.5
do.....	1890	56.0
do.....	1891	62.6
do.....	1892	64.7
do.....	1893	74.4
do.....	1894	68.4
do.....	1895	71.2
do.....	1896	59.0
do.....	1897	65.7
do.....	1898	65.1
do.....	1899	60.1
do.....	1900	98.9

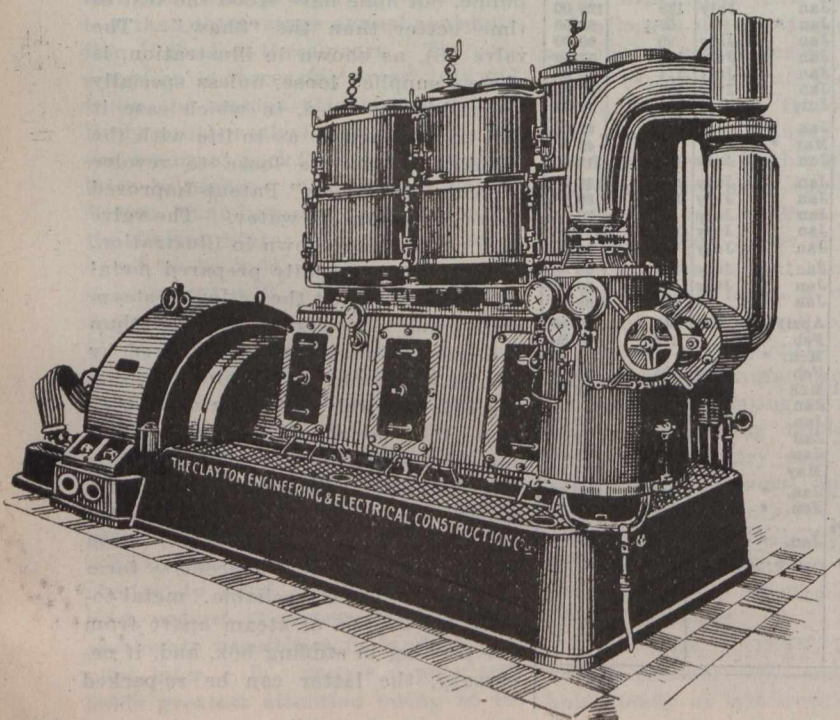
* Estimated. ** Approximate.

without shutting off steam. — The "Shaw" Standard Compound Steam Tap and Check Valve.—This tap is metal joint, that will resist any pressure. The valve is simple and strong, and not liable to get damaged; it will always find its true centre on the valve

seat, as under all conditions it will accommodate itself to any variation in the spindle caused by wear or strain. A metal-to-metal joint for steam is always preferable, as it can, if worn or slightly damaged, be made equal to new in a few minutes by re-grinding,

but if any customer prefers composition discs or valves, they can be supplied (at the same price) made from special material, which is guaranteed to wear well under the action of steam. The special packing ring (D) on spindle will (when the valve is open) pre-

The CLAYTON ENGINEERING & ELECTRICAL CONSTRUCTION COMPANY, Limited.



HEAD OFFICE AND ENGINE WORKS :
Newton Hyde, near Manchester, Eng.

ELECTRICAL WORKS :
Clayton, near Manchester, Eng.

Telegraphic Address : "DYNAMO, HYDE."
Telephone : No. 62, HYDE.

DIRECT-COUPLED.....

High-Speed Plants

for

Traction or Lighting.

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

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

Patricroft, Manchester, England.

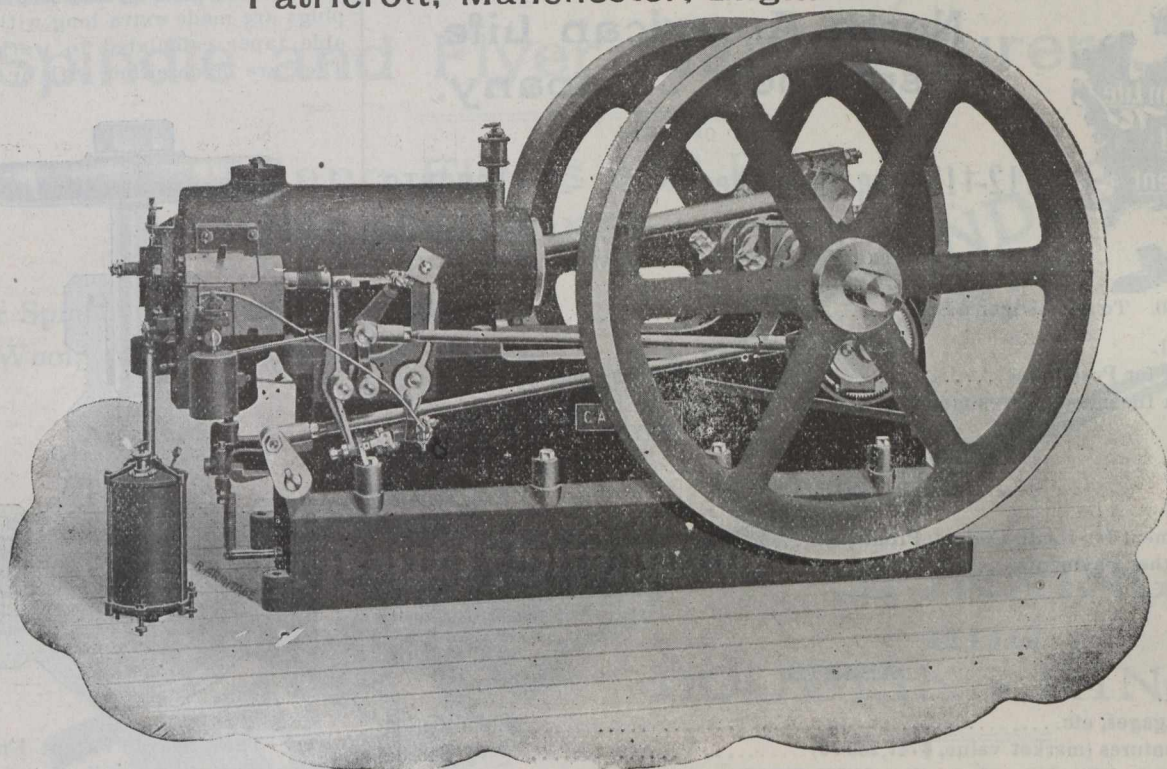


Photo of 20 B. H. P. Oil Engine.
Engines from 1/2 B. H. P.
Horizontal and Vertical.
Tube Ignition with Ignition Valves.
Electric Ignition.
More than 2000 Engines Sold and Working Successfully in all Parts of the World.
200 Engines Always in Progress.

87 QUEEN VICTORIA STREET, E. C.

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,

pecially designed for two objects—first as a stop tap for general purposes, and secondly, by inverting the tap, the plug is arranged with a seating and valve, which acts as a check valve and tap combined, with this great advantage, that by closing the

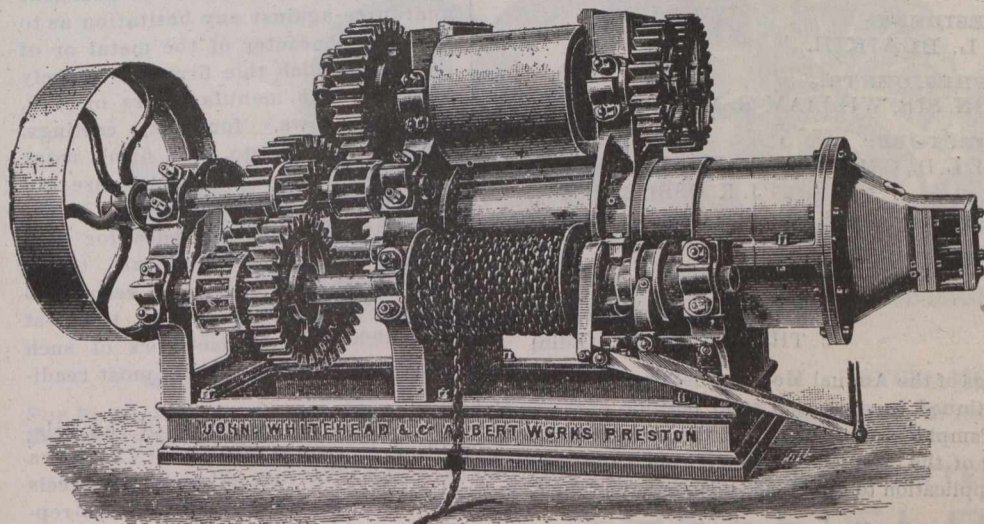
tap, the valve can be taken out and examined whilst the pressure is on one or both sides of the tap; this is of great importance as a feed valve to boilers and for other purposes where it is necessary to have a self-acting valve. Some of the advantages of this

tap are: The bearing surface is more than four times that of the ordinary gland or other straight way tap. The openings are so arranged as to leave a circle about half-an-inch completely round the plug, upon which there can be no action of steam whatever, either

Telegraphic Address:
"BRICKTILE, 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.

Twenty-First Annual Statement

OF THE

North American Life Assurance Company.

HEAD OFFICE:

112-118 King Street West, - - TORONTO.

FOR THE YEAR ENDED DECEMBER 31st, 1901.

Dec. 30, 1900. To net Ledger Assets\$3,773,508 08

Dec. 31, 1901.

RECEIPTS.

To Cash for Premiums\$922,935 02
 To Cash Income on Investments 176,461 56

1,099,396 58

DISBURSEMENTS.

\$4,872,904 66

Dec. 31, 1901.

By Payment for Death Claims, Profits, etc\$386,688 35
 " all other Payments 291,906 70

\$678,595 05

\$4,194,309 61

ASSETS.

Dec. 31, 1901.

By Mortgages, etc\$1,200,489 65
 " Debentures (market value, \$747,205.99) 737 848 54
 " Stocks and Bonds (market value, \$1,371,315.70) 1,322,168 92
 " Real Estate, including Company's building 416,936 41
 " Loans on Policies, etc 278,827 44
 " Loans on Stocks (nearly all on call) 215,170 00
 " Cash in Bank and on Hand 22,368 65

\$4,194,309 61

" Premiums outstanding, etc., (less cost of collection) 178,581 85
 " Interest and Rents due and accrued 47,881 92

\$4,420,773 38

LIABILITIES.

Dec. 31, 1901.

To Guarantee Fund\$60,000 00
 " Assurance and Annuity Reserve Fund 3,808,229 00
 " Death Losses awaiting proof, etc 45,103 01

\$3,913,332 01

Net Surplus\$507,441 37

Audited and found correct.

J. N. LAKE, Auditor.

The financial position of the Company is unexcelled—its percentage of net surplus to liabilities exceeds that of any other home company.

New insurance issued during 1901\$5,520,067 00

Exceeding the best previous year in the history of the company by over half a million.

Insurance in force at end of 1901 (net)\$27,977,794 00

PRESIDENT:

JOHN L. BLAIKIE.

VICE-PRESIDENTS:

JAS. THORBURN, M.D.

HON. SIR. WILLIAM R. MEREDITH, K.C.

DIRECTORS:

HON. SENATOR GOWAN, K.C., L.L.D., C.M.G.

E. GURNEY, Esq.

L. W. SMITH, Esq., K.C., D.C.L.

J. K. OSBURN, Esq.

D. McCRAE, Esq., Guelph

MANAGING DIRECTOR:

WM. McCABE, L.L.B., F.I.A., F.S.S.

SECRETARY:

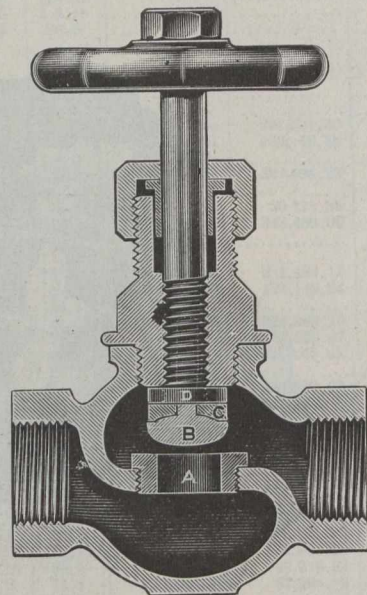
L. GOLDMAN, A.I.A.

MEDICAL DIRECTOR:

J. THORBURN, M.D. (Edin)

The report containing the proceedings of the Annual Meeting, held on January 20th last, showing marked proofs of the continued progress and solid position of the Company, will be sent to policy-holders. Pamphlets explanatory of the attractive investment plans of the Company, and a copy of the Annual report, showing its unexcelled financial position, will be furnished on application to the Head Office or any of the Company's agencies.

closed or open. It will at once be seen that by this arrangement, a maximum wearing surface is thus obtained with only a minimum portion of it exposed to the action of the steam. There is no packing required, and the plugs are made extra long with a suitable taper calculated to work easily. They are made either with or without



valves.—The "Shaw" Patent Universal Union Joint, for coupling steam, gas or water pipes. Don't confound it with the ordinary malleable-iron flange coupling—it is a totally different article—easily fixed, requires no packing. Can be used any number of times without injury. Offers every facility for coupling pipes in difficult positions either straight or at an angle. It is a universal union. It is well to know a good thing when you see it. It is better to have a good thing when you know it. Send for price lists and special terms under the new Canadian tariff to Joseph Shaw, Albert Works, Huddersfield, England.

HOBSON, HOUGHTON & CO.,

Successors to Francis Hobson & Son,

Don Steel Works, Sheffield, Eng.

As manufacturers of steel for all purposes the firm of Hobson, Houghton & Co., is so well known throughout the principal manufacturing centres of Europe, that the firm name or initials on steel or products thereof is sufficient guarantee against any hesitation as to the true character of the metal or of the tools which this firm also largely produce. As manufacturers of files, hammers, saws, forgings, castings, railway springs, etc., this firm's name has spread even further, because not only has it been at the front in the production of these articles for over 100 years, but has, at all times, maintained this position in respect to quality which, after all, is the test by which all manufacturers of such goods are best known and most readily advertised.

As sole manufacturers of the celebrated Hobson's "Choice" (XX) extra best and "Warranted" best cast steels for tools, etc., etc., the firm has a reputation which will stand as severe a

WILLIAM BODDEN & SON, Limited.

Spindle and Flyer Manufacturers.

Steel Spindles and Flyers and Ring Spindles of all kinds

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

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



SPINNING
and
DOUBLING RINGS.

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

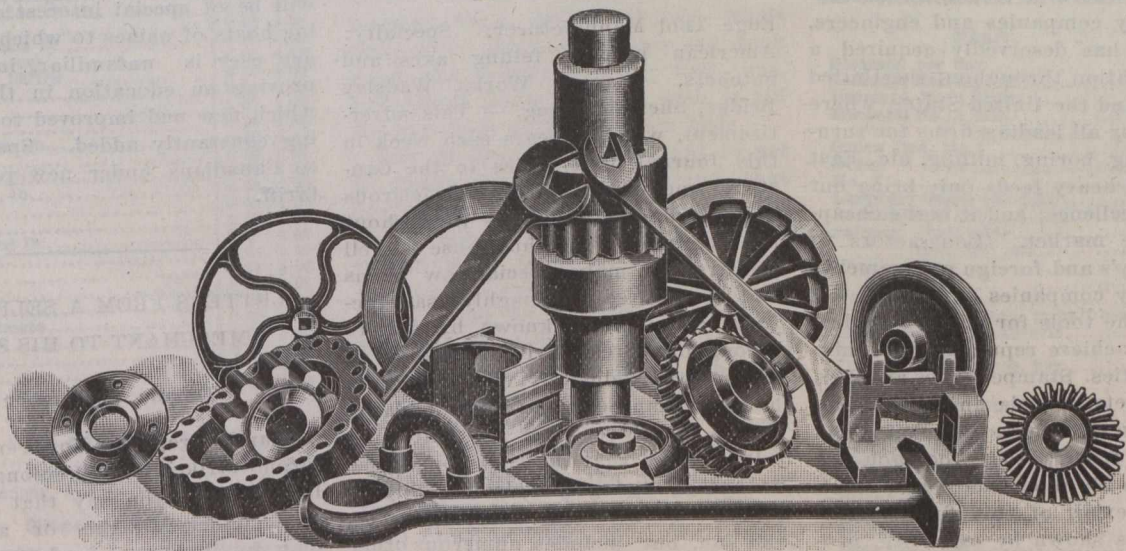
Repairs to Slubbing Intermediate and Roving Frames.—By our special method we can make old frames almost equal to new, no matter how distant the Mill may be from our Works.

Hargreaves Works, - - Oldham, England.

SPECIAL PRICES TO CANADIANS UNDER THE NEW TARIFF.

test as the steel which so ably won and continues to sustain it against anything produced. Hobson's "Choice" extra quality needle wire, as supplied to leading consumers in the United States for upwards of 90 years is kept as fully to the fore to-day in all the various and growing needs for which it is supplied, as when in the days of

John Crowley & Co., Limited.



MALLEABLE IRON CASTINGS

For Engineers, Railways, Ship Builders, &c. Enquiries Solicited.

STEEL MIXTURE CASTINGS

For Agricultural Implement Makers, Telegraph & Electrical Work, &c.

PRICES QUOTED TO DRAWINGS OR PATTERNS.

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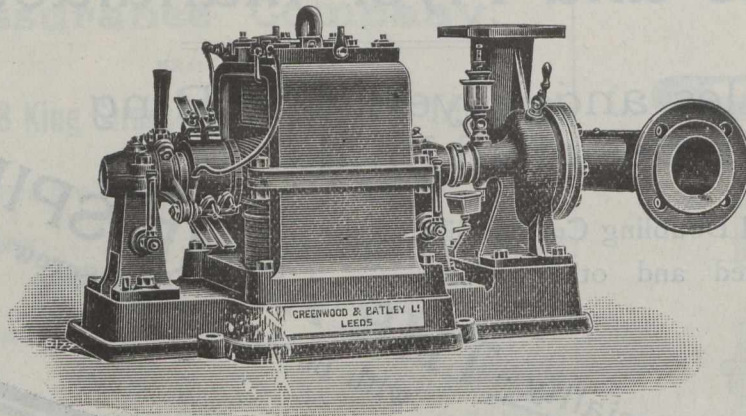
Machines in use, 2402

HP. 71,786.

Made from 1½ to 300 HP.

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

Agents for Australasia:
JAMES BARTRAM & SON, Melbourne.



No. 6771. ELECTRIC MOTOR PUMP, TYPE A. M. P. 72.

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

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

SOLE SELLING AGENTS:

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

To whom all Communications should be Addressed.

our forefathers it proved capable of severer trains than were even accorded its merits by the makers.

Hobson, Houghton & Co., Don Steel Works, with whom is incorporated Gregory & Bramall, Soho Steel Works, Sheffield, are sole manufacturers of "Soho" Special Self-Hardening Steel, for turning, planing, slotting, boring, etc. It is easy to work, everywhere in use where it is once heard of, and is preferred, wherever tested, by all leading railway companies and engineers. This steel has deservedly acquired a high reputation throughout the United Kingdom and the United States, where it is used by all leading firms for turning, slotting, boring, milling, etc. Fast speeds and heavy feeds only bring out its true excellence; and it is the cheapest on the market. Contractors to His Majesty's and foreign governments and railway companies

Among the tools for which this firm so readily achieve reputation are miners' specialties. Stamper shoes and dies, cams, tappets, wheels and axles, pulleys, sheaves, rollers, brackets, and borer steel from 7/8 to 1¼ octagon and from 1¼ to 2½ in standard and cruciform. A review of this firm's goods in detail, as shown by extensive, profusely illustrated catalogue before us, would occupy many pages, so we will refer our readers in the trade to the perfectness of this production and suggest that all interested send for this catalogue from which can be readily

seen the extent of this firm's plant, the perfection to which they have attained in the manufacture of high grade steel and steel tools, and the relative cheapness of their productions. Address Hobson, Houghton & Co., Don Steel Works, Sheffield, Eng.

ARTHUR STRINGER,

Edge Tool Manufacturer. Specialty: American pattern felling axes and hatchets. Niagara Works, Wadsley Bridge, Sheffield, Eng. — This advertisement, which appears each week in this Journal, is a notice to the Canadian trade that the above is desirous of extending his business throughout the Dominion. That this house is well prepared to make special low terms and guarantee thoroughly satisfactory tools is well known by dealers throughout Great Britain many of whom deal exclusively with the above house in many of these lines. A glance at the extensive price list before us tells at once that the edge tool house of Arthur Stringer deals not only in every edge tool manufactured under the sun, but includes numerous other utensils not properly brought under this head.

