

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.

2721

THE CANADIAN JOURNAL OF COMMERCE

FINANCE AND INSURANCE REVIEW.

Vol. 54. No. 23.
NEW SERIES.

MONTREAL, FRIDAY, JUNE 6, 1902.

M. S. FOLEY,
EDITOR AND PROPRIETOR

McINTYRE SON & Co.,

MONTREAL.

IMPORTERS of DRY GOODS.

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

13 VICTORIA SQUARE.

McArthur, Corneille & Co.

310 to 316 St. Paul Street

AND

147 to 151 Commissioners St.,
MONTREAL.

Manufacturers and Importers of

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

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

AGENTS FOR . . .

BERLIN ANILINE CO.,
Berlin, Germany.

Manufacturers of Aniline, Colors and
other Coal Tar Products.

JAMES CORISTINE & CO.,
Limited.

Manufacturers and
Importers of

**HATS
CAPS
AND FURS**

MONTREAL.

**AGENCY
WANTED**

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

PROVISION TRADE,

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

Address, in first instance,
"PRODUCE," care

LEE & NIGHTINGALE,
LIVERPOOL, Eng.

X The following Brands X
Manufactured by . . .

THE American Tobacco Co.

OF CANADA, Limited,

Are sold by all the Leading Wholesale
. . . Houses . . .

CUT TOBACCOOS.

Old Chum,
Seal of North Carolina,
Old Gold.

CIGARETTES ———
Richmond Straight Cut,
Sweet Caporal,
Athlete, Derby.

X . . . X

MARK FISHER SONS
AND COMPANY,

Merchant Tailors and
. . . 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

ROOFING AND ASPHALTING

OF EVERY DESCRIPTION.

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

CANADIAN AGENTS:

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

GEO. W. REED & CO.,
MONTREAL.

**Destructors and
Boiler Furnaces.**

HORSFALL DESTRUCTOR CO.,
Ltd.,

LEEDS, England.

London Office:

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

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

**BLACK DIAMOND
FILE WORKS.**

Est. 1863.

Inc. 1895.



**HIGHEST AWARDS at TWELVE
International Expositions.**

**SPECIAL PRIZE,
GOLD MEDAL;
AT ATLANTA, 1895.**

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

The Chartered Banks.

BANK OF MONTREAL.

(ESTABLISHED 1817.)

Incorporated by Act of Parliament.

Capital (all paid up) \$12,000,000.00
 Reserved Fund, - 8,000,000.00
 Undivided Profits, - 165 856.09

HEAD OFFICE: MONTREAL.

BOARD OF DIRECTORS:

Rt. Hon. Lord Strathcona and Mount Royal,
 G.C.M.G., President.
 Hon. Geo. A. Drummond, Vice-President.
 A. T. Paterson, Esq., Ed. B. Greenshields, Esq.
 Sir Wm. C. Macdonald, E. B. Angus, Esq.
 A. F. Gault, Esq., James Ross, Esq.
 R. G. Reid, Esq.
 E. S. CLOUSTON, General Manager.
 A. Macnider, Chief Inspector and Supt. of Branches.
 W. S. Clouston, Inspector of Branch Returns.
 F. W. Taylor, Assistant Inspector.
 James Aird, Secretary.

BRANCHES IN CANADA:

MONTREAL, H. V. Meredith, Manager.
 " West End Branch.
 " Seignurs St. Branch.
 " Point St. Charles Branch.
 Almonte, Ont. Perth, Ont. Glace Bay, N.S.
 Belleville, " Peterboro, " Halifax, N.S.
 Brantford, " Picton, " Sydney, N.S.
 Brockville, " Sarnia, " Calgary, Alta.
 Chatham, " Stratford, " Lethbridge, Alta.
 Cornwall, " St. Mary's, " Regina, Assa.
 Deseronto, " Toronto, " Winnipeg, Man.
 Ft. William, " Yonge st. br. Greenwood, B.C.
 Goderich, " Wallaceburg, " Nelson, B. C.
 Guelph, " Montreal, Que. New Denver, B.C.
 Hamilton, " Quebec, " New Westminster.
 Kingston, " Chatham, N.B. ter, B.C.
 Lindsay, " Fredericton, N.B. Rossland, B.C.
 London, " Moncton, N.B. Vancouver, B. C.
 Ottawa, " 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. Hebden 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 Bank 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, 30th April, 1902.

THE BANK OF TORONTO.

INCORPORATED 1855.

HEAD OFFICE: TORONTO, CANADA.

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

DIRECTORS:

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

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

BRANCHES:

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

BANKERS:

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

The Chartered Banks.

THE BANK OF BRITISH
 NORTH AMERICA.

Established in 1838.

Incorporated by Royal Charter in 1846.
 Paid up Capital, - - - - £1,000,000 stg.
 Reserve Fund, - - - - 365,000 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,
 M. G. C. Glyn.

Secretary A. G. Wallis.

Head Office in Canada, St. James street,
 Montreal

H. STIKEMAN, General Manager.

J. ELMSLY, Inspector.

BRANCHES IN CANADA:

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. Esalo.
 Montreal, Que., Brandon.

DRAFTS ON SOUTH AFRICA MAY BE OB-
 TAINED AT THE BANK'S BRANCHES.
 Agents in the United States.

New York (52 Wall St.)—W. Lawson and J. C.
 Welsh, Agents.

San Francisco (127 Sansome Street)—H. M. J.
 McMichael and J. R. Ambrose, Agents.

London Bankers—The Bank of England and
 Messrs. Glyn & Co.

Foreign Agents—Liverpool—Bank of Liverpool.
 Scotland—National Bank of Scotland, Limited, and
 branches. Ireland—Provincial Bank of Ireland,
 Limited, and branches; National Bank, Limited,
 and branches. Australia—Union Bank of Australia,
 New Zealand—Union Bank of Australia, India,
 China and Japan—Mercantile Bank of India, Limited.
 West Indies—Colonial Bank. Paris—Messrs.
 Marcuard, Krauss & Cie. Lyons—Credit Lyonnais.

Issue Circular Notes for Travellers, available
 in all parts of the world.

THE MOLSONS BANK.

Incorporated by Act of Parliament, 1855.

HEAD OFFICE: MONTREAL.

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

BOARD OF DIRECTORS:

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

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

BRANCHES:

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

AGENTS IN EUROPE:

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

IN UNITED STATES:

New York—Mechanics' National Bank; National
 City Bank; Hanover National Bank; The Morton
 Trust Co. Boston—State National Bank; Kidder,
 Peabody & Co. Philadelphia—Philadelphia National
 Bank; Fourth Street National Bank. Portland,
 Me.—Casco National Bank. Chicago—First Na-
 tional Bank. Cleveland—Commercial National
 Bank. Detroit—State Savings Bank. Buffalo—
 Third National Bank. Milwaukee—Wisconsin Na-
 tional Bank of Milwaukee. Minneapolis—First
 National Bank. Toledo—Second National Bank.
 Butte, Montana—First National Bank. San Fran-
 cisco—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 Trav-
 ellers' Circular letters issued available in all parts
 of the world. Also "Bank Money Orders" payable
 at all banking points in the Dominion.

The Chartered Banks.

THE ROYAL BANK
 OF CANADA.

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

BOARD OF DIRECTORS:

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

HEAD OFFICE: HALIFAX, N.S.

E. L. Pease, General Manager (Office of the Gen-
 eral Manager, Montreal); W. B. Terrance, Supt. of
 Branches, Montreal, W. F. Brock, Inspector, Mont-
 real.

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

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

CORRESPONDENTS:

Great Britain, Bank of Scotland. France, Credit
 Lyonnais. Germany, Deutsche Bank. Spain,
 Credit Lyonnais. China and Japan, Hong Kong
 & Shanghai Banking Corporation. New York, Chase
 National Bank. Boston, National Shawmut Bank,
 Chicago, Illinois Trust and Savings Bank. San
 Francisco, Nevada National Bank. Portland, Ore.,
 First National Bank. Seattle, Washington Na-
 tional Bank. Spokane, Exchange National Bank.

ST. STEPHEN'S BANK.

Incorporated 1836.

St. Stephen, N.B.

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

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

AGENTS:

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

THE WESTERN BANK
 OF CANADA.

HEAD OFFICE: OSHAWA, ONT.

Capital Authorized, - - - - \$1,000,000
 Capital Subscribed, - - - - 800,000
 Capital Paid-up, - - - - 418,000
 Reserve, - - - - 150,000

BOARD OF DIRECTORS:

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

T. H. McMillan, - Cashier.

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

THE ONTARIO BANK.

Capital subscribed - - - - \$1,500,000.00
 Capital Paid-up - - - - 1,893,000.00
 Rest - - - - 380,000.00
 Profit and Loss Account - - - - 18,998.00

HEAD OFFICE: TORONTO.

DIRECTORS:

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

BRANCHES:

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

AGENTS:

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

The Chartered Banks.

THE CANADIAN BANK OF COMMERCE

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

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

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

BRANCHES OF THE BANK IN CANADA.

ONTARIO: Barrie, Dundas, Simcoe; Belleville, Dunnville, Paris; Berlin, Fort Frances, Parkhill, Toronto; Blenheim, Galt, Peterboro, Toronto Jc.; Brantford, Goderich, St. Cath'rins, Walkerton; Cayuga, Guelph, St. Cath'rins, Walkerville; Chatham, Hamilton, Sarnia, Waterloo; Collingwood, London, St. Ste. M'rie, Windsor; Dresden, Orangeville, Seaforth, Woodstock

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

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

IN GREAT BRITAIN:

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

Bankers in Great Britain:

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

Traders Bank of Canada

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

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

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

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

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

BANKERS

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

BANQUE D'HOCHELAGA.

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

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

Head Office, Montreal. BRANCHES—Quebec, P. Q., Vankleek Hill, Ont. Three Rivers, P. Q., Winnipeg, Man. Joliette, P. Q., St. Henri, near Montreal Sorel, P. Q., 1883 St. Catherine " Valleyfield, P. Q., 1756 " Louisville, P. Q., 2217 Notre Dame " Sherbrooke, P. Q., Hochelaga "

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

HEAD OFFICE - HAMILTON.

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

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

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

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

THE DOMINION BANK

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

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

HEAD OFFICE, TORONTO.

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

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

Eastern Townships Bank.

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

BOARD OF DIRECTORS: H. W. HENKEL, President. Hon. M. H. COCHRAN, 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, SHELBORNE, Que. Wm. FARWELL, General Manager.

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

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

THE BANK OF OTTAWA.

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

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

HEAD OFFICE, Ottawa, Ont. GEO. BURN, Gen. Mgr. - D. M. FINNIE, Ottawa Mgr. L. G. OWEN, Inspecting Officer.

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

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

The Chartered Banks.

BANK OF NOVA SCOTIA.

INCORPORATED 1832.

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

Head Office, - HALIFAX, N.S.

DIRECTORS: JOHN Y. PAYZANT, President; CHARLES ARCHIBALD, Vice-President; R. L. BORDEN, J. WALTER ALLISON; GEO. S. CAMPBELL, HECTOR McINNIS.

General Office, - TORONTO, Ont. H. C. McLEOD, Gen. Manager. D. WATERS, Chief Insp'r. GEO. SANDERSON, Insp'r.

BRANCHES.

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

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

In P. E. Island—Charlottetown and Summerside, In Quebec—Montreal and Paspébiac. In Ontario—Arnprior, Berlin, Ottawa, Toronto. In Manitoba—Winnipeg.

In Newfoundland—St. John's and Harbor Grace. In West Indies—Kingston, Jamaica. In United States.—Boston, Mass.: Chicago.

THE QUEBEC BANK.

HEAD OFFICE, - QUEBEC. Founded 1818. Incorporated 1832. CAPITAL AUTHORISED - \$3,000,000 PAID-UP - 2,500,000 REST - 700,000

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

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

HALIFAX BANKING CO

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

HEAD OFFICE, .. HALIFAX, N.S. DIRECTORS: ROBIN UNIACKE, President. C. W. ANDERSON, Vice-President. JOHN MACNAB, W. J. G. THOMSON, W. N. WICKWIRE, H. N. WALLACE, Cashier. A. ALLAN, Inspector.

BRANCHES—Nova Scotia: Halifax, Amherst, Antigonish, Barrington, Bridgewater, Canning, Lockeport, Lunenburg, Middleton, New Glasgow, Parrsboro, Shelburne, Springhill, Truro, Windsor. New Brunswick: Sackville, St. John.

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

UNION BANK OF CANADA

Capital Paid-up, - \$2,000,000 Rest, - 550,000

HEAD OFFICE, QUEBEC. Board of Directors. ANDREW THOMSON, Esq., President. Hon. JOHN SHARPLES, Vice-President. D.C. Thomson, Esq., E. J. Hale, Esq. Ed. Giroux, Esq., Wm. Shaw, Wm. Price, Esq.

E. E. Webb, Gen. Manager J. G. Billett, Inspector F. W. S. Crispo, Asst. Inspector

Branches: Alexandria, Ont. Kemptville, Ont. Qu'Appelle Arcola, N.W.T. Killarney, Man. (Station) n.w.t. Boisseval, Man. Lethbridge, n.w.t. Quebec, Que. Calgary, n.w.t. Macleod, n.w.t. do St. Louis St. Carberry, Man. Manitou, Man. Regina, n.w.t. Carleton Place, O. Merrickville, Ont. Shelburne, Ont. Carman, Man. Melita, Man. Smith's Falls, O. Crystal City, M. Minnedosa, Man. Souris, Man. Deloraine, Man. Montreal, Que. Toronto, Ont. Edmonton, n.w.t. Moosomin, n.w.t. Virden, Man. Glenboro, Man. Moose Jaw, n.w.t. Wawanesa, Man. Greta, Man. Morden, Man. Warton, Ont. Hamiota, Man. Neepawa, Man. Winchester, Ont. Hartney, Man. Norwood, Ont. Winnipeg, Man. Hastings, Ont. Pincher Creek, Yorkton, N.W.T. Holland, Man. N.W.T. Indian Hd., n.w.t.

Foreign Agents:

London, Parr's Bank, Limited Liverpool, " " New York, National Park Bank, Minneapolis, National Bank of Commerce, St. Paul, St. Paul National Bank, Great Falls, Mont. First National Bank, Chicago, Ill. Commercial National Bank, Buffalo, N. Y. Marine Bank, Detroit, Mich. First National Bank

The Chartered Banks.

Imperial Bank of Canada.

Capital (paid up) \$2,500,000
 Rest 1,850,000

DIRECTORS.

T. R. MERRITT, President.
 D. R. WILKIE, Vice-President.
 Wm. Ramsay, Robert Jaffray
 T. Sutherland Stayner, Elias Rogers, Wm. Hendrie.
HEAD OFFICE, TORONTO.
 D. R. WILKIE, General Manager.
 E. HAY, Assistant General Manager.
 W. MOFFAT, Chief Inspector.

BRANCHES IN ONTARIO.

Essex,	Listowel,	St. Catharines,
Fergus,	Niagara Falls,	Sault Ste. Marie
Galt,	Ottawa,	St. Thomas,
Hamilton,	Port Colborne,	Toronto,
Ingersoll,	Rat Portage,	Welland,
	Woodstock.	

BRANCH IN QUEBEC.—Montreal.

BRANCHES IN NORTH WEST AND BRITISH COLUMBIA.

Brandon, Man.	Prince Albert, Sask.
Calgary, Alta.	Revelstoke, B.C.
Edmonton, Alta.	Rosthern, Sask.
Ferguson, B.C.	Strathcona, Alta.
Golden, B.C.	Vancouver, B.C.
Nelson, B.C.	Winnipeg, Man.

AGENTS.—London, Eng., Lloyds Bank Limited,
 New York, Bank of Montreal, Bank of the Man-
 hattan Co., Bank of America.
 Sterling exchange bought and sold. Letters of
 credit issued available in any part of the world.

La Banque Nationale.

HEAD OFFICE, QUEBEC.

Capital Authorized, \$2,000,000.00
 Capital Subscribed, 1,469,700.00
 Capital Paid-Up, 1,430,550.00
 Rest, 350,000.00
 Undivided Profits, 60,161.16

DIRECTORS:

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

Branches:

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

Agents—London, Eng.—The National Bank of
 Scotland, Ltd. Paris, France—Credit Lyonnais,
 New York—First National Bank. Boston, Mass.—
 National Bank of Redemption.
 Prompt attention given to collections.
 Correspondence respectfully solicited.

The Standard Bank of Canada

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

HEAD OFFICE, TORONTO.

DIRECTORS.

W. F. COWAN, President.
 JOHN BURNS, Vice-President.
 W. F. Allan, Fred. Wyld,
 T. R. Wood, Jas. Scott, A. J. Somerville

AGENTS.

Alisa Craig,	Cannington,	Kingston,
Bowmanville,	Chatham,	Markham,
Brantford,	Colborne,	Parkdale, Toronto
Bradford,	Durham,	Pictou,
Brighton,	Forest,	Richmond Hill,
Brussels,	Harriston,	Stouffville,

BANKERS

New York—Importers and Traders National Bank,
 Montreal—Molson's Bank and Imperial Bank,
 London, England—National Bank of Scotland.
 All banking business promptly attended to. Cor-
 respondence solicited.
 GEO. P. REID, General Manager.

THE JOURNAL OF COMMERCE
 FINANCE AND INSURANCE REVIEW

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

ISSUED EVERY FRIDAY MORNING
SUBSCRIPTION.

Montreal Subscribers,	.. .. .	\$3 a year
Mail Subscribers to any other part of	.. .. .
Canada,	.. .. .	\$2 a year
British Subscribers,	.. .. .	\$1 Stg.
American,	.. .. .	\$3 a year
Single Copies,	.. .. .	10c, each

Editorial and Business Offices:

Nos. 171 and 173 St. James Street,
 Head of St. John Street,
MONTREAL.

S. FOLEY, Editor, Publisher and Proprietor.
 We do not undertake to return unused
 manuscripts.

The Editor cannot under any circumstances un-
 dertake to return unused manuscripts, or enter
 into any correspondence concerning it.

Ocean Steamships.

DOMINION LINE

Steamships.

LIVERPOOL SERVICE.

From Portland.	From Portland.
Vancouver, June 7	Colonian, June 28
Norseman, June 14	Irishman, July 5
*Turcoman, June 21	

*These steamers do not carry passengers.

Rates of Passage.

Saloon—\$65.00 and upwards according to
 steamer and service.
 Second Saloon—\$37.50 and upwards accord-
 ing to steamer and service.
 Third Class—\$26.00 to Liverpool, London,
 Londonderry, Belfast, Glasgow, Queerstown.
 From Montreal. From Boston.
 *Manxman, June 14 New Eng and, June 4
 Dominion, June 21 Commonwealth, June 16
 *Ottoman, June 14

NEW SERVICE.

BOSTON TO THE MEDITERRANEAN.
 Cambroman, July 2 Cambroman, Aug. 16
 Midship saloons, electric light, spacious prom-
 enade decks
 For further information apply to any agent of
 the company, or to

DAVID TORRANCE & CO.,

General Agents, Montreal.
 17 St. Sacrament Street.

Loan Societies.

THE
Central Canada LOAN AND SAVINGS COMPANY
 Corner King and Victoria Streets, Toronto
 HON. GEO. A. COX, President.
INVESTMENT BONDS
 Write us for particulars of
 Government, Railroad
 and Municipal
 Bond Investments.

Oceanic Steamships.

ALLAN LINE

MONTREAL TO LIVERPOOL
 VIA
QUEBEC AND MOVILLE.
ROYAL MAIL SERVICE.

NEW STEAMERS.

Tunisian, 10,575 Tons, Twin Screws.
 Bavarian, 10,375 Tons, Twin Screws.
 Ionian, 10,000 Tons, Twin Screws.

These are the largest, finest and
 fastest vessels ever built for the St.
 Lawrence route.

From Liverpool	From Steamers.	From Montreal.	From Quebec.
15 May	Ionian	31 May,	31 May.
22 May	Parisian	7 June,	7 June.
29 May	Tunisian	14 June,	14 June.
5 June	Pretorian	21 June,	21 June.

Steamer sail from Montreal, 9 a.m., thus making
 connection with morning trains from the West and
 South.

The Saloons and Staterooms are in the central
 part where least motion is felt. Electricity is used
 for lighting the ships throughout, the lights being
 at the command of the passengers at any hour of the
 night. Music rooms and smoking room on the
 promenade deck. The Saloons and Staterooms are
 heated by steam.

RATES OF PASSAGE.—Cabin : \$65.00 and up-
 wards. A reduction is made on Round Trip
 Tickets.

Second Cabin—To Liverpool, London or Lon-
 donderry. \$37.50 to \$40 Single, \$71.25 to \$76 Return.
 Steerage—To Liverpool, London, Glasgow, Bel-
 fast or Londonderry, including every requisite for
 the voyage, \$26.00.

Glasgow, and New York Service
calling at Londonderry.

From New Pier foot of W. 21st Street, New York	
From Glasgow.	From New York.
24 May	Laurentian . . . 11 June, 11 a.m.
7 June	Carthaginian . . 25 June, 1 p.m.
21 June	Mongolian . . . 9 July, 11 a.m.

Rates : First Cabin, \$50 to \$75 Single,
 \$90 to \$135.00 Return. Second Cabin,
 \$32.50 Single, \$61.75 Return. Steerage to
 Glasgow, Belfast or Londonderry \$26.00.
 Outfit for Steerage passengers furnished free.
 The Steamers employed on these services are not
 surpassed for accommodation for all classes of
 passengers.

For further information apply to

H. & A. ALLAN,

55 Common St., Montreal.

INVESTMENTS.

Opportunities for safe investments in
 Canada, at 4 to 5 per cent. Corres-
 pondence invited.

Address : INTEREST,

P.O. Box 576,

Montreal, Canada

THE MOST NUTRITIOUS.

EPPS'S COCOA

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

EPPS'S COCOA

BREAKFAST—SUPPER

THE

Ward Commercial Agency

Mercantile Reports. Collections.

Personal Attention. Prompt Returns

246 St. James Street, MONTREAL

Attention Given to Special Reporting.

The Dominion Savings & Investment Society

MASONIC TEMPLE BUILDING,

London, Canada.

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

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

JAMES MURRAY,

of ST. JOHN'S, Newfoundland,
GENERAL * COMMISSION * AGENT.

Respectfully solicits trial consignments in the fol-
 lowing lines of goods handled:

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

Business Founded 1795.

American Bank Note Company.

78 to 86 TRINITY PLACE, NEW YORK.

ENGRAVERS AND PRINTERS OF

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

With Special Safeguards to Prevent Counterfeiting.

JAMES M ACDONOUGH, Chairman.
 AUGUSTUS D. SHEPARD, President.
 THEO. H. FREELAND, Vice-Pres. & Treas.
 WARREN L. GREEN, 2nd Vice-Pres.
 JOHN E. CURRIER, Secretary.
 L. K. MYERS, Ass't Treas.
 F. R. MYERS, Ass't P.

R. HUDSON

Gildersome Foundry, near LEEDS.

Telegrams—
Foundry, Gildersome
A B C Code used

5 Minutes' walk from
Gildersome Station, G.N.
Railway.

National Telephone
No. 14,
Leeds Exchange.

Leeds to Bradford via Tingley.

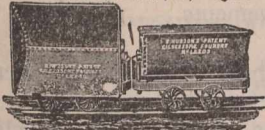
30 Minutes' walk from Morley Station, L. & N.W. Ry.



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



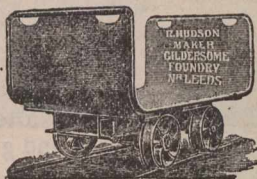
62—R. H.'s Patent Steel Goods Wagon, with Side Doors



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



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



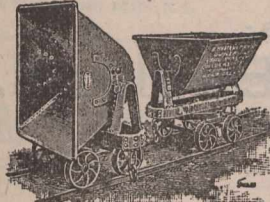
76—Hand Trolley, made to carry any weight or to suit any rail gauge.



76—R. H.'s Patent Steel Mining Wagon



43—R. H.'s Patent Railway, for Bolts, Rivets, or Loose Parts. Will last ten times as long as the ordinary kind. Guaranteed thorough by satisfactory



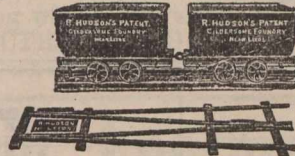
80—R. H.'s Patent Double-Centre Universal Tip Wagon tipping either Endways or Sideways at will



1—R. H.'s Patent Steel End Tip Wagon



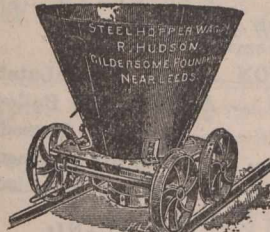
40—Turnout, with Fixed Point



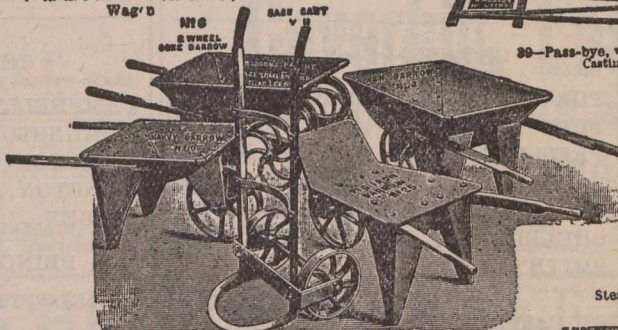
80—Pass-by, with Fixed Points Castings only



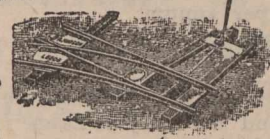
17—R. H.'s Patent Self-contained Ball Bearing Turntable, disassembling with Lubrication and Masonry Foundations



27—Hopper Wagon, with Slide Door



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



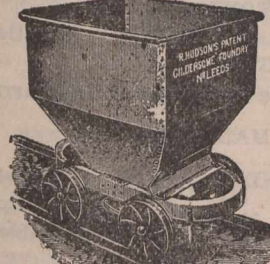
10—Left-hand Steel Points & Crossing



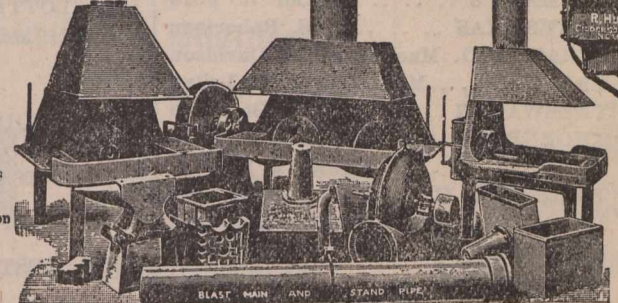
Steamship Barrow. Drawing V 10



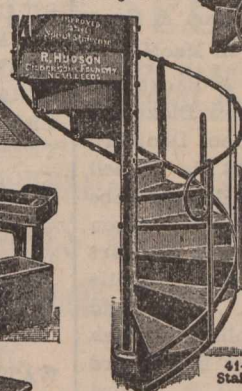
67—R. H.'s Improved Steel Ladder. Strong, very light, and durable.



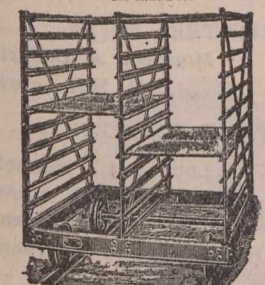
69—R. H.'s Improved Steel Hopper Wagon with Slide Door



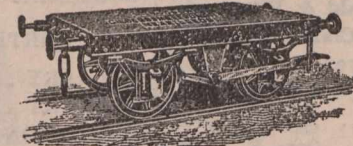
6—R. H.'s Patent Iron Smith's Hearths. No Brickwork required



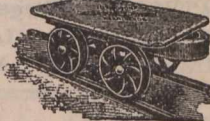
41—R. H.'s Patent Steel Staircases. Extremely light



68—Cake Drying Wagon



56—10-Ton Platform Railway Wagon



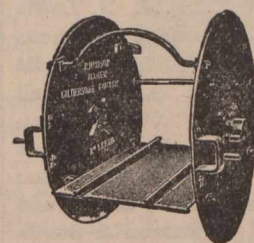
58—Steel Plate Bogie



22—Two Tons Steel Plate Bogie. Practically indestructible.



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



78—Tippler for Mining Wagons



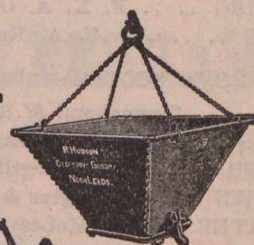
16—R. H.'s Improved Steel Cage, with Safety Grippers and Pulleys complete



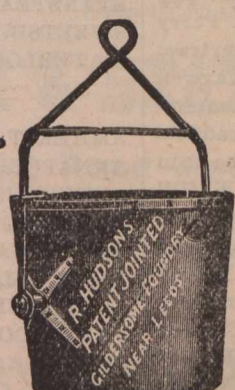
60—Bogie Wagon, with Swivel Fork for carrying Long Balks



70—Foundry Fettling Box



57—Steel Coal Box with Drop Bottom



—Self-righting Steel Tip Bucket, and with Patent Self-righting Catch if needed



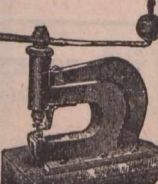
61—Rope Bucket, with R. H.'s Patent Chain for Wire Rope Hoists



62—Mining Nipple, with or without Valve in bottom



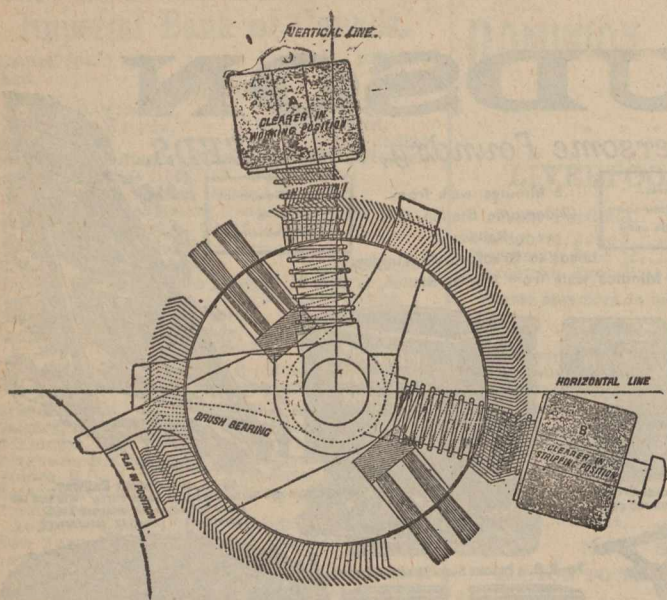
4—Portable Coal Wagon



53—Fly Punch



55—Foundry Ladle



Philipson & Co.'s,

PATENT

Combination Flat Stripping Brush

(For Revolving Flat Card Engines.)
With 1897 Improvements.

This is the most efficient method of keeping Card Wire clean.

Thousands working in all parts of the textile world and giving the highest satisfaction.

WORKS:

Bolton, - England.

Legal Directory.

Price of Admission to this Directory is \$10 per annum.

NEW YORK STATE.

NEW YORK CITY . . . David T. Davis
(Counsellor and Attorney-at-Law)
141 Broadway

ONTARIO.

ARNPRIOR . . . Thompson & Hunt
ARTHUR . . . M. M. MacMartin
AYLMER . . . Miller & Backhouse
BARRIE . . . John Dickinson
BELLEVILLE . . . Geo. Denmark
BLENHEIM . . . R. L. Gosnell
BOWMANVILLE . . . R. Russell Loscombe
BRANTFORD . . . Wilkes & Henderson
BROCKVILLE . . . Wood & Stewart
CAMPBELLFORD . . . A. L. Colville
CANNINGTON . . . A. J. Reid
CARLETON PLACE . . . Colin McIntosh
DESERONTO . . . Henry R. Bedford
DURHAM . . . J. P. Telford
GANANOQUE . . . J. C. Ross
GODERICH . . . E. N. Lewis
HAMILTON . . . Lees, Hobson & Stephens
INGERSOLL . . . Thos. Wells
IROQUOIS . . . A. E. Overell
KEMPTVILLE . . . T. K. Allan
KINGSTON . . . B. M. Britton
LEAMINGTON . . . W. T. Easton
LINDSAY . . . McLaughlin & McDiarmid
LINDSAY . . . Barron & Steers
LISTOWEL . . . S. B. Morphy
MOUNT FOREST . . . W. C. Perry
LONDON . . . W. H. Bartram
L'ORIGINAL . . . J. Maxwell
MITCHELL . . . Dent & Thompson
MORRISBURG . . . Johnston & Bradfield
NEWMARKET . . . Thos. J. Robertson
NIAGARA FALLS . . . Fred. W. Hill
NORWOOD . . . T. M. Grover
OAKVILLE . . . R. S. Applebe
ORANGEVILLE . . . W. J. L. McKay
OSHAWA . . . J. F. Grierson
OWEN SOUND . . . A. D. Creasor
PETERBOROUGH . . . Roget & Bennet
PETROLIA . . . H. J. Dawson
PORT ARTHUR . . . David Mills
PORT ELGIN . . . J. C. Dalrymple

Legal Directory.