Even the up-to-date carpenter, whose only fear as he lays aside his trusty implements at the close of day, is that he may not possess all the variety of

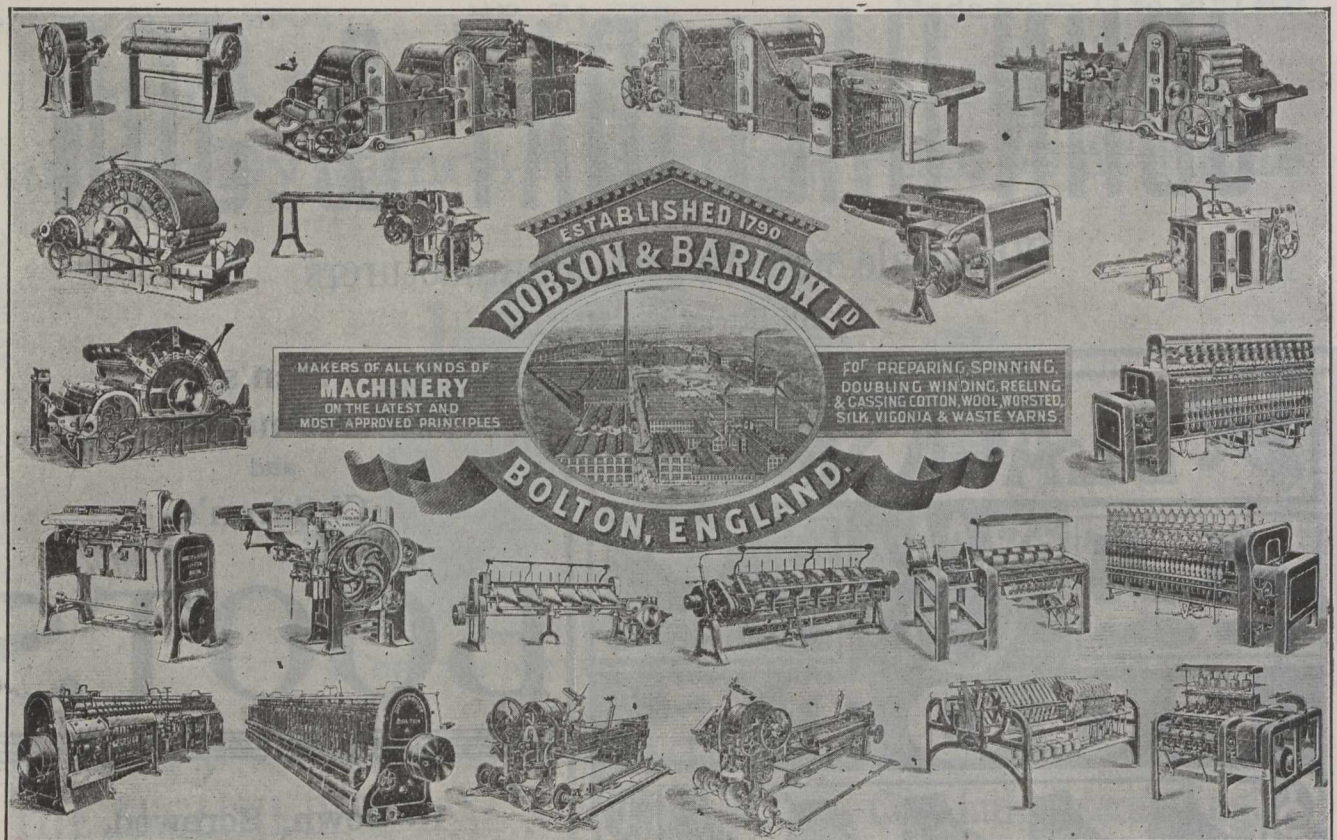
tools made for the furtherance of his skilled work, could readily find in the long list here enumerated so many tools not shown among his "kit" as to almost cause him to feel as though he has been all along working with but a jack-plane, saw and square. Mr. Stringer makes a specialty of heavy edge tools, in which his variety is most complete. Users of these will do well to send for price list, which will be of special interest as describing hosts of names to which the ordinary user is unfamiliar, in this way proving an education in this line to which new and improved tools are being constantly added. Special terms to Canadians under new preferential tariff.

LETTERS FROM A SELF-MADE
MERCHANT TO HIS SON.

Omaha, September 1, 189—.

Dear Pierrepont,—Yours of the 30th ultimo strikes me all wrong. I don't like to hear you say that you can't work under Milligan or any other man, for it shows a fundamental weakness. And then, too, the house isn't interested in knowing how you like your boss, but how he likes you.

I understand all about Milligan. He is a cross, cranky old Irishman with a temper tied up in bow knots, who



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

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, FEBRUARY 13, 1902.

Name of Article.	Wholesale	
Farm Products.—Con.		
CHEESE:	\$ c.	\$ c.
Finest, Oct.	0 09½	0 10½
Eastern, do	0 00	0 00
Quebec	0 00	0 00
Eggs: New shipped	0 30	0 32
Sol. fall	0 25	0 28
Straight fall	0 20	0 25
Limed	0 19	0 20
Cold storage	0 20	0 22
Hops: N. Y. State, per b.	0 11	0 12
Pacific Coast	0 14	0 14½
Canadian	0 12½	0 19
German	0 28	0 35
English	0 30	0 00
British Columbia	0 18	0 26
Hog Products:		
Bacon, smoked, per b.	0 14	0 15
Hams, city cured	0 12½	0 14½
Pork Ca. s.c. per bbl.	21 50	22 00
do mess.	21 00	22 50
Dressed Hogs, light	8 25	8 50
“ heavy	8 00	8 25
Lard, per b Can pure	0 11½	0 11½
“ Com. Refined	0 07½	0 08
SUNDRIES:—		
Potatoes, per bag of 90 lbs.	0 89	1 00
Honey, White Clov., Comb.	0 10	0 11½
“ Extracted	0 06½	0 08½
Beeswax	0 25	0 30
Beans: prime	1 30	1 40
do. Best hand-picked	0 00	1 45
Groceries.		
Canned Goods:		
Lobsters, ¼s to 1 lb.	1 75	3 25
Sardines, ¼	7 00	17 00
Canadian Sardines	3 75	4 00
Mackerel	1 00	1 10
Salmon, 4 doz. case	3 60	5 00
Clams, 1-lb tins, per	0 90	1 00
Oysters	1 15	1 40
Tomatoes, 3s. per doz.	0 87½	0 95
Peaches, 2-lb.	1 65	1 80
“ 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 Gages, 2-lb. tins, p. d.	1 30	1 50
Blue Plums, 2 lbs	1 00	1 10
Corn, 2 lb. tins.	0 80	0 85
Peas, 2-lb tins.	0 82½	0 90
String Beans	0 80	0 85
Sugars: Factory.		
Ex Granulated, brls.	0 00	3 90
Acadia gran'd.	0 06	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 Lumps, 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 Yellows	3 35	3 70

easy that the man who pays his salary shares your secret. Learn to keep back a bit from the base burner to let the village fathers get their feet on the fender and the sawdust box in range and you'll find them making a little room for you in your turn. Old men have tender feet, and apologies are poor salve for aching corns. Remember that when you're in the right you can afford to keep your temper, and when you're in the wrong you can't afford to lose it.

When you've got an uncertain cow its all O.K. to tie a figure eight in her tail if you ain't thirsty and its excitement you're after; but if you want peace and her nine quarts, you will naturally approach her from the side, and say, So-boss in about the same tone that you would use if you were asking your best girl to let you hold her hand.

Of course, you want to be sure of your natural history facts and learn to distinguish between a cow that's a kicker, but who's intentions are good if she's approached with proper respect, and a hooker who is vicious on general principles, and any way you come at her. There's never any use fooling with an animal of that sort, brute or human. The only safe place is the other side of the fence, or the top of the nearest tree.

When I was clerking in Missouri, a fellow named Jeff Hankins moved down from Wisconsin and bought a little clearing just outside the town. Jeff was a good talker but a bad listener, and so we learned a heap about how things were up in Wisconsin, but he didn't pick up much information about the habits of our Missouri fauna. When it came to cows he had a liberal education and he made out all right, but by and by it got on to ploughing time and Jeff naturally

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, FEBRUARY 13, 1902.

Name of Article.	Wholesale	
Molasses (Barbados)	\$ c.	\$ c.
do brls. & ½s.	0 31½	0 32½
Evaporated Apples	0 09½	0 10½
Raisins:		
Sultanas	0 09	0 12
Loose Musc. Malaga	0 08½	0 10
Layers, London	0 00	1 50
Con. Cluster	0 00	2 00
Extra Dessert	0 00	2 75
Royal Bucking'm	0 00	3 25
Valencia	0 05	0 06
“ Selected	0 06	0 06½
“ Layers	0 06½	0 07
Currants, Provincials	0 00	0 05
Filistras	0 00	0 06½
Patras	0 00	0 00
Vostizzas	0 00	0 07
Prunes, Cal.	0 07	0 09½
do French	0 04	0 05
Figs in bags	0 03½	0 00
“ new layers	0 08	0 13½
Baking Soda, 112 lb. keg	0 00	1 70
Spices: Cassia, mats	0 12	0 15
Mace	0 90	1 30
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 25½
Rice, C. C.		
“ standard B.	0 00	3 10
“ Patna, \$ 100 lb.	4 12½	4 62½
“ Burmah	4 00	4 10
“ Crystal Japan	5 00	5 10
“ Carolina, \$ 100 lb.	6 60	7 60
Pot Barley, bag 98 lbs	0 00	2 20
Pearl per lb.	0 03	0 05
Taploca, Pearl	0 00	0 04½
“ Flake	0 00	0 06
Gelatine, 1 qt pk.	1 10	0 00
“ 1½ qt pk.	1 75	0 00
Vinegar: less 10 p.c. dis.		
Imp Trip	0 33	0 00
Cote D'or	0 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 17	0 00
Pure Malt	0 45	0 00
Cider X	0 17	0 00
“ XXX	0 27	0 00
Hardware.		
Antimony	0 09½	0 10
Tin. Block, L & F, \$ b.	0 00	0 29
“ Straits	0 00	0 00
“ Strip	0 00	0 00
Copper: Ingot	0 00	0 30
CUT NAIL SCHEDULE.		
Base Price, per Keg, car lots	2 27½	0 00
Less quantity	2 35	0 00
Extras—Over and above 30d.		
40d, 50d, 60d and 70d Nails.		

Telegrams : "WATCH, PRESCOT."

The Lancashire Watch Co.

LIMITED.

PRESCOT, Lancashire, Eng.

The Largest Manufacturers of

ENGLISH WATCHES

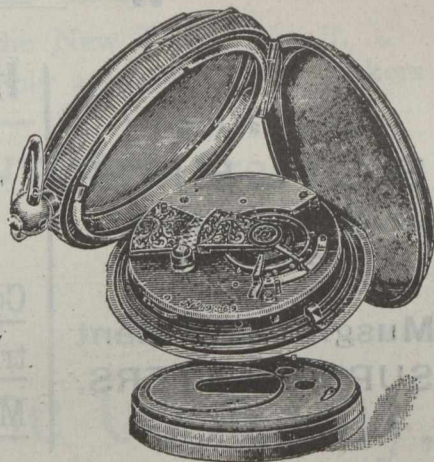
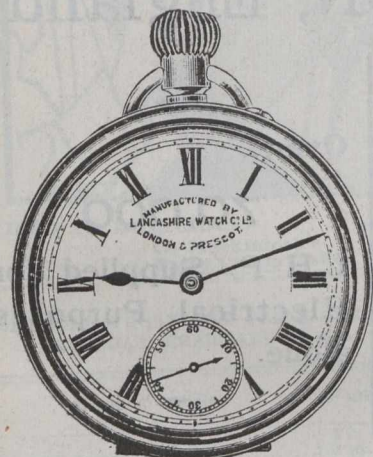
In Great Britain.

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

SPECIALITIES FOR THE CAPE TRADE.
SPECIAL TERMS TO SHIPPERS.

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

LONDON OFFICES:



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

AGENTS FOR CANADA:

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

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, FEBRUARY 13, 1902.

Name of Article	Wholesale.		
	\$	c	¢
Hardware.—Con.			
Cut and Fence Nails—			
16 and 20d Hot Cut, per 100 lbs.	0 05	0 00	
10 and 12d " " "	0 10	0 00	
8 and 9d " " "	0 15	0 00	
6 and 7d " " "	0 30	0 00	
4 and 5d " " "	0 40	0 00	
3d " " "	0 65	0 00	
2d " " "	1 00	0 00	
Cut spikes 10c, per Keg advance.			
Fine blined nails—			
3d per 100 lbs.	1 00	0 00	
3d " " "	1 50	0 00	
Casing, Box, Tobacco Box and			
Flooring Nails—			
30 to 30d per 100 lbs.	0 55	0 00	
10 to 16d " " "	0 60	0 00	
8 and 9d " " "	0 65	0 00	
6 and 7d " " "	0 70	0 00	
4 and 5d " " "	0 95	0 00	
3d " " "	1 20	0 00	
2d " " "	1 50	0 00	
Finishing nails—			
3 inch and longer per 100 lbs.	0 60	0 00	
2 1/2 and 2 3/4 inch " " "	0 65	0 00	
2 and 2 1/2 inch " " "	0 70	0 00	
1 1/2 and 1 3/4 inch " " "	0 95	0 00	
1 1/4 and 1 1/2 inch " " "	1 20	0 00	
1 inch " " "	1 50	0 00	
Slatting nails—			
1 1/2 and 1 3/4 inch per 100 lbs.	0 95	0 00	
1 1/4 " " "	1 20	0 00	
1 " " "	1 50	0 00	
Common barrel nails—			
1 1/2 inch per 100 lbs.	1 00	0 00	
1 " " "	1 00	0 00	
3/4 " " "	1 25	0 00	
1/2 " " "	1 50	0 00	
Clinch nails—			
3 inch and longer per 100 lbs.	0 60	0 00	
2 1/2 and 2 3/4 inch " " "	0 65	0 00	
2 and 2 1/2 inch " " "	0 70	0 00	
1 1/2 and 1 3/4 inch " " "	0 95	0 00	
1 1/4 and 1 1/2 inch " " "	1 20	0 00	
1 inch " " "	1 50	0 00	
Sharp and flat pressed nails			
3 inch and longer per 100 lbs.	1 35	0 00	
2 1/2 and 2 3/4 inch " " "	1 50	0 00	
2 and 2 1/2 inch " " "	1 65	0 00	
1 1/2 and 1 3/4 inch " " "	1 85	0 00	
1 1/4 and 1 1/2 inch " " "	2 50	0 00	
1 inch " " "	3 00	0 00	
Coil Chain—No. 6.	0 11 1/2	0 00	
" " " " No. 5.	0 10	0 00	
" " " " No. 4.	0 09 1/2	0 00	
" " " " No. 3.	0 09	0 00	
1/2 inch.	0 07 1/2	0 00	
5-16.	4 35	0 00	
3/8.	4 25	0 00	
7-16.	4 00	0 00	

bought a mule — a little moss eaten cuss with sad' dreamy eyes and droopy wiggly-woggly ears that swung in a circle as easy as if they ran on ball bearings. Her owner didn't give her a very good character, but Jeff was too busy telling how much he knew about horses to pay much attention to what anybody was saying about mules. So finally the seller turned her loose in Jeff's lot, told him he wouldn't have any trouble catching her, if he approached right, and hurried off out of range.

Next morning at sun-up Jeff picked out a bridle and started off whistling Buffalo Gals—he was a powerful pretty whistler and could do the mocking bird with variations—to catch the mule and begin his ploughing. The animal was feeding as peaceful as a water color picture and she didn't budge; but when Jeff began to get nearer her ears drooped back along her neck as if she had lead in them. He knew the symptom and so he closed up kind of cautious, aiming for her at right angles and gurgling, "Muly, muly, here muly; that's a good muly," sort of soothing and caressing like. Still she didn't stir and Jeff got right up to her and put one arm over her back and began to reach forward with the bridle, when something happened. He could never explain just what it was, but we judged from the marks on his person that the mule had reached forward and kicked the seat of his trousers with one of her prehensile hind feet; and had reached back and caught him on

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, FEBRUARY 13, 1902.

Name of Article.	Wholesale.
Coil Chain—No. 1/4	\$ 85 0 00
9-16	3 75 0 00
3/4	3 65 0 00
1/2	3 75 0 00
1 in.	3 60 0 00
Galvanized Staples—	
100 lb. box, 1 1/2 to 1 3/4	3 25 0 00
Bright, 1 1/2 to 1 3/4	2 90 0 00
Galvanized Iron:	
Queen's Head, } or equal, } gauge 28	4 40 4 65
Comet do } 28 gauge	4 10 4 35
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. 1 in.	2 72
3/4 in.	2 92
1 in.	3 42
1 1/4 in.	4 85
1 1/2 in.	6 85
2 in.	8 20
2 1/2 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
IXY "	6 50

Telegraphic Address:—Musgrave, Bolton, England.

JOHN MUSGRAVE & SONS,

LIMITED,

Globe Iron Works,

BOLTON, England.

Horizontal and Vertical ENGINES

Of Designs to Suit Purchasers for

Cotton Mills, Rolling Mills and Elec-
tric Light Stations, Winding Engines,
Mill Gearing and Cranes . . .

Makers of all classes of
BOILERS,
Up to 300 lbs. pressure
per square inch.
**Musgrave's Patent
SUPERHEATERS.**

Over....

70,000

I. H. P. Supplied for
Electrical Purposes
alone.

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, FEBRUARY 13, 1902.

Name of Article.	Wholesale.
Torne Plate IC, 20x28	7 75 0 00
Russ. Sheet Iron	0 10 0 00
Lion & Crown tin'd sh ts.	0 00 7 75
22 and 24 guage case lots	0 00 7 00
26 guage	0 00 7 75
Lead: Pig, per 100 lbs;	3 25 3 25
Sheet	0 00 0 04
Shot, 100 lb., less 22 p c.	0 00 6 50
Lead Pipe, per 100 lbs.	7 00 0 00
	less 35 p.c.
Zinc:	
Spelter, per 100 lbs.	0 00 4 75
Sheet, Zinc "	5 75 6 00
Black Sheet Iron.	
Per 100 lbs.	
8 to 16 guage	2 45 0 00
18 to 20 do	2 40 0 00
22 to 24 do	2 45 0 00
26 do	2 50 0 00
28 do	2 55 0 00
Wire:	
Plain galv'd, No. 5	3 95 0 00
do do No. 6, 7, 8	3 45 0 00
do do No. 9	2 80 0 00
do do No. 10	3 55 0 00
do do No. 11	3 65 0 00
do do No. 12	2 95 0 00
do do No. 13	3 05 0 00
do do No. 14	4 05 0 00
do do No. 15	4 55 0 00
do do No. 16	4 80 0 00
Barbed Wire	3 00 f.o.b.
Spring Wire per 100, 1.25	Montreal.
net extra.	
Iron and Steel Wire pl'n	
6 to 9	2 80 base.
Rope.	
Sisal, base	0 00
" 7-16 and up.	0 12
" 5-16 "	0 12
" 3-16 "	0 12
" 3-16 "	0 12
Manilla, 7-16 & lgr.	0 16
" 3-16 "	0 16
" 5-16 "	0 17
" 3-16 "	0 17
" 3-16 "	0 17
Lath yarn.	0 10
Wire Nails.	
Base Price carload	2 50
Less than	2 55
2d extra	1 00
2d f "	1 00
3d "	0 65
4d and 5d "	0 40
6d and 7d "	0 30
8d and 9d "	0 15
10d and 12d "	0 10
16d and 20d "	0 05
30d to 60d "	Base
Building Paper.	
Tarred felt, per 100 lbs.	1 70 0 00
3 ply, Ready R'f'g., roll	0 85 0 00
" " " "	1 10 0 00

the last button of his waistcoat with one of her limber fore feet; and had twisted around her elastic neck and bit off a mouthful of his hair. When Jeff regained consciousness he reckoned that the only real safe way to approach a mule was to drop on it from a balloon.

I simply mention this little incident as an example of the fact that there are certain animals with which the Lord didn't intend white men to fool. And you will find that, as a rule, the human varieties of them are not the fellows who go for you rough-shod, like Milligan, when you're wrong. It's when you come across one of those gentlemen who've more oil in their composition than any two legged animal has a right to have, that you should be on the lookout for concealed deadly weapons.

I don't mean that you should distrust a man who is affable, and approachable, but you want to learn to distinguish between him and one who is too affable and too approachable. The adverb makes the difference between a good and a bad fellow. The bunco men aren't all at the country fair, and they don't all operate with the little shells and elusive pea. When a packer has learned all that there is to learn about quadrupeds, he knows only one-eighth of his business; the other seven-eighths and the important seven-eighths has to do with the study of bipeds.

I dwell on this because I am a little disappointed that you should have made such a mistake in sizing up Milligan. He isn't the brightest man in the office, but he is loyal to me and to the house, and when you have been in business as long as I have you will be inclined to put a pretty high value on loyalty. It is the one commodity that hasn't any market value, and it's the one that you can't pay too much for. You can trust any number of men with your money, but

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, FEBRUARY 13, 1902.