ONTARIO—Continued.

PORT HOPE . . . Chisholm & Chisholm
PORT HOPE . . . H. A. Ward
PRESCOTT . . . F. J. French, K.C.
SARNIA . . . A. Weir
SAULT STE. MARIE . . . Elgin Myers, K.C.
SHELBURNE . . . John W. Douglas
SMITH'S FALLS
Lavell, Farrell & Lavell
ST. CATHARINES . . . E. A. Lancaster, M.P.
ST. MARY'S . . . Armour W. Ford
ST. THOMAS . . . J. S. Robertson
STRATFORD . . . MacPherson & Davidson
TRENTON . . . MacLellan & MacLellan
TEESWATER . . . John J. Stephens
THORNBURY . . . T. H. Dyre
TILSONBURG . . . Dowler & Sinclair
TORONTO . . . Roaf & Roaf
TORONTO . . . Jones Bros. & McKenzie
UXBRIDGE . . . J. A. McGillivray
VANKLEEK HILL,
F. W. Thistlethwaite
WATFORD . . . Fitzgerald & Fitzgerald
WELLAND . . . L. Clarke Raymond
WINGHAM . . . Myer & Dickinson
WINDSOR . . . Patterson, Murphy & Sale
WALKERTON . . . A. Collins
WALKERTON . . . Otto F. Klein

QUEBEC.

BUCKINGHAM . . . F. A. Baudry
MONTMAGNY . . . Albert J. Bender
PERCE & NEW CARLISLE . . . Jos. Garon
RICHMOND . . . Edward J. Bedard
STANSTEAD . . . Hon. M. F. Hackett
SWEETSBURG . . . F. X. A. Groux
WATERLOO . . . C. A. Nutting

NOVA SCOTIA.

AMHERST . . . Townshend & Rogers
ANNAPOLIS ROYAL . . . H. D. Ruggles
ANTIGONISH . . . A. Macgillivray
BRIDGETOWN . . . T. D. Ruggles & Sons
BRIDGEWATER . . . Jas. A. McLean, K.C.
KENTVILLE . . . Roscoe & Dunlop
LUNENBURG . . . S. A. Chesley
PORT HOOD . . . S. Macdonnell
SYDNEY . . . Crewe & Burchell
SYDNEY, C. B. . . MacEchen & McCabe
YARMOUTH . . . E. H. Armstrong
YARMOUTH . . . Sandford H. Peiton

Legal Directory.

NEW BRUNSWICK.

CAMPBELLTON . . . H. F. McLatchy
EDMUNSTON . . . A. Rainsford Balloch
HAMPTON . . . A. Le B. Tweedie
MONCTON . . . Harvey Atkinson
SUSSEX . . . White & Allison

PRINCE EDWARD ISLAND.

CHARLOTTETOWN,
McLeod & Bentley
CHARLOTTETOWN,
McLeod, Morson & McQuarrie

MANITOBA.

PILOT MOUND . . . W. A. Donald
SELKIRK . . . James Heap
WAWANESA . . . Jos. H. Chambers

BRITISH COLUMBIA.

NEW WESTMINSTER,
Morrison & Dockrill
ROSSLAND . . . P. McL. Forin

NORTHWEST TERRITORY.

CALGARY . . . Lougheed & Bennett
CALGARY . . . McCarthy & Stuart
EDMONTON . . . Bown & Robertson
RED DEER, Alberta . . . Geo. W. Greene

Legal.

Toronto, Ont.

JONES BROS. & MACKENZIE,
Barristers & Solicitors,
Canada Permanent Chambers, Toronto.
CLARKSON JONES, BEVERLY JONES,
GEO. A. MACKENZIE, G. J. LEONARD.
English Agent: JONES & JONES,
89 Cannon St., London,
Commissioner for N. Y., Illinois and other States

MAC ECHEN & MACCABE,
Barristers and Attorneys-at-Law,
Notaries Public, etc.,
MacDonald's Block, Sydney,
Cape Breton, Nova Scotia.
Real Estate and Commercial Law
receive Special Attention.

Legal.

GIBBONS, MULKERN & HARPER,
Barristers, Attorneys, &c.
Office: Corner Richmond and Carling Sts.
GEO. C. GIBBONS, K.C., P. MULKERN;
FRED. F. HARPER

Lajoie & LACOSTE,
Advocates.
Provincial Building,, 7 Place d'Armes,
Montreal.
H. GERIN-LAJOIE, LL.L., PAUL LACOSTE, LL.L.

Kingston, Ont.
SMYTHE & LYON,
Barristers, Solicitors, &c.,
R. H. SMYTHE, LL.D., K.C. M. I. LYON.

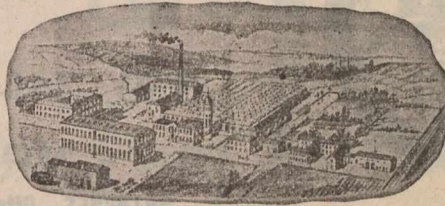
Seaforth, Ont.
McCAUGHEY & HOLMESTED,
Barristers, &c.

London, Ont.
W. H. BARTRAM,
Barrister, Solicitor, Notary, &c.
OFFICE: 99 DUNDAS STREET WEST.

LAW WORK being one of our special-
ties, we hope you will favor us with
your patronage.
JOURNAL OF COMMERCE,
171 St. James Street, Montreal.

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

S. Haley & Son,
LIMITED.
CLECKHEATON, YORKSHIRE, ENG.



Manufacturers of every
Description of

Card Clothing for
Woollen, Worsted
& Cotton

CARD CLOTHING with Patent Bright Hardened and Tempered Steel Wire, Mild Steel or Iron Wire, specially polished Plough Ground, Needle Pointed, Angle, Single and Double Convex, Combined Round and Flat, and all other shaped Wires, in any Foundation used in the Trade.

Also Card Clothing with best Patent Bright Hardened and Tempered Steel Wire with ELECTRIC HARDENED POINTS. Experienced men sent out to Nail Cards when required.

Caverhill, Learmont & Co.,

Wholesale HARDWARE & METAL MERCHANT

Caverhill's Buildings St. Peter St.,

Largest and most complete stock of
SHELF HARDWARE in the Dominion.

MONTREAL

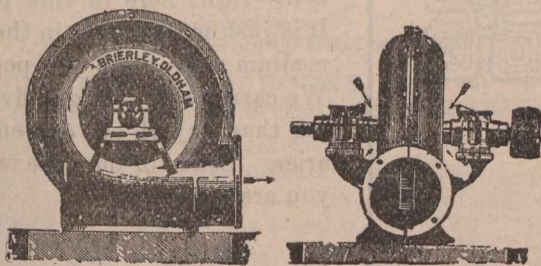
THOMAS BRIERLEY

Mining and Ventilating Engineer,

MANUFACTURER OF **OLDHAM, ENG.**

EXHAUSTING,
VENTILATING
and BLOWING **FANS**

With all the Latest Improvements.



Reduced Price List
on Application.

Export Orders
& Specialty.

TELEGRAMS: "LEEDHAM," LEEDS, ENG.

LUKE & SPENCER, LIMITED,

BROADHEATH, near MANCHESTER,
ENGLAND.

Manufacturers of

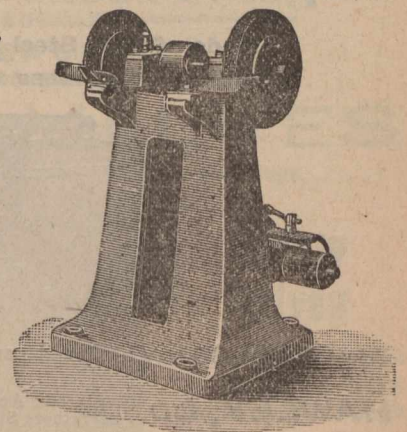
Grinding & Polishing

✳ MACHINES ✳

Emery Wheels,
Etc.

Send for our New En-
larged Catalogue.
Free on application.

Telegraphic Address:
"Emery, Manchester."



NOTE.—Buy Emery Wheels in Great Britain under
the new Canadian Preferential Tariff, 33½ p.c. in their favor

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

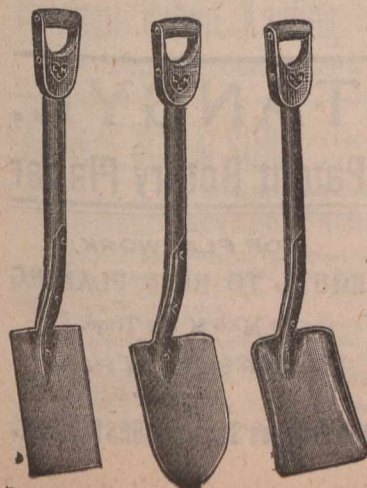
LEEDHAM & HEATON, Ltd.,

Armley Road Works,

LEEDS, ENGLAND.

MANUFACTURERS
OF

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



REGISTERED

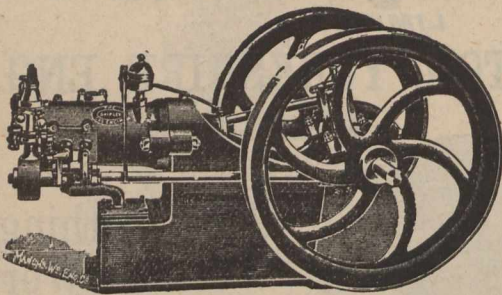
List of Prices on Application, Special Terms.

Telegrams : " Robson, Shipley." National Telephone : " 57 Shipley."

"THE NONPAREIL"

SHIPLEY GAS ENGINE.

Gold Medal Bradford "Traces"
Exhibition, 1898.



Diploma, Newcastle Electrical
Exhibition, 1897.

Sole Maker **JOHN ROBSON,**
SHIPLEY, Yorkshire England.

WEBSTER'S BLUE-BLACK WRITING INK.

GOLD MEDAL AWARDED 1896

Name **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.

LIQUID GUM AND OFFICE PASTE.

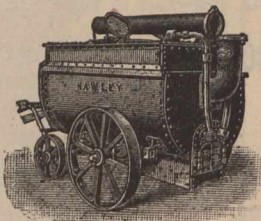
Manufactured by **T. WEBSTER & CO.,**
9 & 11 HENRY ST., LIVERPOOL, ENG.

Suitable for any climate. Agents Wanted.

IMPROVED HAWLEY

Asphalte & Tar Boilers,

Made of Mild Steel throughout,
combining Lightness with Strength.

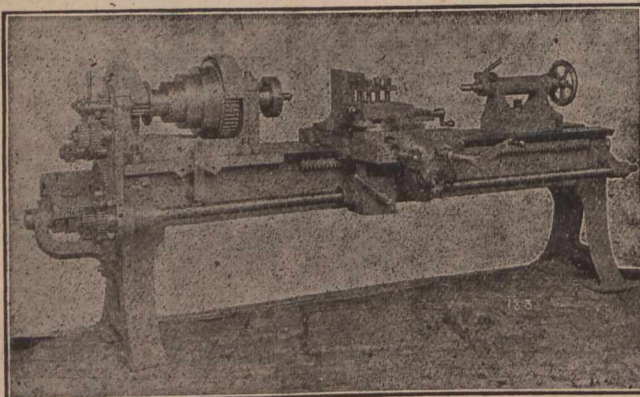


Prices, From £6 to £90, and particulars from the Makers

HAWLEY, LD. Engineers, &c., **LIVERPOOL,**
Carruthers St. **ENG.**

JOHN STIRK & SONS.

ENGINEERS' TOOL MAKERS.



Ovenden Road, **HALIFAX, ENGLAND**
Special prices to Canadians under New Tariff.

The JOHN L. CASSIDY CO., Ltd.,

....IMPORTERS OF....

China, Crockery and Glassware,
FROM ALL COUNTRIES.

339, 341-343 St. Paul Street,
MONTREAL, Que.,

BRANCHES—Ottawa, Ont.: Winnipeg, Man.; Victoria, B.C.

Telegrams : "CHEMICALS, SHEFFIELD."

J. WILKINSON & SON,

....Makers of....

Sulphuric, Muriatic, Nitric, Nitros and Fluoric Acids.

Aqua-Fortis Strong Dipping Acid (Brass and Silver.)
Pure Cyanide of Potass. Liq. Ammonia Fort 880, and
all Chemicals for Electro-plating. Chemically Pure
Hydrochloric, Nitric, Acetic and Sulphuric Acids.

Strong Hydro-Fluoric Acid and Matting Acid for Glass Decorating.

Embossing Black. Peroxide of Hydrogen.

Tinsley Park Rd.,

SHEFFIELD, Eng

Just a Moment!

...

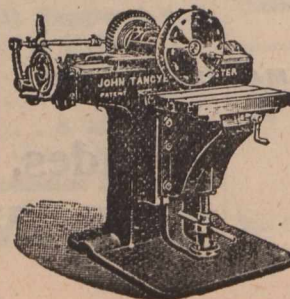
If you want to get as much business out of the Canadian field as possible, you'll advertise here—right here in this paper. It is just as easy to be in the best medium as to be in the poorest. We carry more foreign advertising than any of our contemporaries. Send for our rate card if you are interested,



JOURNAL OF COMMERCE

171 St. James Street,
MONTREAL.

JOHN • TANGYE,
Patent Rotary Planer



FOR FLAT WORK,
EQUAL TO BEST PLANING

In 1/3 to 1/4 the Time.

LARGER SIZES IN HAND.

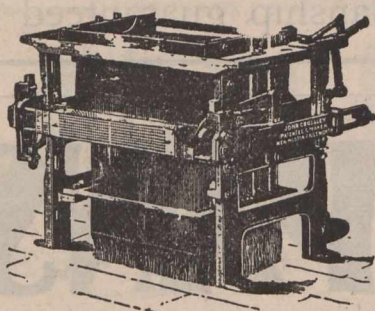
106 Princess St., MANCHESTER, Eng.

AMOS COWEN,

Builder & Contractor

294 Peel Street,
MONTREAL, Que.

400's Needles Double-Lift SINGLE CYLINDER JACQUARD MACHINE



For weaving Cotton, Linen, Woollen, Silk and other classes of goods, when a high speed is desired. Manufactured by

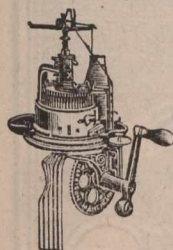
JOHN CROSSLEY,
INVENTOR OF THE
Double-Lift Jacquard,

NEW MOSTON, Failsforth, (Near Manchester,) ENGLAND.

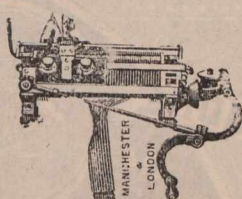
HARRISON KNITTING MACHINES

Latest Improvements.
All sizes to work by Hand or Power.

KNITS STOCKINGS, SOCKS, and all kind of Knitted Garments in WOOL, SILK & COTTON.



Circular Machines for Plain and Ribbed Under-vests, Power Frames, Presses, Winding and Linking Machines, &c.



Specify your requirements.
Good Buying Agents Wanted.

Harrison Patent Knitting Machine Co., Limited,
48 Upper Brook Street, MANCHESTER, Eng.

JOHN PEACE & SONS, Algoma Works, Sheffield, England,
Established over 100 years.

MANUFACTURERS AND MERCHANTS OF SHEFFIELD GOODS.

STEEL.—Best Crucible Cast Steel for Turning and Slotting Tools, Saws, Punches, Dies, and Chisels; also for Masons' Hammers, Chisels, Picks, Quarry and Miners' Drills, &c.; Bessemer and Siemens-Martin Steel in Bars, Sheets and Strips.
FILES AND RASPS of every description or made to any pattern.
HAMMERS for Engineers, Smiths, Masons, Miners and Quarry Work.
CHISELS for Engineers, Masons, and other purposes.
SHOEMAKERS' Knives, Hammers, Nippers, Rasps, and all descriptions of Shoemakers' Tools.
CUTLERY.—Carvers, Table and Dessert Knives, Pen and Pocket Knives Razors, Scissors, Spoons and Forks.

ESTABLISHED OVER A CENTURY.

GEORGE JOHNSON & CO.,

Cutlery and Razor Manufacturers,

SCHWAB'S RAZORS, FULL HOLLOW GROUND.



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

29, Norfolk Lane, - - SHEFFIELD, ENGLAND.

Fletcher • Brothers,

ASHTON-UNDER-LYNE,
ENGLAND.

NEW STEAM
"DIVERGENT"

STOP VALVES

With Patent Removeable Expansive Seatings,
Simple Bye-pass Arrangement.



Safety Valves

with separate outlet for Low Water Steam distinct from High Steam.

Special rates to Canadians under the New Preferential Tariff.

J. M. SIDDELL, UNION MILLS

Dewsbury Road,
LEEDS, Eng.

Spring Roller, Tin Barrel, & Steel Spira
Spring Manufacturer.

Speciality:—Outside and Inside Tin Barrel Spring Rollers and Malleable Castings and Blind Arms, for outside Sun Blinds.



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

YOUR PRINTING.

Watch Your Mail Bag

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



If it is STATIONERY you want we suggest

“Keystone”

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

Write.

By return mail we'll give you an estimate.

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

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



BALLANTYNE & COMPANY, PLUMBING AND HEATING CONTRACTORS

SPECIAL ATTENTION PAID TO ALTERING OLD SYSTEMS OF HEATING.

FACTORY WORK
CAREFULLY AND
SATISFACTORILY
EXECUTED

159 St. Antoine Street,
MONTREAL, Que.

Tel. Main 2462.

WHEN you want anything in the line of **PRINTING**, write to The JOURNAL. Prices and workmanship guaranteed right.

RIPANS

I am never without a small box of Ripans Tabules in my pocket. I take one after each meal and have an appetite to be proud of. I feel so thankful for the great good they have done me.

At Druggists.

The Five Cent packet is enough for an ordinary occasion. The family bottle, 60 cents, contains a supply for a year.

MOORE BROS.
SOLE PROPRIETORS
SPECIAL EXTRA
CREAM CARAMEL
MANUFACTURED BY PATENT PROCESS
No. 25314
2oz!
HALIFAX
ENGLAND

Anderson's Patent Boring Bar and Bracket.

For use on Board Ships, Machinery Erecting and Boiler Shops, &c.



THOMAS ANDERSON, M.I.M.E.,
 3 DERBY ROAD,
 Canada Docks, - Liverpool, Eng,

Telegrams: "BUCKLEY," SHEFFIELD.

WM. BUCKLEY & CO.,

Patent Piston Works

SHEFFIELD, ENGLAND

SOLE MAKERS.

The Principal

PISTON MAKERS

in England.

Inventors and Patentees of the Original BUCKLEY'S HELICAL SPRING COMPENSATING PISTON, which we have brought to perfection.

Agent for Germany:

C. MORRISON,

Admiralitat - Strasse, 40,

HAMBURG II.

F. O. B. at Manchester, under the new Preferential Tariff.

Agents for Scotland:

LEES, ANDERSON & CO.

GLASGOW.



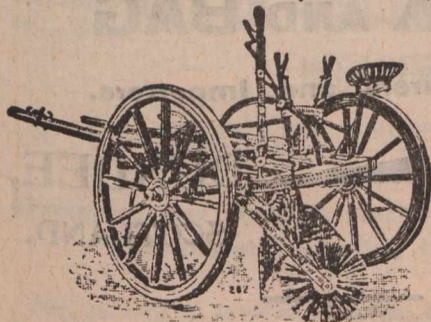
ESTABLISHED 1820.

HY. WADSWORTH & SON,

SOLE MANUFACTURERS OF WADSWORTH'S PATENT

STREET WATERING, SANDING, SWEEPING,

AND CLEANSING MACHINES, &c.



GOLD MEDAL AWARDED PARIS EXHIBITION, 1900.

SANITARY IMPLEMENT WORKS, HALIFAX, ENG.

Brookes & Co., Ltd.,

Owners and Sole Makers,

Gatesmiths

And...

Ironworkers

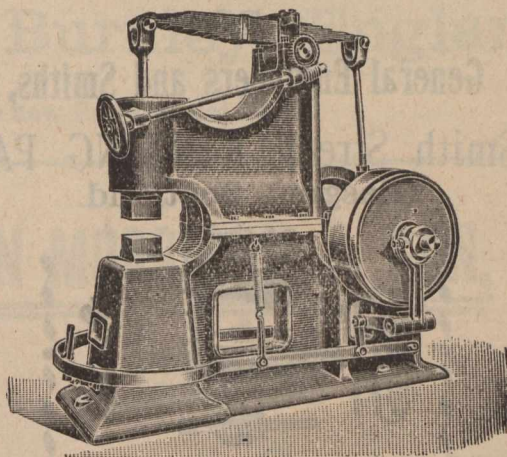
Cateaton Street, - MANCHESTER, ENG.

Special prices under the New Tariff.

(Cut will be inserted as soon as received.)

...PATENT SPRING BEAM POWER HAMMER...

The most Perfect on the Market. The BLOW can be REGULATED whilst RUNNING.



...SOLE MAKERS...

CARTER & WRIGHT

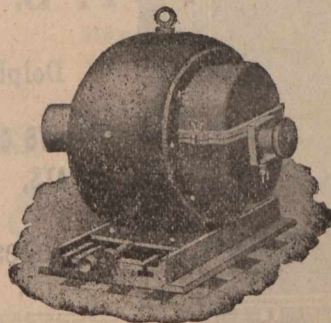
Hexagon Iron Works, HALIFAX, ENGLAND.

Patent Cold Iron Sawing Machines and Machinery Tools of every description.

MCCLURE & WHITFIELD,

STOCKPORT, ENGLAND.

Mersey Dynamos and Motors.



Telegraphic Address: "MOTORS, STOCKPORT."

Special Rates to Canadians under the New Tariff.

George Spencer, Moulton & Co., Limited

77 Cannon St., London, E.C., Eng.

And Bradford-on-Avon, Wilts.

MECHANICAL ENGINEERS FOR INDIA RUBBER APPLICATIONS.

Manufacturers of Patent India Rubber Buffer and Draw Springs.

Fibrous Steam Packing, Hose Pipes, and all kinds of India Rubber Articles for Railway and other Mechanical Purposes.

SOLE LICENSEES FOR A. G. SPENCER'S PATENT BUFFER AND DRAW SPRINGS.

SOLE LICENSEES FOR ANDERSON'S PATENT VENTILATORS FOR RAILWAY CARRIAGES.

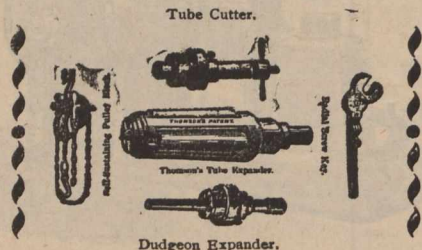
Telegraphic Address:—"EXPANDERS, GLASGOW."

William Thomson

& CO.,

General Engineers and Smiths,

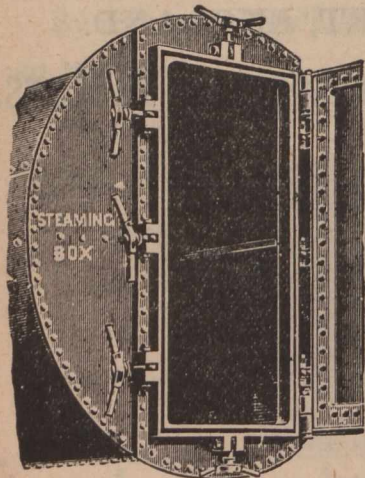
57 Smith Street, KINNING PARK,
Glasgow, Scotland.



Repairs of every description promptly executed.

Patentees and Sole Makers of Thomson's Patent Self Sustaining Screw Pulley Blocks, Tube Expanders, Tube Cutters, Etc., Etc. Also Makers of Dudgeon's Tube Expanders.

STEAMING BOXES. LOGWOOD STILLs.
BLEACHING KIERS. STEAM CASED PANS.



52525252525252

F. S. Cooper,

Dolphin Foundry,

74 & 76 CHAPEL St.,
ANCOATS, . . .

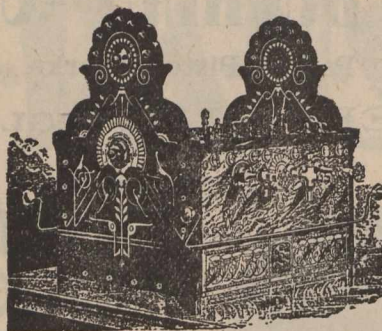
Manchester, Eng.

52525252 25252525

Tanks made suitable for shipment and riveting up abroad.

∴ Soda Fountains ∴

Of Best English Make,
Under the New Tariff.



We make a specialty of this article, and manufacture ourselves the latest improvements, which are secured to us by our own patents.
FULL PARTICULARS ON APPLICATION.

Soda Water Machines for Filling Syphons and Ball Stopped Bottles.

Our new designs have great advantages. Particulars free. BOTTLING, CORKING, BOTTLE WASHING and CAPSULING MACHINERY in great variety and of latest design. Catalogue free.

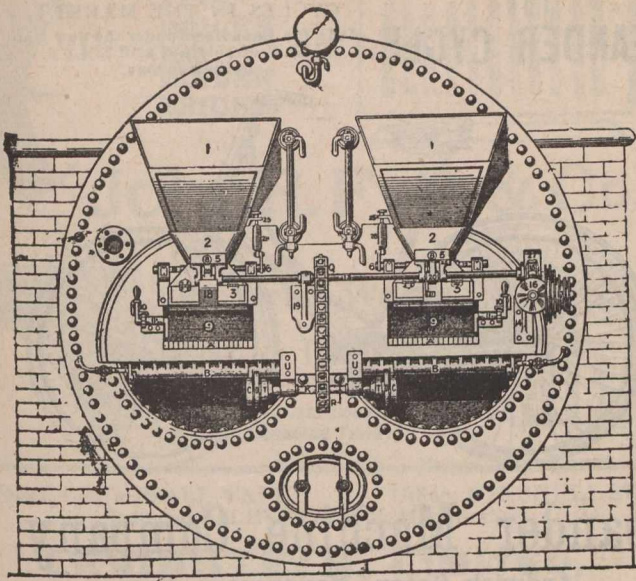
J. P. JACKSON & Co.,
63 Duke St., LIVERPOOL, Eng.

P. MARSH & SONS, SACK AND BAG

Manufacturers and Importers.

— DUNDEE,
SCOTLAND.

Brunswick St., - LIVERPOOL, Eng.



Open to give Licenses for the Manufacture and Sale of these Stokers in Canada.

PROCTOR'S MECHANICAL
... SHOVEL STOKER ...
And SELF-CLEANING BARS.

65 PER CENT. of ORDERS received are from old customers, many of whom have had the machine working 25 years. Over 9,000 furnaces have been fitted with this machine
20 per cent. more duty.
10 to 15 per cent. in Economy.

The first and only Inventor of the Radial Shovel with Tappet and Spring.

The only Moving Bars before the Public that can be worked in three different ways:

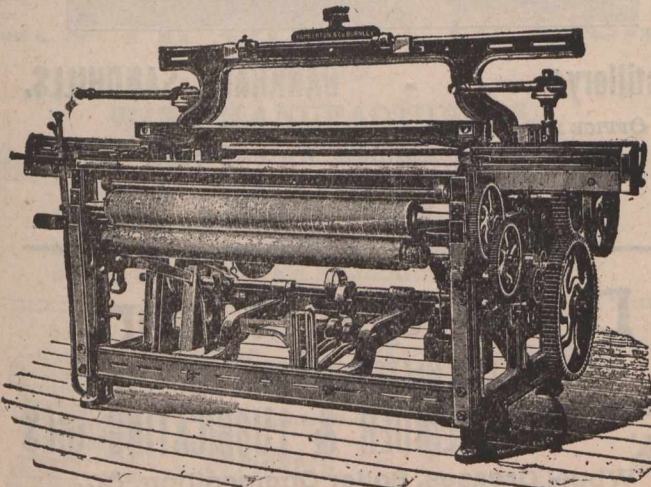
1st.—As self-cleaning. 2nd.—Can be put in and out of gear and worked intermittently. 3rd.—As Handmoving Bars.

Sole Patentee of Steam Bearer to Prevent the Bar Ends Burning off. Largest Number of References in the Trade. The Stoker has been before the Public for over 25 years, and is protected by 10 different Patents.

J. PROCTOR, Hammerton Street Ironworks, **Burnley, England.**

Manufacturer for Canadians, under the new Preferential Tariff.

PEMBERTON & CO.,
 Waterloo Iron Works,
 Loom Makers, &c., **BURNLEY, ENG.**



Plain Calico Loom.

Makers of **MODERN HIGH-CLASS WEAVING MACHINERY**

For Weaving every description of Cotton, Silk and Woollen Goods (Plain and Fancy).

Measuring and Plaiting Machines, Cloth Presses, Twisting and Looming Frames, &c.

88 1/3 per cent. in favor of Canadian Buyers under the New Tariff.

JOHN MORRISON & SON,

Plasterers &

Contractors

Estimates given for

PLASTERING, CEMENT WORK,
TILING, ETC.

ALSO

PLASTIC MARBLE CO'Y,

JAS. MORRISON, Proprietor. G. F. SIMPKIN, Manager.

Manufacturers of

Columns, Pilasters, Pedestals & Dado work.

Samples on view at Office.

Rear 110 Mansfield Street, Montreal, Que.

A.B.C. Code.

Telegrams: "SYPHON," Manchester.
Works: LITTLEBOROUGH.

John Tetlow & Sons, LIMITED.

Devonshire Street, Hyde Road,
— MANCHESTER, Eng. —

Sanitary Pipes, Junctions, Bends, Gullies, Interceptors, Sinks
Wall Coping, Accrington Bricks, Ruabon Bricks, Staffordshire
Bricks, Special Salt Glazed and Enamelled Bricks, Velineli,
Bangor and Penhryn Slates, Slate and Plaster Laths, Ackworth,
Morley and Halifax Stone in the Rough or Worked, Flags, Setts
and Curbs Lias Lime.

Speciality:

Tetlow's Tested Sewer Pipes. Portland Cement.

Special prices to Canadian builders under the New Tariff, F.O.B.
Manchester.
Have supplied the Manchester Corporation for several years.

Telegrams:—MEADOWS, SHEFFIELD.

C. Meadows & Co., Ltd.

Steel Manufacturers, Forgers,
Tilters and Rollers.

Alliance Forge & Rolling Mills.

ATTEROLIFFE Nr. Broughton Lane Station, Great Central Ry.
SHEFFIELD, England.

ARTHUR · STRINGER



Edge Tool
Manufacturer,

Spécialité :

American Pattern Felling
Axes and Hatchetts.



NIAGARA WORKS,

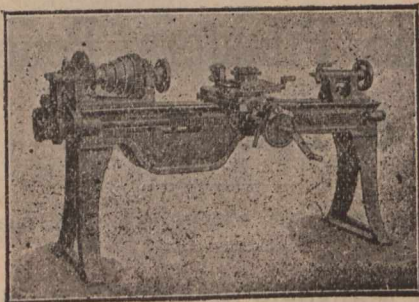
WADSLEY BRIDGE, - - Sheffield, England.

Special price under the New Tariff.

E. LUMB & CO.,

MACHINE TOOL MAKERS,

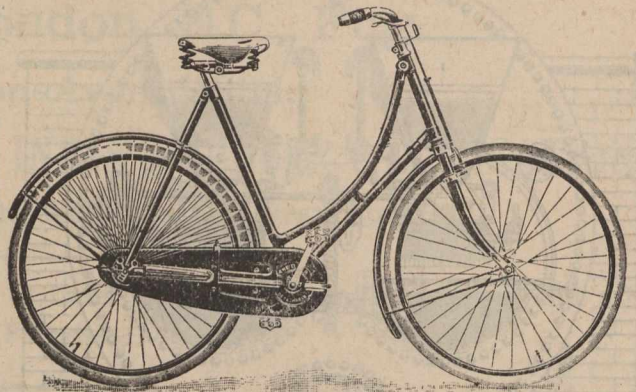
Green Mount Works, - - HALIFAX, Eng.