Name of Article	Wholesale.
Hides and Tallow.	
Montreal Green Hides	
" No. 1	0 07 0 00
" No. 2	0 06 0 00
" No. 3	0 05 0 00
Tanners pay \$1 extra for sorted cured & inspect'd Sheepskins	0 00 0 00
Clips	0 00 0 00
Lambskins each	0 00 0 65
Calfskins, No. 1	0 00 0 09
" No. 2	0 00 0 07
Horsehides	1 50 2 00
Leather	
No. 1 B. A. Sole	0 27 0 28
No. 2 B. A. Sole	0 25 0 26
No. 3 B. A. Spanish Sole	0 24 0 25
Slaughter, No. 1	0 28 0 29
light medium & heavy	0 28 0 29
" No. 2	0 26 0 27
Harness	0 26 0 32
Upper, heavy	0 34 0 36
Upper, light	0 35 0 37
Grained Upper	0 34 0 35
Scotch Grain	0 35 0 38
Kip Skins, French	0 60 0 65
English	0 45 0 55
Canada Kip	0 50 0 60
Hemlock Calf	0 50 0 70
" Light	0 50 0 60
French Calf	0 35 1 10
Splits, light and medium	0 22 0 25
" heavy	0 17 0 20
" small	0 18 0 20
Leather Board, Canada	0 06 0 10
Enameled Cow, per ft.	0 16 0 18
Pebble Grain	0 12 0 14
Glove Grain	0 12 0 13
B. Calf	0 15 0 20
Brush (Cow) Kid	0 11 0 13
Buff	0 13 0 16
Russette, light	0 35 0 40
" heavy	0 25 0 30
" No. 2	0 25 0 40
" Saddlers' doz.	7 50 9 00
Int. French Calf	0 65 0 75
English Oak lb	0 30 0 35
Dongola, extra	0 38 0 42
" No. 1	0 20 0 22
" ordinary	0 14 0 16
Colored Pebbles	0 13 0 16
" Calf	0 16 0 22
Oils	
Cod Oil	0 37 0 40
S. R. Pale Seal	0 50 0 55
Straw Seal	0 40 0 50
Cod Liver Oil, Nfd. Norw	
Process	0 85 1 00
" Norwegian	0 95 1 10
Castor Oil	0 09 0 10
Castor Oil brls	0 00 0 09
Lard Oil, Extra	0 75 0 85
" "	0 65 0 75
Linseed, raw, nett	0 74 0 75
" boiled, nett	0 77 0 78
Olive, pure	1 05 1 15
Extra, qt., per case	0 00 3 70
Turpentine, nett	0 66 0 67
Petroleum:	
Benzine	0 20 0 30
Gasoline	0 19 0 30
Silver Star	0 14 0 15

John Mackintosh, Ltd.,

"THE
TOFFEE
MILLS."

HALIFAX, ENGLAND.

Mackintosh's Extra TOFFEE Cream

HAS THE LARGES SALE
IN THE WORLD.

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ENGLAND



ISN'T IT DELICIOUS?

Its Mackintosh's
Extra Cream Toffee."

"The
Toffee
Mills."

MONTREAL WHOLESALE PRICE CURRENT
THURSDAY, FEBRUARY 13, 1902.

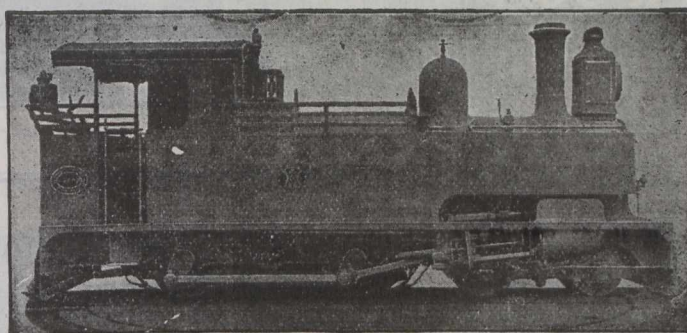
Name of Article.	Wholesale.	
	\$ c.	\$ c
Imperial Acme.....	0 16	0 17
American W. W.....	0 18	0 19
Astral.....	0 19	0 20
Class.		
United inches, 00 to 25.....	0 00	2 10
do 26 to 40.....	0 00	2 20
do 41 to 50.....	0 00	4 70
do 51 to 60.....	0 00	4 95
Paints, &c.		
Lead pure 50 to 100 lb. sgs.....	0 00	5 87½
do No. 1.....	0 00	5 50
do No. 2.....	0 00	5 12½
do No. 3.....	0 00	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 Gilders.....	0 60	0 70
do Paris, do.....	0 85	1 00
English Cement, cask.....	3 25	2 25
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.....	11½	0 13
do bris.....	0 00	0 14
American White, bris.....	0 16	0 20
Coopers' Glue.....	0 20	0 25
Golden Ochre.....	0 04	0 14
Brunswick Green.....	0 04	0 10
French Imperial Green.....	0 12	0 15
Genuine Quicksilver.....	0 90	0 95
No. 1 Furnit's Varn'h, pr.gl.....	0 65	0 70
do do do.....	0 75	1 00
Erown 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 1.
North West.....	0 13	0 1.
Unwashed.....	0 08	0 00
Pulled, combing.....	0 00	0 00
do saper.....	0 00	0 21
do extra.....	0 00	0 33
B. A. Scoured.....	0 25	0 33
Natal.....	0 16	0 16½
Caps, greasy.....	0 134	0 15
Chilian.....	0 11½	0 13
Australian greasy.....	0 16	0 20

THE

Telegrams: "ENGINE, LEEDS.

Hunslet Engine Company,

LEEDS, Eng.



Locomotive
Tank Engines

of all descriptions
and any size, for

Ironworks, Col-
lieries, Contrac-
tors, Docks,
Manufactories,
Branch Railways,
&c., &c.

Specially designed
for any circumstan-
ces, or to suit any
Gauge of Railway.

Arrangements
Made for Hire.
On Purchasing Lease
or otherwise.

Special prices to Canadians under the New Canadian Tariff.

mighty few with your reputation. Half the men who are with the house on pay day are against it the other six.

A good many young fellows come to me looking for jobs, and start in by telling me what a mean house they have been working for; what a cuss to

get along with the senior partner was; and how little show a bright, progressive clerk had with him. I never get very far with a critter of that class, because I know that he wouldn't like me or the house if he came to work for us.

I don't know anything that a young business man ought to keep more entirely to himself than his dislikes, unless it be his likes. It's generally expensive to have either, but its bankruptcy to tell about them. It's all right to say nothing about the dead but good, but its' better to apply the rule to the living, and especially to the house which is paying your salary,

Just one word before I close, as old Doc Hoover used to say, when he was coming into the stretch, but still a good ways off from the benediction. I have noticed that you are inclined to be a little-chesty and starchy around the office. Of course, it's good business, when a fellow hasn't much behind his forehead, to throw out his chest to attract attention to his shirt-front. But as you begin to

meet the men who have done something that makes them worth meeting you will find that there are no "keep off the grass" or "beware of the dog" signs around their premises, and that they don't motion to the orchestra to play slow music while they talk.

Superiority makes every man feel its equal. It is courtesy without condescension; affability without familiarity; self-sufficiency without selfishness; simplicity without snide. It weighs sixteen ounces to the pound without the package, and it doesn't need a four-colored label to make it go.

We are coming home from here. I am a little disappointed in the showing that this house has been making. Pound for pound it is not getting nearly so much out of its hogs as we are in Chicago. I don't know just where the leak is, but if they don't do better next month I am coming back here with a shotgun, and there's going to be a pretty heavy mortality among our head men.

Your affectionate father,
JOHN GRAHAM.

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

MADE IN LIVERPOOL, ENGLAND.

TRADE PRICE:

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

Per lb.

"Order direct or through your jobber."

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

Special prices to Canadians under the
new Tariff.

ESTABLISHED 1878.

THOMPSON'S PRINTERS
PEARLINE
REGISTERED.

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

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

WORKS: HIGH COURT LANE, LEEDS

England

**ENGLISH ELECTRICAL APPLI-
ANCES.**

Distribution of Power by Alternate
Electric Currents.

The Ferranti Rectifier.

Messrs. Ferranti have paid great attention to the conversion of alternating currents into uni-directional pulsating ones; this they call rectification, and the conversion is carried out by a piece of apparatus called a rectifier. A considerable number of these rectifiers have been used in England with conspicuous success, sufficient of the alternating current being taken off the main bars and converted by the rectifiers into rectified currents of high tension for working street lamps in series. Such lamps have all the advantages of continuous current lamps in that there is a positive definite carbon, which has a crater and throws its light downwards, the rectified current, as regards electro-magnetic power, is about midway between ordinary continuous and the alternating currents, but the slight vibratory action of the rectified current makes it easy to work the lamps and to get excellent results. We reproduce an illustration of the

ESTABLISHED 1858. ESTABLISHED 1859.

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

PATENT PAPER PERFORATED & SPECIAL TUBES & SPOOLS
FOR RESEARCH AND TESTING.

PERFORATED TUBES on E. JAGGER & Co's Patent System.
CANNETTES, PAPER FIRMS.

Patent Conical and Parallel TUBES and SPOOLS
For Fine Weaving, Double Combs, &c.

OLDEST MAKERS OF PAPER SPOOLS & BLOCKS
FOR THE WEAVING.

COMPRESSED PAPER BOBBINS OF ALL KINDS
FOR MILL PURPOSES.
For Ring, Ringless, Intermediate, and Lapping Frames, Warping, Finishing,
and Ring Doubling Machines, &c. &c.

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

PAPER TAP SLEEVES for Brewers, &c. BRASS & WIRE SPINDLE KINGS.

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

With an extensive stock of material made to measure and workshop tools,
the most Expeditious & Pleading Tubing can be furnished
at Manchester, Long Finesse and other Manufactures.

Manchester Royal Exchange: Telephone: "TUBARY, Oldham."
No. 10, FINE, ST. Telephone: "TUBARY, Oldham."
Telephone: "TUBARY, Oldham." All Communications to be
addressed to the Works.

Oldham Cop Tube Works.
MOORHEY, OLDHAM,
ENGLAND.

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

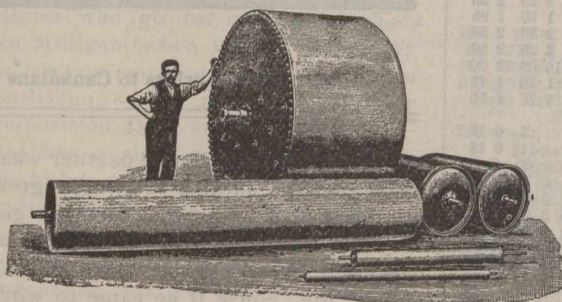
Donovan & Co., Ltd.,

Successors to

J. S. LEACH & Co, Ltd.

Engineers, Tin and
Copper Smiths.

Designers of Special
Machinery.



Broughton Bridge Iron Works,
SALFORD, MANCHESTER, ENGLAND.

D. & S. Electrical Accessories.

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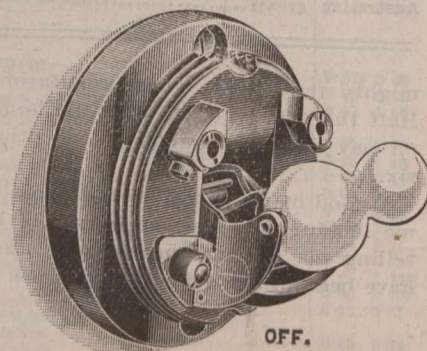
All Porcelain and Metal
No Fibre or Ebonite Used.
Long Break and Clearance.

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Head Office and Works:

Ordsal Electrical Works, - SALFORD, Eng.



OFF.

Johnson & Tucker

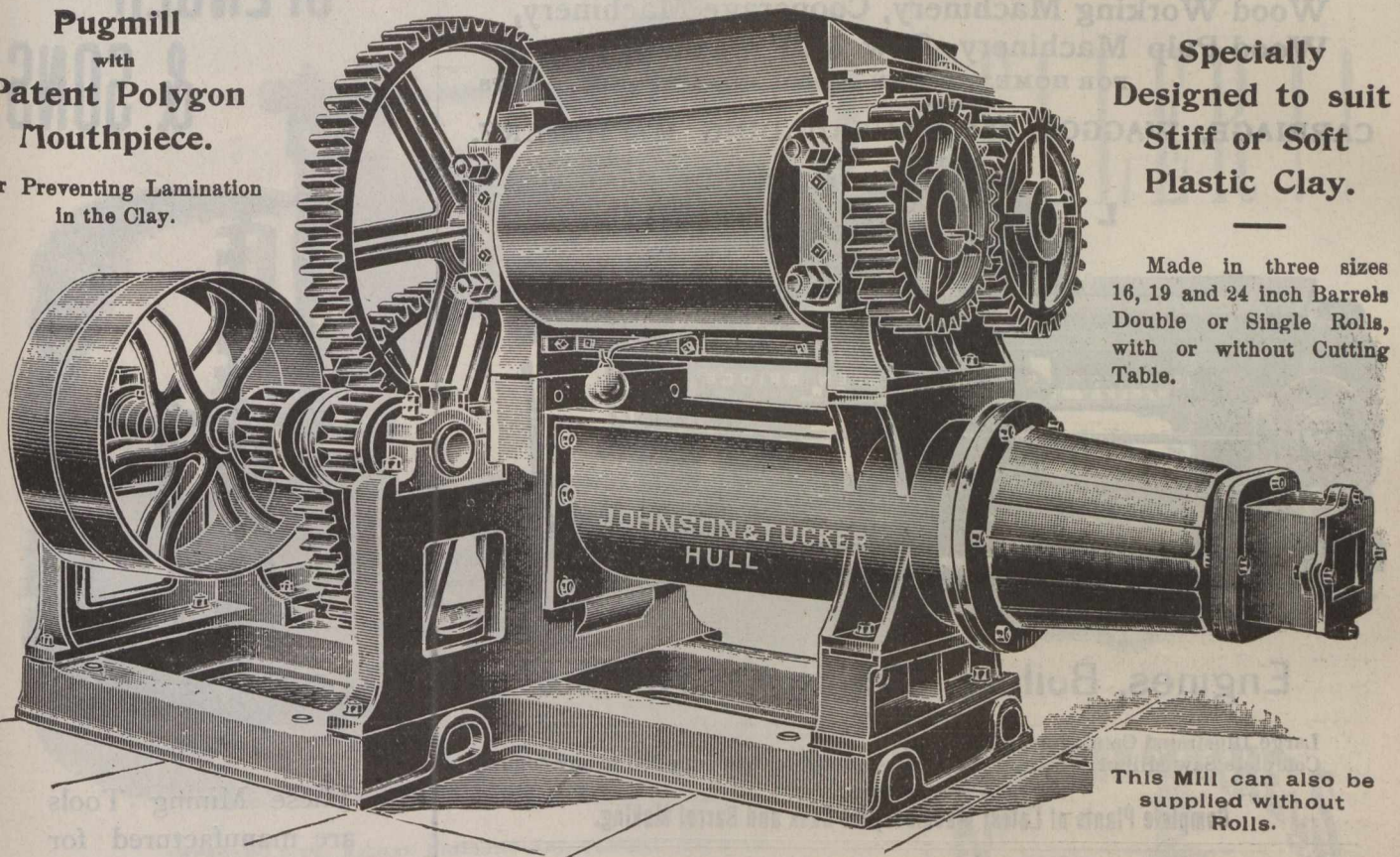
Wilmington,
Hull, England.

(Late SHEPHERD, HILL & Co.,

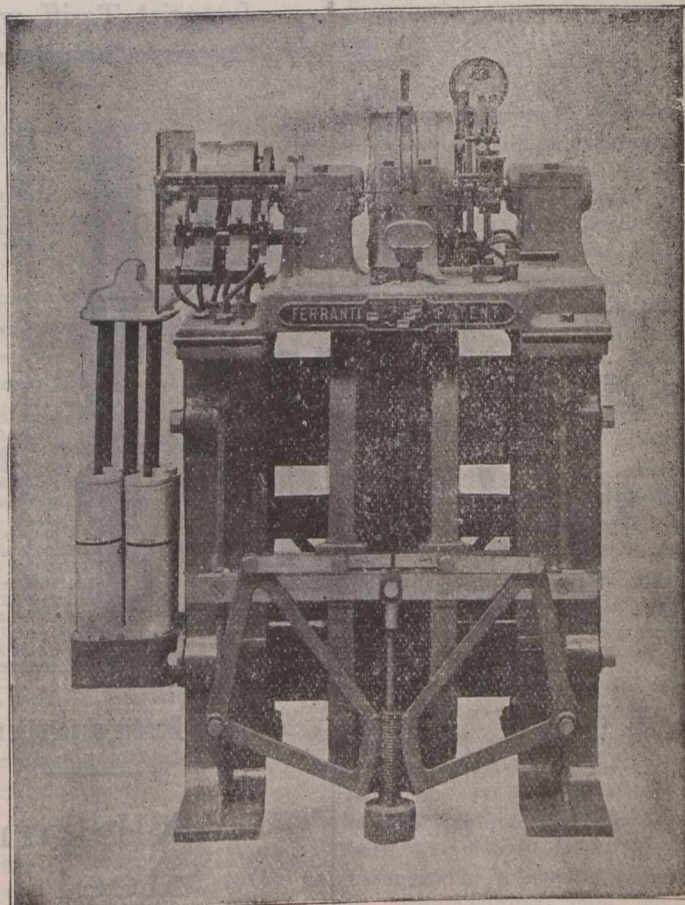
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with
Patent Polygon
Mouthpiece.
For Preventing Lamination
in the Clay.

Specially
Designed to suit
Stiff or Soft
Plastic Clay.

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



This Mill can also be
supplied without
Rolls.



Ferranti Rectifier, manufactured by Ferranti, Limited, of Hollinwood, Lancashire, England, which forms a complete appliance for supplying arc lamps in series with a uni-directional

current from alternating current stations, by the use of which only one class of generating plant is required for both incandescent and uni-directional arc lamp loads. This standard

rectifier is made suitable for feeding a maximum of fifty 12amp. arc lamps.

The actual tested full load efficiency is 88 per cent., with a power factor of .9. (The losses include the power required to drive the motor as well as iron and copper losses on the constant current transformer, and losses in commutation).

The rectified arc produces effectual light by a 10amp. arc lamp equivalent to a 15amp. alternating current lamp at the same voltage, thus minimizing the maintenance in carbons, as well as initial cost of cables and lamps. This type of rectifier is in use in a large number of stations, including Plymouth, Paisley, Taunton, Blackpool, and Hanley, on periodicities of 50, 60, 83, and 100, and runs equally well on all types of alternators and engines.

"The rectifier system is by far the cheapest and most efficient, and after practical usage has been proved to be very reliable when given a reasonable amount of attention." A pamphlet bearing the title of the "Ferranti Arc Light System" can be obtained on application to the makers, Messrs. Ferranti, Limited, Hollinwood, Lancashire, England.

THE LEMON OIL INDUSTRY.

The following is from a paper read at a recent meeting of the London Section of the Society of Chemical Industry:

The two principal lemon-growing districts now are Sicily and the Rivie-

JOHN PICKLES & SON,

Saw-Mill Engineers and Wood-Working Machinists,

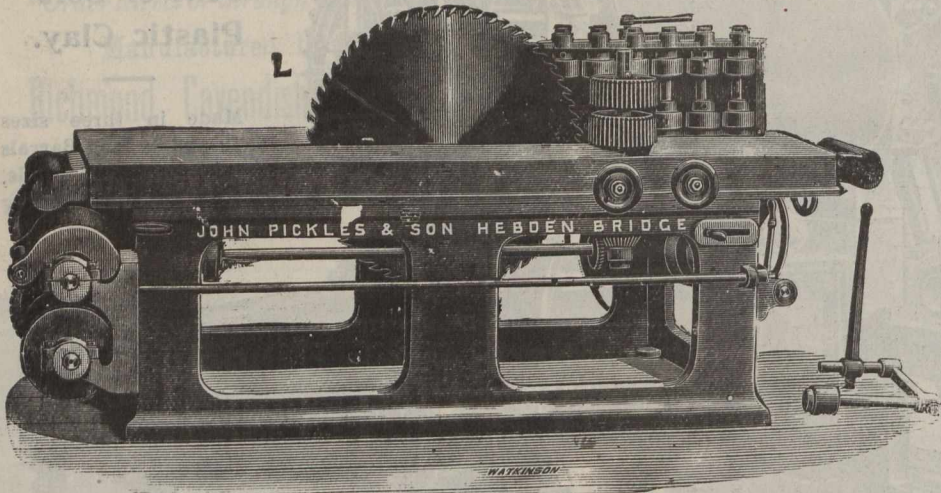
HEBDEN BRIDGE, ENGLAND.

Makers of Every Description of

Wood-Working Machinery, Cooperage Machinery, Wood-Pulp Machinery, Saw Mill Machinery . . .

FOR HOME, FOREIGN and COLONIAL REQUIRMENTS.

CARRIAGE, WAGGON and SHIPBUILDING MACHINERY.



Engines, Boilers, Shafting, Saws, &c.

Large Illustrated Catalogue on Application. Complete Saw Mill or Woodworking Plants quoted for and supplied to any country.

Complete Plants of Latest Machinery for Cask and Barrel Making.

ra, but the Tyrol, Spain, Portugal, and the countries on the south coast of the Mediterranean also supply a very considerable quantity of the fruit.

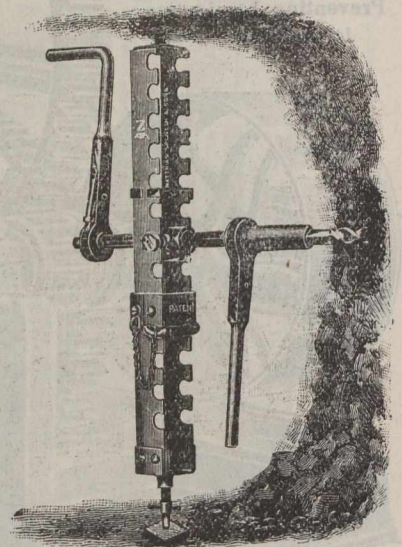
The climate for the cultivation of the lemons should be moist and sheltered, and the soil naturally drained. The cultivated trees of Sicily demand such an amount of moisture as can be obtained only at the mountain slopes, and the structure of the mountains is peculiarly favorable to this end. The loose stones of which they are mostly composed absorb the rain water through their innumerable pores and fissures, and afterwards allow it to swell forth in springs lower down. In this way the irrigation, which is absolutely indispensable for the members of the citron tribe during the dry season, is obtained.