Machine Tools of every Description for Engineers
Wood-Workers, &c., &c.

The LEANDER CYCLE

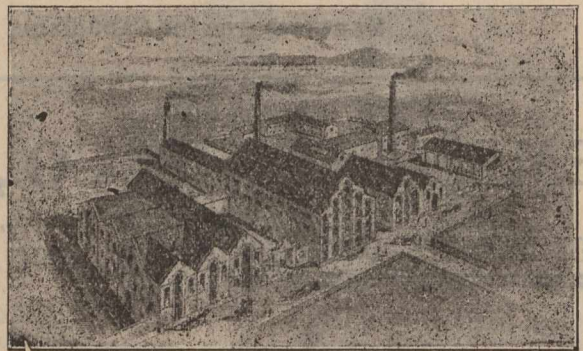
BEST ALL BRITISH MADE
CYCLES IN THE MARKET.
Made for Canadians under the new Can-
adian Preferential Tariff 33 1/4 p c.
in their favour.



Leander Machine Company,
Ardwick Green, Manchester, Eng.

Preston's Liverpool Distillery Company, Limited.

Finest Grain Spirits,



Distillery: - - BANKHALL, SANDHILLS.

OFFICE:

4 India Buildings, Water Street,

LIVERPOOL, Eng.,

D. Battye & Son

TALLOW MELTERS AND REFINERS,

Manufacturers
of . . .

CYLINDER & LUBRICATING OILS

Wheel Greases, Boiler Composition, &c.

Cylinder Oil, Engine Oil, Stainless Lubricating Oil, Gas Engine
Oil, Special Dynamo Oil, Castor Oil, Wheel Grease, Water Wheel
Grease, Belting Grease, Corve Grease.

Office: Cloth Hall St., HUDDERSFIELD, Eng.

Works:—CROSLAND MOOR BOTTOM.
Samples & Prices on application.

Special Prices to Canadians under the New Tariff.

Cotton Rope, Clothes Lines,
Sash Cords, Skipping Ropes.

By 2
New
Automatic
Machinery.

WRITE FOR SAMPLES AND PRICES.

A. E. HAWORTH,

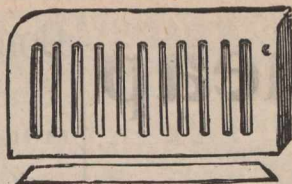
ROPE MAKER, &c.

Bell Street,

BOLTON, ENGLAND.



**FIRE BRICKS
And
BOILER
BRICKS.**



John R. Fyfe & Co.



**ShIPLEY
Firebrick Works,
ShIPLEY, - Yorkshire, Eng.**



Special prices to Canadians under the New Canadian Tariff.

Works: CRUMPSALL VALE. Office: MINSHULL ST.
Telegrams: LEVINSTEIN, Manchester

LEVINSTEIN, LIMITED,
Manchester, Eng.

The Largest Colour Manufacturers in Great Britain

Makers of the various Basic and Acid Colours for the Dyeing of Wool, Cotton, Silk, Jute, Leather, Paper, &c.

SPECIALITIES (PATENTED)

Dianol

Blacks, Browns, Reds, Olives, Yellows, &c., direct Cotton Colours.

Coomassie

Blues, Blacks, &c., &c., For Woollen and Mixed Goods.

Thionol

Blacks, Browns &c., Fast Cotton Colours, dyed in one Bath.

Crumpsall

Blues, Yellows, &c., (For Wool and Calico Printing), Browns, Reds, &c., Direct Cotton Colours.

NAPHTHALINE and NITRONAPHTHALINE.

Naphthol and Naphtholsulphoacids.

Naphthylamine and Naphthylaminesulphoacids.

AMIDONAPHTHOLSULPHOACIDS.

Telegraphic and Cable Address
"SMITHS CLECKHEATON."
A B C Code (4th edition)

Pyenot Works.
Phoenix Works

E. & A. Smith & Co.,
LIMITED,

WIRE MANUFACTURERS,

Manufacturers of
all kinds of

Cleckheaton, Eng.

Patent and Plough Steel Wires for Mines and Hauling Purposes, Wire for Steel Hawsers. Music Wire a Speciality.



ROSS, WALPOLE
Limited

Engineers,
Millwrights,
Boiler-Makers.

Electric Light and
Tramway Pole Bases.

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

THORPE, JOHNSON & CO.,
... Limited
Keighley, England.

MANUFACTURERS
OF THE

Finest Bobbins in England

FOR THE
TRADE.

Special terms to Canadians under the new Preferential Tariff.

Cut will be inserted when received

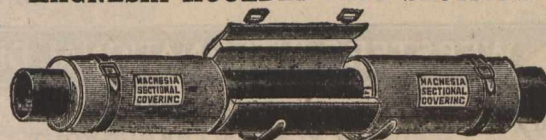
Established 1879.

John Thompson & Co.,

MANUFACTURERS OF:

The Real Non-Conducting Composition, Asbestos, Silicate Cotton (Slag Wool).

MAGNESIA MOULDED PIPE SECTIONS.



Dealers in
Red and
Black
Varnish.

Thousands of References and Testimonials on Application.

John Thompson & Co., ALBION PLACE,
RUSSELL ST.,
ASHTON-UNDER-LYNE, England.

Supplied to Canadians under the New Tariff.

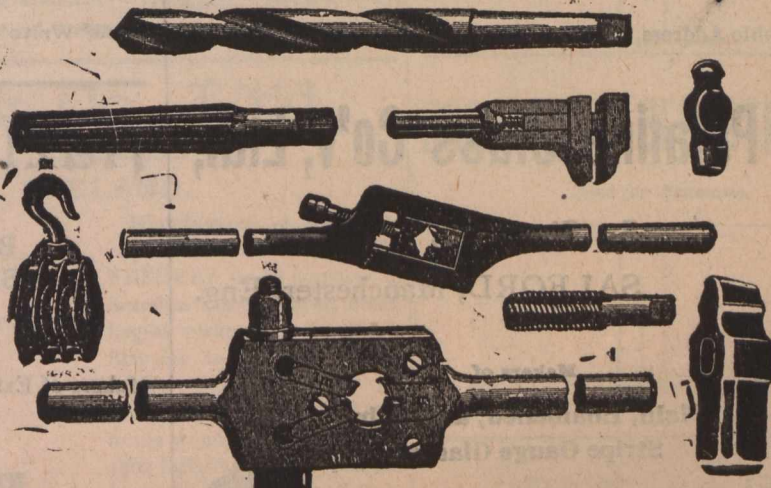
NEW YORK MILL, Heywood, England, Aug. 6th 1901.—Mr. J. Thompson.—Dear Sir,—This is to certify that you have covered our High and Intermediate Cylinders with Silicate of Cotton, and a finishing coat of your own Composition two inches thick, and I am pleased to say it is very satisfactory, and one of the coolest non-conductors I have ever experienced. We are working at a pressure of 180 lbs. The Pipes which you have covered with Sectional Magnesia are also very satisfactory.

Yours respectfully, J. W. HEYWOOD, Manager.

The "JOURNAL of COMMERCE"

Everything in the line of... Job Printing.

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



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

Sugars are Cheap

AND THE BEST
ARE THE CHEAPEST.

Ask For and See That You Get...

Redpath

"EXTRA GRANULATED"

And other Grades of Refined, which
are of the Highest Quality and Purity.

THE CANADA SUGAR REFINING CO., Limited, - MONTREAL.

Dominion Paper Co'y

345 ST. JAMES STREET;
MONTREAL.

Mills at Kingsey Falls, P.Q.

Manufacturers of the following grades of
High Class Papers:

Nos. 1 & 2 Book and Printing (Toned and White).
No. 3 News and Printing " "
White Tea and Bag.
Bleached Manilla, Envelope, Bag and Wrapping.
White Manilla, Tea and Wrapping.
Unbleached Manilla, Tea and Wrapping.

Telephone UP 1091.

H. O'BRIEN & CO.,

Real Estate Agents,
Interior Painters, Designers and Decorators.

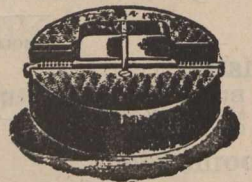
257 Bleury St., Montreal,

SOLE AGENTS FOR AGENTS FOR
Electric Sanitary English, American
No Dust and Canadian
Floor Dressing Wall Paper.

Used by the Leading Merchants.

CHUCKS!

Reside's Improved
2, 3 and 4-jaw



Chucks

For Brass Finishers,
Engineers, &c.

FOR STRENGTH and DURABILITY
Are UNSURPASSED.

Will be sent on approval. Send for Prices.

Reside, Railway Brighthouse.

YORKS, ENGLAND.

WEBSTER'S INTERNATIONAL DICTIONARY

NEW EDITION
NEW PLATES THROUGHOUT

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

Rich Bindings • 2364 Pages • 5000 Illustrations

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

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

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

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

G. & C. MERRIAM CO., Publishers, Springfield, Mass., U. S. A.

GET
THE
BEST

VICARS'

Patent Travelling Biscuit Ovens,
Patent Biscuit Cutting Machines,
Patent Biscuit Mixers,
Patent Biscuit Brakes,
Patent Mechanical Stokers,
Fuel Elevators Conveyors, &c.
System is Used Throughout the World.

ESTABLISHED 1849.

T. & T. VICARS,
EARLESTOWN, LANCASHIRE, ENGLAND

Telegraphic Address, "Eclipse Manchester."

The Palatine Glass Co'y, Ltd.,

St. Simon St.,
SALFORD, Manchester, Eng.

... Makers of ...

Plain, Enamelled, and Ruby
Stripe Gauge Glasses.

SIGHT FEED GLASSES, NEEDLE LUBRI-
CATORS AND MACHINERY GLASS.



The Best House in the OLD COUNTRY

-For-

PICKLES, SAUCE &
TABLE SALT, IS . . .

W. H. FLETT, Ltd.

ALVINA WORKS, Liverpool, Eng.

Write for Price List

Hazlewood & Sons,

Manufacturers of

Blues for Finishing Cloth, Prints, Paper,
Silks, Woollens or Yarns.

(Warranted to stand every description of Finish.)

Makers of Extracts of Indigo for Dyers, and dealers in Indigo,
Smalts, Ultramarine and Bronze.

NELSON WORKS, NEW LANE,

Patricroft, near Manchester,
ENGLAND.

CONTRACTORS TO HER MAJESTY'S GOVERNMENT
 BY ROYAL LETTERS PATENT

NO PAINT, NO PUTTY,
IMPERISHABLE WATER-TIGHT

THE ONLY DUST-PROOF SYSTEM

HEYWOODS

LONDON OFFICE
 39, VICTORIA ST. WESTMINSTER S.W.

TELEGRAPHIC ADDRESS: GLAZING HUDDERSFIELD. TELEPHONE NO. 254 HUDDERSFIELD.

GLASS LEAD GLASS BAR

COMBINATION SYSTEM

No OUTSIDE FASTENINGS to break off.

SMALL FULL-SIZE Steel BAR SECTION Galvanized

Asbestos Packing

GLAZING

ADOPTED BY ALL the LEADING ARCHITECTS & ENGINEERS THROUGHOUT THE BRITISH ISLES.

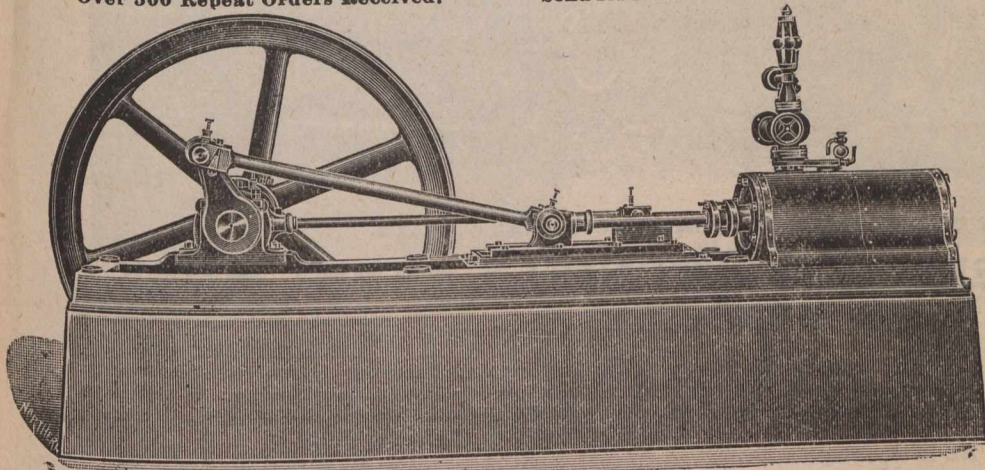
W.H. HEYWOOD & CO. Glazing & Roofing Engineers, HUDDERSFIELD, ENGLAND.

Telegraphic Address: "CLABOUR," Guiseley, Eng. Nat. Tel. No. 7, Guiseley, Eng

Improved Horizontal Engines.

Gold Medal Awarded. Over 500 Repeat Orders Received.

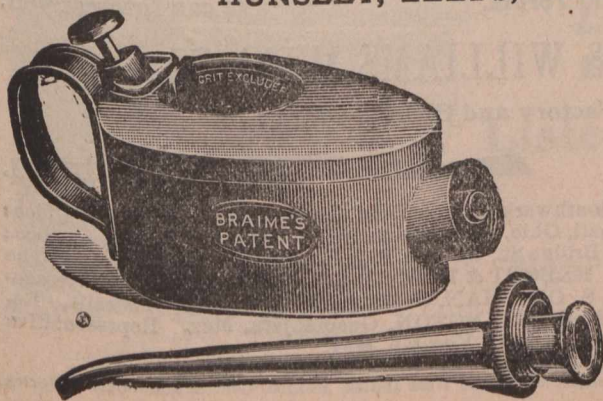
Stock sizes 2 to 30 H. P. in Progress. Send for List of References from 200 Firms.



J. B. CLABOUR, Engine Works, GUISELEY, Near LEEDS, ENGLAND.
 Shippers and Merchants Supplied. Best Value in the Trade.

T. F. Braime & Co., Ltd.,

Goodman Street
 HUNSLET, LEEDS, ENGLAND.



Manufacturers of every description of OIL CANS, OIL FEEDERS for all purposes, in Seamless Steel, Copper, Brass, largest makers in the U. K. Shippers to all parts of the world. Sole Contractors for PATENT STEEL OIL CAN to the Admiralty, from 1893 to 1902 inclusive. Over 100,000 Steel Oil Feeders and Lamps supplied to this dept. alone. Special terms to Canadian buyers. Illustrated Price Lists on application.



D. M. LONG,

Carpenter

—AND—

Builder,

104 Cathedral St.,
 MONTREAL.

Estimates

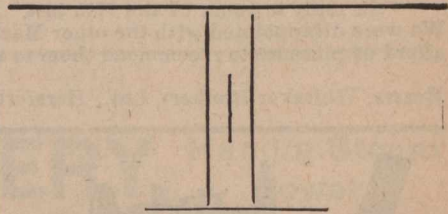
Given for Buildings of every Description, including Dwellings, Stores, and Hotel and Bar-room Fixtures.

Tel. Main 3556.



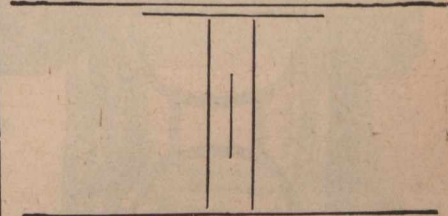
... THE ...

JOURNAL OF
COMMERCE



BOOK & JOB DEPARTMENT.

Send for Estimates.



171 St. James Street,

— MONTREAL. —

WHITAKER BROTHERS, LTD.,**HORSFORTH,
LEEDS, ENG.**

Proprietors and Sole Makers of T. Whitaker's

PATENT STEAM CRANE NAVVIES.

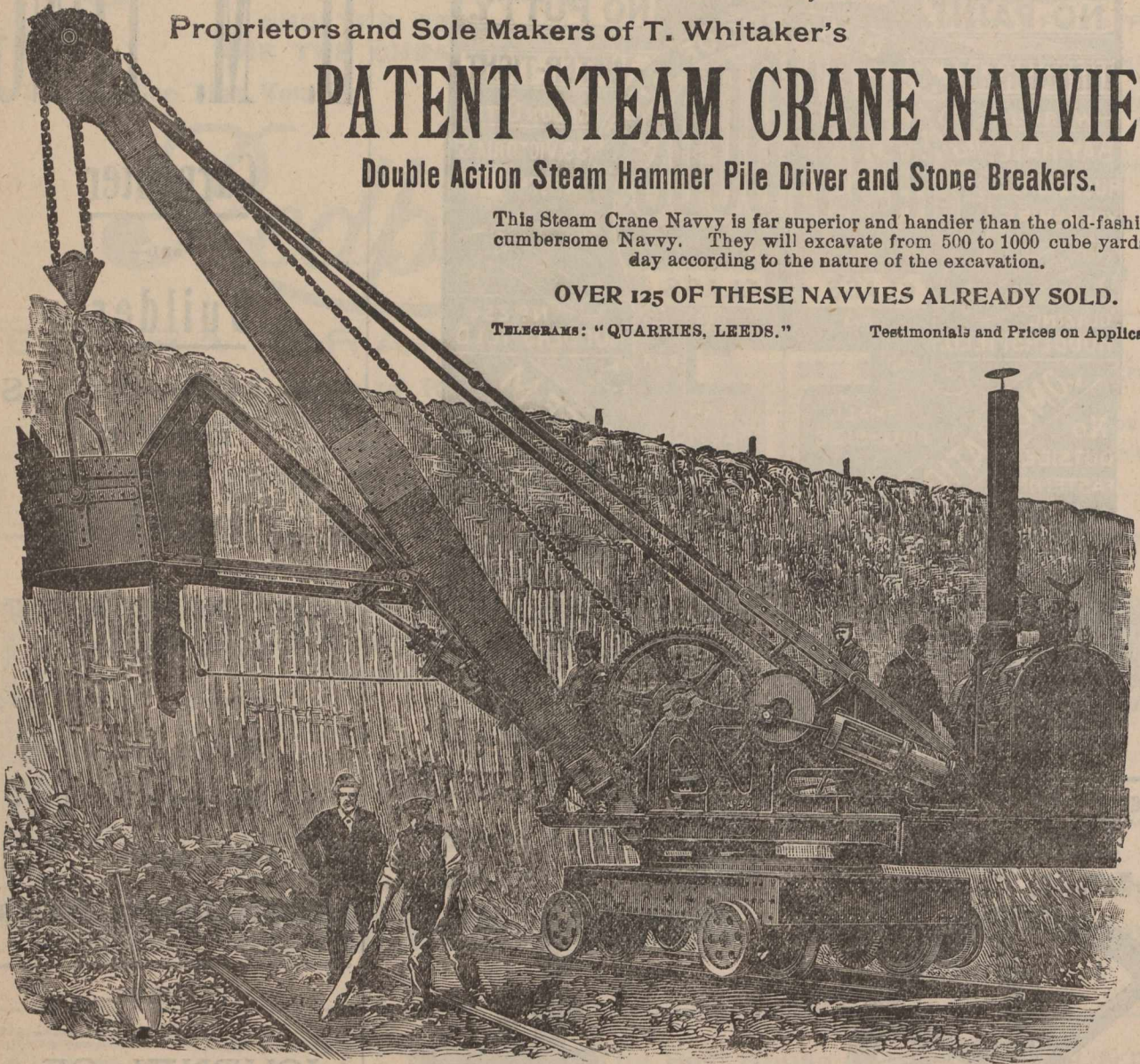
Double Action Steam Hammer Pile Driver and Stone Breakers.

This Steam Crane Navvy is far superior and handier than the old-fashioned cumbersome Navvy. They will excavate from 500 to 1000 cube yards per day according to the nature of the excavation.

OVER 125 OF THESE NAVVIES ALREADY SOLD.

TELEGRAMS: "QUARRIES, LEEDS."

Testimonials and Prices on Application.



AS AT WORK ON THE MARSH LANE TUNNEL CONTRACT, LEEDS.

LOOK FOR DIFFERENT TESTIMONIALS EVERY WEEK.

GRIMSBY NEW DOCKS.

GENTLEMEN,—

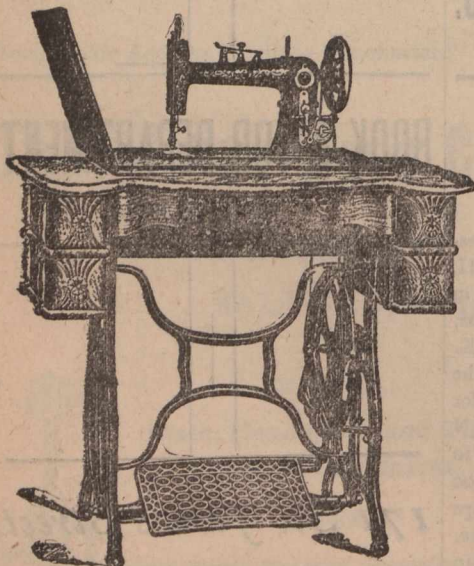
In reply to yours of the 17th inst. We are very well pleased with your Steam Navvy, and also our friends the Engineers. We were disappointed with the other Machines from other makers. We shall always use them wherever we can. It will also afford us pleasure to recommend them to any of our connection. It has been used for very heavy Clay and Silt work.

Messrs. Whitaker Brothers, Ltd., Horsforth, Nr. Leeds, Eng.

FEBRUARY 20TH, 1900.

We are, Gentlemen, Yours faithfully,

H. B. & A. F. JAMES.



We make High Grade Family

SEWING MACHINES

For the Merchant's Trade

Write us for Prices and Terms.

We can Interest you.

FOLEY & WILLIAMS M'FG. CO.,

Factory and General Office :

CHICAGO, Illinois.

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

Representatives for the Pacific Coast, Asia and Australia,

The Pacific Hardware & Steel Co., San Francisco, Cal.

Representatives for the West Indies, Mexico, Central and South America.

The New York & Java Trading Co., New York City, N.Y.

Brass Founders, Coppersmiths,
Brass Finishers.

Hartcliffe, Lee & Malkin, Ltd.,

CHAIN MAKERS,

For Driving, Conveying, Elevating, &c.

St. Simon St., SALFORD,
MANCHESTER, Eng.

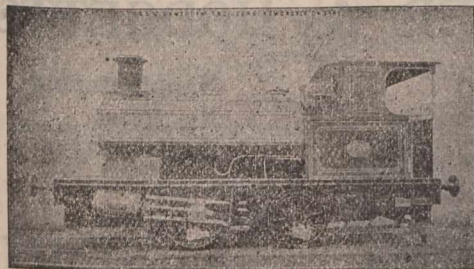
Special quotations under the New
Preferential Tariff.

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

NEWCASTLE-ON-TYNE, ENGLAND.

Manufacturers of

LOCOMOTIVES OF EVERY DESCRIPTION

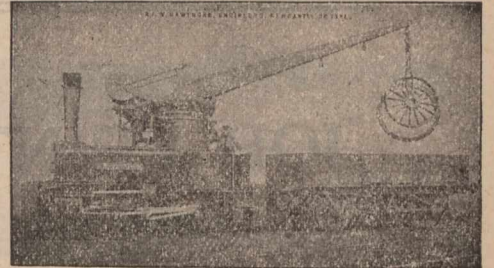


PHOTOGRAPHS and
SPECIFICATIONS
ON APPLICATION.

Standard Classes in Pro-
gress and in Stock.

o o

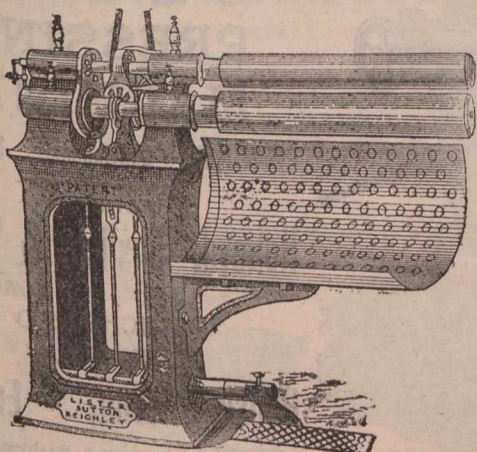
Special prices to Canadians under
the New Tariff.



SPECIALITIES. Combined Crane and Locomo-
tive, Standard Tank Engines, 4 and 8 wheel coupled.

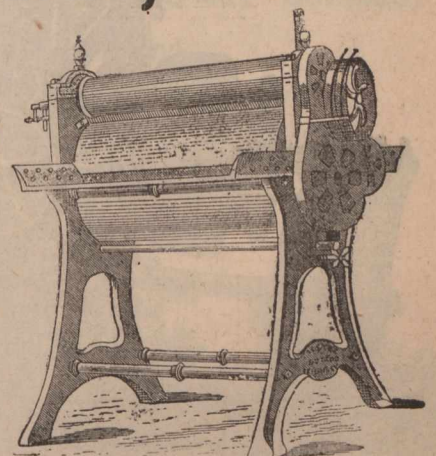
ENQUIRIES cordially invited which will have prompt and
careful attention.

High Class **LAUNDRY MACHINERY,** Hand or Steam
Modern Power.



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.



Manufactured for Canadians 33 1/3 per cent. cheaper than any other country, under the New Tariff.

EVERYTHING

In the line of ...

JOB PRINTING

executed promptly at the office of the

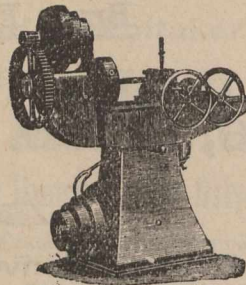
JOURNAL OF COMMERCE
171 St. James St., Montreal.

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

WILLIAM HEAP & Co., LTD.

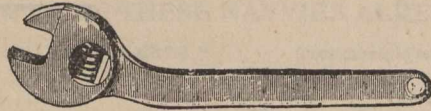
Oldham Road Engineers' Tool Works,
ASHTON-UNDER-LYNE, ENGLAND.

Engineers' and General Tool Makers.

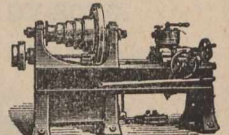


SCREWING MACHINE.

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



CLYBURN SPANNER.



CAPSTAN LATHE.

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

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

Telegrams : "WALKER-HODGETTS, SALFORD."

"WALKER-HODGETTS

*Multipolar
Dynamos -*

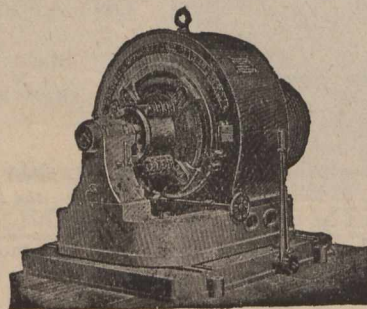
WALKER & HODGETTS, LIMITED,

Manufacturing Electrical Engineers,

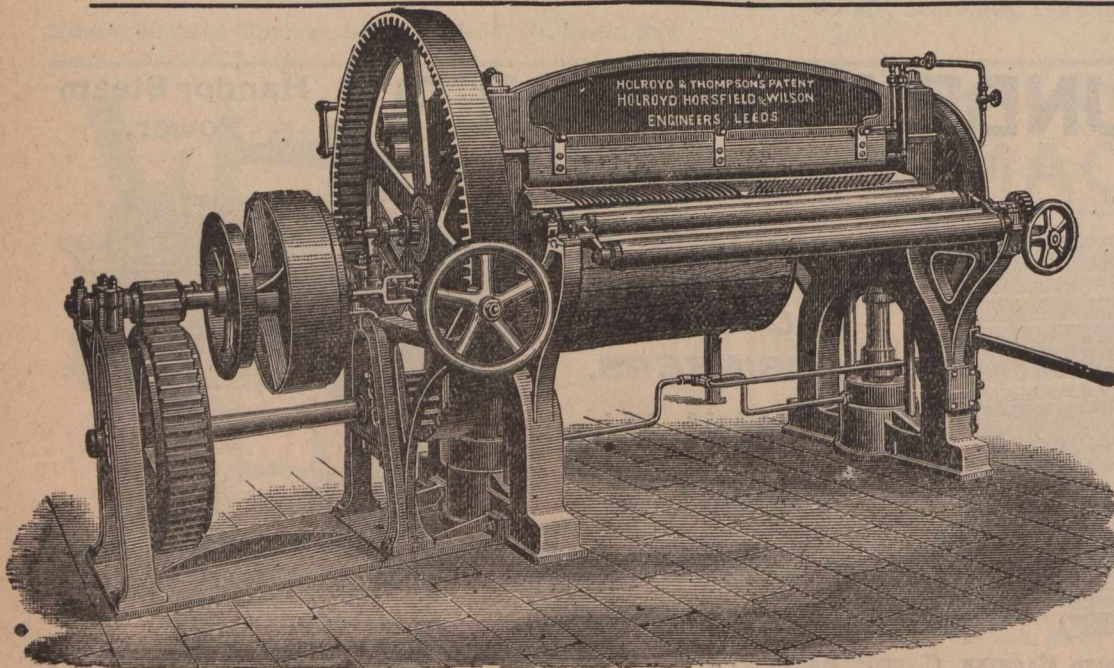
St. Simon's Electrical Works

SALFORD

Manchester, England.



Special prices to Canadians under the New Tariff.



Holroyd & Thompson's

PATENT

CLOTH PRESSING MACHINE.

Cylindrical. Continuous. Hydraulic.

MAKERS :

Holroyd, Horsfield & Wilson LIMITED,

LARCHFIELD FOUNDRY,

Hunslet, Leeds, - England

NOTE.—Buy British Machines, 33% cent. in favor of British manufactures under the new preferential tariff with Canada.

CONTRACTORS TO HIS MAJESTY'S GOVERNMENT.

**SHARP,
WORSNOP
& CO., Ltd.**

Telegraphic Address:
"SHARP, WORSNOP, WYKE."

Aniline Color Manufacturers,
Flash Pond Chemical and Explosive Works.

Latest Makers of Pure
Picric Acid and Pic-
rate of Ammonia. . . .

WYKE, nr. Bradford, Eng.

MANUFACTURERS OF

Chemicals.

Picrate of Ammonia
Spirits Salts
D. O. Vitriol
Nitrate Iron
Special Iron
Muriate Tin
Nitric Acid
Blue Spirits
Scarlet Spirits
Finishing Spirits

Ammonia
Crystals
Copperas
Palm Oil Soap
White Soap

Colors.

Picric Acid
Bismarck Brown
Chrysoidine
Magenta Crystals

Magenta (Acid)
Scarlet
Acid Red
Orange
Acid Yellow
Soluble Blues
Green
Violet

Extracts.

Logwood Extract

Fustic Extract
Myrabolam Extract
Indigo Extract

Dyewoods.

Logwood
Fustic
Barwood
Peachwood
Camwood
Ground Myrabolams

Telegrams: "MILLS," STOCKPORT.

JAMES E. MILLS,

Heapriding Hat Works,

STOCKPORT, ENGLAND.

And at 27 Milton Street,
LONDON, E. C., ENG.

Wholesale Manufacturer of

**Soft, Stiff and Flexible
Fur Felt Hats.**

Specialities in EXTRA LIGHT HATS for the Colonial Markets.

Special attention paid to Packing of Goods for Export.

Made for the Canadian trade under the New Preferential Tariff.

Richard Robinson,

BRASS and IRON FOUNDER,

Manufacturer of all kinds of
Extra Strong Gun Metal

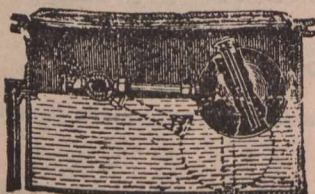
Steam Fittings,

ENGINEERS' AND MILLWRIGHTS' BRASS WORK.

WILLIAM ROBINSON'S Patent Improved

Syphon Box or Steam Trap

Over 50,000 have been sold.



Manor Street Works,

GUIDE BRIDGE,

Nr. MANCHESTER, England.

Hartley, Baxter & Co.

LIMITED.

Electro-Plate and Cutlery Manufacturers.



C 120—Ivory.



C 122—Xylonite.

Tenter Street, - - SHEFFIELD, England

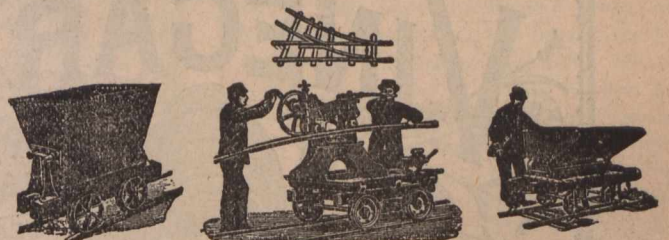
Catalogue on Application.