The whole north and east coast, from the Bay of Castella round by Messina to Avola, is an almost endless succession of orchards. In the interior of Sicily practically no lemon, or, indeed, other trees, are cultivated. A young lemon tree will begin bearing when five years old, and will produce about 200 lemons. When fifteen or twenty years old it will average 1,000 fruit a tree, and a full grown tree will produce from 3,000 to 5,000. A lemon tree can be made to flower early by suitable irrigation, and so bear fruit (the summer crop), which is nearly all exported, and fetches high prices, but it is said, however, to be detrimental to the tree and not to be indulged in too many times in succession, the trees being allowed to take their natural course, and to produce fruit ripening in December.

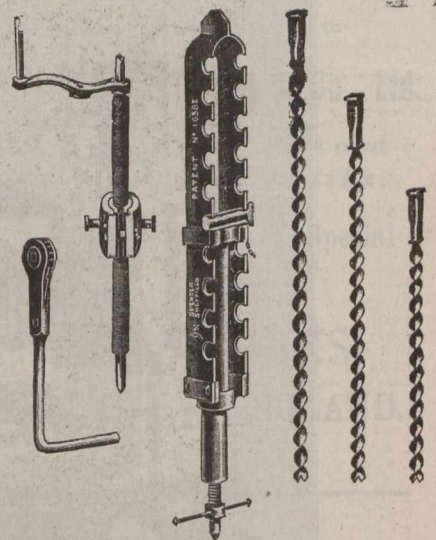
The cultivation of the lemon and production of its essential oil is probably the chief revenue-bearing industry of Sicily. In compiling their commercial statistics the Italian Board of Trade do not specify the lemons separately from the oranges, and there is no reliable information as to the value of the industry from the exports, but the extent of the industry in Sicily may be gathered from the statistics of the export from the two principal towns, viz., Palermo and Messina. Palermo exported, in 1899, oranges and lemons, 56,583,720 kilos. Out of this amount there were imported to the United Kingdom 11,018,470 kilos. In 1898 Palermo exported 51,759 kilos of essential oils, and in 1899, 72,620, an increase of 40 per cent. In 1899, of raw lemon juice, 767,620 kilos; citrate of lime, 301,380 kilos. Messina exported, 1899, oranges and lemons, 59,809,682 kilos; of essential oils, 363,312 kilos; citric acid, 111,070 kilos; citrate of lime, 1,060,000 kilos; concentrated lemon juice, 2,147,719 kilos. Catina exported, in 1899, 53,451 tons of oranges and lemons, valued at £250,316.

Although Sicily and the Riviera are the chief producing districts of the lemon, there is apparently no good reason why our own colonies should not encourage the cultivation of this fruit. Australia has for many years supplied its own requirements in oranges and lemons. The lemon tree has also been cultivated in New South Wales, Paramatta, Florida, California, and Jamaica, with varying success. Dr. James Neish, in an article in the Journal of the Jamaica Agricultural Society, July, 1901, in speaking of the par-

MATTHIAS, SPENCER & SONS,



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



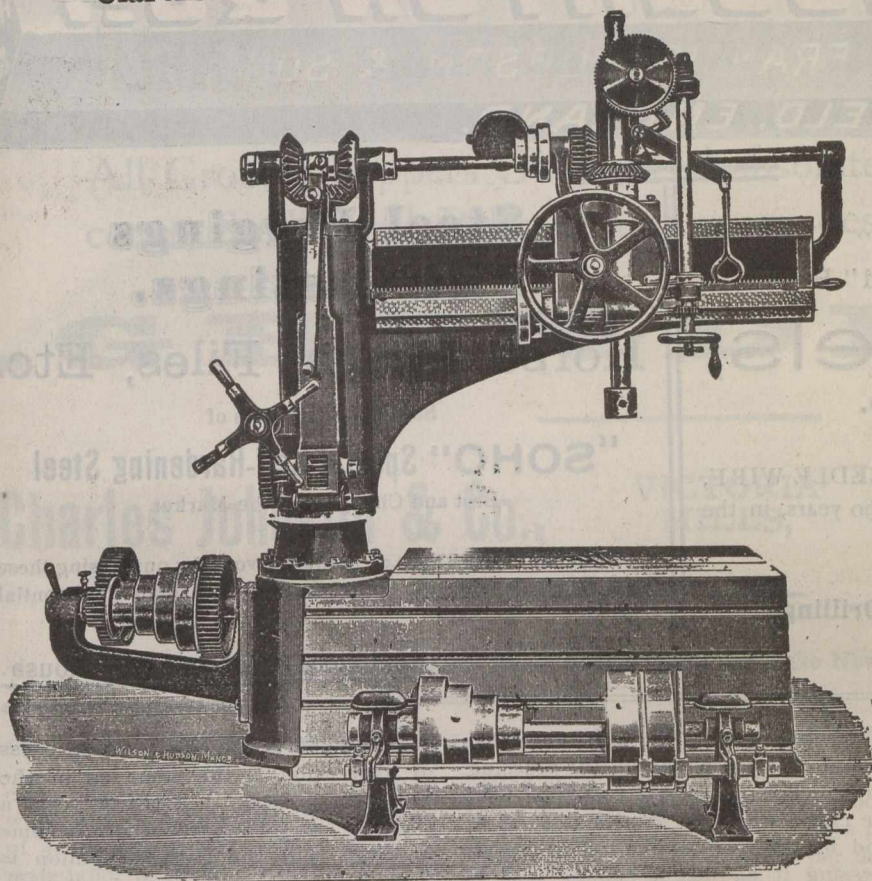
Ratchet Handle charged extra.

Albion
Steel
Works,

SHEFFIELD, ENGLAND.

GEORGE SWIFT,

Claremont Iron Works, HALIFAX, ENGLAND.



IMPROVED 5-FT. RADIAL DRILLING AND TAPPING MACHINE

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

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.

STOCKS AND BONDS—INSURANCE COMPANIES—CANADIAN.—Montreal Quotations Feb. 10, 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.	150	\$50	96
Canada Life.....	2,500	5-6mos.	400	50	....
Confederation Life.....	10,000	7½ 6mos.	100	10	....
Western Assurance.....	25,000	5-6mos.	40	20	95½
Guarantee Co. of North America.....	13,372	6	50	50	....

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

Alliance Assur.....	250,000	2s. p.s.	20	2 1-5	9½	10
Atlas.....	24,000	24 p.s.	50	6	£27	£28
British and Foreign Marine.....	87,000	25	20	4	18½	19½
Caledonian.....	21,500	12s. p.s.	25	5	5	36 7-1
Commercial U. Fire, Life and Marine.	50,000	27½	50	5	44	45
Guardian Fire and Life.....	200,000	9	10	5	9½	9½
Imperial Fire.....	60,000	25	20	5	27	28
Lancashire Fire.....	136,493	5	20	2	3½	3½
Lion Fire.....	100,000	3	20	1½	5	5
London and Lancashire Fire.....	85,100	22	25	2½	17½	18
London Assurance Corporation.....	35,862	20	25	12½	51½	52½
London & Lancashire Life.....	10,000	10	10	2	8	8½
Liv. & Lon. & Globe Fire and Life...	391,752	90	St.	2	44	45
Northern Fire and Life.....	30,000	*22½	100	10	72	74
North Brit. & Merc. Fire and Life.....	110,000	30s. p.s.	25	6½	36	37
Norwich Union Fire.....	11,000	*33½	100	12	102	105
Phoenix Fire.....	52,776	35	50	5	£36	£37
Royal Insurance Fire and Life.....	125,224	58½	20	10	48½	49½
Sun Fire.....	240,000	8s 6d p.s.	10	10	10	10½
Union.....	45,000	18 p.s.	10	4	12	14

*Excluding periodical cash bonus.

tial failure to grow lemons in that island, says: "There is no reason why this discouraging episode should deter others from a similar attempt if carried out on better lines, and, in point of fact, the cultivation of lemons has been recently attempted in the island, but on a smaller scale than at first." There are seen, in the galleries of the Imperial Institute, samples of lemon, Seville orange and Tangerine

orange oils, which have been actually expressed in Trinidad, Dominica, and Jamaica. The West Indies supply us with the majority of limes and lime oil. Why should they not supply us in like manner with lemons?

The extraction of the oil from the fruit differs from the usual method pertaining to essential oils, inasmuch as the majority of such oils are obtained by distillation processes; that

GOLD MINERS DRILL STEELS

HOBSON, HOUGHTON & CO.

SUCCESSORS TO FRANCIS HOBSON & SON

SHEFFIELD, ENGLAND.

MINE
HAMMER
& PICK

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.

Established upwards of 100 Years.

Steel Forgings And Castings.

Horse Rasps, Files, Etc.

Sole Manufacturers of

"SOHO" Special Self-Hardening Steel

Best and Cheapest on the Market.

Canadians have 33 $\frac{1}{8}$ p.c., in their favour, by purchasing these
English goods from us, under the new Canadian Preferential
Tariff.

New York Office and Warehouse.

of lemon oil is made exclusively by expressing the rind of the nearly ripe fruit. There are two methods adopted for this purpose. First, the scorzetta, in which the lemons are cut in halves, and then pulped by girls with the aid of a peculiar scoop. An experienced worker, by rapid turns of the spoon, ejects the pulp from the rind at the rate of 24 halves per minute. After the lemons are pulped, the peel is allowed to soak in water from 2-4 hours. This part of the process is of great importance, as, in the soaking, the rind becomes tough and brittle—a characteristic of much importance to

the rind-presser. The halves are then passed on to men who do the pressing. They pick them up, one at a time, with the right hand, and let the half lemon-rind fit the fingers like a cap, gently pressing it against a sponge held in the left hand. The sponge when saturated, is squeezed into an earthen vessel, and the water allowed to separate from the oil. The oil so obtained is filtered, and put into large copper bottles, ready for exportation. The only difference in the other process, viz.: the taglio-in-tre, is that the lemon is cut into three longitudinal pieces in such a way that there is practically no

acid pulp left in the rind. The process of expression is the same as in the Scorzetta process. Of recent years a machine has been introduced into some factories, but the general opinion is that the hand-pressed oil is cheaper and better in all respects, and for this reason several firms who had introduced machines into their factories are stated to be now abandoning them for manual labor. This machine must not be confused with the Bergamot one, which is practically a grinding mill for taking off the outside rind and so breaking the oil vesicles, but is one which carries out the Scorzetta pro-

Maclure Limited

(LATE MACLURE BROS.,)

American Colonial and Continental Import
and Export Merchants and Brokers,
Are prepared to act as Agents for Canadian Manufacturers.

AGENCIES WANTED FOR CANADIAN PRODUCE.

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

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

REG. OFFICE:

60 Victoria Street, LIVERPOOL, ENG.

LONDON OFFICE:

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

ESTABLISHED 1870.

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

PEPPER

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

GRINDERS.

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

Special Prices to Canadians under the New Tariff

cess, and requires only two girls to work it. It is possible that in some of our colonies, where the expense of male labor might be a drawback to the profitable manufacture of this oil, such a machine would solve the difficulty, although in Sicily, where men's labor is so cheap, the use of the machine offers no advantage.

As regards the yield of oil, 110 kilos, or, say, about 1,000 lemons, will yield from 14—16 ounces. A man working by the Scorzetta process will cut 12,000 lemons a day, and his companion will press 3,000, and for this work they will each get 2½ liras per diem, equal in our money to 1s 10d.

TOWARD THE CITY.

It must be presumed that the young man reared on the farm comes to the city because he desires to be something—which, in the country is thought

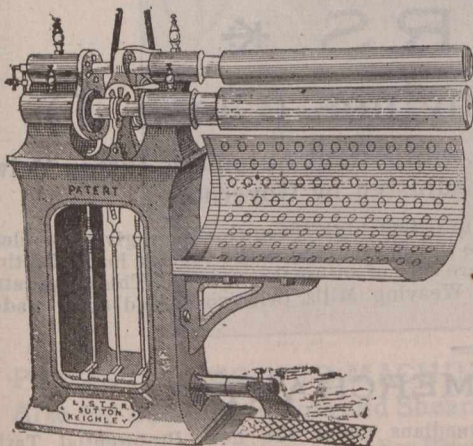
better than a farmer. He wants to throw off his overalls and wear a boiled shirt and linen collar seven days per week, and for about 16 hours per day. Who can blame him? What can it be called but ambition? And if he did not possess ambition he would be of little use either in the country or city. With scarcely an exception, says a contemporary, the movement of population toward the cities is deplored for ethical and economic reasons. As the movement has been going on for a century in this country, and as it is proceeding in every civilized country, the evil effects ought to be apparent, and they are, in the opinion of some of the philosophers who comment upon it, but whose capacity for making fair and thorough comparisons between present and former social conditions is limited.

The ethical objections are the more plausible, for there is certainly more

crime in the cities than in an equal population in the rural districts. But most of the ethical objections rest upon exaggerated conceptions of the average moral tone in the rural districts. Vice is not exclusively an urban product; it is found wherever humanity is found, and it is more common in the rural regions than is supposed by superficial observers, or persons whose impressions are obtained by reading the poetry of nature. The extremes of virtue and vice, of intelligence and ignorance, of felicity and wretchedness, are found where population is the densest. But the average moral level of the country is not so far above that of the city as is conventionally supposed.

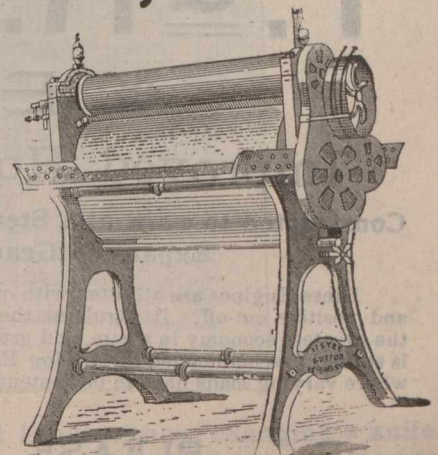
The economic objections will not bear any examination at all, though extreme destitution is more wretched in a great city than in a rural community. That the rural population is

High Class Modern LAUNDRY MACHINERY, Hand or Steam Power.



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

James Lister & Co.,
LAUNDRY ENGINEERS,
Lister Hill Works,
SUTTON,
Near Keighley, ENG.

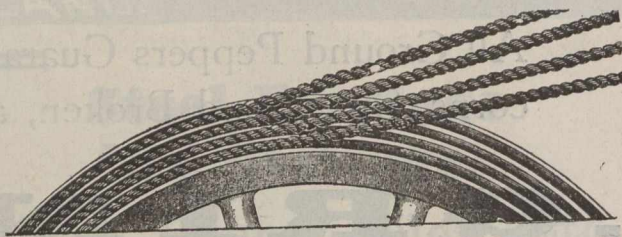


COLLAR AND CUFF IRONING OR POLISHING MACHINE. Made in sizes 12 to 30 inch rolls

HANSON, SCOTT & CO., Ltd.,

STOCKPORT, ENGLAND.

Cotton Driving Ropes.



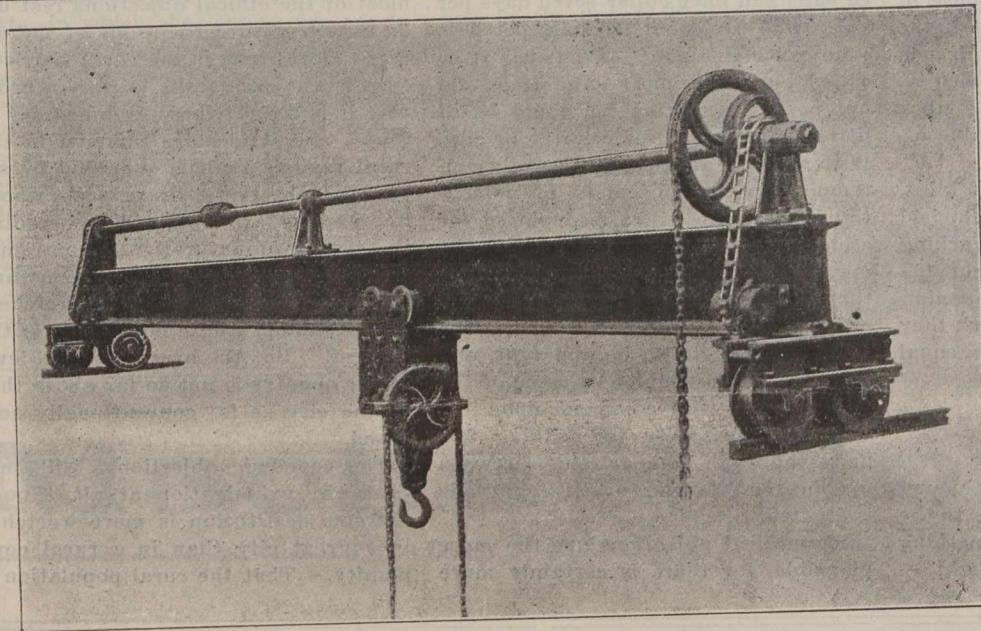
driven to the city by the hardships of life is absurdly untrue. The farm laborers of England are in a better condition than they were at the beginning of the nineteenth century, and the same is true, in varying degrees, of the peasantry of Europe generally. The U.S. and Canadian farmer lives much better than his great-grandfather did, and his children are better educated and accustomed to a higher standard of living than his parents were.

The rural population has been drawn

to the cities to better its condition, although that has been improving at home. The productivity of human labor has been multiplied by the use of machinery very much more in towns than on the farm, hence the compensation of labor has increased in the cities faster than in the country. With the aggregation of population and the influence of man on man, together with the better school facilities afforded by the towns, the intellectual life has been much more stimulated than in the

country. Vice multiplies in the city, but so does virtue, and the graces of human character flower more abundantly in the atmosphere of the city than among all the charms of nature.

It is a cheap business to arraign the evils of city life and to denounce the unquestionable wrongs of the present social and economic systems. But a fair and comprehensive comparison between urban and rural life, and between the present and the past, will leave no doubt on any mind of the



Lifting Tackle

FOR

..ALL PURPOSES..

**Cranes.
Crabs.**

**SHEAVE BLOCKS.
PULLEY BLOCKS.**

The Steel Rope
Pulley-Block Co.
LIMITED,

Washford Road,
SHEFFIELD, Eng.

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

✧ ENGINEERS ✧

Improved Horizontal Steam Engines (Class J.)

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

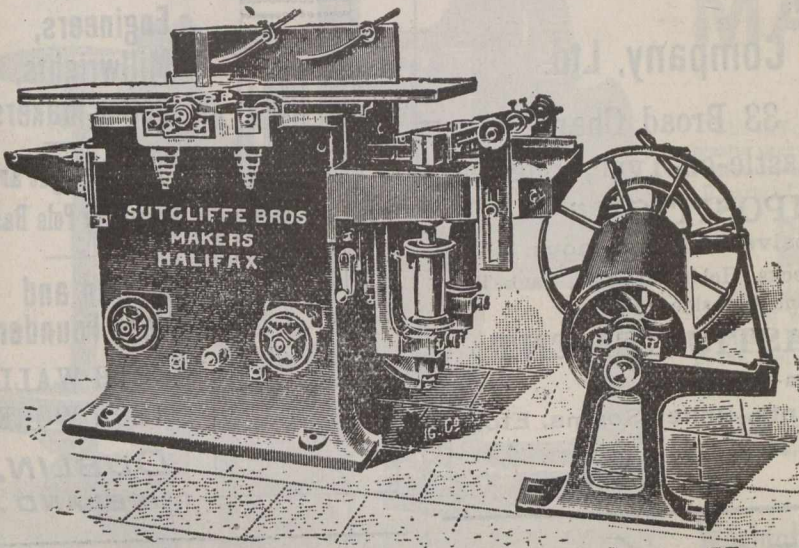
These Engines are all fitted with our patent automatic Cut-off under control of our patent high-speed Governor, giving a clear and positive cut-off. It regulates the Valve with great precision, and supplies the steam according to the varying load, effecting the greatest economy in steam, and great uniformity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

PLEASE INDENT THROUGH MERCHANTS.

Telegrams: "LEES, HOLLINWOOD."

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

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



Combined 8-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.

great improvement in the condition of the greater part of the population coincidentally with the movement of population towards the cities, and a care-

ful study of the conditions to which the improvement is due will indicate that this movement of population towards the cities is one of the most

conspicuous causes of the improvement or, at least, that it is itself the immediate result of the causes of that improvement. The savage is isolated,

ESTABLISHED 1851.

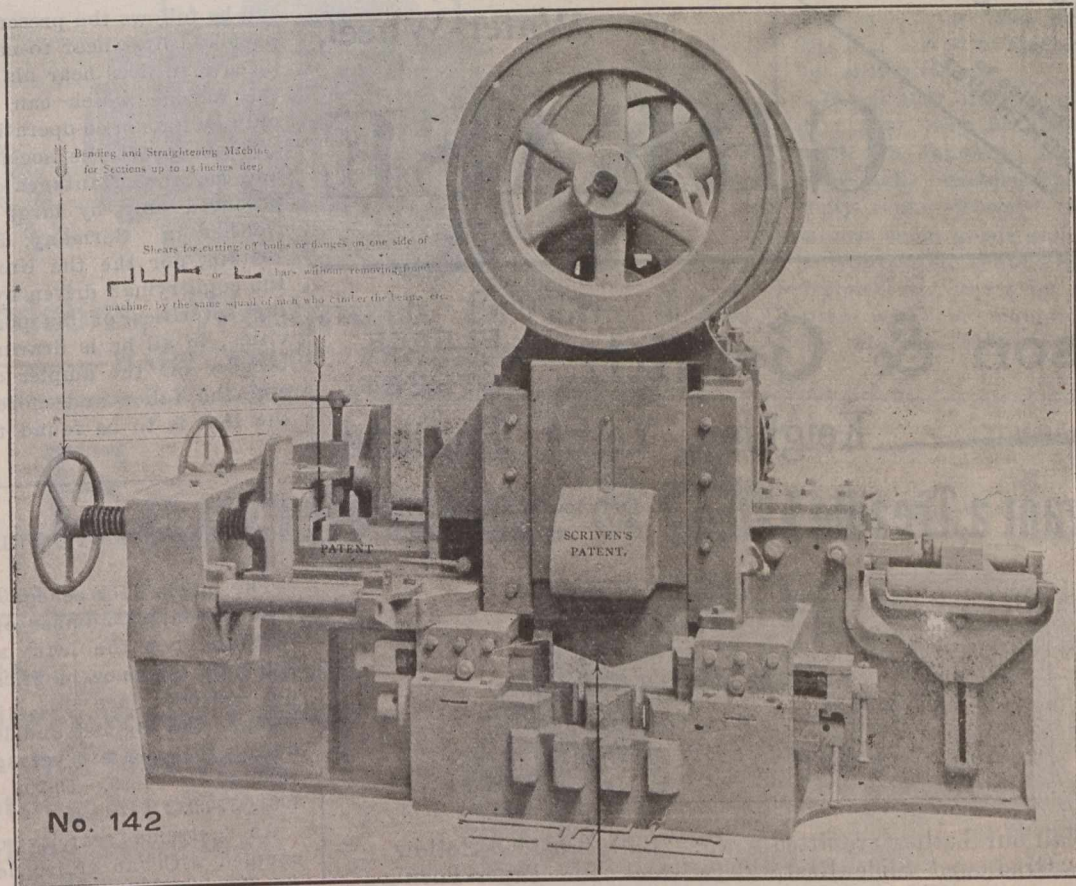
Tel. Address: "SCRIVEN, LEEDS."

SCRIVEN & Co.,

LEEDS. ENG.

Machine Tools and Hydraulic Machinery,

For **ENGINEERS, SHIPBUILDERS, BOILER MAKERS and BRIDGE BUILDERS**



No. 142

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

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

ODIC COMPOSITIONS

MANUFACTURERS:

Odic Plastic Composition Company, Ltd.

33 Broad Chare,

Newcastle-on-Tyne, England.

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



"ODIC COMPOSITION"

Non-Explosive, Non-Poisonous.

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

"ODIC" PLASTIC CEMENT

Non-Poisonous.

For Steam Joints, Boiler Seams, Etc.

AGENTS WANTED IN CANADA.

OIL Lubricating Burning

In Casks, Barrels
or Drums.

Specially Prepared
for Export.

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

Cables to
"LIGHTHOUSE."

Cog,

Locomotive,

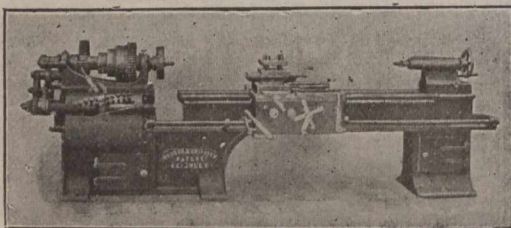
Antifriction,

Water=Wheel,

GREASE

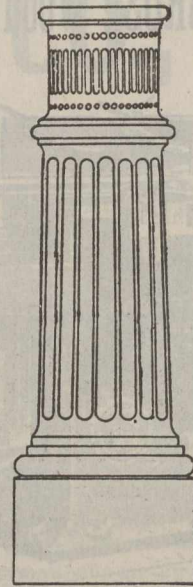
Hudson & Griffith, FLEECE STREET,
Keighley, Yorks, England.

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



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

Special Terms to Canadians under the New Tariff.



ROSS & WALPOLE

Limited.

Engineers,
Millwrights,
Boiler-Makers.

Electric Light and
Tramway Pole Bases.

Iron and
Brass Founders,

NORTH WALL
IRON WORKS,

DUBLIN,
IRELAND.

MANTELS,
TILES,
MOSAICS,

TRANSOM
and PAVEMENT
PRISMS.

WEBSTER BROS. & PARKES,

228 ST. JAMES ST.,

MONTREAL, Que.

and he follows the prescriptions of the poet and lives near to nature; the civilized man lives near his fellows, upon the income which can be produced only by human co-operation, and in the enjoyment of the social, intellectual and moral advantages which can be procured only by large populations. Neither in Germany, France, Great Britain, nor the the United States is the countryman driven by the increasing severities of his position to the cities; in all he is drawn to the cities because of the ampler compensation and the fuller and more progressive life that is to be found there.

SENEGAL ROOT DURING 1901.

The market for senegal root during 1901 presents a number of interesting features, not the least among them being the advance in price to a point not touched since 1892. The following are the highest and lowest prices during the past five years: 1897, 29-22; 1898, 26-21; 1899, 50-20; 1900, 48-28; 1901, 57-30.

An extreme scarcity of supplies, coupled with an active demand, both for home consumption and for export, caused the advance, in October, to fifty-seven cents, the record price of the year. The lack of supplies was not due to a scarcity of the root, but

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.

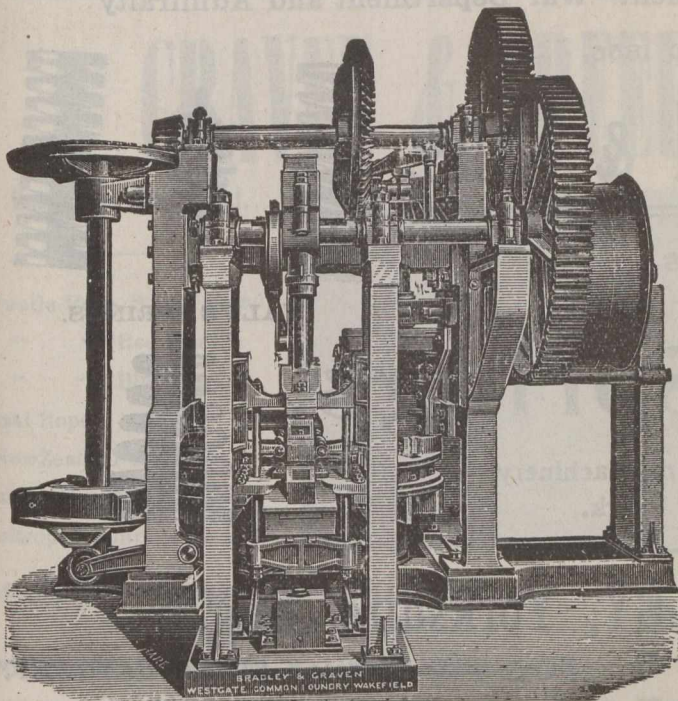
Double the Strength of any other Machines in the Market.

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.



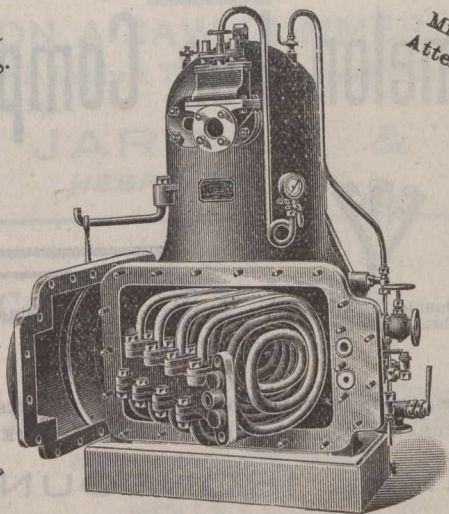
Craven's Patent Brick Moulding and Dressing Machines.

Morison's Radial Evaporator

Fitted in upwards of 2,000 STEAMSHIPS.

Minimum of Labour and Attention required at sea.

General Handiness and Facilities for cleaning UNSURPASSED.



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

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

to the fact that little or none was dug by the Indians in the West, and that the white men who usually gather the root, were employed in the harvest fields, where, on account of the heavy wheat crop, laborers were at a premium, and could earn more as harvest hands than they could digging root. For this reason Western dealers were offering Canadian shippers up to forty-seven cents a pound for Manitoba root and obtaining very little even at these high prices. The amount of root carried over from 1900 was small, and this fact served to strengthen the market still further.

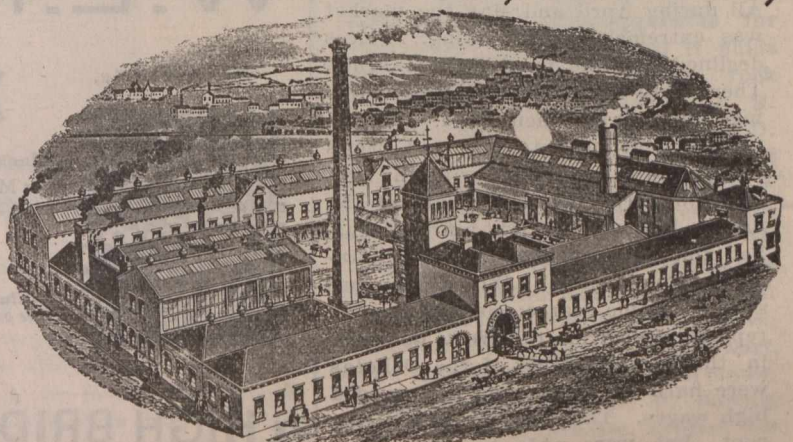
The actions of the market during the past year may be summarized as follows: In January, the market was very dull, eastern holders quoting forty cents. Toward the end of the month baled goods sold in the West at thirty-four cents. Spot quotations dropped two cents in February, and there was some manipulation by bearish interests. Subsequently conditions

A. Earnshaw & Sons, Ltd.,

MAKERS OF

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

and Milling Machines.

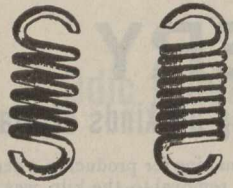


Crown Works,

HALIFAX ENG.

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

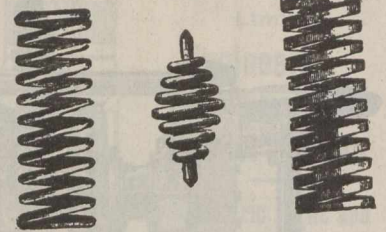
ESTABLISHED 1856.



VALVE SPRINGS.

Joseph Steel & Sons,

MAKERS OF



VALVE SPRINGS.



Spiral Springs,

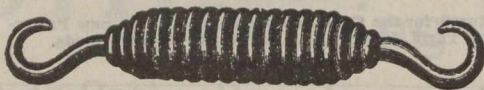


For all Classes of Machinery and Engineering Work.

Harden near BINGLEY, Yorkshire, Eng.

Special terms to Canadians under the new Preferential Tariff

Telegraphic Address, "STEEL, BINGLEY."



Telegraphic Address: "SPIRITS, DUNDEE."

Telegraphic Address:—"CAMELON," FALKIRK.

The Highest Point of Perfection

GEORGE MORTON LTD DUNDEE
SCOTLAND

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

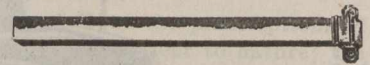
All communications should be addressed to Head Office, Dock St.

strengthened a little, both here and in the West, but the improvement did not last, and during March the market showed great irregularity, with sellers here at thirty-five cents, in spite of reports of small stocks in the West. All during April and May the market was extremely uninteresting. Prices declined in June to thirty-one cents. There were some sales for export during the month mentioned, but the market continued to sag and prices dropped to thirty cents during the first week in July. The latter part of the month, however, brought a firmer market, and dealers advanced their quotations four cents. During August stocks became scarce; conflicting crop reports came from the West. Laborers in the harvest fields of the Dakotas were hard to obtain and commanded high wages. These people usually dug root, but were able to earn more

The Camelon Iron Company, Ltd.,



Single branch pieces. Double branch pieces.



Square Rain-water Pipe.

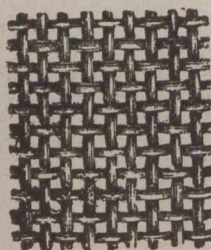
HOT WATER GOODS. RAIN WATER GOODS. GRATES. RANGES. HORTICULTURAL, AGRICULTURAL & BUILDERS' CASTINGS. GAS & WATER PIPES, &c.

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

THE CAMELON CLOSE FIRE KITCHENERS.

W. E. Foggin & Co.,

No. 9 by 9 of 17 g.



WIRE WORKERS AND WEAVERS,

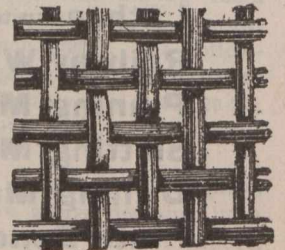
Manufacturers of all kinds of SCREENS for Mining and other purposes . . .

RIDDLES, SIEVES AND GENERAL WIRE WORK.

Illustrated Catalogues and estimates free on application.

ESTABLISHED 1830.

No. 4 by 4 of 11 g.



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

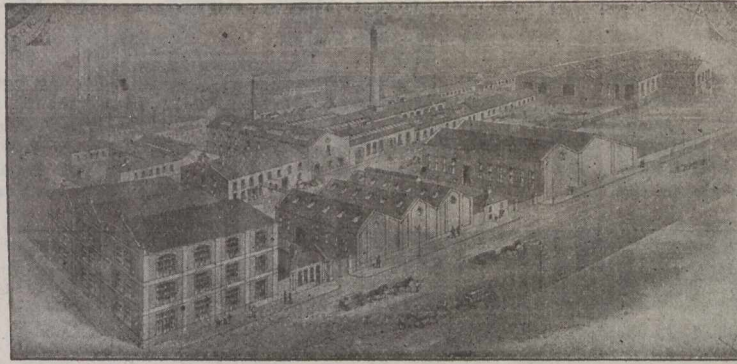
Contractors to the Lords of the Admiralty.

Telegraphic Address: "ROPES, SUNDERLAND."

CRAVEN & SPEEDING BROTHERS,

Hemp Rope Department.

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



Wire Rope Department.

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

FOREIGN AGENCIES: Hamburg, Antwerp.

HEAD OFFICE:

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.

handling the heavy wheat crop, and consequently little root was dug. The high quotation in August was thirty-eight cents. In September the demand became active and quotations were advanced by degrees to forty-five cents,

and then, in one jump to fifty-five cents, with very little root offered even at that price. The West reported great scarcity, and one lot of 1,000 pounds was held by a Western dealer at sixty cents. Much the same conditions pre-

vailed during the early part of October. Rain interfered seriously with what digging was being done in the West, and dealers in St. Paul and Minneapolis were offering high prices to Canadian shippers. Good sales were made east and prices advanced to fifty-seven cents. Toward the end of the month the demand eased off a little, but no change occurred in quotations until November, when a decline of two cents took place. Before the end of the month a further decline of one cent was announced. In December the market was dull; there was little or no demand, and only the scarcity of supplies kept prices up. Dealers shaded quotations, however, and before the end of the year Manitoba root declined to fifty-one cents and Minnesota to fifty-one cents. These prices were current at the close of the year.

PATENT REPORT.

The following complete weekly list of patents granted to Canadians has been furnished us by Messrs. Fetherstonhaugh & Co., Canada Life Building. Canadian: J. St. Leger, McGinn, gas apparatus; E. A. LeSueur, process and apparatus for separating fluids rich in oxygen from air; E. A. LeSueur, processes and apparatus for treating air to obtain from it fluids rich in oxygen; O. N. Evans, rock drills; J. White, bolt machine; J. R. Masecar, and T. Revington and D. Brown, feeding mechanism for presses for soap or other plastic material; J. R. Masecar and D. Brown, presses for soap or other plastic material; W. Thompson, solderless side seams for tin cans and other metallic vessels; S. Ern, fog carriage for off sets for saws; D. A. Stewart and J. F. Stewart, straw cutters; D. McLeod, wheel plows; E. H. Thomas, brushes; P. Bureau, saw mills; J. Frechette, holders for spittoons and the like; J. Tuefle, ad-

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

London Office:
5 VICTORIA STREET WESTMINSTER.

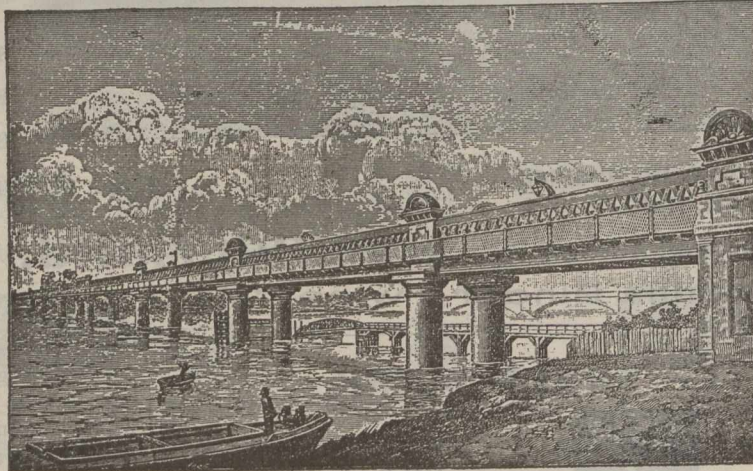
HEAD. WRIGHTSON & COMPANY.

(LIMITED)

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

Patentees and
Makers of

Moore's
Patent
Pulley
Block.



PUTNEY BRIDGE, OVER THE RIVER THAMES, LONDON.

Patentees and
Makers of

'The
Teesdale'
Patent
Pulley
Block.

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

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

MANUFACTURERS OF

Blast Furnace Iron & Steel Works Plants

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

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

INGOT MOULDS.

justable cases for making cheeses; F. H. Sleeper, engines; H. T. Arnold and W. Arnold, cores for gloves and mittens; J. D. Caldwell, shingle edging machines; C. T. Melvin, devices for securing corks; J. Kneen, window sash hangers; A. E. Gives, vegetable loaders; E. F. Comber, lock bolts; A. Chanal, mowing cutters; V. L. Emerson, temporary binders; V. G. Clements, saw oilers; T. Waggoner, automatic locking extension ladders; J. J. Kirk, railway rail joints; J. E. Lea, means for automatically operating the doors of locomotives; T. Mousseau, combined rubber and cotton horse shoes; E. W. Smith, telephone cabinets; T. G. Wilson, bandoleer martingales. — American: L. A. Desy, machine for unravelling knit goods; J. Flesher, door for grain cars; J. S. Hughes, wood pulp press; J. S. Hughes, forming

wood pulp into sheets; W. L. Lambkin, newspaper file; G. A. Smith, lamp burner.

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: Last, J. C. Iredale; combined baby carriage and sleigh, D. McKenzie; handle, The Eclipse Office Furniture Co. of Ottawa, Limited; railroad turn table, P. Johnson; combination puzzle lock, A. D. Fisher; float stringer, W. T. Jones. Canadian: Instantaneous inflating devices for collapsible life belts, H. Prevost; riffles or gold separators, B. Westhaver; portable beds, W. J. Curry; means for securing buttons, hooks and eyes, etc., W. M. Holinghead, et al; grain harvester and threshers, W. Maloney et al; electric light adjusters,

J. A. Leggett; train order signals, H. L. Piper; water elevator, H. Sparrow, et al; interchangeable gears for automobiles, 74,634.

CHEMICALS.