Charles Wood, Limited,

Tees Railway and . .
Engineering Works,

Middlesbrough,

England.



Manufacturers of . . .

Coal Mining Plants and Tipping
Wagons of all Descriptions with
Rails.

Leading Manufacturers &c.

D. MORRICE, SONS & CO.

MONTREAL and TORONTO.

Manufacturers' Agents and
General Merchants,

The Canadian Colored Cotton Mills Co.,
Montreal,

MILLS AT

Cornwall, Hamilton, Merritton,
Milltown, Gibson Cotton Mill,
Marysville, Hamilton Cotton Co.

Shirtings, Gingham, Ticks, Cottonades, Oxfords,
Denims, Flannelettes, Yarns, Awings, Dress
Goods, Sheatings, etc.

THE PENMAN MANUFACTURING CO.,
PARIS.

Mills at Paris, Thorold, Port Dover, Coaticook.
Ladies' and Gent's Wool and Cotton Underwear,
Topsirts, Socks, Hosiery, Balbriggans, etc.

THE AUBURN WOOLLEN MAN'FG CO
PETERBOROUGH.

Tweeds, Beavers, etc.

WHOLESALE TRADE ONLY.

The S. & T.

LOOSE LEAF PRICE BOOK

Is the handsomest and most practical LOOSE LEAF BOOK made. Leaves can be taken out or inserted instantly from any part without disturbing the rest of the Book. The cover is flexible and made of red leather or seal. half a dozen sizes, constantly kept in stock.

* MORTON, PHILLIPS & CO., *

Stationers, Blank Book Makers and Printers.
1755 & 1757 Notre Dame St., Montreal.

WANTED TO BUY

An Asbestos Mine. Address with full particulars,
Rochdale,
Care "Journal of Commerce"
Montreal.

Leading Manufacturers, &c.

To **Woolen Manufacturers**

MESSRS. REICHE & Co.

Wool, Tops, Noils, Yarns, &c.

BRADFORD, Eng.

Represented in Canada by

JAS. A. CANTLIE,

22 St. JOHN STREET, - - MONTREAL.

Samples and lowest quotations promptly supplied : Correspondence Solicited.

THE CANADIAN . . .
JOURNAL of COMMERCE

Do you want any Printing this week? Our Job Department has every facility for turning out work promptly. Telephone, Main 238.

171 ST. JAMES STREET,
MONTREAL.

S. & H. BORBRIDGE

OTTAWA ONT.

186 Sparks St.

88-94 Rideau St.

15-23 Mosgrove St.

Wholesale Branch at BRANDON, Man.

Wholesale

Leather

&

Saddlery-

Hardware

Wholesale

Robes

&

Fur-coats.

Manufacturers of all kinds of

HARNESS, SADDLERY, HORSE-BLANKETS:

KIT-BAGS, TRUNKS, BAGS, VALISE :

MOCCASINS, Etc.



Special Prices to Canadians under the New Canadian Tariff

52525252 5252525252 52525252

MONTREAL
MERCHANTS AND MANUFACTURERS.

Awnings, Tents Taraulins, Flags, Etc.

Thos. Sonne.....193 Commissioners St.

Carpet Beating.

The City Carpet Beating Co.,
11 Hermine St. H. N. Tabb, Mgr.

Dry Goods, Wholesale.

Alphonse Racine & Co. 340 & 342 St. Paul St

52525252 5252525252 52525252

Canadian Colored Cotton Mills Company.

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

Wholesale/Trade only Supplied.

D. MORRICE SONS & CO.,
AGENTS,
Montreal and Toronto.

BANK PRINTING.

Journal of Commerce,

Tel. Main 238.

171 St. James Street.

STORAGE
(FREE OR IN BOND)

J. A. FINLAYSON,
CUSTOMS BROKER,

418 to 417 St. Paul Street, Montreal

Bell Telephone Main 1898 P. O. Box 684.

GEO. GONTHIER,

Accountant & Auditor.
Bell Tel.:—Main 2113.
SOLE REPRESENTATIVE FOR THE PROVINCE OF
QUEBEC OF
The Account, Audit & Assurance Co., Lt
OF NEW YORK.
11 & 17 Place d'Armes Hill, MONTREAL, QUE.

THE IMPROVED

Lancashire Steel Potato Peeler.

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



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

Sole Makers,

R. E. COLLINGWOOD, - Rochdale, Eng.
Special prices to Canadians under the New Tariff.

Telegrams: "UNITY, PADIHAM."

The Unity Wood & Iron Co.

MACHINISTS, IRON and BRASS FOUNDERS,

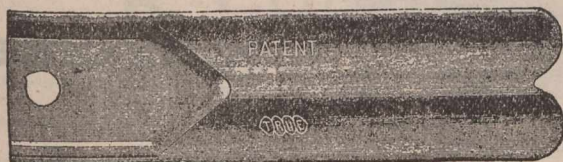
Patent Temple Makers and Patentees,

Guy Foundry, Padiham, Lancashire, England.

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

PATENT "TRUE" TEMPLE.

With Steel Cap and Patent Adjustable Roller Bearers.



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

Station Works,

Padiham, England.

Slater's Patent "RELIABLE" Draught

Dust



& Rain

Stopper

For the Bottom of Doors.

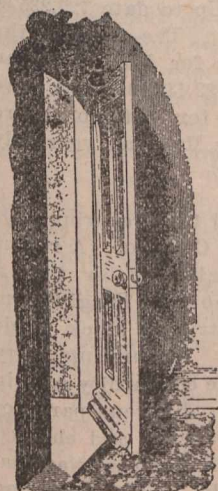
Stock Two sizes, and you can suit ANY WIDTH of Door. Cut in Two Minutes to any length.

Also THE CHEAP
"CHAMPION"

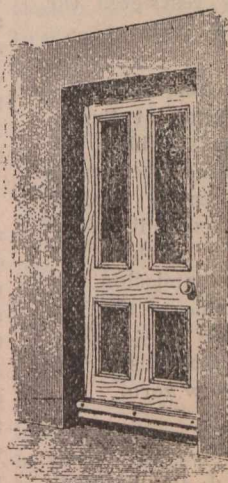
Easy to Fix. Easy to Remove.
Lowest Price. Quickest Sale.

The Cheapest Draught, &c., Preventer Obtainable.

BEST DISCOUNT TO THE TRADE.



Door with Preventer, OPEN.



Door with Preventer, SHUT.

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

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 Canadian Tubular Steamship Oil Transportation Company, has been incorporated in New Jersey, U.S., to purchase the patents of the Knapp roller boat.

The Canadian Pacific Telegraph announce reductions in cable rates from Montreal to the following places, via Commercial Cable Company, taking effect immediately: Fiji Islands, from \$1.64 to \$1.13 a word; New Caledonia, from \$1.66 to \$1.15; New Zealand, from \$1.52 to \$1.07; Norfolk Island, from \$1.54 to \$1.03.

Halifax, N.S., advices report that so far the catch of mackerel along the Cape Breton coast exceeds the catch for any season during the past 15 years. From Green Island to Fourchie the fishermen report that they take as many as they can conveniently handle. Although the season has practically only commenced, the catch thus far exceeds the total catch of the past three years.

The contract for the steel bridge to be built over the Fraser River, at New Westminster, B.C., has been given to the Dominion Bridge Company, Montreal. It will be a double bridge, as there will be a railway (Great Northern) bridge, a general traffic bridge, one above the other, with the one for traffic uppermost. There will be six spans and a swing. The span on the Westminister side will be 380 feet in length. Besides that there will be six other fixed spans, each 150 feet long. The swing is to be 300 feet in length. The value of the contract is about \$735,000.

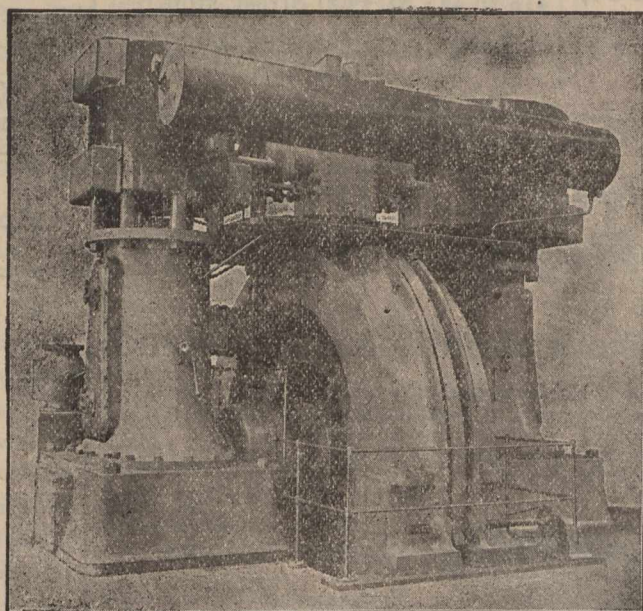
FERRANTI

LIMITED.

Electrical & General Engineers,

Ferranti

Single
and
Multiphase
Alternators.



1,200-Kilowatt Ferranti Engine and Alternator.

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

HOLLINWOOD, LANCASHIRE, = Eng.

—One of the towers of the Marconi station at Glace Bay, N.S., is completed, and the others will be finished in two or three weeks' time. It will be some time later than at first expected before the apparatus will be all installed, and the station ready for experimental work.

—The Department of the Interior, says a Christiania dispatch, has taken the police to task for permitting Canadian emigration agents to ship a large number of emigrants out of the country without requiring money securities for the fulfilment of contracts with the outgoing individuals and families. K. W. C. Steen, Minister of the Interior, says that the vigilance of the police of Sweden and Denmark has prevented many impositions on emigrants from these countries, and greatly restricted the emigration of Swedes and Danes to Canada.

—One of the most interesting demonstrations of the International Aeronautic Commission, in session at Berlin, Germany, recently, was Professor Ossmann's rubber balloons, with automatic registers, for recording phenomena in the highest altitudes, where they finally explode through gas pressure, and a parachute, by expanding safely lands the apparatus. The professor sent up three balloons on May 22, in the presence of the commission, the apparatus of two of which was found. One of the balloons registered an altitude of 20,000 metres (12½ miles), the highest ever attained by a human apparatus. The temperature was 80 degrees Fahrenheit below zero.

—It is reported at St. Paul, Minn., that the Great Northern Steamship Company, of which James J. Hill is president, has decided to build three more ships for the Oriental trade, between Seattle and China. The company now has two ships under construction, and it is intended to launch them during June or July and have them in commission before the winter season opens. These two ships have a displacement of 40,000 tons each, and the following

dimensions: Length, 630 feet; beam, 73½ feet, and depth of hold, 56 feet. The three additional vessels are to be built along the same general lines and dimensions as the two now on the ways. It is expected to have them ready for service early next spring.

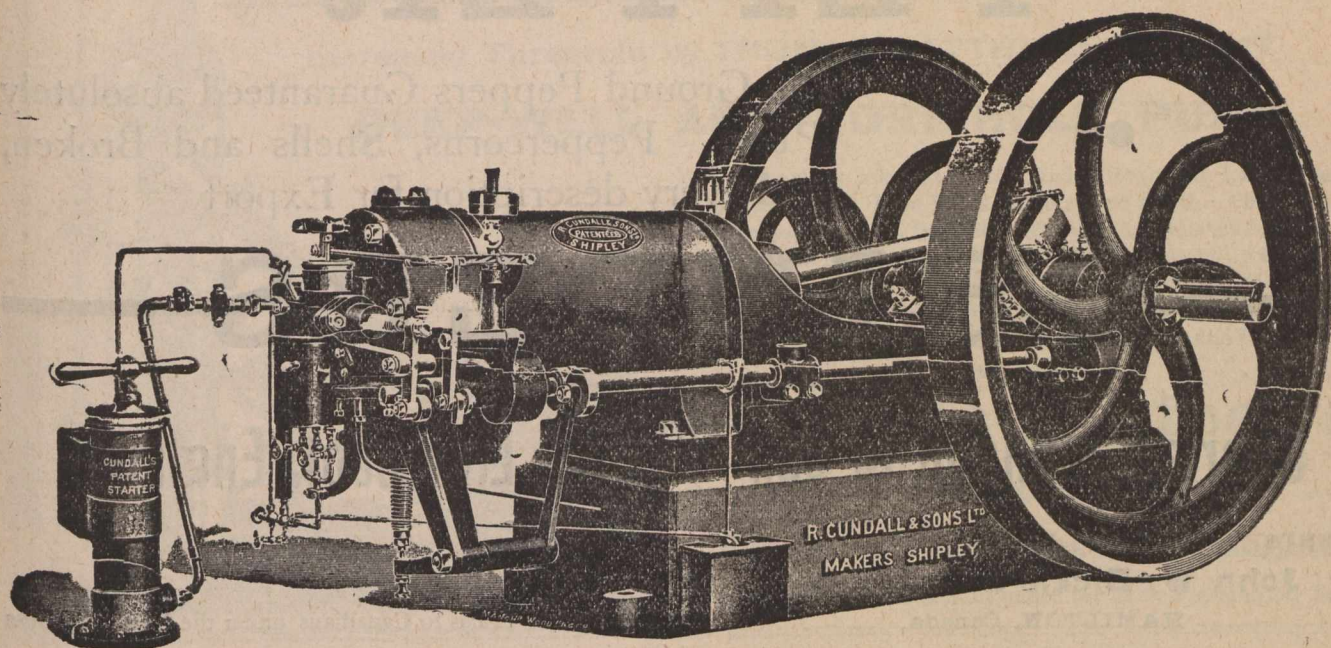
—The amount of land sold by the Canadian Pacific Railway, Winnipeg, Land Department during May this year is equal to almost a half of the year's total sales for the first four months. The amount of money received is also almost equal to half of that received for land during the first five months. Compared with the sales for May, 1901, last month's sales are over five times as great, the figures being: May, 1902, 207,153.05 acres, for \$736,021.45. May, 1901, 40,489.90 acres, for \$129,614.69. Up to date 727,235.80 acres have been sold for \$2,368,863.96. The sales of the Canada North-West Land Company for May make an equally good showing. Up to date 83,437.16 acres have been sold for \$423,686.59. The figures for last month are 32,601.04 acres for \$167,629.48. During May last year only 9,599.41 acres were sold for \$53,030.12.

—Not the advanced price of meat but the procuring of it at any cost, seems to be the trouble in Chicago. A recent dispatch reads: Chicago began to realize to-day that a meat famine is imminent. Butchers who have bought from the packers who are fighting the striking stock yards teamsters have lost their ice supply. Restaurants were in straits to procure choice meats. The commodity rose in price, and many shops shut down in different parts of the city. Holiday crowds blocked waggons and cheered the strikers. The president of the Teamsters' National union declared that the strike would be backed by union labor and won if it took five years. Butchers have practically abandoned the hauling of meat from the yards. Meat is now delivered to hotels and restaurants by armed drivers. This is one of the results of attacks made on teamsters in the employ of a firm which has equipped its drivers with revolvers.

Contractors to H. M. Government.

Telegrams: "CUNDALL, SHIPLEY."

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



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

R. CUNDALL & SONS, Limited

SHIPLEY, ENGLAND.

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

—The old method of passing off counterfeit bills through small purchases was tried in Toronto recently. A man who apparently has been consistently passing counterfeit money, says the Mail, was caught in a grocery store last evening. The prisoner entered the store and made a small purchase, in payment of which, it is alleged, he tendered a bogus bill of \$5 denomination. The storekeeper spotted the counterfeit and lost no time in securing a policeman. There are two peculiar features in connection with the case. Another grocer, when counting up his cash last night, discovered a bogus \$5 bill in his cash drawer. He says it was given him by a man early in the evening. The second feature is that when this operator was arrested, he had in his pocket \$250.79, most of which was done up in "wads" of \$4.90 each. This would seem to indicate that his game was to make small purchases at different stores, tendering in payment a \$5 bill, bogus or otherwise.

—The proverbial shrewdness of the Jewish people is scarcely compatible with the following item which we find in a Toronto paper: The Jews who contributed the funds raised to send the boy, Solomon Schnurr, back to Austria, where it was said his family was in jail on a charge of murdering him, are beginning to think that they have been victimised. The story about the murder charge appeared in some of the Jewish papers in the form of a letter said to have been received from some of the imprisoned relatives, asking that the boy be sent back, as that was the only proof of the family's innocence that the Austrian Government would accept. Sympathetic Jews at once began an agitation to send the boy to Austria. A meeting was held in an East Side synagogue, at which \$300 was raised to pay the boy's expenses. This was increased by subscriptions gathered in the stores and even in the tenements. The boy, it was said, sailed three weeks ago. A letter has been received from S. S. Fuchs, editor of the Austrian paper, stating that the whole tale was a piece of the grossest deception from beginning to end.

—With the coal strike ended and the following, which we find in the Mail and Empire, once in use, we can cheer-

fully defy anything less than a volcanic eruption: The possibility of keeping living rooms at a temperature of 70 to 72 degrees in the hottest weather, which means practically an end to summer suffering from heat, is held out by Prof. Willis L. Moore, chief of the Weather Bureau, who has filed application for a patent on what he calls a gravity air-cooling, dry, and purifying machine. The new apparatus is the result of several years of study and experiment. Prof. Moore believes the invention to be of immense scientific and practical value. The cost of the machine will be so small that it will be within the reach of nearly all, so that the horrors of sweltering in stuffy rooms of the city during midsummer promises to be materially lessened. Prof. Moore said the other day: "I believe that my machine solves the problem of a cheap, harmless, and automatically-working pumping apparatus for cooling rooms. It is so simple that anyone can manipulate it; it can be removed from room to room; it is absolutely safe, and, above all, can be constructed so cheaply that it will be within the means of practically everyone to obtain. There will be no trouble in keeping a room at a temperature of between 70 and 72, no matter how hot it may be under normal conditions."

—While Canada is making special efforts this year to secure emigrants from the United Kingdom, says an Ottawa letter, she is making equally strenuous efforts for the extension of markets for her products. Professor James W. Robertson, commissioner of agriculture and dairying, has just finished a tour of the Old Country. As the latest result of Government efforts for the extension of Canadian commercial international relations, the Dominion Government has made arrangements with the five large Canadian lines—Allan, Elder-Dempster, Thomson, Donaldson and Manchester—for the installation of an entirely new system of cold storage on their steamers. A new steamship service is being opened up between Prince Edward Island and Manchester direct, and from this connection great results are anticipated. Than the food commodities produced by Prince Edward Island there is nothing better of the kind in the markets of the world. As a distributing centre for an enormous population, earning good wages and purchas-

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.

AGENTS

John W. Bickle & Greening,
HAMILTON, Canada.

Special Prices to Canadians under the New Tariff

JAMES NORTH & SONS,

Chamois and Gloves

... AND ...

Athletic Goods Manufacturers.

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

CASH BAGS,

DRESSERS AND MANUFACTURERS.

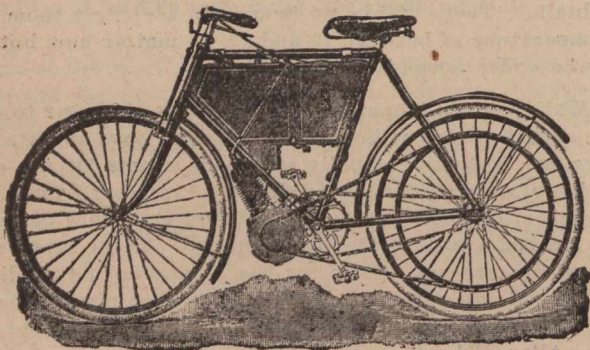
Godley Mills,
and Tower Street Works,

HYDE, Manchester, Eng.

ESTABLISHED 1857.

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.

ing all they consume, Manchester, with her modern shipping facilities, offers a magnificent market for Canadian food products. At the present time, Mr. W. A. McKinnon, chief of the fruit division of the Department of Agriculture, is in Manchester, and there he will remain through the summer to find out what is best suited for that market and how Canadian agriculturists can best present it to the trade in Manchester. Nine inspectors are charged with the enforcement of the new Fruit Marks' Act, and it is the intention of the Government to insure that the high standard of Canadian products is maintained in British markets. At each of the ports of London, Liverpool, Manchester, Bristol and Glas-

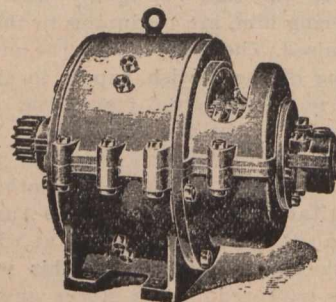
ALFRED SYKES,

ELECTRICAL ENGINEER,

Spring Place Works,

Huddersfield,

ENGLAND.



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

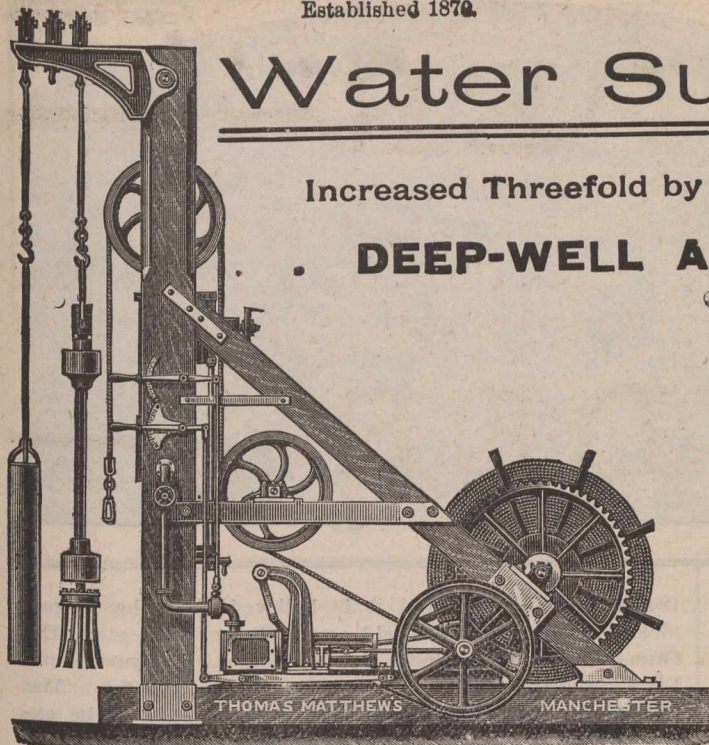
Established 1870.

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.

Now the Canadian Government now has a responsible officer to watch how all Canadian products are handled on their discharge from the ship, and the condition in which they are landed. This first-hand information is conveyed to the Government, by report from these officers, and will be used by the Department of Agriculture in an education-campaign among the farmers.

—Messrs. David Brown, W. L. Murdock, R. N. Adams, J. E. Whalen, M. N. Hunt, John R. Scott, and R. G. Ferguson, all of Sault Ste. Marie, Mich., have been incorporated as The Copper Queen Mining Company, Limited, with a share capital of three million dollars. — Messrs. J. J. Palmer, J. T. Johnston, E. T. Malone, Albert Mearns, F. L. Whatley, of Toronto, have been incorporated as the Canadian-American Linotype Corporation, Limited, with a share capital of \$500,000.—Messrs. M. W. Beach, and W. L. Redmond, of Iroquois; W. H. Meldrum, Peterborough; Irwin Hilliard, Morrisburg; and D. A. King, Winchester; have been incorporated as the St. Lawrence River Electric

Company, Limited, with a share capital of \$250,000. — Messrs. Wm. J. McIntosh, J. A. McIntosh, H. Stutchbury, D. Urquhart, of Toronto; and Mrs. Martha McGillivray, of London, have been incorporated as the Canada Crude Oil Producers, Limited, with a share capital of \$100,000, and a head office at Toronto.—Messrs. Peleg Howland, G. W. Howland, and Miss Lydia Howland, of Toronto; Messrs. W. P. Howland and T. S. Howland, of Kleinburg, and Mr. H. S. Howland, of New York, have been incorporated as H. S. Howland, Sons & Co., Limited, to take over the business conducted by the firm of the same name, and also the Graham Nail Works. The share capital is \$300,000.—Messrs. Percy Love, E. C. Catanach, C. A. Moss, E. C. Da Costa, and J. A. Thompson have been incorporated as the Ontario Poultry Produce Company.—Other companies incorporated are the Oshawa Athletic Association, Limited, the Imperial Veneer Company, Limited, Toronto; the Canadian Conservatory of Music, Ottawa; the Canadian-Buffalo Forge Company, Limited, Toronto; the Niagara Falls Machine and Foundry Company, Limited; the St. Thomas Acetylene Manufacturing Co., Limited; the Burrill and Deacon Co., Limited, Stratford; the Doctor Gordon Medicine Co., Limited.—Under the Extra Provincial Companies' Act the Government has licensed the Canadian Oil Fields, Limited, a British corporation, and the Syndicate, No. 1, Limited, also a British concern, to do business in Ontario.

The Liverpool and Bankhall Chemical Company's



The best and most effectual remedy for

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

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

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

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

SOLE MAKERS:

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

SLADE & Co., Ltd.

THE ROYAL
TOFFY WORKS,

LEEDS, - ENGLAND.

Manufacturers of
the finest

HOME
MADE
TOFFY.

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

**Hanson,
Scott & Co.,
Limited.**

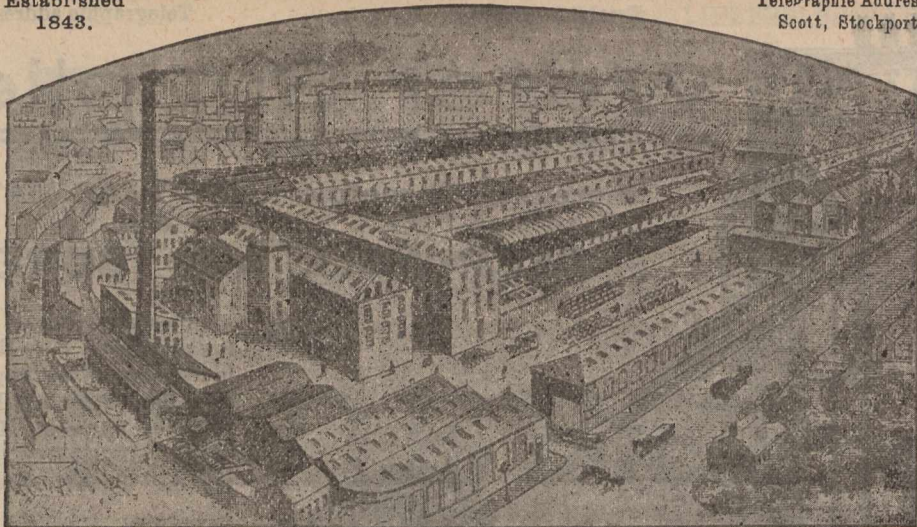
HEMP, FLAX AND
JUTE SPINNERS,

Manufacturers of Hemp and Cotton
Twines.

STOCKPORT, - ENGLAND.

Established
1843.

Telegraphic Address
Scott, Stockport."



—The Sault Ste. Marie, says the New York Journal of Commerce, in a recent editorial, is destined to be one of the great manufacturing centres of the country. Electricity produced by water power is cheaply obtained at Massena and Niagara in this State and at the St. Mary's River on both sides of the national boundary, and at the last point there seems to be no limit to the utilization of water. A third great power canal is about to be constructed to use the water of Lake Superior, and it will increase the horse power controlled by the local syndicate to 110,000. The prime object of this canal is to provide a metallurgical plant. There is great confidence that the mineral wealth of the Dominion north of Lake Superior and between there and Hudson's Bay is enormous, and steps have already been undertaken to make this region accessible by railroads. The vast water power plants constructed and in process of construction at the Falls of the St. Mary's River are designed largely to work up the pulp woods of the territory to the north, but also to reduce the ores which are known to be abundant. At the projected works ores of copper, zinc and the precious metals will be

treated electrically, and it is believed that the largest nickel deposits in the world are in the same region. The Canadian Northern road stretches northwestward from Lake Superior and will finally reach the Pacific. The Manitoulin & North Shore Railway is at once to be extended and will ultimately connect the Canadian Northern with the Canada Atlantic east of Lake Huron.

**SASH —
WEIGHTS**



Manufactured for the Canadian Market
under the New Tariff, by

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

ESTABLISHED 1869.

**Bottled Beer and Stout
FOR EXPORT.**



The "Compass" Brand

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

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

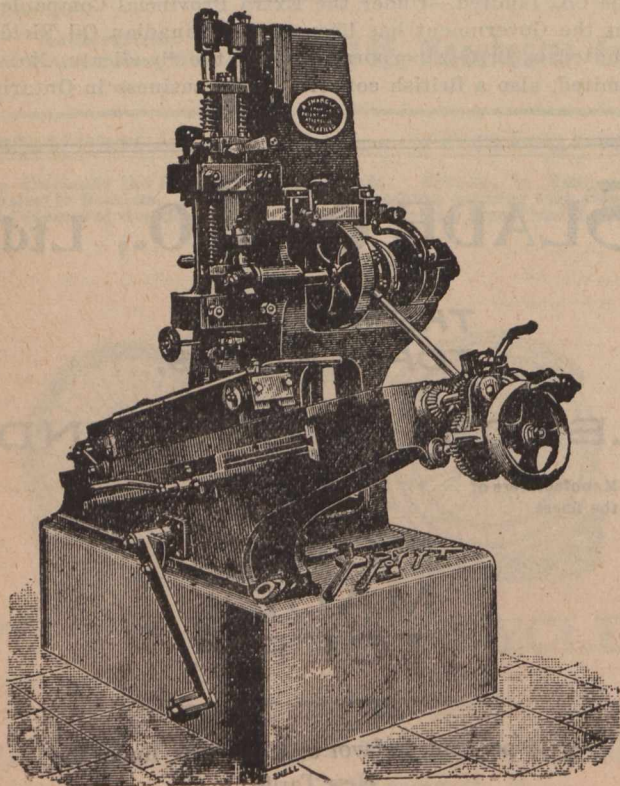
**W. E. JOHNSON & CO.,
67-69 Leeds St., LIVERPOOL, Eng.**

Ambrose Shardlow & Co., Ltd.,

Ealing Works, **ATTERCLIFFE, Sheffield, Eng.**

Patent Improved File-Cutting Machines.

NEW TYPE.



Fulled Raw Hide Belting AND Laces.

Every Description of LEATHER for Mechanical Purposes.

Edward Fairburn & Sons,

Caldervale Mills,
BRIGHOUSE, Eng.

Special Terms to Canadians under the New Canadian Tariff.

—Referring to the war's effect on the regular increase of population in Great Britain, a London cable states: The return of the Registrar-General of births, marriages, and deaths for the year 1900, the first complete year since the war broke out, shows a decline in marriages and births, and an increase in deaths. The marriage rate was 16 per 1,000 compared with 16.4 in 1898-1899. The births in 1900 numbered 927,062, or a rate of 28.7 per 1,000, the lowest record, and 1.3 per cent. below the mean rate for the last ten years. The illegitimate birth rate was 1.1 per 1,000, which is the lowest record. The deaths numbered 587,830, or 18.2 per 1,000, as against 17.174 and 17.5 in the previous three years. Of the deaths 3,683 were immediately due to alcoholism or delirium tremens. The death rate from alcoholism was 132 males and 95 females per 1,000,000. Both these rates were the highest on record. The deaths from tubercular diseases were 10.4 per centum of the deaths from all causes, aggregating 61,302. The strength of the army at home and abroad was 383,037. The deaths were 10,554, giving a rate of 27.6 per 1,000, as compared with 10, 12, and 10.5 in the preceding three years. The mortality in the army abroad was 36.1 per cent. per 1,000, as compared with an average of 14.5 in the preceding five years. The death rate at home was 8.2, as compared with an average of 4.3 in the preceding five years.

—"Wild-cat" insurance will be one of the subjects discussed at the convention of the National Association of Insurance Commissioners at Columbus, Ohio, this fall. Auditor Hart of Indiana, who is president of the organization, has carefully studied the question of unauthorised and wild-cat insurance and believes that with the co-operation of the officials of the various States it may be reduced to

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

LOW
HALL
MILLS.



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

Card Clothing
of all Kinds.

CHROME and Oak Tanned
Picking Bands....

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

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

MANUFACTURERS of every DESCRIPTION of

Hydraulic & Electric Machinery.

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

Telegraphic Address: "Muskers, Liverpool."

Established 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:—"WENHAM, MANCHESTER."

MERCIER'S PATENT MINING BELLS AND KEYS

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

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

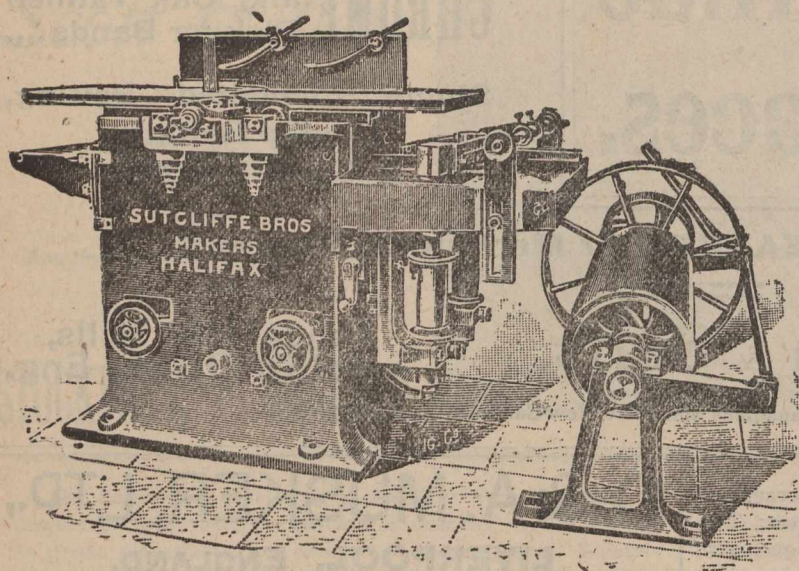
MERCIER'S PATENTS, Limited,

Greengate Electric Works,
Collier Street,

GREENGATE, - Manchester, Eng.

(Cut will be inserted as soon as received.)

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



Combined 3-Sided and Planing out of Twist Machine.

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

Special prices to Canadians under the new Tariff.

Telegrams: "MOTOR, LEYLAND," ENGLAND.

HIGHEST AWARDS.

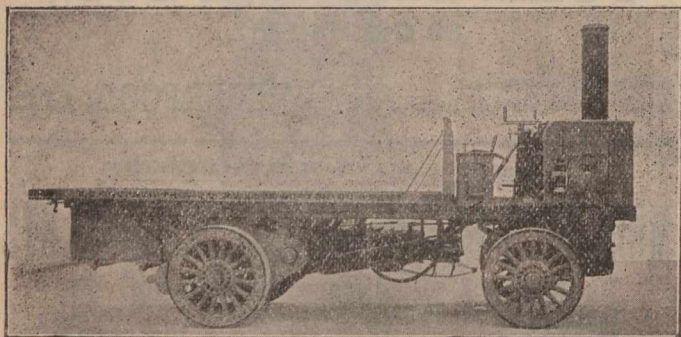
1st Prize, £100, Royal Agricultural Society of England.

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

Gold Medal, Highest Award,

Liverpool 1900.
Etc., Etc., Etc.

STEAM WAGONS.



The Lancashire
Steam Motor Co.,
LEYLAND, ENGLAND.

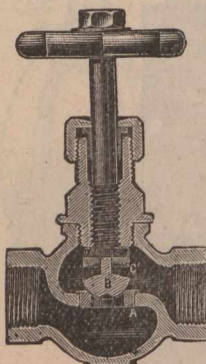
Special prices to Canadians under the new preferential tariff.

a minimum. He is certain that a plan now in preparation by him will put a large number of the wild-cat companies out of business. Chicago is the headquarters of fifty or more so-called "wild-cat" companies. Few, if any, of them are licensed by the Insurance Department of any State. They are organized for the most part in West Virginia under the general laws, with small paid-in capital, generally \$500. When they blossom as full-fledged companies from their Chicago headquarters, the capital is from \$100,000 to \$250,000 on the literature, but the securities shown are many times loaned and never schedule out in event of failure. In two prominent cases not a cent was realised from concerns that advertised upwards of \$100,000 in apparently good securities. The Illinois authorities say they are helpless, as these concerns do no business in the State, but only maintain headquarters there to prey upon the people of surrounding States.

—The United States is using every effort to improve the quality of its dairy products, finding that quality in these is of the greatest importance for export. A Chicago letter of recent date reads: The first exhaustive test ever made of creamery butter taken from all parts of the United States has been finished in Chicago by examiners appointed by the Department of Agriculture and the Na-

The "SHAW" Patent Improved Valve..

FOR STEAM OR WATER



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

The "SHAW" Patent Universal Union Joint

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

JOSEPH SHAW,
HUDDERSFIELD, ENGLAND.

ALBERT WORKS.

Telegrams: "GOVERNOR," Huddersfield.

Supplied under the New Canadian Preferential Tariff.

TASKER, SONS & CO.

Manufacturers of Main Driving Bands

In Leather India-Rubber, Hair and Cotton.

Government Contractors.



THIS IS AN ILLUSTRATION OF BELTING SUPPLIED BY US TO A CONTINENTAL GOVERNMENT.

SHEFFIELD,
32 ANGEL STREET,
England.

Leather Merchants and Mill Strap Manufacturers.

tional Creamery Buttermakers' Association. Samples of butter from 500 buttermakers, representing nineteen States, were examined, and similar tests will be made from now until October, when a report will be submitted. The purpose of the tests is to secure an idea of the quality of the butter put out by makers and the method of manufacture. At the end of the test each buttermaker will hear the results of the examination, as well as suggestions that may assist him in making better quality. W. D. Collyer, United States inspector of Butter Exports, and B. D. White, Field Instructor of the Minnesota Dairy Commission, are in charge of the tests.

—Cabling from Sydney, N.S.W., a correspondent gives an account of the terrible drought, from which, as a climax to seven dry years, Australia is now suffering. The correspondent says that the losses in stock in Australia

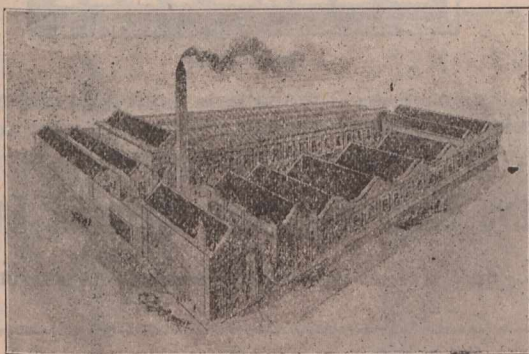
since 1899 amount to £15,000,000 (\$75,000,000). Unemployed men are drifting into the cities by thousands, and there the State Governments are providing them with relief. The only districts that have escaped the drought are the Northern Rivers district of New South Wales and parts of the Riverina district. The federal duties on fodder, it appears, prevent its importation. Communication in the interior has been paralyzed, as the waterways are unnavigable. Owing to the expense of fodder, the firm which has the contract has abandoned the hauling of the mail in Queensland, the cost of this transportation having risen from £6,000 (\$30,000) to £30,000 (\$150,000) annually.

—We learn from Chicago that the consolidation of the First National Bank and the Metropolitan National Bank has been formally approved at meetings held by the stockholders of the two institutions. The transfer of assets has taken place and Chicago will now have open for business its first \$100,000,000 bank. The officers of the First National Bank are now as follows: President, James B. Forgan; vice-presidents, David R. Forgan, George D. Boulton and H. H. Hitchcock; cashier, Richard J. Street.

Established 1861.

.. Bootle Jute Factory Co., Limited ..

SPINNERS AND ... MANUFACTURERS.



JUTE BAGS AND BAGGING.

JUTE SACKING & SHESSIAN'S.

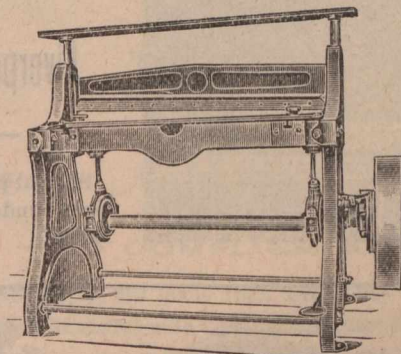
DUNDEE WORKS,

BOOTLE, - Liverpool, Eng.

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

A. Kinghorn & Co.,

Phoenix Ironworks, Millwood, TODMORDEN, ENGLAND.



Single Action Power Squaring Shears.

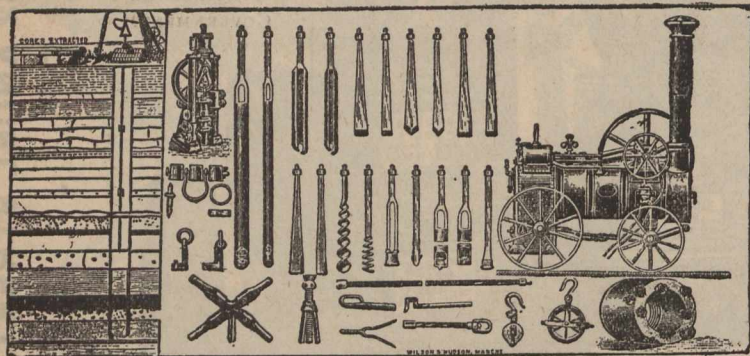
Canadians have 33 1/2 per cent. in their favor by purchasing these Machines, under the New Canadian Tariff.

Contractor to H. M. Government.

Tel. Address, "Thom, Patricroft."

JOHN H. THOM,

Canal Works, Patricroft, near Manchester, England.



Boring for Minerals, Oil,
Brine, Etc.

Artesian Wells put down to any depth

Manufacturer of
all kinds of

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

Special Estimates under the New Canadian Preferential Tariff.

The directors are S. M. Nickerson, J. B. Forgan, D. R. Forgan, E. G. Keith, W. J. Watson, A. C. Bartlett, G. D. Boulton, Norman B. Ream, Geo. T. Smith, S. W. Allerton, Nelson Morris, W. L. Brown, J. H. Barker, D. M. Cummings, J. A. Spoor, E. S. Pike and Otto Young. President E. G. Keith, of the Metropolitan National Bank, has been elected president of the Chicago Tile and Trust Company, and will assume his new duties on July .

—A paper coffin factory, says a Missouri Valley, Ia., letter, which will give employment to a number of skilled workmen, will be established in that city in the near future. Ten thousand dollars' worth of stock of the new concern was placed on the market this week. The entire amount was purchased by local business men the first day. The product of the factory will be known as the Post antiseptic paper casket, which, as the name implies, will be made of pressed paper. Work on the new plant will be begun at once. It used to be "pulp" caskets, adds the Paper Trade Journal, and they were made at Carthage, N.Y. Now it is "paper" caskets, and they are to be made in Iowa. Presumably the organizers of the new

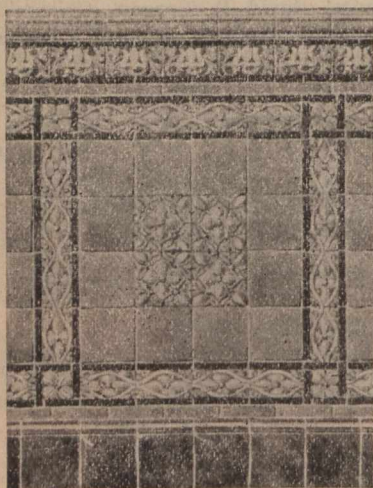
company at the latter place think that they have a "dead sure" thing. It is very certain that anyone using one of their products will never use any other.

—A United States firm has been enquiring through the Bureau of Mines for vanadium ore, for the purpose of exporting it to England. Vanadium is used to make special alloys with steel, to which it gives tensile strength, and ductility. It has not yet been discovered in commercial quantities in Ontario. The principal form in which it has been found on this continent has been in mineral carnottite in Colorado. It is a hydrous vanadate of uranium and potassium. Vanadium is also a constituent of certain kinds of mica, and has been found in Ontario in certain titaniferous magnetites. If any large deposits of it are found there will be a ready market for it.

—In a recent discussion of the navy estimates in the House of Commons, says a London dispatch, the Secretary of the Admiralty, Mr. Arnold-Forster, refuted Sir Charles Dilke's suggestion that the Governments' shipbuilding programme was so small as to create a bad impression

GEORGE SWIFT, Ltd.,

Manufacturers of



Tiles for Floor and Wall
Decorations, Mosaics
and Faience.

Swan Tile Works,

Liverpool, E., Eng.

Special prices to Canadians under the New Tariff.

CONTRACTORS TO H. M. GOVERNMENT.

HARRAP Bros.

Sole Makers of the Celebrated



(REGISTERED)

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

Bective Mills, Alverthorpe, Wakefield, England.

Special terms to Canadians under the new tariff.



R. GREENLEES & Co.,

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

Works: 30 East Howard Street.

Illustrated Price Lists on Application.

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

FOR ALL

Refrigerating Purposes.

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

Special estimates to Canadians under the New Tariff.

abroad. The Secretary said that during the past year 35 ships had been completed, 75 vessels were now under construction, including 20 armored cruisers, and the Admiralty contemplated immediately proceeding with upwards of 27 other ships. The vote for the construction of vessels alone, he said, during the present year, would amount to over £9,000,000.

—Winnipeg Notes.—The License Commissioners have decided that in future no restaurant licenses shall be issued in the city. All licensed to sell liquor must in future have hotel premises in accordance with the provisions of the Liquor Act. Recent holders of restaurant licenses will be given two months to close out their stock or make the required changes in their premises.—The express business of the Canadian Northern Railway will be taken over on

Monday by the Canadian Northern Company.—Winnipeg bank clearings for the month of May just closed, show an increase of nearly five million dollars over the same month for last year.

—Berlin advices state that Professor Edmund von Lippman, in the Chemiker Zeitung, gives the results of his analysis of oranges, lemons, and other tropical fruits, showing that they all contain surprising quantities of boracic acid. The Chemiker Zeitung adds: "Experts are asking, with astonishment, how it is possible that the universal consumption of these fruits, containing such quantities of boracic acid, could be regarded by everybody, without exception, as highly beneficial to health, if, in reality, boracic acid is necessarily injurious, as the Imperial Health Office persuaded the Bundesrath to believe."

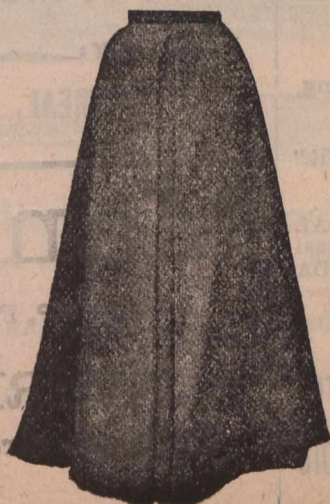


TRADE MARK.

Unshrinkable

Cycling . . .

Skirts . . .



"THE ERA."

The "ERA."
The "ARIEL."
The "ECLIPSE."

Simple.

Perfect Fitting.

Graceful

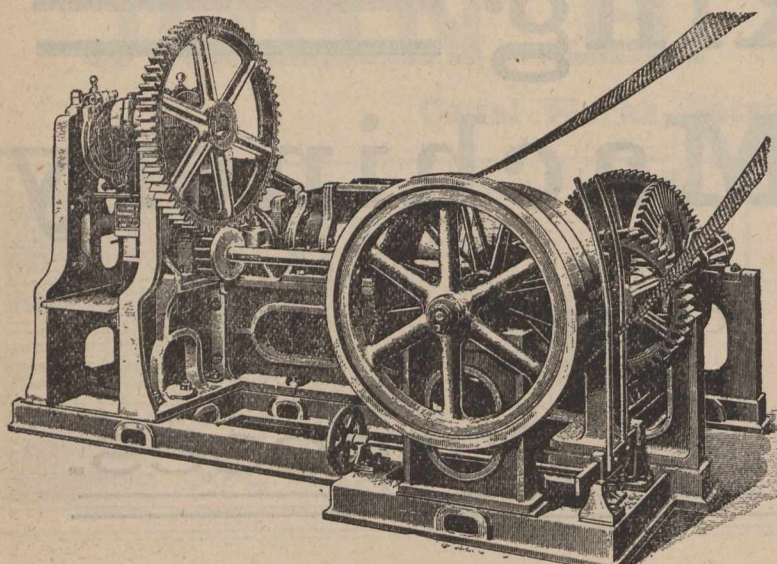
NO COMPLICATIONS.

These Skirts are made from BARKER & MOODY'S Celebrated Unshrinkable Cycling Costume Cloths, which are manufactured expressly for this purpose.

BARKER & MOODY, Kirkstall Road,
LEEDS, Eng.

Special rates to Canadians under the New Tariff.

Telegraphic Address:
"ALEXSON, LEEDS."



Patent Combined Stiff-Plastic Brickmaking and Pressing Machine.

Brick, Tile and General Clay Working Machi- nery

...

Herbert Alexander & Co. LIMITED.

Queen's Engineering Works

Water Lane,
LEEDS, Eng.

—The working of a coal mine some four miles distant by electric current generated by means of blast furnace gases, says the Philadelphia Record, is a recent engineering achievement. The gases are used to drive a gas engine generating unit furnishing current at 1,000 volts, which pressure is transformed up to 10,000 volts and transmitted to the mine. At the mine the current is down-stepped to 1,000 volts and used at this pressure for an endless rope haulage plant. It is stated that the cost of mine haulage under this system is 1 cent per ton mile.

—Arrangements have been completed, says a Toronto letter, for the consolidation of the business of the Globe Savings & Loans Company and the Colonial Investment & Loan Company. The assets, combined, it is stated, will amount to upwards of \$2,500,000, with surplus funds of over \$120,000. The union of these companies, it is claimed, is in line with the consolidation of interests of many similar institutions which have taken place lately, and will result in many advantages to the shareholders of both companies.

—Customs receipts at the port of Toronto showed an increase last month over May in 1901, the figures being respectively \$478,421.64 and \$423,335.31, an increase for May this year of \$55,086.33. This brings the figures for the eleven months of the fiscal year up to \$5,536,000 for 1902 as against \$4,932,000 for 1901, an increase for this year of \$604,000.

—The Customs revenue of Canada continues to climb. For the eleven months ending May 31 the figures were \$29,165,577, as compared with \$26,342,785 for the same period of last year, showing an increase of \$2,822,789. For the month of May itself the revenue totalled \$2,776,990, being a gain of \$350,475 over May of 1901.

—It is stated that new patent machine-made cans will be largely used in sardine canning factories of Eastport, Maine, and vicinity during the coming season. A new soldering machine has been perfected which will in time

—A pleasant party of business men are at present enjoying themselves along the banks of the Restigouche,

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

THE IMPERIAL "S. C."

Acetylene • Gas • Company, LIMITED.

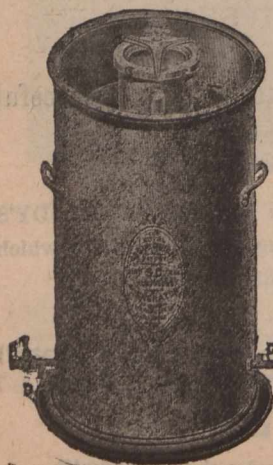
30 St. Ann Street,
MANCHESTER, Eng.

Telegraphic Address:
"ACETYLENE, MANCHESTER."

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

THE

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



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

The J. C. McLaren Belting Co.

FACTORY: —

MONTREAL. TORONTO. VANCOUVER.

Manganese

LUMP, FINE and GROUND.

EVERITT & CO.,

40 Chapel Street, Liverpool, England.

Joseph Booth & Bros., L'td.,

ENGINEERS

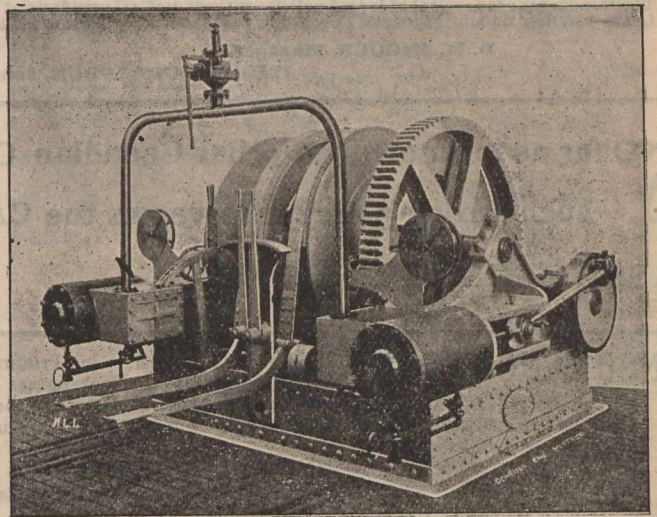
and MANUFACTURERS,

Rodley, Near Leeds, - - - England.

Manufacturers of

Steam Hydraulic Cranes and Lifting Machinery,

Under the New Canadian Tariff.



—In his recent annual report to the Minister of Trade Commerce the Canadian Government agent at Glasgow, Mr. Murray, says: "The importation of pig iron from the Dominion to the Clyde has created quite a sensation. Fifty-three thousand tons were discharged during the year and three or four cargoes are now on the way. The iron serves the same purpose as Scotch or English foundry iron, and is principally used by foundries, some of it, however, is used by pipe and malleable iron manufacturers."

—Our St. Thomas, Ont., correspondent writes: A. Snyder & Co., assigned some time ago, and their stock, amounting to \$1,010, was sold on the 2nd inst., at 72c in the dollar. The business belonged to Mrs. Snyder and her father, Mr. Levi Sutton, of Fingal, purchased it. It was a stock of fancy goods, crockery, embroidery, etc. The liabilities were about \$2,300.

—Boston advices report that the Directors of the American Telephone & Telegraph Co. have voted to issue \$21,000,000 of new stock. Stockholders will have the right to subscribe on the basis of one new share for each four now held. One-half the new issue will be payable in September and one-half in January. A circular will be issued early this month.

—The construction department of the Grand Trunk Railway have decided upon the erection of new large stations

on the main line at Goderich, Petrolia, and Glencoe, Ont., A new station will also be built at Portland, Me., during the present year.

—Hamilton advices state that Messrs. A. B. Mackay, W. G. Walton and William Magee have gone to England, where they will purchase two large steel Clyde-built freight steamers to be used on the Canadian route from Montreal to Duluth.

the salmon fishing river of Mr. Maurice E. Davis of this city. Among them are Wm. C. McIntyre, Geo. R. Robertson, Dr. Arthur Browne and the hospitable wealthy owner, do away with the sealing by hand.

—At a meeting of the directors of the Merchants' Bank of Canada, on Tuesday last, Mr. Jonathan Hodgson was chosen to fill the position of Vice-President, vacant by the death of his brother-in-law, the late Mr. John Cassils.

—Mr. H. S. Holt, President of the Sovereign Bank, and President of the Light, Heat and Power Co., has been appointed a Director of the Imperial Life Assurance Company of Canada.

—The customs returns at Hamilton, Ont., for May were \$85,399,26, an increase of \$13,618.47 over the same month last year.

Do you Stock the World
Renowned

Carvers?



ESTABLISHED 1886.

(Contractors to the British Government.)



Razors, Table Cutlery, Pen and Pocket Knives, Spoons, Salts, Cruets,
Tea and Coffee Services, Fish Eaters, Desserts, Cabinets, Etc.

If not, move with the times and please write for Samples to

FRANK MILLS & CO., Hanover Works, Division Street, **Sheffield, Eng.**

THE STANDARD ASSURANCE CO. ESTABLISHED 1825.

OF EDINBURGH.

HEAD OFFICE FOR CANADA, - MONTREAL.

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

[WORLD WIDE POLICIES.]

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

D. M. McGOUN, Manager.
 J. HUTTON BALFOUR, Secretary.

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

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

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

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



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

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

FIRE. LIFE. MARINE.

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

ESTABLISHED 1865.

BELL TELEPHONE BUILDING,
 MONTREAL.

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

THE CANADIAN
Journal of Commerce.

MONTREAL, FRIDAY, JUNE 6TH, 1902.

PEACE IN SOUTH AFRICA.

From 11th October, 1899, to 31st May, 1902, war has raged in and ravaged South Africa,—an area of continental proportions, comprising "seas of mountains," vast plains of desert, valleys and uplands of luxuriance, districts rich in gold, others where diamonds were mined, a country of wondrous contrasts, capabilities and contradictions—over this varied surface armed men have been incessantly seeking each other for slaughter as the hunter pursues game. Not a single engagement has been fought during the whole war-time, that is, such as those which have heretofore occurred when enemies met in conflict. On one side were hordes of stalwart, un-

drilled men, masters of the rifle, familiar with every rock and coign of vantage, accustomed from boyhood to hunt wild animals in the mountain fastnesses,—men who were as mobile as a flock of birds. Against these were arrayed troops highly disciplined; of regiments and battalions drilled to act as units, of soldiers ready to face any foe in sight, but not prepared for such tactics as those of the Boers—whose plan was, to shoot from a cover, to avoid exposure, never to be massed for action in sight of their foe, but to lay traps, to select points for ambushes and to meet discipline by cunning. Under such conditions the Roman legions failed, under such conditions Wales kept its independence for centuries against the British, and the Highlands of Scotland and

Insurance.

PHENIX ASSURANCE CO'Y., Ltd.
 OF LONDON, ENG.

Established in 1783. Canadian Branch
 Established in 1894.

No. 164 St. James St.

MONTREAL, P. Q.

PATERSON & SON,
 Agents for the Dominion

City Agents:

E. A. Whitehead & Co. English Dept.
 A. Simard. French Dept.
 S. Mondou. " "
 E. Lamontagne, " "

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.
 T. D. RICHARDSON, Assistant-Manager. JAS. BOOMER, Manager.

EVANS & JOHNSON, Resident Agents, MONTREAL,
 1728 Notre Dame St.

IMPERIAL LIFE ASS'CE CO'Y OF CANADA.

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

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

Mutual Reserve Life Insurance Co.,

FREDERICK A. BURNHAM, President.

EIGHTY-ONE THOUSAND POLICY-HOLDERS.

Total Assets, \$12,264,838.21.

THE TWENTIETH ANNUAL STATEMENT

Shows that the 1900 Business Brought

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

...AND..

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

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

Montreal Office, - - La Presse Building.

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

**UNION ASSURANCE SOCIETY
OF LONDON.**

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

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

ONE OF THE OLDEST AND STRONGEST OF FIRE OFFICES.

CANADA BRANCH:

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

T. L. MORRISEY, Manager

the mountains of Switzerland ever successfully resisted invasion. The Boer war was a wearisome pounding away at a scattered, ever-fleeing, yet ever-fighting foe, who at last realized that the staying, recuperating balance of power was heavily on the side of the British. There was no Waterloo or Sedan, or Solferino before, and as a cause of, peace. The enemy gave up in despair. The story of the causes of the war is somewhat hackneyed.

One thing is too manifest to be questioned. The Boers on the outbreak of war showed that they had armaments of great extent of the most costly character, equal to those of a powerful State in Europe. Their artillery was even superior to that of Great Britain, and their cannon were handled by highly expert officers. Now—how came it to pass that a pastoral people, a nation of farmers, as the Boers were described to be, a people having no dangerous neighbours, save tribes of savages,—how, we ask, came it to pass that these people were “armed to the teeth,” were splendidly prepared for a prolonged war with some civilized antagonist? Such preparations prove some intention of a war nature, and that intention was declared in October, 1899, by the President of the Transvaal demanding the removal of British troops from the British Colony of Natal. The veil was lifted, the Boers meant to seize Natal and Cape Colony in order to form a new State which, as the leader in this scheme said to Cecil Rhodes, “will be independ-

ent of the rest of the world,” that is, be no part of the British Empire. The peace just concluded puts an end to that madman’s dream. From the Zambesi to Cape Town there now waves the British flag, and all that vast region is under the sceptre and crown of King Edward VII.

The day of trouble is, however, not ended. To pacify the Boers—to lift them up to our level—will be a tedious, prolonged task; but they are worth the cost and labour, as they have capacities for a higher life, and qualities that a freeman needs to keep him free. The Boer war has been a terrible experience, but, by having heated the loyalty of the Colonies to the point of fusion, like an amalgam in a furnace, it has created an Imperial unity which is of infinitely more value than all the cost of the war.

THE BANK OF MONTREAL.

The proceedings at the 84th annual meeting of above bank, held on 2nd inst., were unusually interesting. The statement showing net profits of \$1,601,152, equal to 13.34 per cent. on paid-up capital, and that \$1,000,000 had been added to reserve fund, which was thus raised to \$8,000,000, had been already well digested and appreciated by the shareholders. This was enough to give a tone of elation to the meeting, but the news that peace had been formally declared that day, gave a distinction to the 85th annual meeting which will be long remembered.

Mr. E. S. Clouston, General Manager, is a man of few words, but they are weighty. He generally has some utterance bearing directly upon a feature of the day which calls for comment, and his summaries of the trade situation are excellent for their brevity of form, combined with fullness of meaning. A condensed, terse style has this advantage, it implies reflection and careful preparation, it puts statements so graphically that their import is quickly and clearly grasped, so that their strength, or weakness, is at once apparent, whereas in a profusion of words there is always more or less obscurity and indecisiveness, with a consequent opening for misapprehension of the writer’s or speaker’s meaning. No one mistakes what Mr. Clouston says and what he has said is apt to be well remembered, as his words are driven “like a nail in a sure place.” After allusions to the increased assets and profits of the bank, he went on to declare, that the business barometer stands at “Fair,” with indications of its continuing steady at that point. These indications are, large public revenues and railway earnings increasing; farmers prosperous; and lumber interests improving, immigration pouring in to an extent that will add to the country’s prosperity, and a prospect of important results from the iron and steel industry.

Mr. Clouston’s most notable utterances were in regard to the shipping combine and the prevalent activity of stock exchange business. He considers it a necessity for Canada to take up the question of a fast Atlantic service as essential to safeguard the shipping interests and commerce of the Dominion. The national service, he urges, should be second to none in speed and equipment, both for passengers and freight. That is the policy favoured by the Bank of Montreal, and that is

the policy which, ere long, will be demanded by the people of Canada so generally and so determinedly as to compel action by the Government. A second point made by Mr. Clouston was in reference to stock business. His words were:

"The stock exchanges of Canada have shown an activity unexampled in the history of the country, and though speculation has been rife, there has been a certain foundation for the advance in the quotations of securities, and it is not entirely the wild, reckless state of affairs that foreign critics profess to believe exists here. Still, there is danger of speculation being carried beyond legitimate bounds, and we have probably reached a point where investors and lenders would do well to look more closely into the intrinsic value of the securities they purchase or accept as collaterals."

The phrase "or accept as collaterals" will cause some bank managers to prick up their ears, for the remark carries an inference that "the intrinsic value of securities" may not have been too closely looked into "as collaterals." The hint will be of service.

The address of the Vice-President, the Honble. George A. Drummond, if a musical simile may be used, was a development of the theme given out by the General Manager, with variations, which were well arranged and the score of which will be found interesting. Senator Drummond gave statistics showing the great expanse of the bank's business in recent years, more especially the deposits, which in five years have increased considerably over 100 per cent. We supplement his comparisons by the following table:

	1902.	1897.	Increase in 5 yrs.
Circulation	\$7,007,321	\$4,563,386	\$2,443,935
Deposits	84,226,187	36,069,984	48,156,203
Discounts	61,812,370	35,975,089	25,837,281
Total assets	114,903,672	64,287,440	50,616,232

Senator Drummond pointed out the enormous increase in Canada's foreign commerce which, five years ago, 1897, only amounted to \$257,168,862, for the entire year, while in the first nine months of current fiscal year they amounted to \$295,360,031. He emphasized Mr. Clouston's declaration regarding a fast Atlantic service by saying:

"The present moment seems to be most favourable for securing an independent line of steamships to a Canadian port. They should in speed and equipment be equal to any afloat, and the prospects of financial success for the undertaking were never, in my opinion, so bright as now, while its realization would be of enormous benefit to this country."

These judgments cannot fail to meet with the approval of the whole country. The Vice-President considers that the splendid services of Canadians in South Africa entitle them to national gratitude, as their record has lifted Canada into a higher plane of national life.

The subsequent proceedings were of the usual routine character, varied, however, by Mr. A. T. Paterson stating that the day was the close of his 21 years of service as a director. Needless to say, the shareholders very highly enjoyed the speeches of the Vice-President and General Manager, and were full of satisfaction at the results of the past year's business.

—Ottawa coal dealers have advanced the price of hard coal 50c, making it now \$7.50 per ton.

THE QUEBEC BANK.