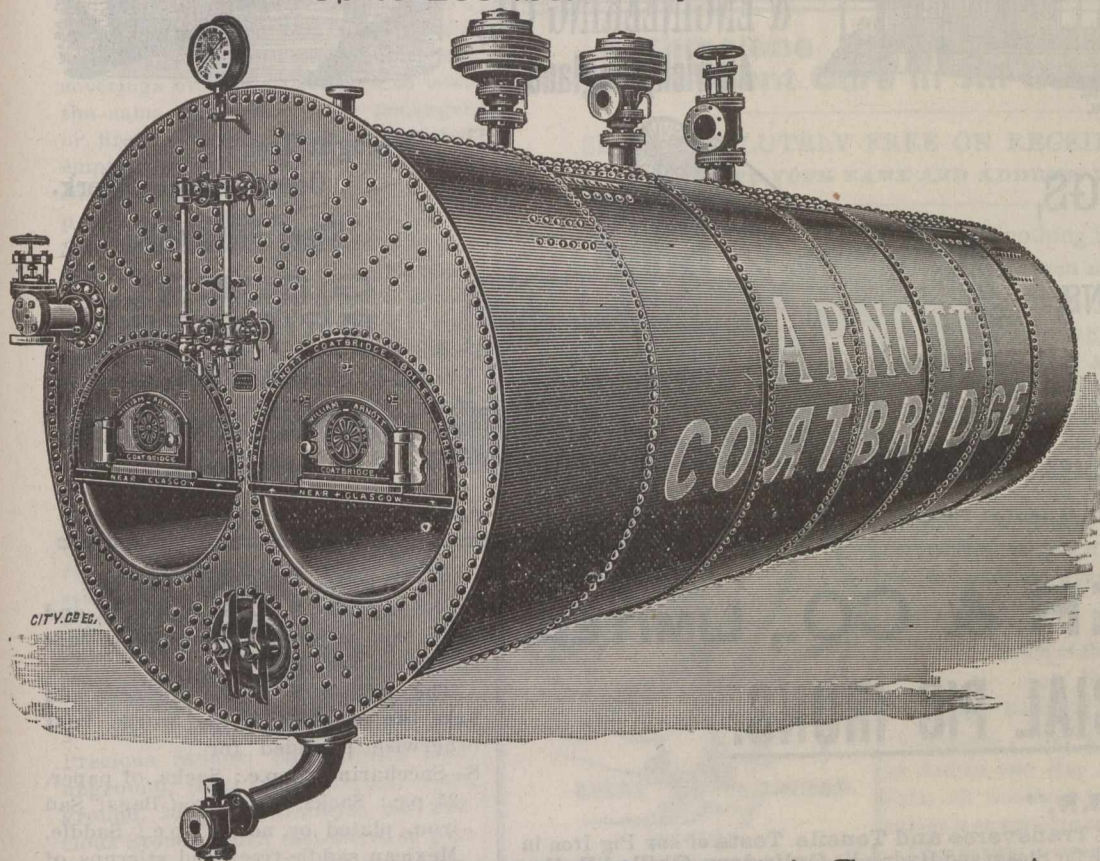
A private Manchester, Eng., circular date 29th ult., reviewing the chemical situation, says: — The New Year has opened quietly, the demand in the home trade and for shipment abroad being only moderate. Still it is thought that the worst of the depression has been seen; many articles have had a severe fall and have become steadier, and there is in many quarters a growing feeling that the outlook is brighter. At present, however, in the alkali branch there is only a moderate

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
COATBRIDGE, near GLASGOW, Scotland. Boiler Works,

business doing. Bleaching powder is moving slowly at easier prices. Caustic soda also is easier and is quiet. Ammonia soda is unchanged. Chlorates of potash and soda are steady, but have not much enquiry. During last year, as compared with 1900, the exports of alkali show an increase of 3,120 tons, or £5,474, but the exports of bleaching materials show a decrease of 12,019 tons, or £28,819. In tar products the business doing is not of large dimensions. Benzoles show some slackening of demand, and values are a shade easier. Solvent naphtha is steady but consumers have their wants well covered, and there is little enquiry. Crude carbolic acid is steady, and the continued fall in crystals seems to have been arrested. Creosote is in plentiful supply, and consumers will only purchase at low figures. Pitch is firm for early shipment; for next season there are few buyers and they require tempting. Sulphate of ammonia is in good demand for prompt and also for spring shipment, and higher prices are being paid. Carbonate of ammonia continues very firm, makers being well sold ahead, and muriate of ammonia has a fair enquiry. Acetates of lime are selling rather better. Acetate of soda has more demand for early delivery only. Acetates of lead, brown and white, are lower in price. Litharge also is cheaper, and nitrate of lead is easier though in fair demand. Green copperas is in short supply, and is very firm. Sulphate of copper, after a recent spurt, has again

given way, and is dull, and there is much expectation of a further decline; in December last the exports were only

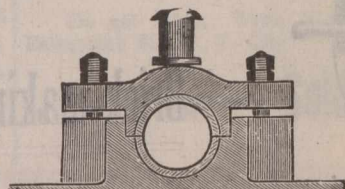
603 tons as against 2,443 tons in December, 1900. Carbonate and caustic potash are easier, and consumers con-

Patent Mica Grease

SAVES 80 TO 90 PER CENT.
OVER COST OF OIL

Used on all kinds of Machinery and specially adapted for India and hot climates.

TRADE MARK.
PATENT MICA GREASE



PATENT MICA PACKING
REGISTERED.

Patent Mica-Gotton Packing.
Patent Mica-Asbestos Packing.
Patent Mica-Flax Packing.
Patent Mica-India-Rubber Packing.

Will stand any degree of Heat and are Self-Lubricating. The advantages of these Packings over ordinary Packings are: They do not harden in the Glands. They are more durable. They do not Score the Rods, but put a Mica Surface on them similar in appearance to Electro Plate. They are 25 per cent. lighter than ordinary Packings. All kinds of other Packings, I. R. Valves, &c., in stock and made to order.

"MICA" BELTING SYRUP.

The Harbinger Patent Elastic Metallic Packing

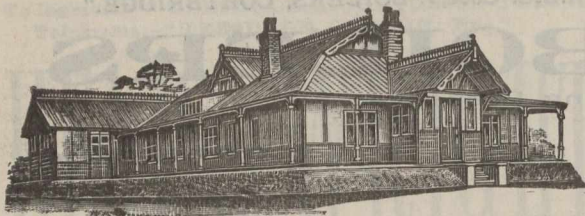
Is Absolutely the Best and Cheapest.

Sole Proprietors and Manufacturers

The Mica Lubricating Company,

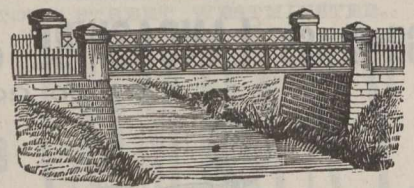
(Registered.)

63 King Street, SOUTH SHIELDS, England,



BUNGAL QW.

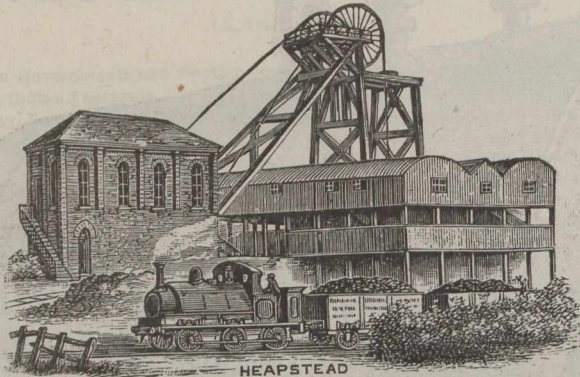
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Alnwick, England,



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Huts, Hay Sheds, Farm Buildings.



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Wrought Iron
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GIRDER.,
BRIDGES,
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COLUMNS.

Special Prices to Canadians under the New Tariff.

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

Brand "WARNER C.B.R."

Gives the Highest Transverse and Tensile Tests of any Pig Iron in the market. Suitable for Steam and Hydraulic Cylinders, Ohilled 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.

tent themselves with covering immediate wants. Borax is more freely offered at rather lower figures. Bichromates do not recede further; indeed,

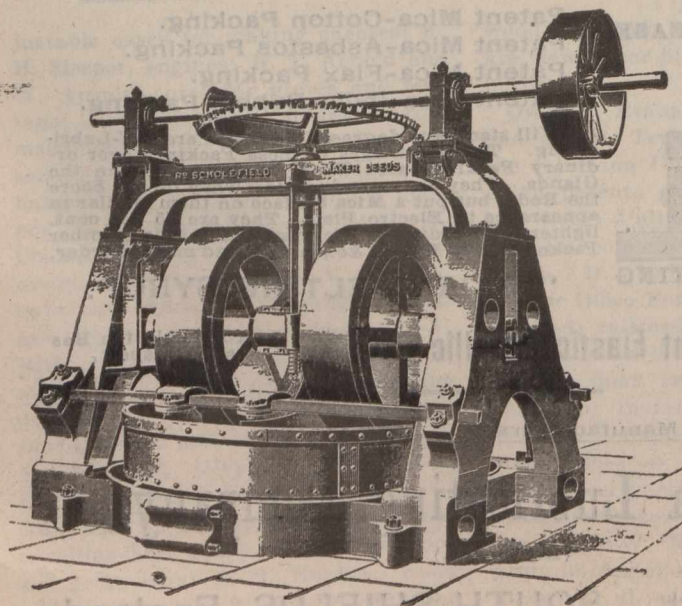
present quotations seem to be unnecessarily low. Prussiates are steady, and are receiving rather more attention.

CANADIAN CUSTOMS TARIFF.

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

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

S—Saccharine, 20 p.c.; Sacks, of paper, 25 p.c.; Sacks, other, see Bags; Sad iron, plated or not, 25 p.c.; Saddle, Mexican saddle-trees and stirrups, of wood, free; Saddlers' hardware, 30 p.c.; Saddlers' soap, liquid, see Soap; Saddlery of every description, 30 p.c.; Safes, iron or steel, and doors for safes, and vaults, 30 p.c.; Saffron cake, free; Safflower, and extract of, free; Saffron, free; Sago, 25 p.c.; Sago flour, 25 p.c.; Saint Louis and Canadian Photographer, publication, 15 cents per lb.; Sails, for boats and ships, 25 p.c.; Sail twine, of hemp or flax, when to be used for boats and ship sails, 5 p.c.; Sal-ammoniac, see Ammonia, free; Salacetol, a chemical, 20 p.c.; Sal-soda, free; Saleratus, or bicarbonate of, 20 p.c.; Salmon, see Fish; Salol, a chemical, 20 p.c.; Salophen, a chemical, 20 p.c.; Samatose, a chemical, 20 p.c.; Salts of quinine, free; Salt, imported from the United Kingdom



8-ft. and 9-ft. Perforated Grinding Pans. (No. 46.)

Established 1868.

Telegraphic Address: "Brick, Leeds."

Brick-making & Grinding Machinery

Manufactured by

Richard Scholefield,

ENGINEER.

Burley Vale Mills

Kirkstall Road, LEEDS, Eng.

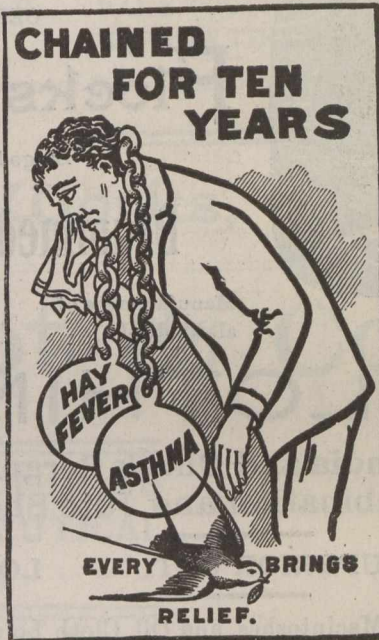
or any British possessions, or imported for the use of the sea or gulf fisheries, free; Salt, fine in bulk, and coarse salt, N.E.S., 5 cents per 100 lbs.; Salt, N.E.S., in bags, barrels, or other packages, the bags, barrels or other packages being the first coverings or inside packages to bear the same duty as if such packages or first coverings were imported empty, 7½ cents per 100 lbs.; Salt cake, see Soda; Salt, cerabas salt, 20 p.c.; Salt, Glauber salt, 20 p.c.; Salt, sulphated, 20 p.c.; Salt, nickel salt, a polish, 25 p.c.; Salts, German potash, see Fertilizers; Salt, celery salt, 25 p.c.; Salts, antimony, see Antimony; Salts, analine salts, free; Saltpetre, free; Salves, see Medicines; Samples of tweeds, coatings dress fabrics, and like manufactures, exceeding one half yard, are dutiable; the same, under ½ yard, being of no commercial value, free; Sand, free; Sandstone, &c., see Stone; Sand (iron) globules for polishing granite, etc., see Iron Sand; Sandpaper, glass, flint and emery paper, 25 p.c.; Sandalwood, see Wood; Sandarac gum, free; Sanctuary lamps, 30 p.c.; Sapolio, a soap, 35 p.c.; Sappato gum, in a crude state, free; Sapphires, see Precious Stones; Sarsaparilla root, unground, free; Sarsaparilla root, ground, 20 p.c.; Sardonyx, see Precious Stones; Sash fasteners, 30 p.c.; Sash lines, twine for, 25 p.c.; Sateens, see Jeans; Satin, silk, see Silk; Satin wood, see Wood; Satin white, free; Satchels, 30 p.c.; Sauces and Catsups, 35 p.c.; Sausage skins, or casings, not cleaned, free; Sausage casings, N.E.S., 20 p.c.; Sausages, see Meats; Sausage coloring, see Colouring; Savaline, a chemical, see Medicine; Savogoam, 20 p.c.; Saw dust, of the following woods: Amaranth, cocoboral, boxwood, cheery, chestnut, walnut, gumwood, mahogany, pitch, pine, rosewood, sandalwood, sycamore, spanish cedar, oak, hickory, white wood, African teak, black heart ebony, lignum vitae, red cedar, redwood, satinwood, white ash, persimmon and dogwood, free; Saw dust, N.E.S., 20 p.c.; Saw mills, see Machinery; Saws and straw cutters, steel for, cut to shape, but not further manufactured, free; Saws, surgical, see Surgical Instruments; Saws, of all kinds, N.E.S., 30 p.c.; Scales, balances, weighing beams, and strength-testing machines, 30 p.c.; Scapulaires, 35 p.c.; Scarfs of wool, same as wool clothing, 35 p.c.; Scarfs of silk, 35 p.c.; Scenery, the-

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 Asthmalene contains no opium, morphine, chloroform or ether.

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.

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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.

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S. RAPHAEL,

67 East 129th st., New York City.

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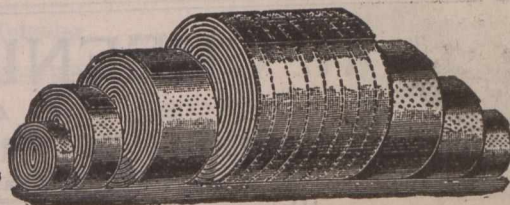
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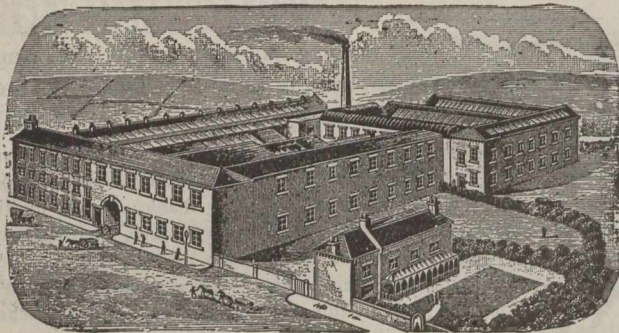
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Large Stocks of all Descriptions of

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

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SUPERIOR CUT.

LOWEST PRICES.

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NONE BUT THE TRADE SUPPLIED.

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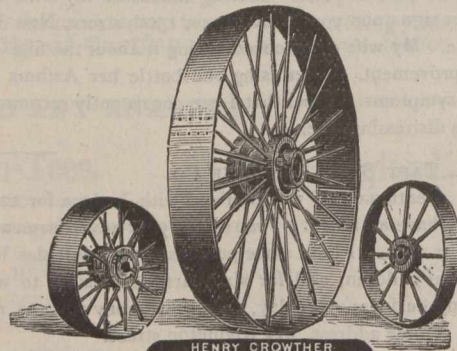
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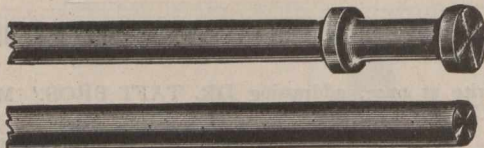
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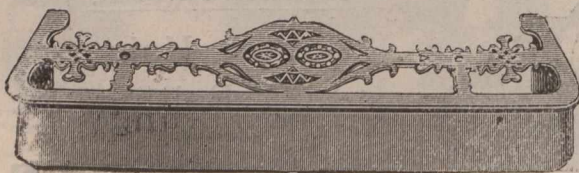


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Special Terms to Canadians under the New Tariff.

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(To be Continued.)

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Keighley, Yorks,
ENGLAND.

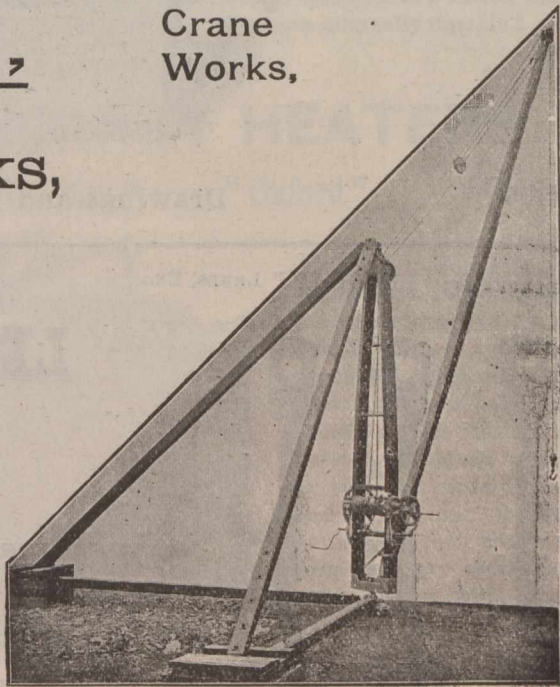
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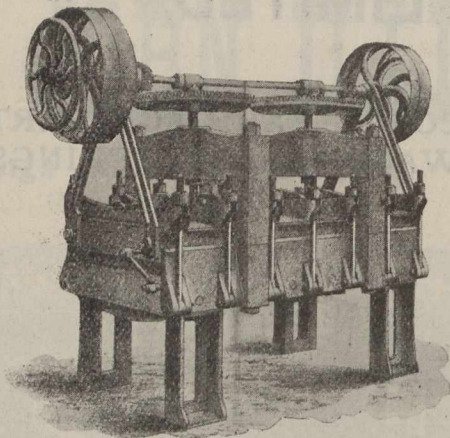


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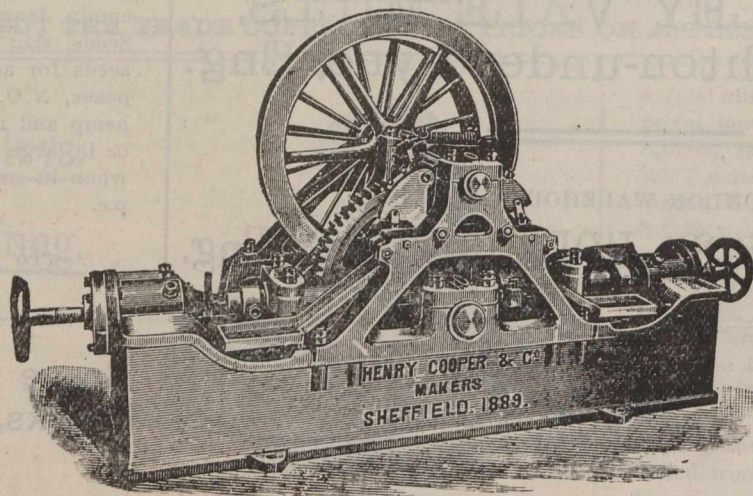
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LEEDHAM & HEATON, Ltd.,

Armley Road Works,

LEEDS, ENGLAND.

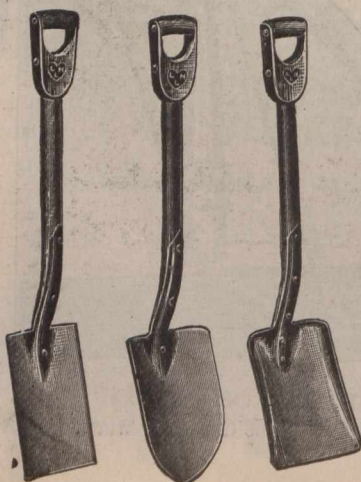
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OF

Spades, Shovels, Hammers,
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GOLD MEDAL AWARDED 1886

WEBSTER'S BLUE-BLACK WRITING INK.

DIAMINE Registered

Sold in bottles, all sizes, and per gallon. Also Coloured Inks, Endorsing Inks, Copying Inks, Stylograph Inks, Ruling Inks, Marking Inks, Stencil Inks.

SPECIALITY—Concentrated Dry Inks in 1 and 2 gallon tins.

LEVANT, GRAIN, AND ALL INKS FOR LEATHER.

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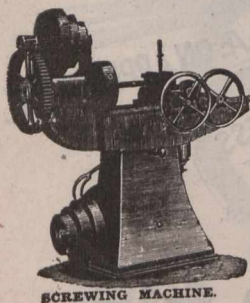
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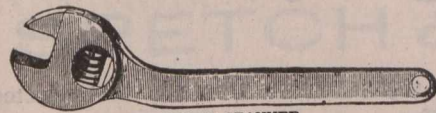
ASHTON-UNDER-LYNE, ENGLAND,

Engineers' and General Tool Makers.

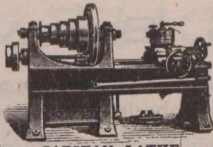
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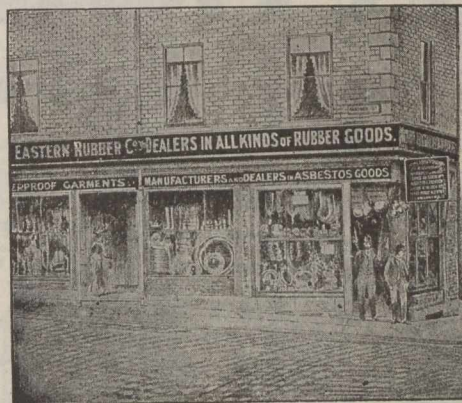
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SCHWAB'S RAZORS, FULL HOLLOW GROUND.