This old bank shared in the general prosperity prevailing in the past year. The net profits were \$251,920, which exceeds 10 per cent. on the capital paid-up. After paying two half-yearly dividends of 3 per cent., the balance of \$101,920 was disposed of by transferring \$100,000 to the reserve fund, and adding \$1,920 to profit and loss, which was raised to \$49,776; from this there was \$5,000 taken to increase the pension fund, thus leaving \$44,776 to be carried forward to next year. The reserve fund now stands at \$800,000.

The changes made in the position and business of the bank since 1897 are shown in the following table:

	1902.	1897.	Increase or decrease.
Circulation	\$1,411,627	\$885,010	Inc. \$526,517
Deposits	7,122,689	7,003,873	Inc. 118,816
Securities	1,307,201	735,200	Inc. 572,001
Call and short loans	2,078,965	908,051	Inc. 1,170,914
Discounts	7,333,830	8,334,872	Dec. 1,001,042
Total assets	12,421,173	11,618,540	Inc. 803,233
Net profits	251,920	219,183	Inc. 32,737

The principal business in the district in which the Quebec Bank principally operates, has not expanded as other branches have done since the revival in 1896-7, and the bank has been pursuing a conservative policy, under Mr. Thomas McDougall's management, so that its funds have found more employment in securities and in call and short loans. Still, the profits last year were larger by \$32,737 than in 1897. The management is to be commended for keeping the dividend at the moderate rate adopted some years ago, although the profits would have provided amply for an increased one, the building up of a larger reserve fund being the best policy in the interests of the shareholders.

THE SOVEREIGN BANK.

The head-offices of the Sovereign Bank of Canada were opened for business on Monday last on the remaining corner at the intersection of St. James and St. Peter streets, Montreal, the other three corners being occupied respectively by the Canadian Bank of Commerce, The Molsons Bank and the Merchants' Bank. The number of visitors on business and the amount of the transactions for the opening day warrant the belief that the bank has not been in any degree premature in getting established here, and this statement is corroborated by the continued scene of busy life in the general offices and the manager's room. The bank was opened for business on the 1st May in Toronto, and its friends will be much disappointed if the next statement to the Government of all the banks (in a fortnight hence) does not show a good account for the month of May. Mr. D. M. Stewart, the General Manager, is no stranger in Montreal or Toronto; he knows how to "make haste slowly"; he knows how to choose his men; hence it is scarcely too much to say that the Sovereign Bank should make for itself a favourable record in the rank of kindred institutions in Canada.—The 5's and 10's of the bank's note issues are models of the engraver's and printer's art. The vignette of our Sovereign King, on the former, is specially admired for its life-like fidelity. The opening was on an auspicious day—the first after peace was announced from South Africa—though many will breathe the prayer that it may be long again ere

History furnish a like struggle to mark with its happy termination the establishment of such enterprises, efforts of which Peace has always been the handmaid.

TRUST COMPANIES AND THE BANKS.

Commenting on the increasing organization of trust companies in New York a writer in the London Economist thinks it likely that the national banks of that city will enforce some salutary restrictions upon them. Aside from selfish motives for such action, he points out that the conduct of trust concerns has become, "under the care and protection of the banks, a menace rather than a valuable coadjutant or custom for them. Keeping no reserve; lending money to whom and in such sums and on such security as they please; with operations concealed from public scrutiny and largely free from proper financial inspection; doing one-half the banking business of the city unchecked by all ordinary banking limitations, the trust companies ought, it is held, to be compelled to keep as large cash reserves as the banks do themselves against such of their operations as can properly be designated as 'banking'; and the loans made by them, it is thought, ought to appear in the weekly bank statement, in order that the public may have some idea of their credit expansion. "It would not be surprising," he says, "if the recent higher rates for money should be connected with anticipations of such a move." This would also account—in some measure, for the sagging in stock exchange values contrary to what was to be expected from the close of the war.

Another correspondent in the same journal deals with the largest enterprise of the kind yet launched, one to which we were enabled to devote some attention as to its organization and probable effect as a world-wide competitor, in these columns several months ago. Although considerable changes have been made meantime—for these "large bodies" do not "move slowly"—we deem his views worthy of widespread consideration. Referring to the influentially-signed request for three months' delay cabled to the directors of the United States Steel Corporation about the middle of last month, he quotes from an influential source the report of the meeting held on the Tuesday following: "The management, of course, had a large majority of proxies. but the minority protested in impassioned speeches. The directors were asked why the conversion was necessary, and why the operation was not conducted without an enormously expensive syndicate. They did not answer, and refused to postpone the meeting." In this extraordinary affair, says the correspondent, the conundrum which puzzles me is this, "Why, if the corporation is as prosperous as the directors say it is, are they in such an indecent haste to reduce their income from 7 per cent. to 5 per cent., and take a mortgage security? If the corporation is not as prosperous as they say it is, how dare they, being trustees, encumber the property which they manage with mortgage in their own favour for \$200,000,000. Note how painful and embarrassing to sensitive men of honour will be their position, if, through unavoidable misfortunes or their own reckless mismanagement, the corporation shall one day be unable to meet the new fixed charge of \$10,800,000 they are forcing upon it. They will have to foreclose on themselves, and for their own protection they will have to cut out all the stock both preferred and common."

"The immediate object of this letter," he says, "is to ask your decision, as a financial expert, on a difference of opinion between Mr. J. P. Morgan, his partner, the chairman of the finance committee, and the writer. These gentlemen invited the stockholders to increase the mortgage debt of the corporation by \$200,000,000 without a dollar of direct consideration, because it would thereby gain the following advantage, and this mark you is the only inducement they can think of. They say, speaking of the \$250,000,000 mortgage: 'The consequent \$14,000,000 reduction of dividend payments, as compared with the \$12,500,000 increase of interest, would result in a net annual saving of \$1,500,000, exceeding by \$490,000 the annual sinking fund contribution of \$1,010,000 required by the proposed mortgage.' Now to me it seems that Mr. J. P. Morgan and Mr. Perkins fail to understand the difference between interest on a debt and a dividend on stock. The interest is a sum which the corporation is forced to pay out of its resource, although it may be working at a loss, and it is a fixed charge on the assets. The dividend is not a charge on the assets; it is only payable out of profits; it is the residue of the profits, which the corporation—having liberally supplied its own needs in the way of reserve funds, &c.—has no use for, and which it, therefore, distributes to its stockholders. Apply this distinction to the case in point. Supposing that, after paying the interest and sinking fund of Mr. Carnegie's first mortgage, there should be just \$14,000,000 on hand. Under the directors' scheme, before it could use a dollar for its own needs, the corporation would have to pay out \$13,510,000 as interest and sinking fund for the \$250,000,000 mortgage, and it would be left with the pittance of \$490,000 with which to make good its necessary reserves. But without the conversion scheme, the only forced payment out of the \$14,000,000 would be \$2,700,000, being the interest and sinking fund on the \$50,000,000 mortgage. It would, therefore, be left with the handsome sum of \$11,300,000, instead of only \$490,000, and out of this it would be able to make good its reserves and supply all its corporate needs; having done that, it would distribute the residue, which it did not want itself, amongst its stockholders. As I see it, therefore, the proposed conversion scheme, instead of increasing the saving power of the corporation even by the trivial sum of \$490,000, would decrease it by \$8,600,000, being the difference between the \$13,510,000 fixed charges under the mortgage for \$250,000,000, and the \$2,700,000 fixed charges under the \$50,000,000 mortgage."

THE GRAND TRUNK NEW OFFICES.

It goes without saying latterly that anything undertaken by the Grand Trunk System will be of the best. This may especially be said in connection with their new General Offices on McGill street, just completed. A number of gentlemen, among them representatives of the Montreal press, at the invitation of Mr. Chas. M. Hays, Second Vice-President and General Manager, visited the new palatial structure for the purpose of inspecting the imposing new headquarters of the railway. Although the chaste edifice of the Grand Trunk at the city terminus on St. James street west had proved quite a relief from the pressure on the extensive though inconveniently situated Point St. Charles offices for many

years past, it was often felt that the time was coming when such a more than palatial structure as that now situated so advantageously in the heart of the business portion of the city must be provided in order to meet the ever crowding demands upon the System commensurate with the growth of the country, and of its feeders on the other side of the international boundary lines, to say nothing of the necessity for closer contact with the more rapidly growing bulk of city business. As "everything comes to him who waits"—or knows how to wait—there is a strong belief arising that the shareholders of the great pioneer railway of Canada may ere many years be rewarded in some degree for their long-time patience. The tour of inspection completed and the officers of the railway congratulated on the accomplishment of their wishes, the party was entertained at a luncheon at the St. James Club, Mr. Wainwright, Assistant General Manager and Comptroller, presiding in the unavoidable absence of his superior officers.

The officials of the railway are to be congratulated on this crowning new adjunct to the recent general improvements of the System. The structure, though not yet complete in every respect, affords a satisfactory idea of the objects aimed at, in which the Useful is paramount and the Beautiful only in artistic proportion.

FOR BETTER TRADE ARRANGEMENTS.

The dates selected for the conference of Boards of Trade and Chambers of Commerce of Canada at Toronto, held this week, could not have been more opportune for a free discussion of the broad questions at issue. The conference gathered just as the cheering which denoted the close of the war had ceased. That these questions were brought forward by men thoroughly versed in the matter is at once apparent by a glance over the fields which they represented and a thought as to what those fields produce. Of the various resolutions brought forward, a striking feature was the almost entire absence of thought as to our neighbours to the South, and the part they might play in the future welfare of the Dominion. In past decades this was not the case, but, on the contrary, discussions were pretty evenly divided as to which would be the better road to smooth; a strong argument then being that the United States was our natural market and that the future would most assuredly prove it. Well, the future, in so far as we have yet gone, has not only proved that strong argument a weak one, but is each season causing the question to be relegated further into the background by the march of events, which march has not by any means been slow of late years.

The debate of the day was precipitated on a resolution presented on behalf of the Montreal Board of Trade by Mr. George E. Drummond to the effect "That the conference was of opinion that Great Britain could serve best the interests of the Empire by giving the products of her colonies a preference in her markets as against the products of foreign countries, it being believed that such preference would stimulate trade and develop colonial enterprises, and, moreover, serve to make the colonies attractive not only to the large number of British subjects emigrating annually from the British Isles, but also to the surplus population of other countries and at the same time benefit Great Britain by largely freeing her from dependence upon foreign countries for her food supplies." Mr. Drummond made a vigorous argument,

saying that ere long Great Britain would see that the best way of teaching the virtues of free trade would be to give other nations a taste of their own medicine. If England gave her colonies a preference on food stuffs within fifteen years she would be independent of foreign supplies. The first amendment to the motion was adopted unanimously, and provided that Sir Wilfrid Laurier be urged to favour a joint British and Colonial Royal Commission to consider the best means of bringing about a preference. Other resolutions, modified, but to some extent framed on similar lines, were brought forward, but the above was finally adopted.

UNITED STATES FINANCES.

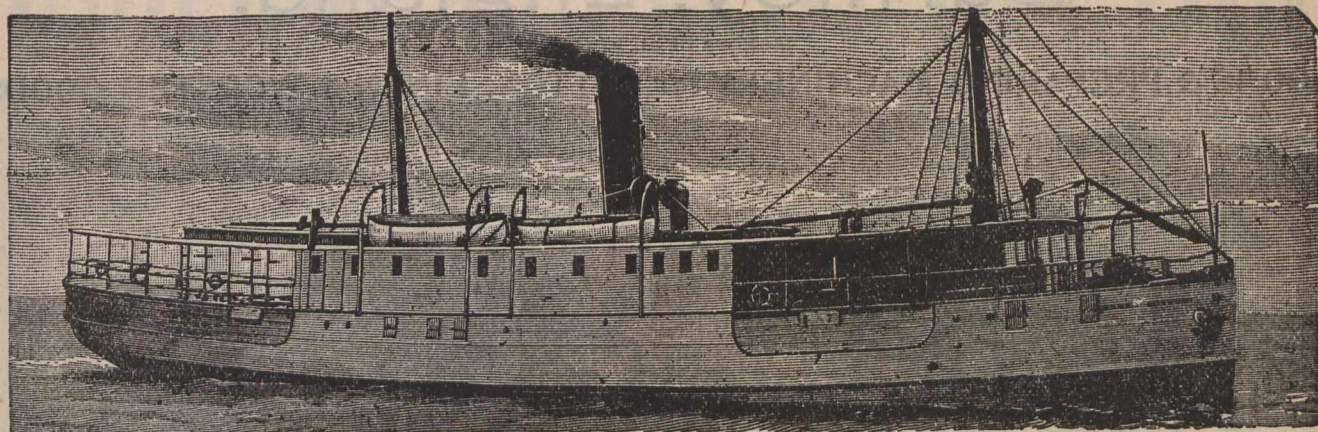
The coal strike and the holidays—the latter involving a three days' suspension of business of the Stock Exchange—says Henry Clews & Co., New York, under date May 31—acted as a deterrent upon stock market operations. A confident undertone appeared owing to the strong support developed on every recession, but speculative activity seemed inclined to wait for more favorable opportunities. Much depends upon the outcome of the strike. If a prolonged struggle should result, the effect would be unfavorable to the general market. If, on the other hand, an early cessation of hostilities should happen, the market would be relieved of a weight which bears on other than the coal stocks. One thing is certain, public opinion will not indefinitely endure with patience a struggle which threatens to temporarily deprive them of one of the necessities of life. Interruption of our coal supply is a menace to various industries that will not be quietly accepted, to say nothing of private hardships that may be enforced by a prolonged shutdown.

Aside from the strike, the most important influences on the market are the crop situation, the money market and peace prospects in South Africa. Needless to say, the crop outlook outranks all of these influences, even the strike, which is only a passing element. Fortunately crop prospects are favorable. The cold snap delayed agricultural operations somewhat, but did no serious injury. Beneficial rains have fallen over large areas, checking drouth; so that winter wheat is in improved condition and early spring wheat is doing well. A large corn acreage seems inevitable; the high prices resulting from last year's shortage having greatly stimulated planting and driving farmers "corn crazy" in some sections. A repetition of last year's deficiency would be simply ruinous and seems beyond possibility. The wonder is that crop losses made so trifling an impression upon general business or upon the railroads, and there is every prospect that the agricultural classes will not be called upon this year to endure the losses suffered last year. Cotton crop reports are also favorable in spite of a slight reduction in acreage.

As for the money market, the outlook is more assuring. Bank reserves are rising owing to the influx of funds from the interior and a further contraction in loans. Relief in the latter direction is most needed and most probable. The great expansion of loans during the last few months has been chiefly due to the operations of big borrowers and syndicates. Some of the deals of the latter have been completed or are approaching consummation, thus releasing large sums and explaining to a considerable degree the sharp fluctuations occasionally seen in the loan account. On March 1 loans stood at the highest point on record, \$938,000,000, and the surplus reserve at \$9,975,000. A week ago loans stood at \$870,400,000, a contraction of \$67,000,000 in three months, while surplus reserve had risen to \$14,000,000. The latter is still a rather slender margin considering the tremendous expansion of various sorts which exists, but the tendency is in the right direction and rising reserves may be expected for some weeks to come; unless a rampant speculation develops, of which at present there are no symptoms, except it be a desire for such on the part of those who have too many stocks on hand for their own comfort and pleasure.

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 good deal of interest is shown in the probable effect of the cessation of the Boer war on the American market. In the long run it cannot help being beneficial. The first effect, however, may be for British speculation to spend considerable energy upon Kaffir shares, after which it will probably overflow into Americans. The war has been costing England at the rate of about \$400,000,000 a year; and the release of such vast sums from destructive purposes to flow again into the legitimate channels of industry and investment must act as a powerful stimulus that cannot be confined to the London market. British capital is always forced to go beyond its native land, and it is not at all improbable that the liking for American securities may revive in view of the wonderful records they have been making. The chief obstacle will undoubtedly be foreign prejudice against American financing.

Railroad shares are firmly held owing to good earnings and the various mergers in prospect. A feature was the advance in Canadian Pacific, attributed by some to buying for consolidation purposes, though this is not confirmed. The industrials are generally neglected and wisely so. More and more of them are making unsatisfactory annual reports, notwithstanding the activity of trade; and it seems only a question of time when overcapitalization will have to be wiped out through the old-fashioned methods of liquidation and reorganization. As the trust problem promises to be a vital political question ere long, the industrials can hardly be considered favorites from either the investment or speculative standpoint.

When the coal strike approaches a settlement we may look for a more active market; and if this is followed by good crop reports and easy money we may look for better prices. The market offers good trading opportunities, there being a fair division of opinions without settled tendencies in either direction. The big men are still persistent bulls on the situation, and if conditions permit they are sure to use their influence in that direction. For the present, however, the market is a sale on good rallies and a purchase only on decided breaks.

FOREIGN SUGAR PRODUCTION.

Interest for Canadians may be found in the following report on the production of sugar in the State of Sergipe, Brazil, by U.S. Consul H. W. Furniss, stationed at Bahia: In the State of Sergipe there are 671 sugar factories, 269 of which in some way utilize steam as power, 13 are run by water and 389 by animal power. Of those using steam,

about eight are more or less modern vacuum-pan factories, while the others only employ steam to grind the cane, and boil their juice to sugar by the old-fashioned open kettle train process. All of those run by water and animal power make sugar by this method. The largest and best equipped sugar factory is the Engenno Central, near Riachuelo. It buys vast quantities of cane from nearby planters. It expects to grind during the season of 1901-2 45,000 tons of cane, from which it is estimated it will make 36,000 tons of sugar. There is now a Dutch engineer there, taking measurements for an American system slicer and chopper, a Dutch mill, and other machinery for the diffusion process, which it is the intention of the company to introduce at the close of the present season. With this apparatus, the managers hope to recover at least 11 per cent. of the sugar of the cane. I am pleased to note that this concern has some of our plows and harrows in use, but I believe that we have implements much better suited to existing conditions than those which the company possess. In my trip through the State, I visited fifty-four sugar factories and was surprised to note the waste. I could easily see why, with the exception of the Engenno Central, sugar in this section seldom does more than pay and this year is causing a great loss. To commence at the beginning, the cane is not properly cultivated, and labor-saving methods and agricultural implements are either unknown or ignored. In this large sugar district it is surprising to see how little is known of American sugar working machinery and methods, and during the trip I had many requests for information. The machinery for the greater number of the smaller mills and for some of the larger ones is from Glasgow, but is of old pattern and in many cases has been badly treated. That it is of British manufacture is to be expected, as the chief repair shops of the section has been run for years by Englishmen, and they have been interested in the orders. Recently a couple of German shops have been opened and they are already introducing German machinery. With a slight increase in the price of sugar there should be a chance for some of our perfected apparatus, and now is the time to call the attention of the planters and mill owners to our products, that they may be well acquainted therewith when there is a revival of prosperity in the industry.

—Our Iroquois, Ont., correspondent writes:—C. E. Harkness, grocer, &c., Iroquois, is dead. It is probable that the business will be continued by Mrs Harkness.

Butterworth & Dickinson,

Globe and Saunder Bank Iron Works, Burnley, England.

TELEGRAPHIC
ADDRESS:

"Globe Burnley."

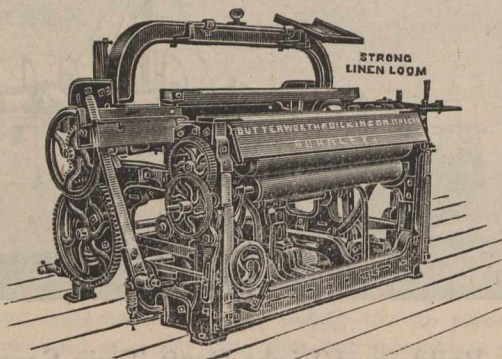
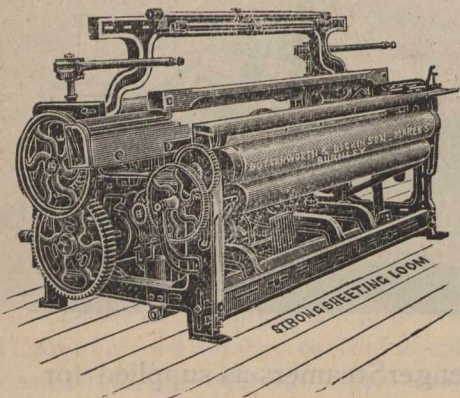
A. I. and

A. B. C.

Codes.

Makers of all kinds of

LOOMS & PREPARING MACHINERY for COTTON, LINEN & WORSTED GOODS.



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

Up-to-date Machinery of the best construction. Low Prices. Prompt Delivery.

DAIRY PRODUCE.

A private London circular, date 22nd ult., treating of the dairy situation, says: Butter.—The demand for New Zealand butter is now confined to few sellers, and the season may be considered virtually over. The Wakanui, which arrived to-day, has brought the last shipment. Prices remain unchanged from last week at 102s to 104s for choicest, and 98s to 100s for finest. Canadian does not rapidly increase in quantity, although good pastures are reported only a fair make up to end of June is expected. Prices for Canadian may be quoted at 98s to 102s for choicest, which term, however, when applied to Canadian, expresses a wider range of quality than in Australian and New Zealand. The Copenhagen market remains firm, and the Official Quotation is unaltered at 90 kroner. The North of England markets are all firm for Danish butter, and the holidays appear not to have had any influence on prices. Irish butter is coming forward in increased quantities, and if the present Russian supply continues, values of Irish must decline. President Roosevelt signed the U.S. Margarine Bill, which will come into operation on 1st July. The margarine manufacturers, however, have determined to contest it in the Supreme Court of the United States, and they hope to kill it, as their attorneys advise them the Bill is contrary to the constitution of the United States. The result will be watched with interest in this country.

Cheese.—The demand for old Canadian and present season's New Zealand is steady at 60s to 62s for Canadian, and 59s to 60s for New Zealand. New season's Canadian is being cleared at fast as it arrives at about 56s. Grocers and cheesemongers mostly favor the new, as it brings them a few shillings per cwt. more profit than the old make. The Kumara, due in London about 19th June, is bringing about 1,400 crates of New Zealand cheese. Corresponding week, 1901, Canadian choicest cheese was quoted at 47s to 49s and finest at 44s to 46s.

FIRE LOSSES.

Brockville, Ont., June 2.—Residence of A. A. Vanston, at Poole's Resort, burned. The contents were also destroyed.—Bracebridge, Ont., 2.—Dry goods store belonging to William Kirk, burned. Building and stock were entirely destroyed. Insurance on stock \$7,000, and \$1,000 on

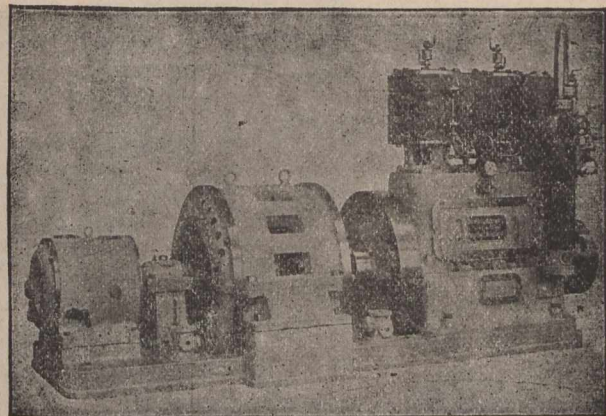
building. Dr. Bridgland's drug store was slightly damaged and the Crown Lands office burned.—Chatham, Ont., 1.—Children playing with fire-crackers and matches around the barn of Geo. B. Douglass, built a bonfire in the stable. The building was destroyed.—Kingston, Ont., 1.—The Street Car Company's buildings were damaged by fire. The fire started from an electric wire in the workshop. In the upper stories of the brick building were a lot of Deering Company's implements and other things which suffered. Loss about \$8,000.—London, Ont., 1.—The two-storey residence of Roderick Macfie, South London, damaged to extent of about \$200.—Brantford, Ont., May 29.—The starch works in the outskirts of the city, were totally destroyed. The blaze was caused by overheated corn. The office and warehouse, with the contents in each case, were saved. There is a total insurance of \$65,000. Loss about 75 per cent. of total insurance, which is as follows: British America, \$5,000; Phoenix, London, \$10,000; Western, \$5,000; Anglo-American, \$5,000; Economical Mutual, \$5,000; Atlas, \$3,500; Hartford, \$3,000; Perth Mutual, \$3,000; Gore Mutual, \$2,500; Aetna, \$2,500; Equity, \$2,500; Waterloo Mutual, \$2,500; Canadian, \$2,000; Wellington Mutual, \$1,500; Berlin Mutual, \$1,500; Mercantile, \$1,500; total, \$56,000.—Buffalo, N.Y., 30.—The Manning Malt House, together with a quantity of grain damaged in the fire at the Wells Elevator a few weeks ago, was burned. The total loss is estimated at \$150,000, and is partially covered by insurance.—London, Ont., 30.—The stove and tinware establishment of William Steveley & Sons, was wrecked by fire. A part of the stock was saved, and the contents of the adjoining store (also used by the firm) were damaged by water. The stock of the Canada Cycle Motor Company, next door south, was injured by a falling wall. Loss on Steveley & Sons' building and stock is placed at \$20,000; Canada Cycle & Motor Company, \$1,500; Tackaberry & Co., leather merchants, also sustained some loss by water. The loss is partially covered by insurance in the British America, London, Liverpool, & Globe, Queen, Sun and Phoenix companies.

A SHIRT-SLEEVE INVENTION.

According as the higher civilization extends the prospects of the inventor increases. Scarcely a week elapses nowadays without some novelty making its appearance,

Telegrams: "MAGNETO," Bradford.

ROSLING, APPLEBY & FYNN,



LIMITED.

TRAFALGAR WORKS.

Bradford, --- --- Yorkshire, England.

especially in Canada and the adjoining republic, many of them so simple, that the first remark usually made on examination is: "Why didn't somebody think of this before?" The hot summer weather and the tendency towards "shirt-sleeves" for summer work or outings have exercised the ingenuity of a Columbus (Ohio) man. Seeing that many a man would like to wear a belt and dispense with suspenders in the hot summer weather cannot do so owing to the difficulty of keeping the trousers in place, and many who suffer from the wearing of a coat keep the garment on simply to cover the trousers' support. The invention affords a means of overcoming this difficulty, by permitting the suspenders to be worn underneath the shirt, where they will effectually carry the weight of the trousers without being visible. The chief feature of the device lies in the ability to connect the trousers with the suspenders without perforating the shirt, and also in the facility with which the supporting devices may be applied to ordinary garments. Secured to the band of the trousers in lieu of each button is an M-shaped spring, having a central loop adapted to engage the head of a button. The buttons to be used in connection with this supporting device are inserted in the tabs of the suspenders, the latter being donned prior to the shirt. When the head of the button is pressed outward the slot of the spring will readily slip over it, not only support the weight of the trousers, but also serving to hold the shirt in place as well.

SELF-HEATING SMOOTHING-IRON.

An improved flat-iron has been invented especially to aid the busy housewife who has a large ironing to do on a hot summer day, as she can keep right on with her work long after the fire in the range has gone out and the room has cooled to a more comfortable temperature. Besides, there is no changing of irons to replace the one rapidly cooling through use, the one iron doing all the work without change and being arranged to keep the temperature of the smoothing surface at just the right degree to suit the operator. The iron comprises a hollow chamber formed in the casting, in which a horizontal tube having perforations on the under side and a feeding tube connecting the burner with the globe-like reservoir above. The reservoir is supplied with any volatile oil, and in passing to the burner is adapted to be transformed into gas through the action of the flame, which also impinges against the comparatively thin under surface of the iron to maintain the proper temperature. By adjusting the valves the flow of the liquid from the reservoir and the pressure of the gas entering the perforated tube can be easily altered.

BUSINESS EXTENSIONS.

The latest change for the Foley & Williams Mfg. Company's announcement in our columns will show that the Pacific Hardware & Steel Co. of San Francisco, Cal., are now their representatives for the Pacific Coast; and the New York & Java Trading Co., of New York City, for the West Indies, Mexico, Central America and South America. The Foley & Williams Co., who are gradually encircling the globe with their manufactures, are to be congratulated on having made arrangements with these staunch and enterprising houses from which still better results are sure to follow in the territories which they respectively control.

CORRECTION.—In our issue of May 30th the words "more of" were omitted from the second line of the editorial review of the "Bank Statement for April." The paragraph should read "The April bank returns come under the observation of more of those directly interested in them than those of any other month," &c., &c.

Meetings, Reports, &c.

BANK OF MONTREAL.

The eighty-fourth annual meeting of the shareholders of the Bank of Montreal was held in the Board Room of the institution at 1 o'clock on Monday, 2nd June.

There were present: Hon. George A. Drummond, Sir William C. Macdonald, Messrs. R. B. Angus, A. F. Gault, E. B. Greenshields, Alex. T. Paterson, R. G. Reid, James Ross, Hon. James O'Brien, G. F. C. Smith, Donald Macmaster, K.C., F. E. Meredith, K.C., H. Dobell, George R. Hooper, Henry Spragge, Thomas Irving, B. A. Boas, Geo. Filer, C. M. Holt, C. J. Fleet, G. A. Greene, M. S. Loneragan, A. E. Ogilvie, Bartlett McLennan, M. S. Foley, A. T. Taylor, W. R. Miller, J. B. Learmont, W. J. Morrice, Alex. McArthur, Huntley Drummond, W. H. Evans and John Morrison.

On the motion of Mr. John Morrison, Hon. George A. Drummond, Vice-President, was unanimously voted to the chair, in the absence of the President, the Rt. Hon. Lord Strathcona and Mount Royal.

On the motion of Mr. B. A. Boas, seconded by Mr. H. Dobell, it was agreed: "That the following gentlemen be

Telegraphic Address: "UNION," St. Helens.

Established 1837.

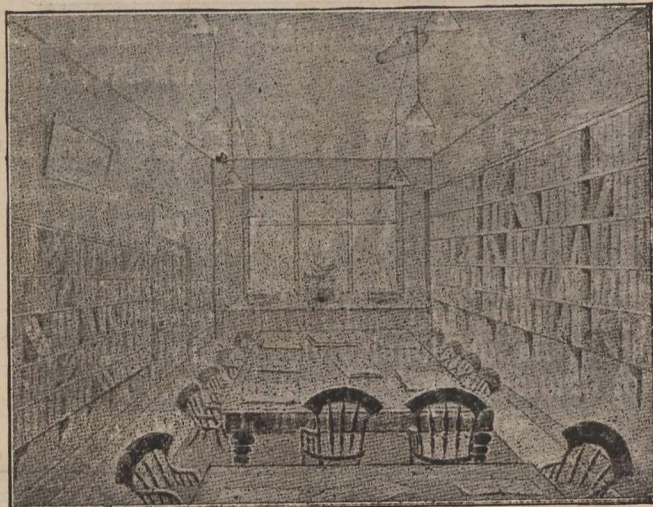
Union Plate Glass Company,

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.

appointed to act as scrutineers: Messrs. G. F. C. Smith and F. E. Meredith, K.C., and that Mr. James Aird be the secretary of the meeting."

DIRECTORS' REPORT.

The report of the Directors to the Shareholders at their 84th annual general meeting was then read by Mr. E. S. Clouston, General Manager, as follows:

The Directors have pleasure in presenting the 84th annual report, showing the results of the Bank's business of the year ended 30th April, 1902:

Balance of Profit and Loss Account, 30th April, 1901	\$764,703.19
Profits for the year ended 30th April, 1902, after deducting charges of management, and making full provision for all bad and doubtful debts.	1,601,152.90
	<hr/>
	\$2,365,856.09
Dividend, 5 per cent., paid 1st December, 1901	\$600,000
Dividend 5 per cent., payable 2nd June, 1902	600,000
	<hr/>
	1,200,000.00
Amount credited to Rest Account	1,000,000.00
	<hr/>
Balance of Profit and Loss carried forward..	165,856.09

Since the last annual meeting a branch of the Bank has been opened at Glace Bay, N.S., and suitable premises for its occupation are now being erected at that point.

The premises which were announced at the last annual meeting as in course of erection at Point St. Charles, are now completed, and occupied by the Bank.

The Head Office and all the branches have passed through the usual inspection during the year.

STRATHCONA AND MOUNT ROYAL,

President.

Bank of Montreal,
Head Office,
2nd June, 1902.

GENERAL STATEMENT, 30th April, 1902.

Liabilities.

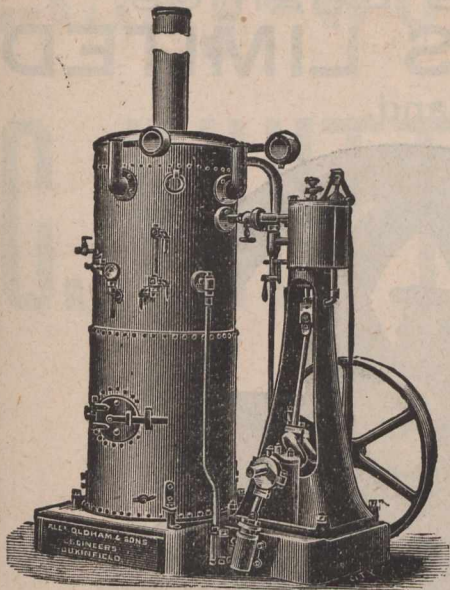
Capital Stock	\$12,000,000.00
Rest	\$8,000,000.00
Balance of Profits carried forward	165,856.09
	<hr/>
	\$8,165,856.09
Unclaimed Dividends	2,670.01
Half-yearly Dividend, payable 2nd June, 1902	600,000.00
	<hr/>
	8,768,526.10
	<hr/>
	20,768,526.10
Notes of the Bank in circulation	\$7,007,321.00
Deposits not bearing interest ..	22,899,086.32
Deposits bearing interest	63,926,547.31
Balances due to other Banks in	
Canada	69,172.53
	<hr/>
	93,902,127.16
	<hr/>
	\$114,670,653.26

Assets.

Gold and Silver Coin current	\$3,057,465.94
Government Demand Notes	4,068,281.00
Deposit with Dominion Government required by Act of Parliament for security of general bank note circulation ..	340,000.00
Due by agencies of this bank and other banks in Great Britain ..	\$3,101,578.15
Due by agencies of this bank and other banks in foreign countries	1,945,483.83
Call and Short Loans in Great Britain and United States	29,220,982.00
	<hr/>
	34,268,044.98

Alexander Oldham & Sons,

Johnson Brook Patent Piston Works,
and Engineering Works



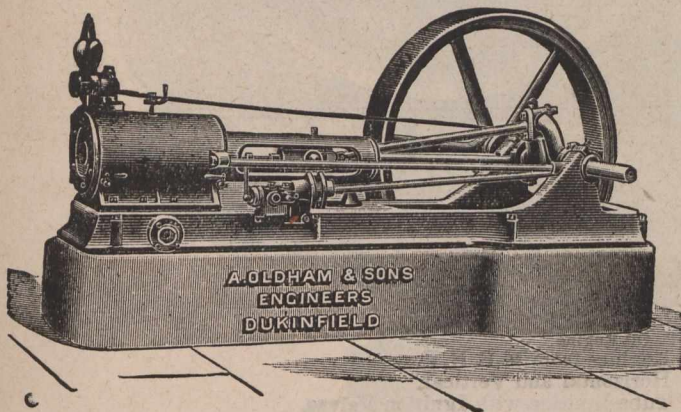
DUKINFIELD,
ENGLAND.

MAKERS OF

Vertical & Horizontal Steam Engines,

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

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



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

Dominion and Provincial Govern- ment Securities	819,860.36
Railway and other Bonds, Deben- tures and Stocks	6,152,393.20
Notes and cheques of other Banks	1,826,190.58
	\$50,532,236.06
Bank Premises at Montreal and Branches	600,000.00
Current Loans and Discounts in Canada and elsewhere (re- bate interest reserved) and other assets	\$63,211,068.94
Debts secured by mortgage or otherwise	232,471.83
Overdue debts not specially se- cured (loss provided for) ..	94,876.43
	63,538,417.20
	\$114,670,653.26

E. S. CLOUSTON,
General Manager.

Bank of Montreal,
Montreal, 30th April, 1902.

THE GENERAL MANAGER.

Mr. Clouston then said: There is nothing of unusual interest calling for comment in the statement we lay before you this year. It shows a steady increase in our business, and a corresponding increase in our profits. The following are the principal changes as compared with last year. Our circulation has increased \$525,000, and the deposits \$14,139,000, making our total deposits here and in other countries \$86,825,633; quite a respectable amount, but still not large as compared to the deposits of banks with smaller capital in Great Britain and the United States. Our readily available assets have increased about \$10,000,000,

and our loans and discounts \$4,360,000. The overdue debts, secured and unsecured, are \$77,000 greater, but we believe that we have amply provided for any possible loss. The profits show an increase of \$63,630, after paying all charges of management, all additions and repairs to our bank premises, and making provision for bad and doubtful debts. I think you will agree with me that the statement is a fairly satisfactory one.

Nor have I anything of importance to say on matters outside our own statement. Generally speaking, the past year has been a prosperous one for Canada, and so far the hand of the commercial barometer still stands at "fair." The revenues of the country are large; railway earnings are steadily increasing; farmers are prosperous; the outlook for lumber is improving, and the tide of immigration has set in with greater volume, ensuring to Western Canada, and indeed to the whole country, more rapid progress in population and material prosperity. The natural resources of the country are being steadily developed. The output of coal is increasing; and it looks as if we were on the eve of important results in the iron and steel industry. There are indications also that the recent consolidation of Atlantic steamship lines by an American syndicate will compel Canada, in self-defence, to take up the question of a fast Atlantic service, and if we wish to secure immigration, retain the traffic properly belonging to our own ports, and safeguard the interests of our commerce, we must see that the service, both passenger and freight, is second to none in speed and equipment. There have been exceptions, and some industries have not shared in the general prosperity, but these can in most cases be traced to undue competition and bad management. Mining in British Columbia is still highly unsatisfactory, and it may be some time yet before it recovers from the collapse of the last two or three years.

The stock exchanges of Canada have shown an activity unexampled in the history of the country, and though speculation has been rife, there has been a certain foundation for the advance in the quotations of securities, and

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

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

Patricroft, Manchester, England.

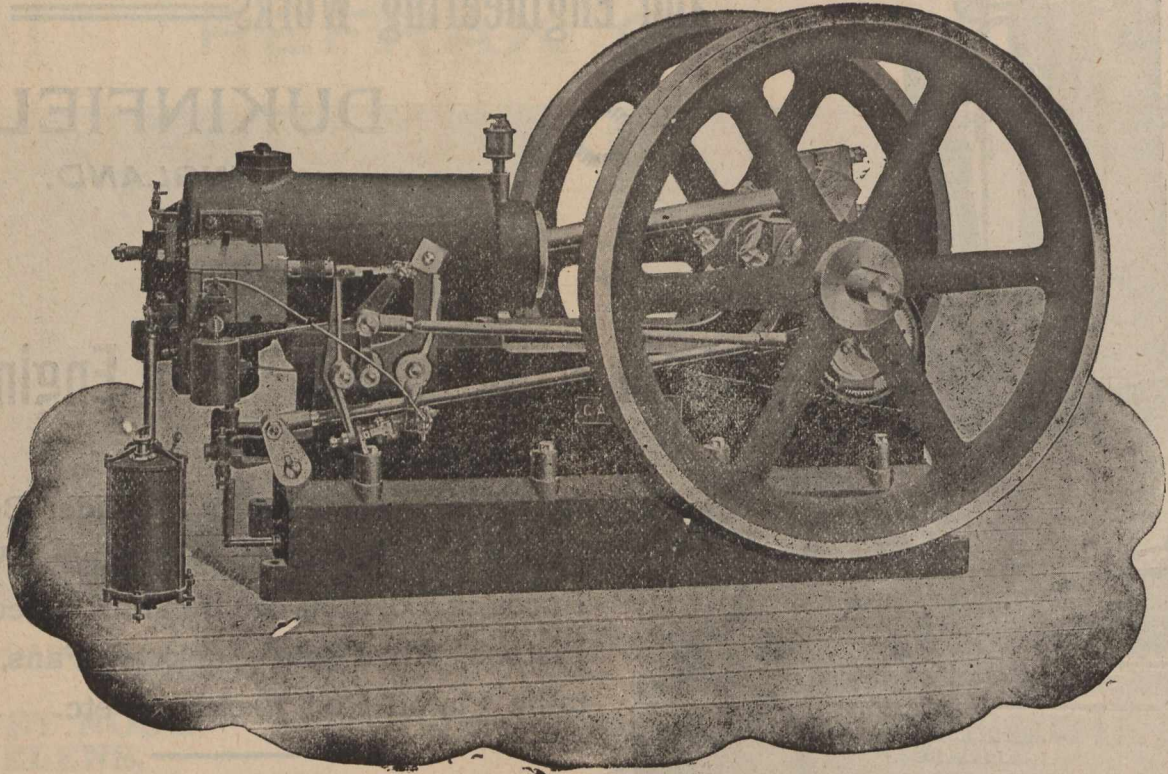


Photo of 20 B. H. P. Oil Engine.

Makers of :

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

LONDON OFFICES AND SHOWROOMS,

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

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

87 QUEEN VICTORIA STREET, E. C.

it is not entirely the wild, reckless state of affairs that foreign critics profess to believe exists here. Still, there is danger of speculation being carried beyond legitimate bounds, and we have probably reached a point where investors and lenders would do well to look more closely into the intrinsic value of the securities they purchase or accept as collaterals.

If there are any questions relative to the business of the bank on which the shareholders wish explanation, I shall be pleased to answer them.

THE CHAIRMAN'S ADDRESS.

Hon George A. Drummond then said: Gentlemen,—The statements presented by Mr. Clouston will, no doubt, be received by you with satisfaction, showing as they do the prosperity and progress of the bank.

That it has made substantial progress you may gather from the figures periodically submitted to you.

In 1873, when the capital was raised to its present amount of \$12,000,000, and the rest stood at \$5,000,000, the assets were about \$35,250,000.

In 1880 they were nearly 45 millions (\$44,661,681).

In 1890 they were over 46 millions (\$46,166,448).

In 1900 they were nearly 79 millions (\$78,852,197).

And in the present year over 100 millions (\$113,000,00).

The keen competition among banks necessitates a greatly enlarged business to maintain dividends, and the public gets its financial business done much more cheaply now than formerly.

The increase of our rest by one million of dollars will, no doubt, commend itself to your judgment as a prudent step, and should enhance the value of our property.

The large addition to our Head Office Building, now in progress, was rendered necessary by the inconvenient

overcrowding of our present premises. The addition is on a considerable scale, and will, it is hoped, suffice for the wants of the bank for years to come. Large as it is, however, it is not more in advance of our present wants than our present structure was when erected to the conditions then existing.

The beautiful facade of our present building will not be impaired; but the interior will be remodelled to adjust it to the new premises and make it fireproof.

The marked increase in the general banking business of the Dominion is an evidence of the prosperity of the country. Since April, 1897, the total assets of all the banks have increased from \$243,400,000 to \$448,300,000; the deposits alone having risen from \$196,700,000 in the former year to \$339,000,000, and the note circulation from \$30,800,000 to \$50,700,000.

The Bank of Montreal has fully shared in the great improvement in business above noted, the general increase in the public deposits in the last five years being equal to 72½ per cent., and that of our bank alone considerably exceeds 100 per cent.

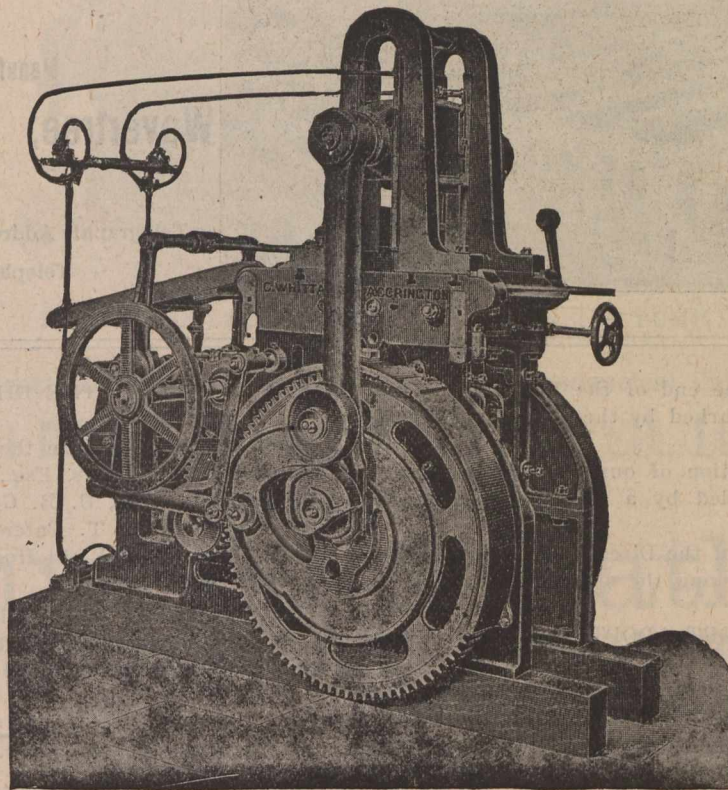
The conservative course of your directors in continuing to strengthen the resources of the bank will, I am sure, meet with your approval, for while the general prosperity of the country shows no sign of abatement, it seems an undeniable proposition to say that bad times may be expected sooner or later.

In commercial matters generally nothing is so striking as the growth of the foreign commerce of the Dominion. In the first nine months of the current fiscal year, that is to March 31st, the aggregate foreign trade has reached \$302,500,000, as compared with \$282,300,000 in the corresponding period of the preceding year, while only five years ago our foreign commerce for the entire period of twelve months barely reached \$249,000,000, a figure, which in the

..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.

fiscal year ending this month will probably be exceeded by more than 50 per cent. This expansion covers both exports and imports.

The most gratifying feature of the trade returns is the increased sales abroad of Canadian products, which from 1st July to 1st April amounted in value to \$144,547,000, and for the full period of twelve months will probably exceed \$190,000,000; whereas six years ago the value of our shipments was only \$110,000,000.

Products of the soil still constitute much the largest portion of this trade, but it is satisfactory to note that in manufactures the increase is about 30 per cent., or as \$12,800,000 to \$9,800,000; and I need scarcely refer to the enormous activity in the production of iron, steel, nickel, etc., to say nothing of the extraction of the precious metals, which for the present is under a cloud.

Meanwhile the carrying trade of the country has been in an unprecedented state of activity and prosperity; the great railways are spending liberally on track improvements and rolling stock to meet the demands on them, and new trunk lines are under construction.

Immigration is increasing rapidly, and will have a favourable influence in every direction. Lands, especially in the North West, which have for years been in little demand, have latterly been actively sought for and taken up.

Turning to general conditions outside of the Dominion, the immense aggregations of capital in the hands of corporations and individuals is bringing about economic results of the most startling character. The control of railway lines, the absorption of ocean transport, the

consolidation of industries, all fly directly in the face of economic theories based on unlimited competition, and he would be bold who attempted to predict the outcome.

No fewer than four new banks were incorporated during the present session of Parliament.

Questions of vital importance to ourselves and the Empire are to be considered by the Imperial Government and the Premiers of the Colonies, at the conference to be held in London; its decisions will be watched with absorbing interest and involve momentous possibilities.

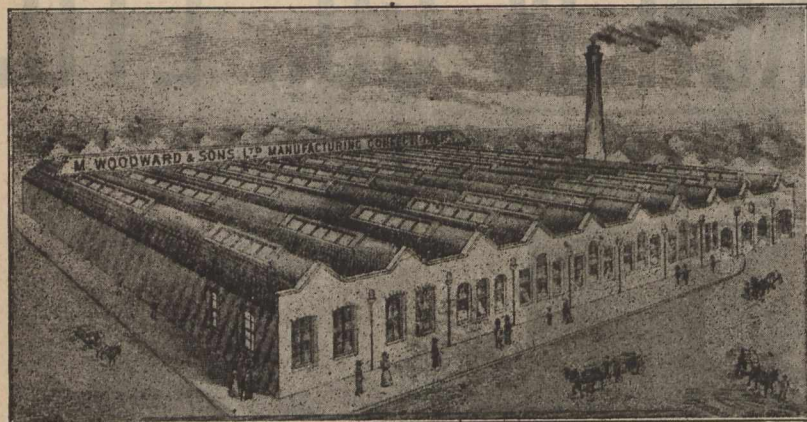
The present moment seems to be most favourable for securing an independent line of steamships to a Canadian port. They should in speed and equipment be equal to any afloat, and the prospects of financial success for the undertaking were never, in my opinion, so bright as now, while its realization would be of enormous benefit to this country.

It is with the highest satisfaction and gratitude that we receive to-day the news of peace in South Africa.

Compared with the proud satisfaction we feel at having had a share in bringing the harassing and protracted struggle to a successful termination, all the sacrifices made by the country are trivial. But the gratitude we owe to those who fought and bled for us will never, I trust, be forgotten. The glorious record of courage and endurance made by her sons has lifted Canada into a higher plane of national life.

The auspicious visit last autumn to this country of Their Royal Highnesses the Duke and Duchess of Cornwall and York was the occasion of the unanimous display

ESTABLISHED 1848.

M. WOODWARD & SONS, Ltd.,**WHOLESALE & EXPORT****Manufacturing
Confectioners,**

Manufacture and Office :

Wavertree, - Liverpool, Eng.

Telegraphic Address: "TOXTETH, Liverpool."

Telephone 44, Wavertree.

of loyal welcome from one end of the Dominion to the other, and was happily marked by the absence of misadventure of any kind.

The approaching coronation of our Gracious Sovereign will, we trust, be succeeded by a long and prosperous reign.

I move that the report of the Directors be adopted and printed for distribution among the shareholders.

THE REPORT ADOPTED.

Mr. A. T. Paterson, in seconding the motion for the adoption of the report, said that it was quite unnecessary to add anything to the remarks which had fallen from the chair and to the statement made by the General Manager, beyond stating that he entirely concurred in them, and endorsed them. There was one thing, however, to which he might refer, and that was that on that day he had come of age, not personally, but as a director of the bank, and he wished to take the opportunity of thanking the shareholders for their long continued confidence in him. He also wished to say that his many years' experience as a director enabled him most thoroughly to endorse the statements made as to the improvement in the position of the bank.

After a few remarks by Mr. John Morrison, the motion for the adoption of the report was unanimously agreed to.

Hon. James O'Brien moved: "That the thanks of the meeting be presented to the President, Vice-President and Directors for their attention to the interests of the bank."

This was seconded by Mr. Donald Macmaster, K.C., and having been adopted unanimously, was acknowledged by the Chairman.

Mr. E. B. Greenshields moved: "That the thanks of the meeting be given to the General Manager, the Inspector, the Managers and other officers of the bank, for their services during the past year."

The motion was seconded by Mr. James Ross, and the Chairman having added that he fully concurred in it, and thought it was exceedingly well deserved, it was unanimously carried, and was acknowledged by the General Manager.

Mr. George R. Hooper moved: "That the ballot now open for the election of Directors be kept open until 3 o'clock, unless fifteen minutes elapse without a vote being cast, when it shall be closed, and until that time, and for that purpose only, this meeting be continued."

This was seconded by Mr. C. J. Fleet, and unanimously agreed to.

On the motion of Mr. John Morrison, seconded by Mr. A. F. Gault, a hearty vote of thanks was accorded the chairman for his conduct of the business of the meeting, and he acknowledged the same.

THE DIRECTORS.

The ballot resulted in the election of the following directors: R. B. Angus, Esq., Hon. George A. Drummond, A. F. Gault, Esq., E. B. Greenshields, Esq., Sir William C. Macdonald, A. T. Paterson, Esq., R. G. Reid, Esq., James Ross, Esq., Right Hon. Lord Strathcona and Mount Royal, G.C.M.G.

At the meeting of the Directors on Tuesday morning, Lord Strathcona and Mount Royal was re-elected President, and Honble. George A. Drummond Vice-President.

THE QUEBEC BANK.

Proceedings of the 84th annual meeting of the shareholders of the Quebec Bank held in the Banking House, Quebec, on Monday, the 2nd of June, 1902.

Present: Messrs. John Breakey, John T. Ross, Wm. A. Marsh, Vesey Boswell, F. Billingsley Edson Fitch, Alfred Piddington, Robert Brodie, Wm. Brodie, Heber Budden, Thos. H. Norris, Archibald Laurie, G. E. A. Jones, T. S. Hetherington, Captain Carter, John Shaw, and others.

On motion of Mr. Vesey Boswell, seconded by Mr. Wm. A. Marsh, the chair was taken by Mr. John Breakey, and Mr. John Walker requested to act as Secretary of the meeting. Carried.

The Chairman read the report of the Directors, and Mr. Thomas McDougall, General Manager, read the statement of the affairs of the Bank as on the 15th of May, 1902.

DIRECTORS' REPORT.

Report of the Directors of the Quebec Bank to the Shareholders at their Annual General Meeting held at the Head Office of the Bank in Quebec, on Monday, the 2nd June, 1902:

The Directors of the Quebec Bank beg to present to its shareholders the General Statement of its affairs, together with its Profit and Loss account, for the year ended 15th May, 1902.

The figures herewith produced exhibit a profit of \$251,920.37, after paying expenses of management and providing for bad and doubtful debts, also rebate of interest and interest on deposits. Out of this amount dividends have been paid equal to six per cent. per annum, and a sum of \$100,000 has been placed to the credit of the Rest Account, which now stands at \$800,000.

The sum of \$5,000 has been added to the previous appro-

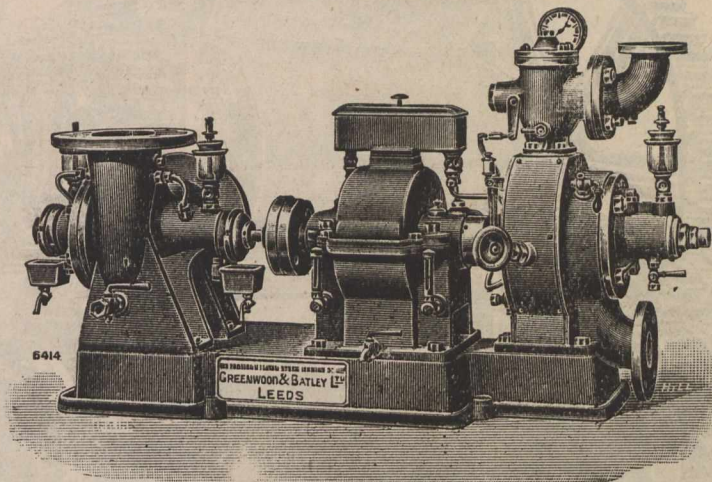
Machines in use, 2402

HP. 71,786.

Made from 1½ to 300 HP.

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

Agents for Australasia:
JAMES BARTRAM & SON, Melbourne.



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

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

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.

provision for a Pension Fund, making a total amount of \$10,000, reserved so far for that purpose.

Premises have been secured at St. Romauld, County of Levis, P.Q., for a Branch Office there, which will be opened for business on the 16th instant.

All the offices of the Bank were duly inspected in the course of the year.

All of which is respectfully submitted.

JOHN BREAKHEY,
President.

GENERAL STATEMENT, 15th May, 1902.

Liabilities.	
Capital stock	\$2,500,000.00
Rest	\$800,000.00
Reserved for interest due to depositors, and for Rebate of Interest on Current Bills discounted	117,060.73
Balance of Profits carried forward	44,776.41
	\$961,837.14
Unclaimed Dividends	1,619.40
Half-yearly Dividend, No. 160, payable 2nd June, 1902	75,000.00
	1,038,456.54
Notes in circulation	\$1,411,627.00
Deposits not bearing interest	998,308.07
Deposits bearing interest	6,124,380.90
Balances due to other Banks in Canada	87,704.94
Balances due to Agents in Great Britain	261,296.46
	8,883,317.37
	\$12,421,773.91

Assets.	
Specie	\$276,509.94
Dominion Notes	591,076.00
Balances due by Agents in foreign countries	42,497.14
Deposit with the Dominion Government for security of Note Circulation	90,230.00
Notes of and Cheques on other Banks	356,256.33
Bonds and securities	1,037,201.16
Call Loans on Bonds and Stocks in Canada	1,878,965.09
Call and Short Loans elsewhere than in Canada	200,000.00
Loans to other Banks in Canada secured including Bills re-discounted	218,683.01
Deposits made with, and Balances due from other Banks in Canada	4,110.80
	\$4,695,529.47
Time Loans on Bonds and Stocks	\$65,667.39
Notes and Bills discounted Current	7,333,830.15
Overdue debts	22,372.48
Real Estate other than Bank Premises	57,734.78
Mortgages on Real Estate	25,945.07
	7,505,549.87
Bank Premises and Furniture	220,694.57
	\$12,421,773.91

THOMAS McDUGALL,
General Manager.

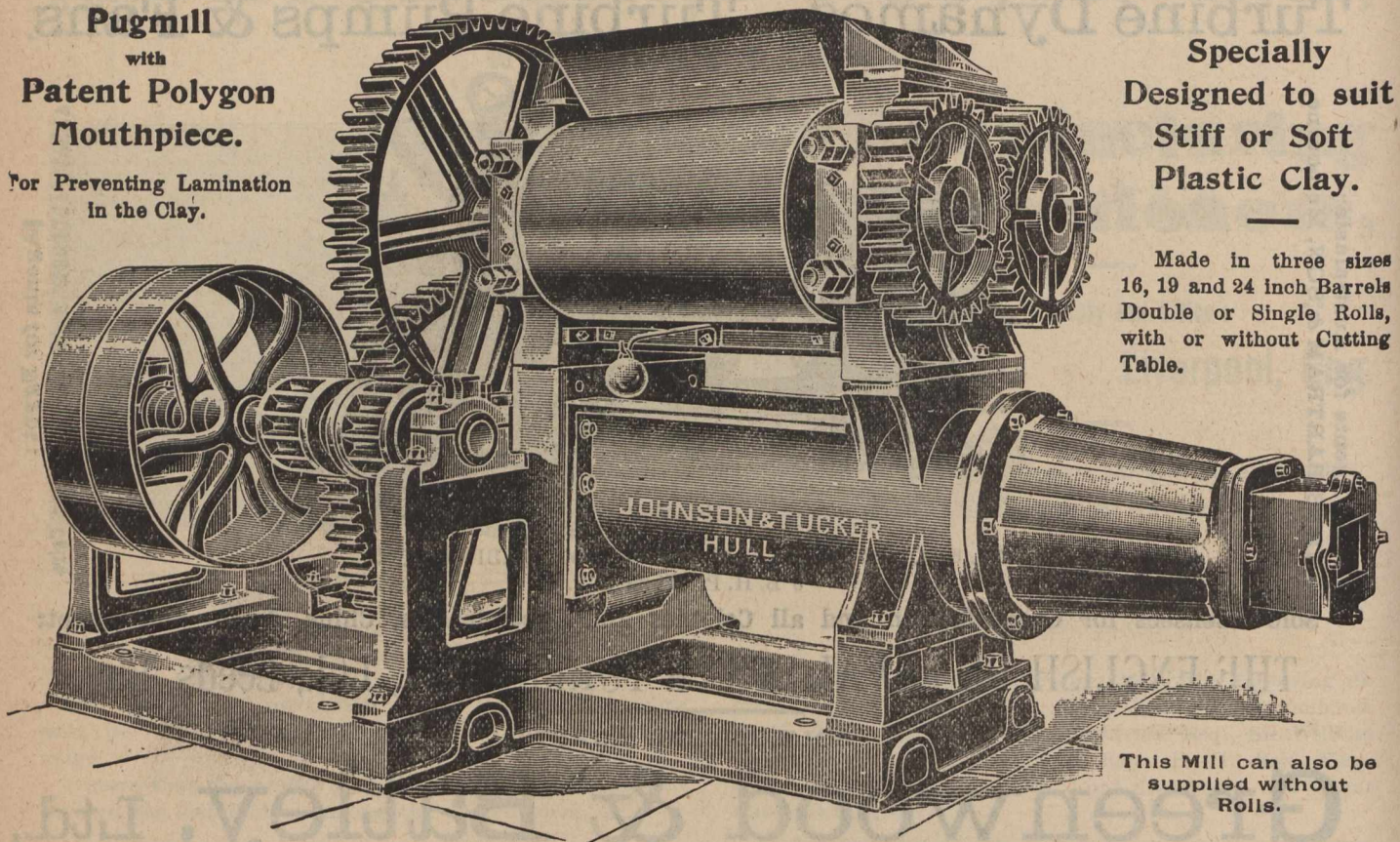
Quebec Bank,
Quebec, 15th May, 1902.

Johnson & Tucker

Wilmington,
Hull, England.

(Late SHEPHERD, HILL & Co.,

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



Specially
Designed to suit
Stiff or Soft
Plastic Clay.

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

This Mill can also be
supplied without
Rolls.

PROFIT AND LOSS ACCOUNT.

Balance at Credit of Profit and Loss Account, 15th May, 1901	\$47,856.04
Profits for year ended 15th May, 1902, after de- ducting charges of management and mak- ing provision for bad and doubtful debts....	251,920.37
	\$299,776.41
Dividend 3 per cent. paid 1st Decem- ber, 1901	\$75,000.00
Dividend 3 per cent., payable 2nd June, 1902	75,000.00
Reserved for Pension Fund	5,000.00
Added to Rest	100,000.00
	\$255,000.00
Balance at Credit of Profit and Loss Account carried forward	\$44,776.41

Moved by John Breakey, Esq., seconded by John T. Ross, Esq., that the Report and Statements now read be adopted and published for the information of the Shareholders. Carried.

Moved by Capt. Carter, seconded by G. H. Norris, Esq., that the thanks of this meeting be given to the President, Vice-President and Directors for their valuable services during the past year. Carried.

Moved by Wm. Brodie, Esq., seconded by A. Piddington, Esq., that the thanks of this meeting be given to the General Manager, Inspector and Managers and other Officers of the Bank for the efficient manner in which they have discharged their duties. Carried.

Moved by Robert Brodie, Esq., seconded by Heber Bud-
den, Esq., that John Shaw, Esq., and T. S. Hetherington,
Esq., be appointed Scrutineers of the ballot and that the
ballot box be now opened and remain open until 4.30
of this day, for the election of Directors, and that if five
minutes elapse without a vote being cast, the Scrutineers
be empowered to close the ballot box. Carried.

The Scrutineers subsequently reported, as the result of the ballot, that the following gentlemen were elected Di-
rectors for the ensuing year, namely: John Breakey, Esq.,
John T. Ross, Esq., Gaspard Lemoine, Esq., W. A. Marsh,
Esq., Vesey Boswell, Esq., F. Billingsley, Esq., and Edson
Fitch, Esq.

Moved by John Breakey, Esq., seconded by John T. Ross,
Esq., that the thanks of this meeting are hereby tendered
to the Scrutineers for their services. Carried.

The Chairman having vacated the Chair, it was moved
by John Shaw, Esq., seconded by T. S. Hetherington, Esq.,
that the thanks of this meeting be given to John Breakey,
Esq., for his services in the Chair. Carried.

At a meeting of the Directors held immediately after
the Annual Meeting, John Breakey, Esq., was re-elected
President, and John T. Ross, Esq., Vice-President.

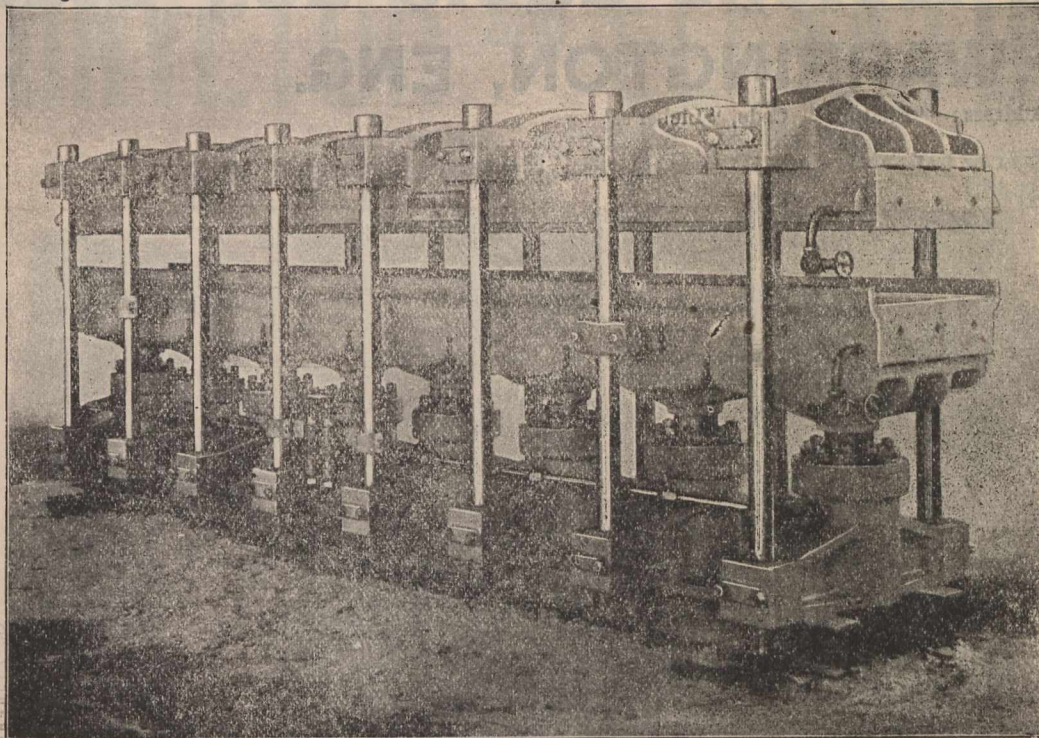
LEGAL RECORD.