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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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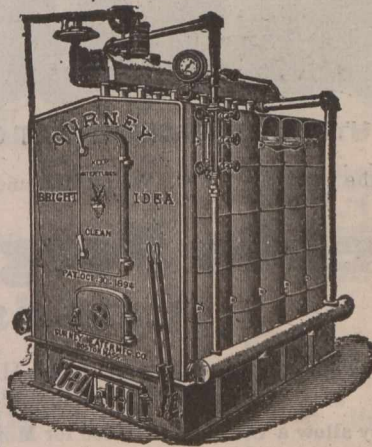
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This is where the long life of

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"Bright Idea" "Oxford" "Doric"



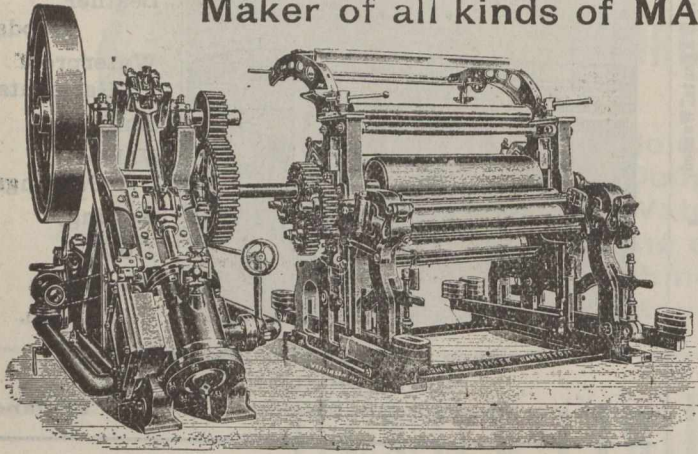
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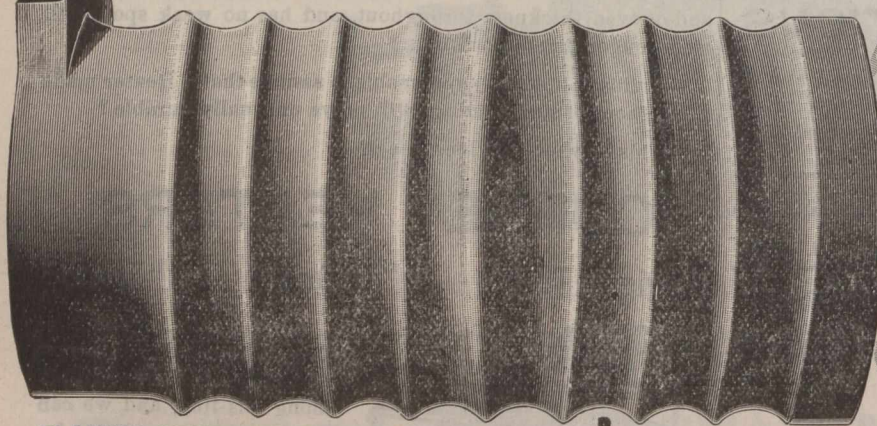
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EASILY SCALED.
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The United States Survey allow a Constant of 15,000 for Morison Suspension Furnaces and only 14,000 for all other corrugated types of furnace.

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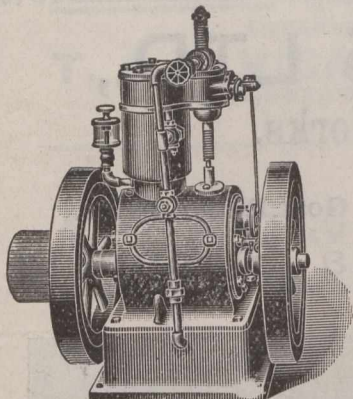
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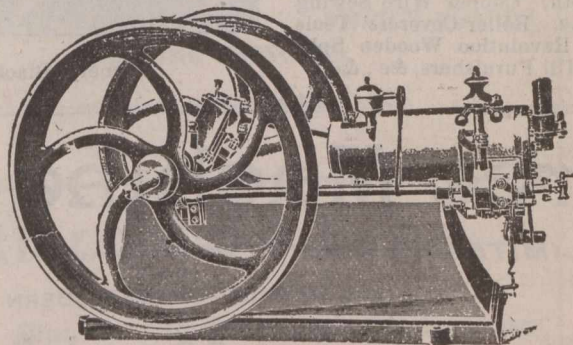
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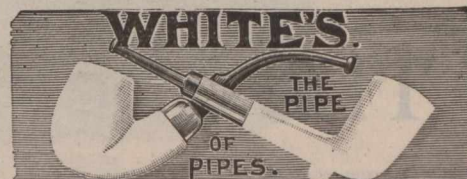
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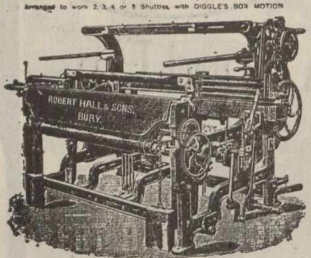
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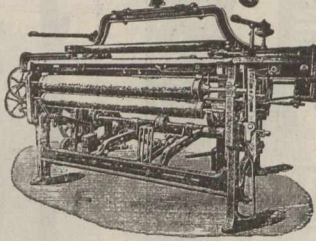
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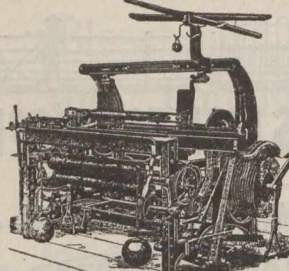
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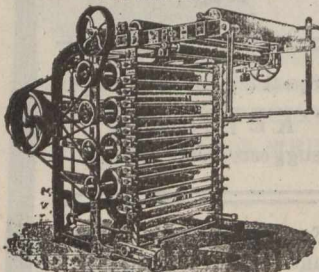


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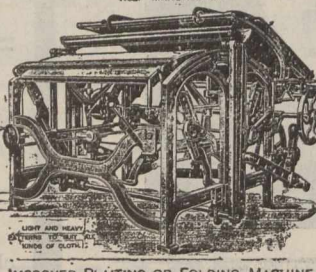
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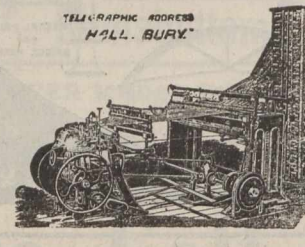
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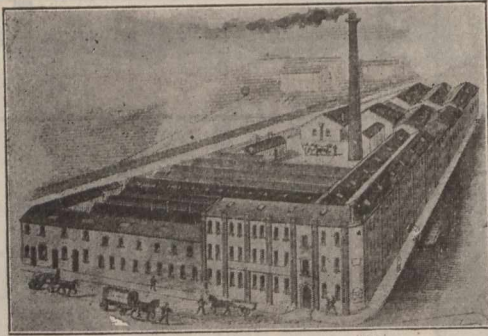
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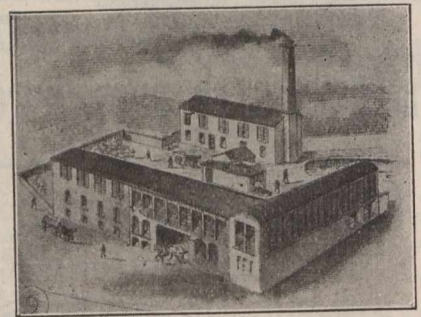
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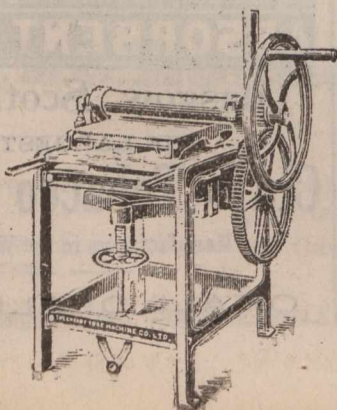
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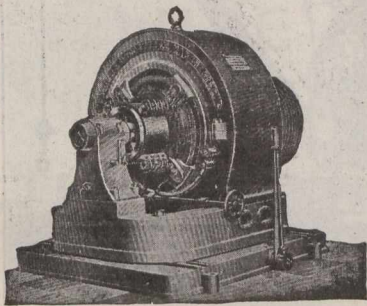
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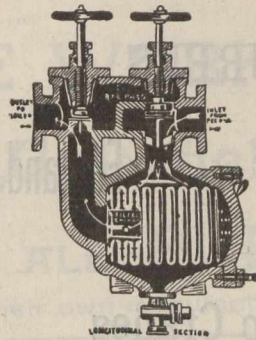
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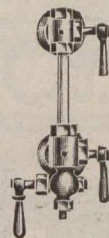
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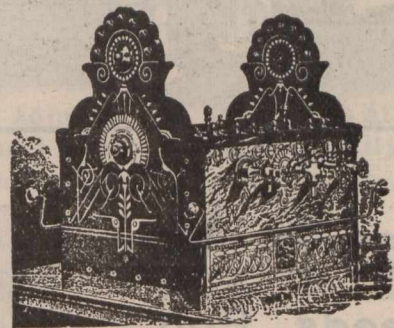


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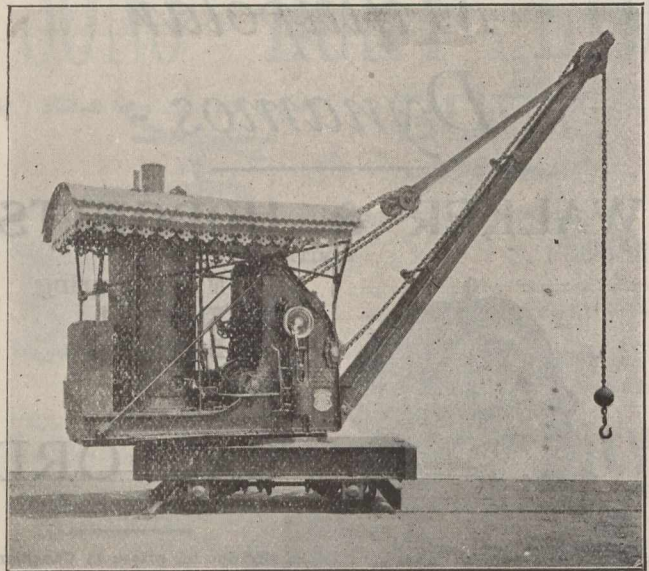
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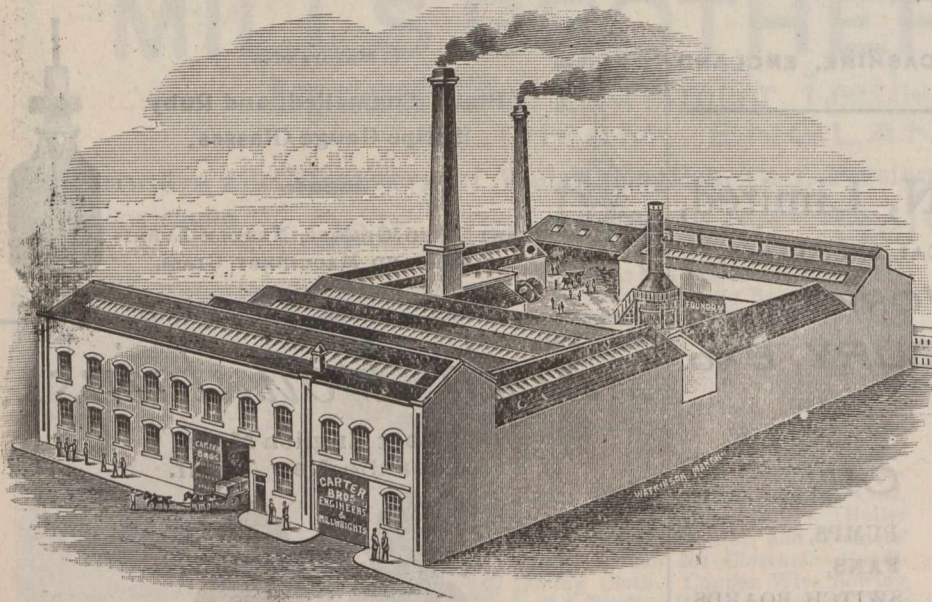
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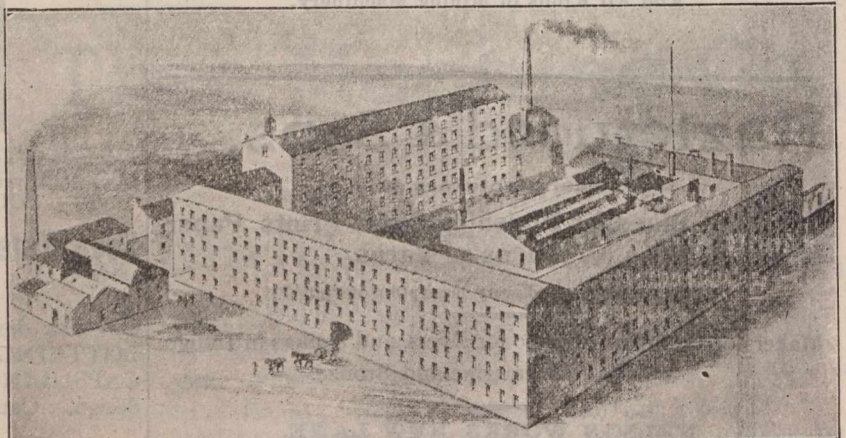
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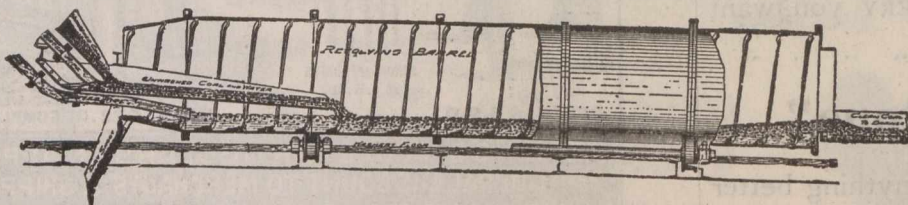
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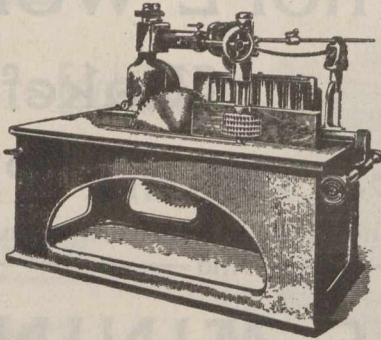
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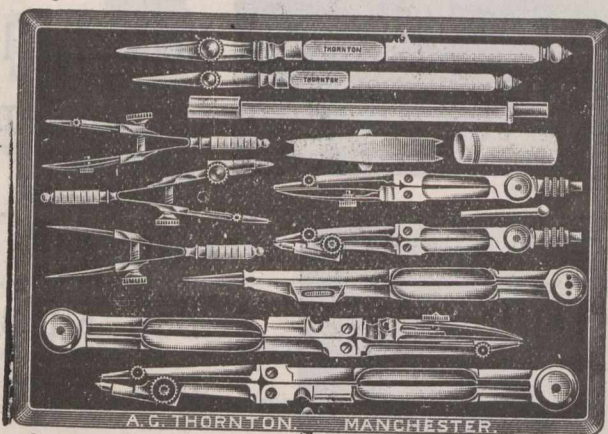
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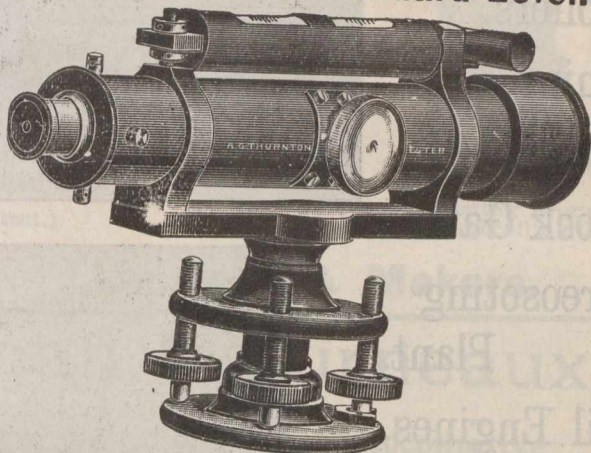
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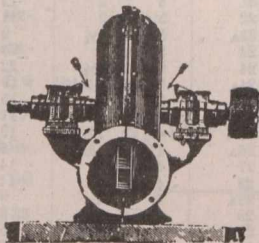
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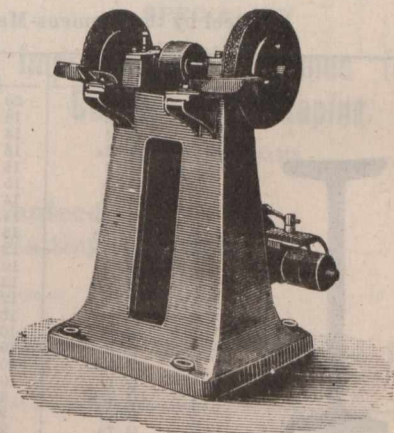
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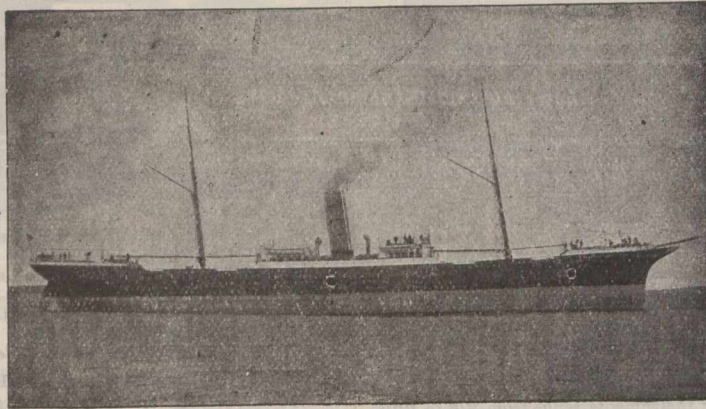
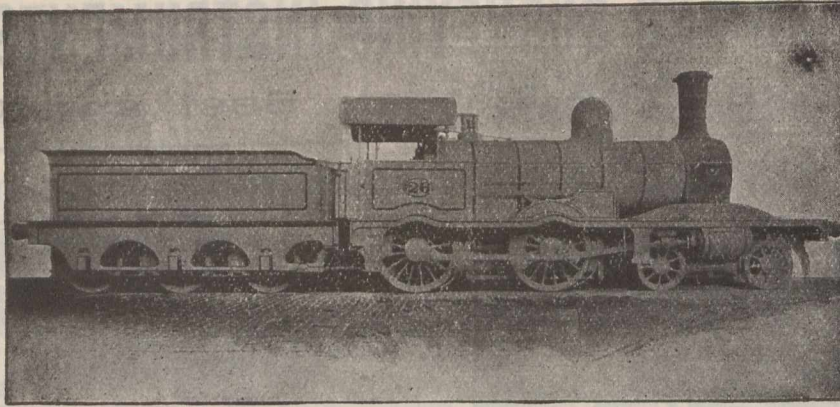
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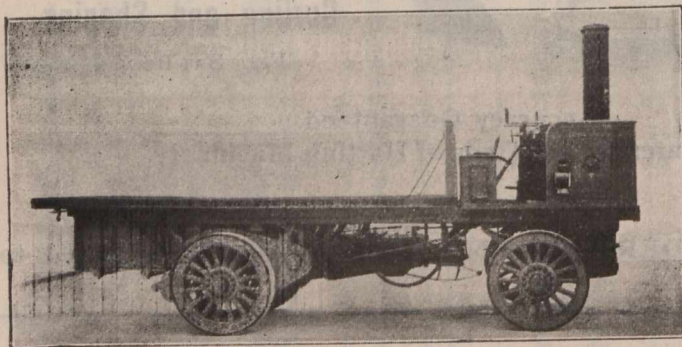
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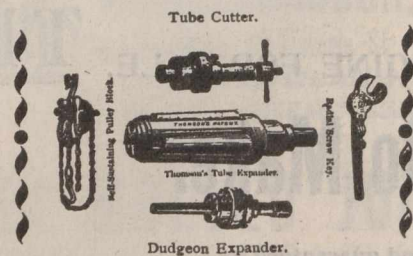
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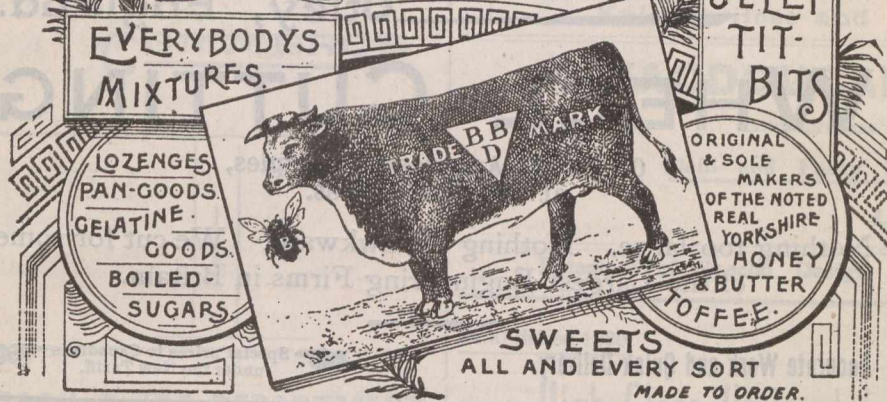
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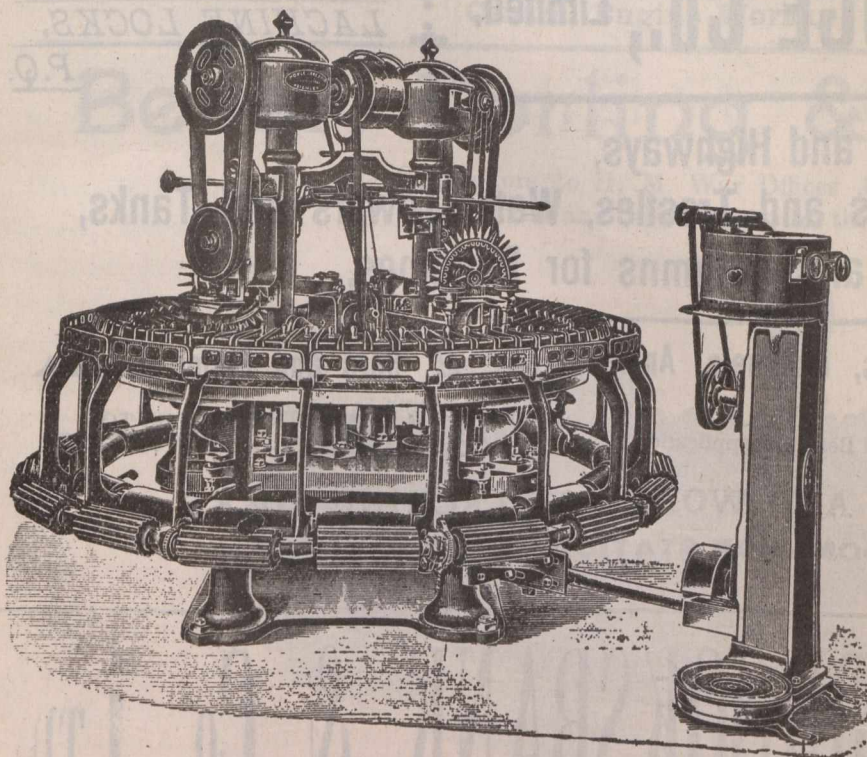
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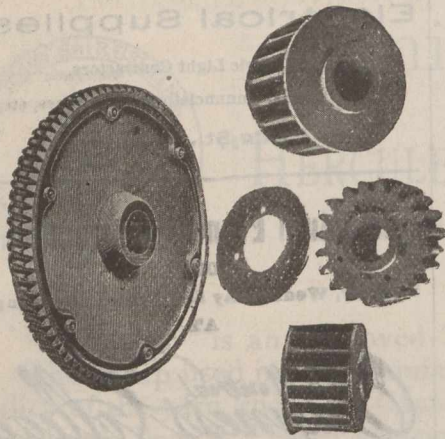
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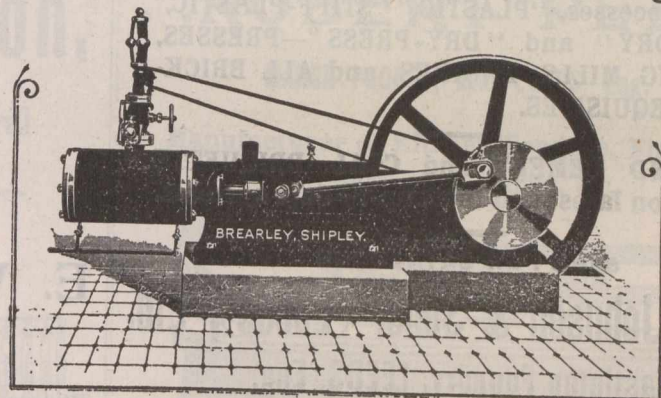
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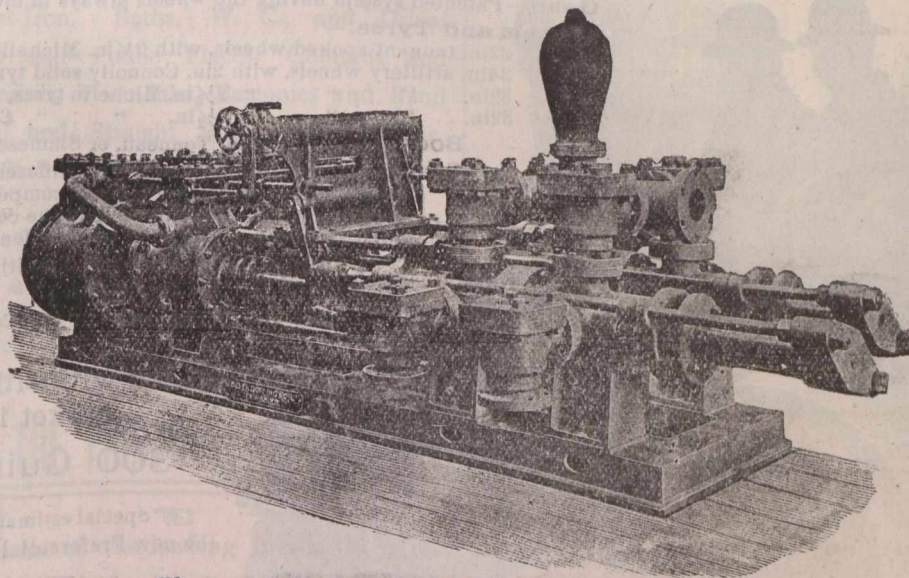
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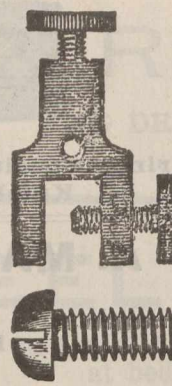
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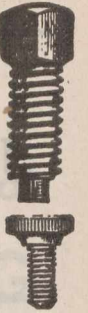
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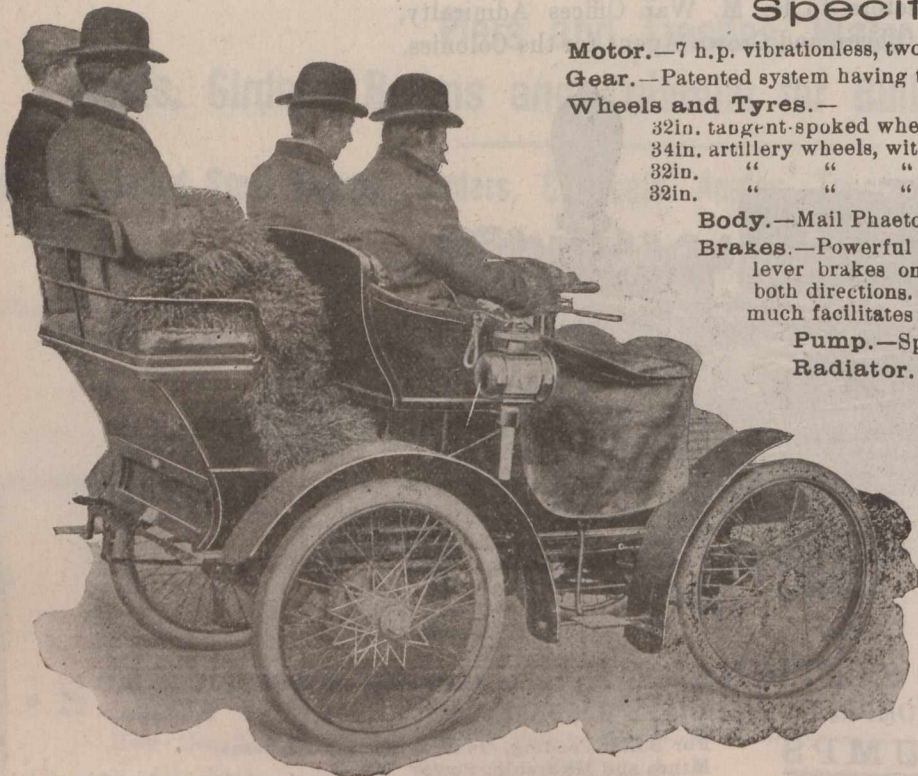
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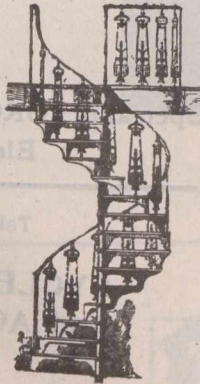
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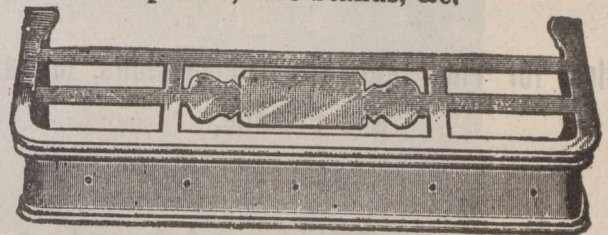
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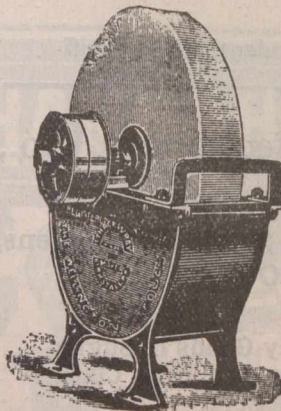
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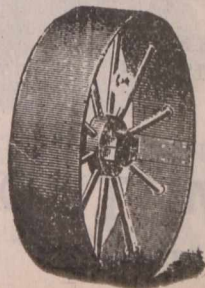


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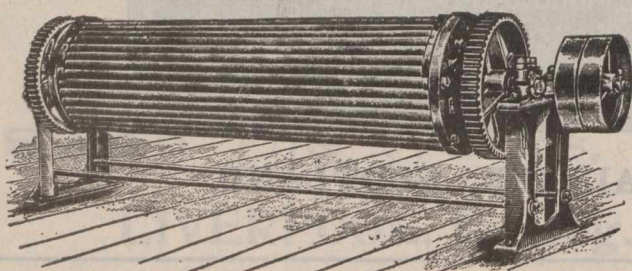
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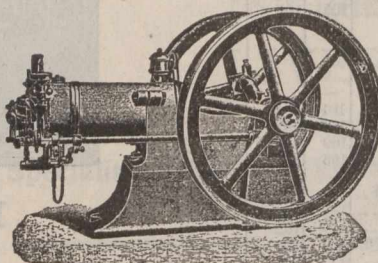
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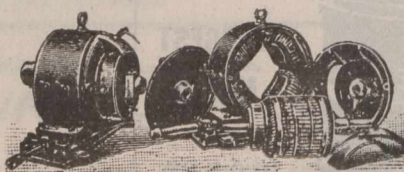
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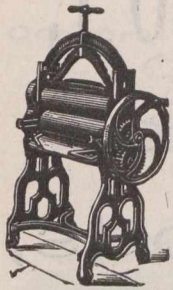
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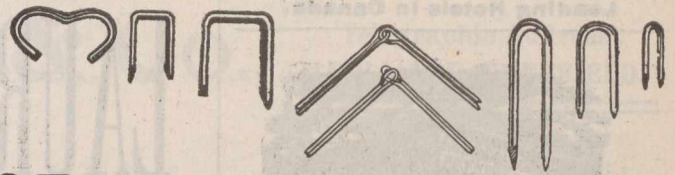
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Box Hinges. Reed Ends. Jacquard Wires (perfectly
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Blankets, Rugs, Horse Clothing, Collar Checks, Saddle
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Combination Night Sheets in all sizes.

Merchants and Shippers only Supplied.

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Admiralty Cable 1/4 inch and upwards.

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PIG IRON for Bessemer, Siemens, Basic and Forge Purposes.
Brand for Pig Iron: THORNABY HEMATITE.

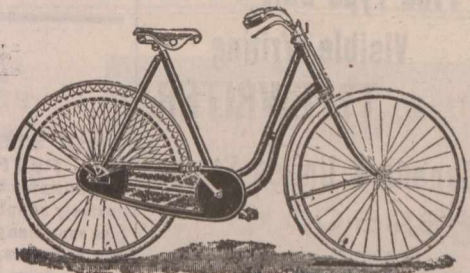
MERCHANT IRON Angles, Tees, Rounds, Squares,
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True Half Rounds; Rails—bridge double and single headed flat
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Moulding Iron Fire and Screen Bars, Tube Strips, Sash Iron,
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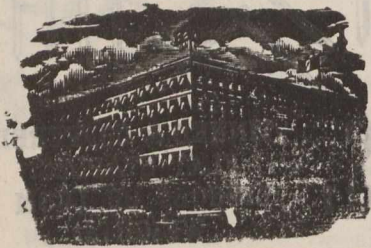
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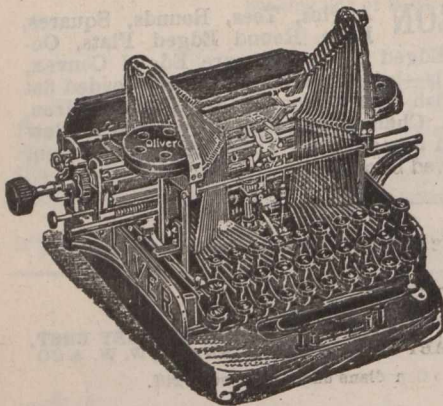
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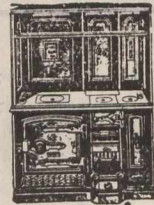
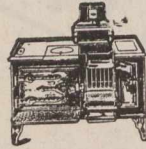
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LUMP SUGAR, in 50 and 100 lb. boxes.

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YELLOW SUGARS of all grades and Standards.

Special Brand, the finest which can be made.

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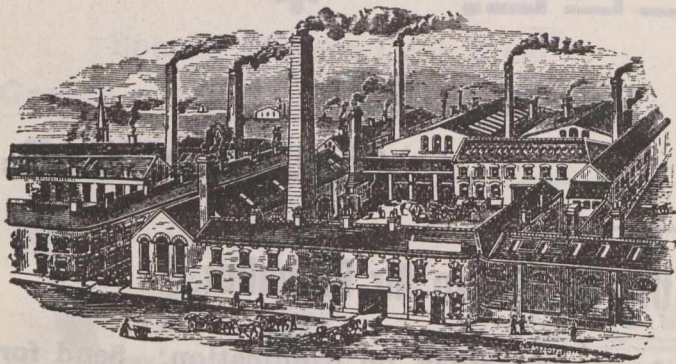


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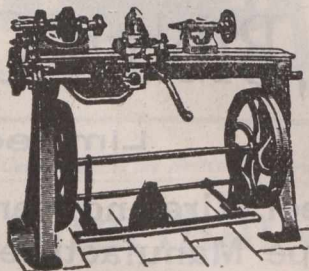
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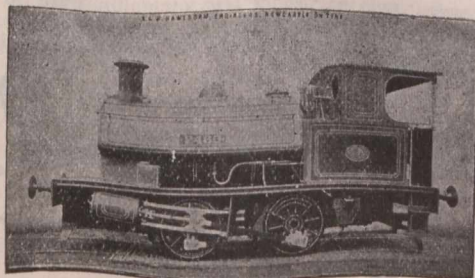
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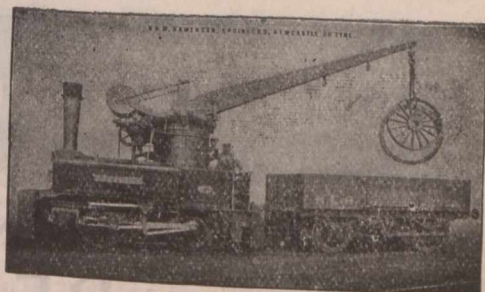


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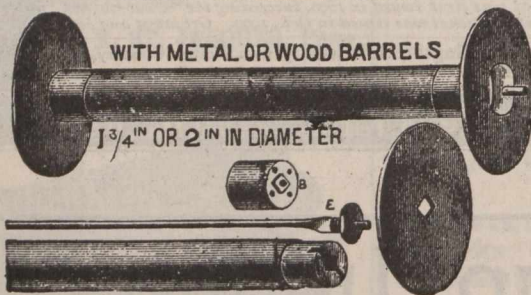
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The Heads of these Bobbins contain a Square Hole in the centre, and are fitted on a Square Projection attached to the end of the Barrel, as shown above; thus the heads cannot turn round or get loose. This is the only means of avoiding the frequent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

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STEEL CONVERTERS and REFINERS
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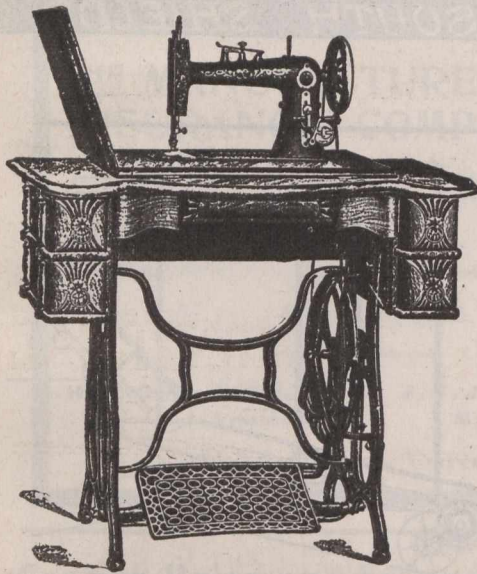
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SOUTH SHORE Rd.
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Telegraphic Address : "CHARLTON HAWKS, GATESHEAD."

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

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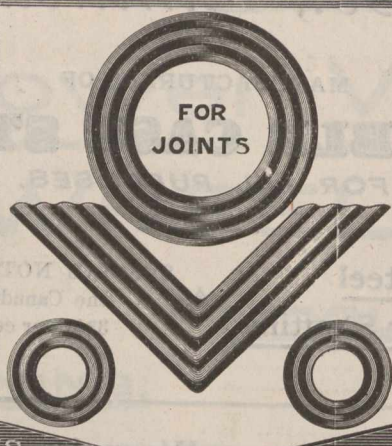
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SOLE MAKERS NEWTON

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SOME ADVANTAGES OF THIS PACKING ARE :
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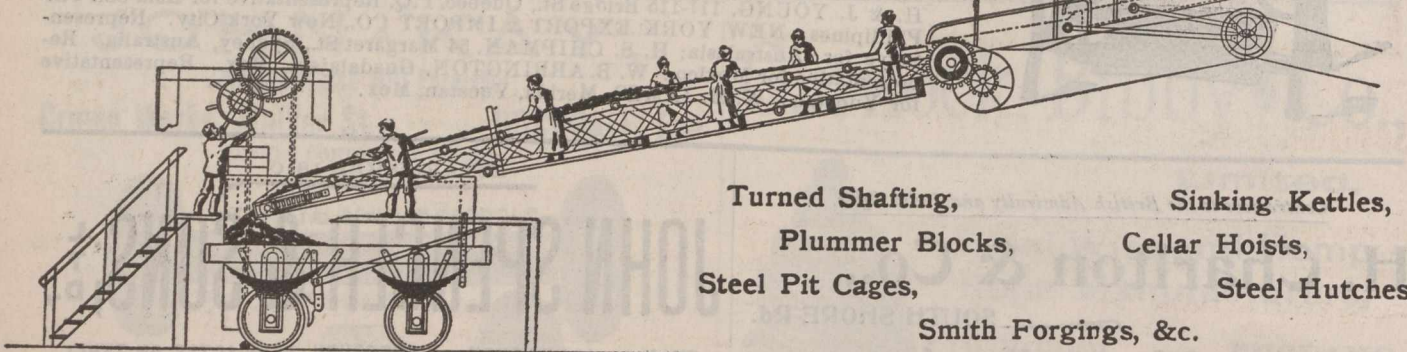
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Turned Shafting, Sinking Kettles,
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WRIGHT'S CELEBRATED NAVY BISCUITS.

*These Biscuits are made from Pure Wheaten Flour, Thoroughly
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Established over 100 Years.

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The Federal Life ASSURANCE COMPANY.

HEAD OFFICE, HAMILTON, CANADA.

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

MOST DESIRABLE POLICY CONTRACTS.

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British * America ASSURANCE COMPANY.

HEAD OFFICE, - - - TORONTO,

Incorporated 1833.

FIRE AND MARINE.

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

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Agents Wanted throughout Canada.

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

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

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

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

Saxe & Archibald, ARCHITECTS
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—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.

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INSURANCE COMPANY.

JOHN A. McCALL, President.

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

AN UNPARALLELED RECORD.

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R. HOPE ATKINSON.

AGENCY DIRECTOR,

Company's Building, MONTREAL

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Imperial Bdg. 107 St. James Street,
Montreal.

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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.

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WENTWORTH J. BUCHANAN, Deputy Chairman.
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HON. SIR ALEXANDRE LACOSTE, K.C.M.G.
G. F. C. SMITH, Resident Secretary.

Head Office, Canada Branch:

MONTREAL.

THE WATERLOO MUTUAL

Fire Insurance Company.

Established in 1863. Head Office, Waterloo, Ont.

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CONFEDERATION LIFE ASSOCIATION.

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

Full information sent on application.

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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.

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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.

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Montreal Branch, - 189 ST. JAMES STREET.

ROBT. BICKERDIKE, Manager.

ROUTH & CHARLTON, City Agents.

THE IMPERIAL INSURANCE COMPANY LIMITED

FIRE.

LONDON.

ESTABLISHED 1808.

SUBSCRIBED CAPITAL, \$6,000,000
PAID-UP CAPITAL, 1,500,000
TOTAL INVESTED FUNDS OVER 8,000,000

Canadian Branch:

COMPANY'S BUILDING, PLACE D'ARMES, MONTREAL.
R. G. KEARLEY, RESIDENT MANAGER.

NATIONAL ASSURANCE COMPANY OF IRELAND.

ESTABLISHED 1822.

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

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

H. M. LAMBERT, MANAGER.

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—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.

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ASSURANCE CO., Ltd.,

Of London, England.

FIRE LIFE MARINE

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

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