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

WRITS ISSUED—ONTARIO.

Anderdon—G. Meloche vs Victoria Meloche, \$2,000; Mel-
bourne—Dyment-Baker Lumber Co. vs Walter Philp, \$562;
Ottawa—Union Bank vs Arch Stewart, \$11,677; Stony
Creek—H. Lee vs Geo. Slingerland, \$600; Toronto—A. B.
Cameron vs E. A. Grant et al, \$2,427; Hay Tp.—Maggie
Pfaff vs Jacob Cuntz and wife, \$5,000 damages; Toronto
—A. Nairn vs Ontario Industrial Loan & I. Co., \$40,162;

IDDON BROTHERS



INDIA RUBBER ENGINEERS,

Brookfield Iron
Works,

LEYLAND,
nr. Preston,
ENGLAND.

Engineers and
Rubber Machinists,

Plans for erection and Com-
pletion of New Rubber Works
throughout, on the most mo-
dern principle.

SPECIALITIES: All kinds of
Rubber Machinery.

SPECIAL NOTE: Buyers of Rubber Machinery, have 33½ p.c. in their favor by purchasing from the Makers and Inventors in England under the new Canadian Preferential Tariff.

Marie L. Stone vs J. H. Stone et al, \$990; Woodstock—
Massey-Harris Co. vs M. Virtue, jr., \$664.

WRITS ISSUED—BRITISH COLUMBIA.

Atlin—D. T. Lees, \$305; Vancouver—John McLean, \$414.

JUDGMENTS RENDERED—ONTARIO.

Bracebridge—R. Emerick agt D. Boyd & Co., \$696; Des-
eronto—W. H. Clark et ux agt John McCulough and John
Newton, \$879; Edy's Mills—Sterling Bros. agt Kersey Bros.,
\$309; Napanee—London Mutual Fire Ins. Co. agt G. W.
Snider, \$500; Ottawa—O. Beaudry agt H. Gallien, \$2,107;
La Banque Nationale agt La Compagnie d'Imprimerie et al,
\$321; Toronto—Farmers' L. & S. Co. agt J. J. Graham,
\$7,244; Farmers' L. & S. Co. agt E. H. Hilborn, \$1,490;
Toronto General Trusts agt W. A. Smith et al exrs, \$896
York Tp.—J. Hill agt Jno. and Jno., jr., Rogers, \$833;
Brantford—A. J. Wilkes agt Mary R. Kearney, \$450; To-
ronto—E. Gegg agt World Newspaper of Toronto, Ltd., et
al, \$320, settled.

JUDGMENTS RENDERED—QUEBEC.

Cedars—G. C. Poupore agt A. Onderdonk, \$435; Montreal
—Quebec Bank agt Amos Cowan, \$458; A. Brodeur agt G.
S. Cuvilier, \$296; J. A. C. Madore et al agt Arthur Labbe,
\$181; A. Lapierre agt Louis, Monette, \$522; R. Prefontaine
agt Shawinigan W. & P. Co., \$2,299; C. Archer et al agt
Shawinigan W. & P. Co., \$500; Delle. Zoe Lachapelle agt
J. E. Wilder et al, \$412; Beauvillage—H. Dupre agt Pla-
cide Robillard, \$379; Montreal—P. Gravel et al agt T. Bte.
Huboux, \$420; C. E. Smith agt Ovide Moreau, \$622; G. G.
Gaucher agt M. A. O'Brien, \$264; Montreal—A. Manseau
agt Delle U. Roy, \$199; J. H. Morehouse agt Wm. Vipond,
et al, \$5,811; J. H. Migneron agt Ant. Yon, \$336.

JUDGMENTS RENDERED—NEW BRUNSWICK.

Perth—C. C. Rogers, \$386; St. Louis—P. F. X. Vantour Co.,
\$640.

JUDGMENTS RENDERED—BRITISH COLUMBIA.

Victoria—B. C. Cold Storage and Ice Works, \$385.

JUDGMENTS RENDERED—NOVA SCOTIA.

Halifax—M. A. Boreham, \$2,641; Sydney—Donald & Gold-
smith, \$406; Weymouth—Jos. Ethier, \$532.

EXECUTIONS—QUEBEC.

Montreal—Grand Trunk Railway Co. agt A. Goldstein,
\$511; E. Cavanagh agt O. Legault et al, \$198; St. Henri—N.
Quintal et al agt Felix Gougeon, \$416; Melbourne—L. Boyer
agt P. A. Lariviere, \$350; Montreal—H. A. Mackie agt De.
Fannie Brunett, \$2,290.

CHATTEL MORTGAGES—ONTARIO.

Bowmanville—John Brewer to W. Duckworth, \$570;
Bracebridge—Jas. Whitten to B. W. Tillson, \$1,000; Bright-
ton—Jas. McEvoy to L. Reinhardt, \$900; Kincardine—J. S.
and Mrs. M. L. Gadd to W. M. Dack, \$800; Mornington—
John Nicholl to Sawyer & Massey Co., \$1,150; Oakville—
C. A. Decker and wife to J. Gompf, \$2,050; Ottawa—M. M.
and Edward Babin to N. H. McKinnon, \$680; Louis La-
framboise and wife to F. X. Demers, \$884; John Roos to
Sieyes, Genin & Co., \$2,740; Perth—A. T. McArthur to
McClary Mfg. Co., \$2,096; Peterboro—Mary Lane to H.
Seymour, \$1,260; Sprucedale—Robert Raaflaub to O'Keefe
Brewery Co., \$737; Robt. Raaflaub to G. J. Foy, \$940;
Tamworth—D. & J. F. Mitchell to Murphy, Gordon &
Co., \$1,000; Toronto—D. G. Chestnut to J. K. Macdonald,
\$710; J. J. Doyle to T. B. Taylor, \$6,652; Miss E. Evans et
al to A. W. Colley, \$700; Waterloo—David Bean to J.
Riehl, \$750; Belmont Tp—Gilbert Macmullen to P. Met-
calfe, \$1,189; Brantford—W. F. J. Mellagh to T. S. Cole,
\$3,691; Euphrasia Tp.—J. J. Cherry to McCullough &
Young, \$680; Goderich—R. C. King and wife to J. Clark,
\$700; Kingsville—W. J. Gilkinson to Martha Gilkinson,
\$925; Melancthon Tp.—J. W. Hodgson to J. A. Halstead,
\$5,000; Mersea—Mrs. Annie Pearce to J. Bailey, \$889; Mrs.
Annie Pearce to J. Bailey, \$889; Minto Tp.—W. L. Smith
et al to J. A. Halstead, \$2,575; Ottawa—G. H. Rogers to
W. C. May, \$1,799; Peterboro—Timothy Cavanagh to To-
ronto Brew. & M. Co., \$870; St. Thomas—John McCollom
to M. Boughner, \$1,120; Sandwich S.—Pat. Donovan to R.
Sweeten, \$3,000; Toronto—Athenaeum Club of Toronto,

The St. Helens Cable Co., Ltd.,

WARRINGTON, ENG.

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

Laying DIA's Impregnable Paper Cables on



WESTMINSTER BRIDGE, LONDON, Eng.

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

Ltd., to F. Nicholls et al, \$7,128; Mrs. Jennie Mossop to Cosgrave Brew. Co., \$5,000; Mrs. Jennie Mossop to O'Keefe Brew. Co., \$5,000; P. H. Patriarche and wife to A. Nelson, \$1,660; Westminster Tp.—Mrs. I. J. Millson to C. Millson, \$1,300; Windsor—Ed. Prouse to C. R. Sweet, \$624.

CHATTEL MORTGAGE—MANITOBA & N.W.T.

Winnipeg—M. F. C. Braithwaite, \$2,416; J. W. Buchanan, \$7,525; Minnedosa—Scott Bros., \$3,000; A. W. Reeves, \$850.

CHATTEL MORTGAGE—BRITISH COLUMBIA .

Rossland—Jas. Harper, \$600.

BILLS OF SALE—ONTARIO.

Midland—Turner Lumber Co., to Skillings, Whitney & Barnes, Lumber Co., \$13,267; Peterboro—R. F. Lockhart to Consolidated Electric Co., \$10,300; Hamilton—C. S. Scott, trustee, to Burton & Baldwin Mfg. Co., \$10,500; Thurlow—Geo. Burren to Lenora Burren, \$1,200.

BILLS OF SALE—NEW BRUNSWICK.

Moncton—J. D. LeBlanc, \$1,231; Miscoon Light—Harrison Kent, \$2,000.

BILLS OF SALE—BRITISH COLUMBIA.

Rossland—Jos. Fabin, \$600.

BILLS OF SALE—NOVA SCOTIA.

New Glasgow—D. R. Cameron, \$2,000.

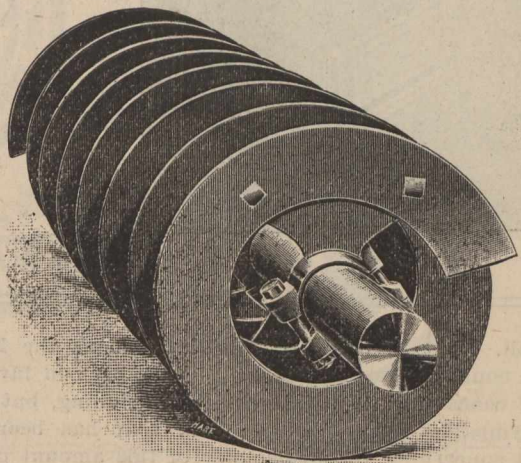
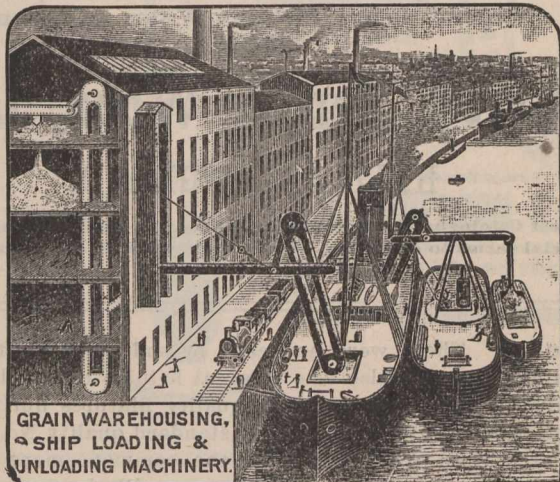
—Casualty Insurance Decisions.—The injury of an employee does not render a fund payable to the master under a policy insuring him against liabilities for injuries to employees a trust fund for the benefit of the injured employee; and therefore a good-faith settlement with the master before the employee obtains judgment against him, and without knowledge of any claim of the employee to the fund, and before he brings suit to subject it to his claim relieves the insurer from any liability to the servant, and the master may use the proceeds of the settlement as he sees fit, as there was no privity of contract between the insurer and the employee. *Bain vs Atkins et al*, 63 N.E. Rep. (Mass.), 414.—An insurance company cannot claim that an insured had changed his occupation from that stated in his application to that of a prospecting miner, which was one more hazardous, merely because he was, when he lost his life, on his way to Alaska, with the intention of engaging in such pursuit, when he had not entered upon it at the time of his death. *Aetna Life Ins. Co. vs Frierson*, 114 ed. Rep. (U.S.C.C.A., Tenn.) 56.—An incorporated insurance company may waive conditions which are for its benefit, notwithstanding a provision that no waiver shall be valid unless made in a prescribed way and by certain officials. Such a provision may be itself waived, as well as any other, the question in every such case being as to whether the waiver has been made by the corporation or one authorized to act for it in the matter. *Aetna Life Ins. Co. vs Frierson*, 114 Fed. Rep. (U.S.C.C.C.A., Tenn.), 56.—Provision in an employers' liability insurance policy that in case of accident "full particulars" thereof be given the insurer requires only such details as will enable the insurer to determine whether a claim is likely to be made on account thereof, and does not require insured to make an exhaustive inves-

Contractors to H. M. GOVERNMENT.

Telegrams: "CONVEYOR, ACCRINGTON."

CONVEYOR and ELEVATOR CO.

LOWER BRIDGE WORKS,
ACCRINGTON, Lancashire, Eng.



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

tigation of the circumstances, or to decide what the facts are on conflicting evidence. *Ward et al vs Maryland Casualty Co.*, 51 At. Rep. (N.H.) 900.—A finding that notice to the insurer of beginning of suit by employee against employers, given eighteen days after service of the writ on one of the employers, and two days before its service on the other, was "immediate," within provision of employers' liability insurance policy, is not unsupported by evidence. *Ward et al vs Maryland Casualty Co.*, 51 At. Rep. (N.H.) 900.—The word "immediate" in an employers' liability insurance policy, providing that on occurrence of an accident, and likewise if thereafter suit for damages is brought, immediate notice shall be given the insurer, means with due diligence under the circumstances of the case, and without unnecessary and unreasonable delay; and whether it is so given is a question of fact. *Ward et al vs Maryland Casualty Co.*, 51 At. Rep. (N.H.) 900.

—The U.S. Postmaster-General has called for bids to be opened on July 12 next for the contracts for installing pneumatic tube mail service in Boston, New York, Brooklyn, Philadelphia, Washington, Chicago, and St. Louis. The

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.

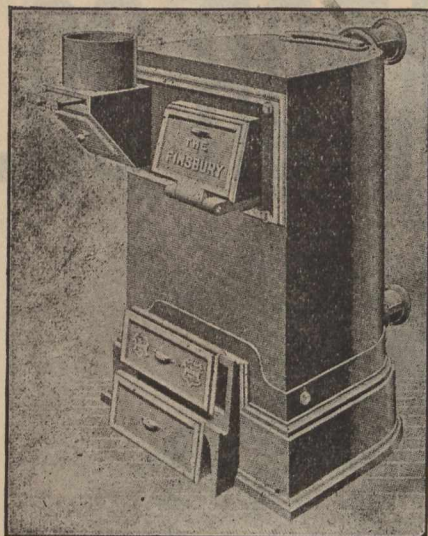
SOWERBY BRIDGE,
• ENGLAND,

ALSO AT
DARLINGTON.

bids are to cover either all or parts of the service planned in each city. The ultimate limit of annual expenditure in all the cities of the country for this purpose prior to July 1, 1904, as allowed by Congress is \$800,000, and each city is limited to an annual expenditure not to exceed 4 per cent. of the gross annual revenues for the preceding year. In Chicago the early completion of the new post office is anticipated by calling for bids making centres of both the present post office and the new post office locations. In St. Louis the pneumatic tube circuits are planned to run between the general post office and terminal station, the post office and the relay depot in East St. Louis and between the post office and post office annex. In New York there will be an east side circuit between the post office and Station H, near the Grand Central depot; a west side circuit between the same points and an uptown circuit supplying all post office stations as far north as 125th street, on the east and west sides of Central Park. In Philadelphia the original service between the post office and the Bourse Building will be re-established, with another circuit between the post office and the Reading terminal and Broad street depot, with a possible extension of the service to Station A, at Sixteenth and Chestnut streets. Circuits will also run north from the post office to post office stations S, O, J, and C, and south to stations P (Passayunk) and D, in the southwest part of the city, with a possible extension to West Philadelphia. The Brooklyn service will run from the post office southeastward to Station B. The Boston circuits are to run from the post office to the north union railroad station; another from the post office to the south terminal station and another from the latter station to Back Bay and Roxbury. In Washington it is proposed to establish the service between the general post office and the post offices in the Senate and House wings of the Capitol, with a possible extension to the East Capitol street post office station.

—Cuban reciprocity, or settlement of duty, has been bothering our neighbors for some time, but they appear to be settling the matter at last. A late Washington dispatch states that Representative McCall, of the Ways and Means Committee of the House, discussed the agreement which is said to have been reached by Senate Republicans in regard to reciprocity with Cuba on the basis of 20 per cent. for five years. "I have believed all along," said Mr.

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

McCall, "that 20 per cent. would be about the limit of what could be done for Cuba. I have been in favor of a tariff concession to Cuba from the beginning, but I have no sympathy with the loose talk that has been going about concerning the inadequacy of this amount of tariff reduction. Twenty per cent. means \$8,000,000 for Cuba. At the same rate per capita it would mean a trade concession of \$250,000,000 for England or \$450,000,000 for the United States. We should think a concession of that amount was something worth working for. The talk about doing away with the differential on sugar is also very absurd. As a matter of fact the margin between the amount of the differential and the cost of refining is not more than about twenty per cent. on such cost. This is not what could be considered very heavy protection when we take into account the high rates of duty which are now laid upon most of our imports. There have been altogether too many assertions also about the influence of the trust in matters where it really had little or no influence. Of course, the ultimate decision seems to rest with the Democrats in the House. What they will do no man can predict."

—A life insurance lawsuit is in progress in Buffalo, which is said to be arousing the suspicion of the company involved, in regard to the possible part that the agent of the company may have played. A Buffalonian is reported to have died some time ago with a \$5,000 policy in force, leaving the beneficiary, the widow, without knowledge of it. Some time afterward she was visited by a city lawyer, who told her of the policy and said that it was a doubtful case, but he would make an effort to collect the money if she would give him half, she to assume no expense if he failed. The company made no objection to paying the claim, but ignored the attorney and sent the full amount to the widow. The attorney has now sued the widow on the contract made with her. The defence will be that the contract was obtained by fraud and misrepresentation of the facts. Of course, the attorney must have had some friend on the inside to give him the facts of the case. Was it the agent or some sub-agent? The case, says the Insurance Press, also brings up the responsibility of the agent to the beneficiary. Was it not his duty to inform her? Again, may it not be possible that he was ignorant of the death of the policyholder, as no claim was made? Such instances are on record. Names will be given if this case comes to actual trial.

—The export of native silk from Japan during 1901 was most satisfactory, very high figures being reached. This state of affairs was due to the large stock of 20,000 bales carried over from the previous year and to the exceptional bulk of the business done during the second half of the year. The demand for raw silk in the United States was unusually brisk during the latter period, and the same may be said of the demand in Europe, though to a less

extent. There were no heavy or sudden fluctuations in values, and this also was of great help to the trade. The highest price paid for extra quality filatures during 1901 was £99 to £100. Prices for standard quality No. 1½ filatures were £84 to £85 at the commencement of the year, rose to £96 to £97 for new silk in August, and closed in December at £92 to £93. The Japanese were current sellers throughout, and marketed their silk at most remunerative rates. As in the case of the raw material, so with silk tissues; there was a very large demand for kaiki and habutai. Hong Kong took the largest quantity, and large orders from France, the United Kingdom, and the United States swelled the volume of exports. In spite of a larger sale of silk handkerchiefs in America, the number of dozens exported was less than in 1900.

—A London cable of the 30th ult. states that the time limit for the White Star Line shareholders to intimate their acceptance or otherwise of the Morgans' offer in connection with the shipping combine has expired. The shareholders have practically unanimously approved the proposals made. The shareholders of the Dominion Line have reached a decision similar to that of the White Star Line shareholders. The Shipping Gazette confirms the statement that the shareholders of the Holland-America Line have ratified the agreement, arrived at in April last, providing for the line entering the shipping combine. A circular setting forth the advantages of the Holland-America Line entering the shipping combine, was submitted to the shareholders at a meeting held at Amsterdam April 29. The circular also asked for approval of an increase in the company's capital for that purpose. Previous to this, however, it had been announced that the line would join the combine. It was reported shortly after the meeting of the shareholders of the White Star Line, May 17, at Liverpool, that they had decided to ratify the agreement made with the shipping combine.

—Life Pointers from the Press.—If your lungs are weak and you are predisposed to bronchitis, keep out of the premature open street car—more especially if your life is not insured. If you are thus predisposed, the chances are you cannot get a policy. Try it, and find out. You might as well know.—"The Major" says "a clear conscience and a good-sized life insurance policy entitle any man to a good night's sleep." The man who has a good-sized insurance policy will get a good night's sleep—if he keeps the premiums paid up to date.—Don't put any rebate in your calculations for taking out a policy. The agent cannot work for nothing, and insurance with rebate is a bad mixture for the policyholders. Get the genuine article and pay the price. "Live and let live."—Build not castles in the air. They will not house your family. Take out a good life insurance policy for them. That will prove no dream, but a solid fact.—Knowing your dependents are provided for in the future, you may "sing

“RED HAND”

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

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

Manufactured by
D. ANDERSON & SON, Ltd., Lagan Works, Belfast, IRELAND
Hand-books with your Specialities, Name and Address, free.
LOYALTY TO THE TRADE IS OUR MOTTO.

away sorrow and cast away care,” as Cervantes said. So provide and sing.—Cervantes also wrote: “Delay always breeds danger.” Bear it in mind and make application now. Do not even wait till to-morrow for you may then be elsewhere, to stay forever.—“In a good old age” an endowment policy will be a treasure.

—Alarmed at the determination of the American Fertilizing Trust to gain a foothold in Germany in order to wage a price war, says a Berlin cable, the powerful German potash syndicate, wherein the Prussian Government is the principal factor, has made overtures to the Virginia and Carolina Chemical Company for a treaty of peace. The Virginia and Carolina Chemical Company acquired options on the mines and works owned by Julius Ribbert, of Hanover, to the extent of 500,000 marks (\$119,000). These mines, which are now the property of the American company, are the most extensive holdings outside of the 21 plants belonging to the Government potash syndicate. With the possession of these Hanover mines the Prussian syndicate admits that the Americans have gained a foothold in the country which may ultimately give them full control of the potash business and may enable them to force the home combine to terms of competition or purchase. Nothing since Morgan's steel and shipping deals has agitated the German industrial world like these potash negotiations. The German press is maintaining an energetic campaign against allowing the Americans to capture the industry.

—The steamer Montreal, the largest steamer in Canada, built by the Bertrams of Toronto, for the Richelieu & Ontario Navigation Company, arrived safely at this port last week. The chief difficulty was in getting her through the dangerous Lachine Rapids safely, and the vessel lay to at Lachine for several days waiting for favorable weather conditions. These being received, the big steamer, under charge of the two skilful pilots, passed through safely. A large crowd were waiting on the wharf at Montreal for her arrival, and when she appeared was greeted with a chorus of whistles from all the Richelieu steamers in port. Mr. Rodolph Forget, of the Richelieu Board of Directors, and a number of the officials were present. It was remarked that the new boat was a credit to Canadian enterprise, and would be a great advertisement for the St. Lawrence route. The new boat will proceed to Sorel to receive her finishing touches, and will, as soon as arrangements are completed, be put on the route between Montreal and Quebec.

—There has been an unusually heavy influx of aliens into the United States during May, and it is stated that all

previous records at New York will be broken. Immigration Commissioner Williams, says that the figures for the month will exceed 88,500. This far exceeds the previous record for a single month, which was established in May, 1893, ten years ago, when 73,000 immigrants landed at Ellis Island. The majority of the immigrants who are taxing the steerage capacity of the transatlantic steamships are coming from southeastern Europe, while the bulk of those arriving ten years ago came from Ireland, Germany, Norway, Sweden and Denmark. Seventy per cent. of those arriving now are from Italy, Austria, Hungary and Russia. At least 53 per cent. of those arriving are undesirable, as they have no trade or regular vocation, and remain in and about New York. Of the other 47 per cent. the large majority are farmers and leave at once for the Northwest, where they settle down and become excellent citizens.

—A London dispatch states that eggs from New Zealand, as fresh as the day they were laid, mark the latest stride in food preservation. Some remarkable experiments and tests with a case of eggs from that colony, treated by the “Ellis system,” were carried out at the offices of the Agent-General for New Zealand. The eggs were shipped among the ordinary cargo and not in the refrigerating room, and proved to be fresh and good in taste and smell, although four months' old. The “Ellis system” is not one of preservation in lime or coating with preservatives, and a revolution in the egg trade may result from this discovery.

—Berlin advices of the 30th ult., state that the Virginia-Carolina Chemical Company and the German potash syndicate have reached a “community of interest” agreement according to which there is to be no competition between them and in the future potash will be sold to the Virginia-Carolina Company on favorable terms. All the properties acquired in Germany by the Virginia-Carolina Company are to join the syndicate here. These properties are roughly valued at \$5,000,000. S. T. Morgan, president of the Virginia-Carolina Company, said to-day to a representative of the Associated Press: “We have concluded to work together and not to pull each other down; in Germany the price of potash will not be changed.”

—At a meeting of the Board of General Managers of the Lake Lumber Carriers' Association held in Chicago recently, all members owning vessel tonnage agreed to withdraw some of their boats from the trade and preserve freight rates as prescribed in a circular letter sent out by the Carriers' Association, early in the week. Presi-

YORKSHIRE RELISH

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

Proprietors, GOODALL, BACKHOUSE & CO., LEEDS.

AGENT FOR CANADA

ENGLAND.

CHAS. GYDE,

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

dent Frank Gilchrist presided at the meeting, which was well attended by members in person, and more than 150 telegrams were received approving the action.

—A consignment of 250,000 pickerel fry has been placed in the south branch of the Thames at London, Ont.

—Galt, Ont., has carried three by-laws, one for a district park, a second for waterworks extension, and a third for a Carnegie library site.

—The Toronto City Council fixed the tax rate at 19½ mills.

THE LIGHT, HEAT & POWER CO.

The annual general meeting of the Montreal Light, Heat & Power Co., held on Wednesday last, resulted in the re-election of the old board of directors, with Mr. H. S. Holt as president, the other directors being Messrs. James Ross, Rudolphe Forget, Hon. L. J. Forget, Hon. R. Mackay, Lieut.-Colonel F. C. Henshaw, H. Montagu Allan, C. E. L. Porteous, and Hon.

H. B. Rainville. Arrangements were made to facilitate the transfer of shares, which under an existing by-law could not be effected by anyone owing for service, an objection taken by the New York stock exchange. President Holt's remarks were practical and to the point, but "c'est va sans dire." The development of the Ste. Therese rapids, a few miles above the company's power house, at Chambly, will add materially to the present facilities.

—At the annual meeting of the Eastern Townships Bank, held at Sherbrooke, Que., on the 4th instant, the important business aside from the usual routine matters was the election of president to succeed R. W. Heneker, Esq., who has resigned, and will retire to England. The choice fell upon Mr. Wm. Farwell, since 1861 general manager of the institution. His election to the presidency is consid-

Cable Address: EILLS, Liverpool.

EILLS & COMPANY,

LIVERPOOL, Eng.

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

Confectioner, 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.

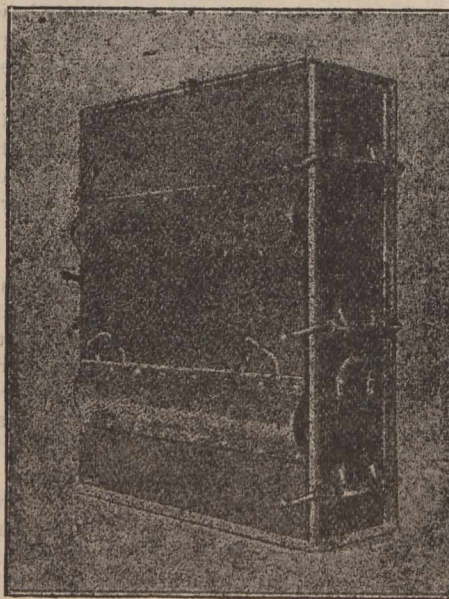
OFFICE:

12 Hanover Street, - LIVERPOOL, Eng.

Special rates to Canadians under the New
Preferential Tariff

SOAP FRAMES

PATENTS—No. 5107/93; No. 10362/99.



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

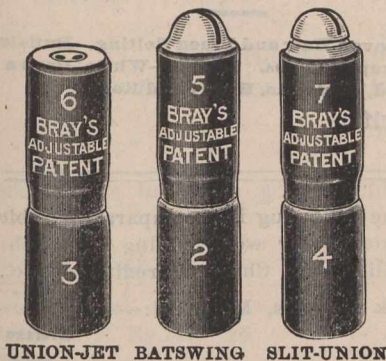
Easily Erected. Self-Caulking. Guaranteed not to Warp.
Wheels and Axles fitted if required.

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

Soap Trade Supplied under the new Tariff

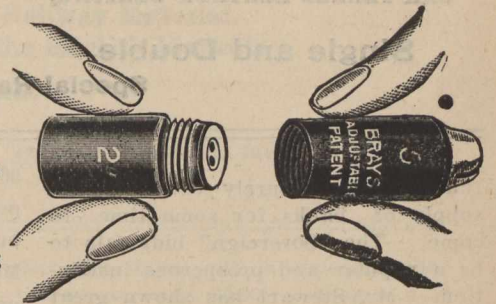
Bray's "Adjustable Special" Gas Burners

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



SIZES.

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



UNION-JET BATSWING SLIT-UNION

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

ered a fitting recognition of the valuable services Mr. Farwell has rendered the Bank during the past 42 years. Under his management the Eastern Townships Bank has taken a leading position among institutions of its kind in the country.

—A vote was taken on the 4th inst. at Brockville, Ont., on three by-laws, viz., to expend \$10,000 for exhibition buildings on the fair grounds; to expend \$11,000 in alterations and improvements on the town hall, or Victoria, as it is known, and to grant a bonus of \$20,000 to the Union Hat Company, now located at St. Johns, Que. The first two bylaws were carried by majorities of 5 and 41 respectively, and the last was defeated because of an insufficient vote.

FINANCIAL.

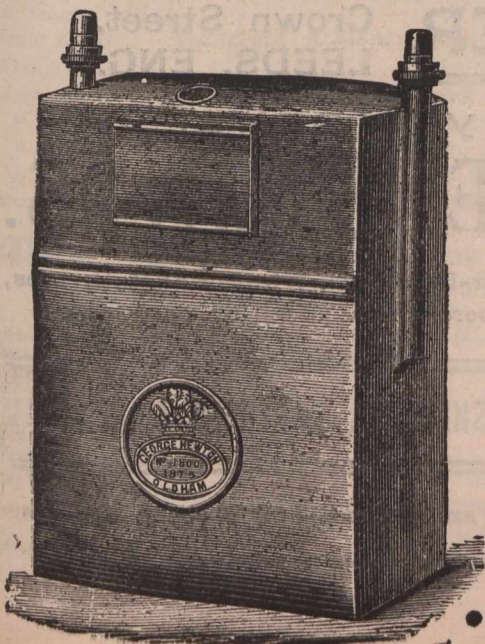
Montreal, Thursday Ev'g.,

5th June, 1902.

The declaration of peace is a financial event of prodigious moment. It not only stops the drain of war expenditures, but will send 25,000 Boers back to industry to earn their own bread who are now living as prisoners on English money, as well as thousands of families. The British Budget has been cut down \$78,500,000, as the first step of economy and a large slice of the revenue will now go to the sinking fund. The Transvaal mines will be utilized for contributions towards the interest on the national debt, so, to that extent, South Africa will bear its share of the war expenses. The new 3½ p.c. civic loan

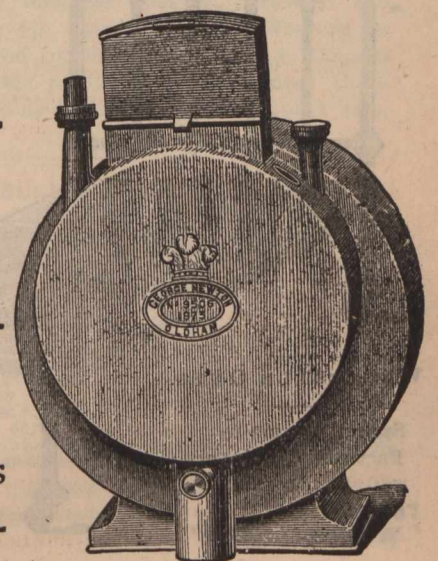
for \$2,000,000, to run 40 years, called out only one tender at a trifling fraction over 98. This is a decided falling off, as two years ago over par was realized on a loan of the same character. Something is wrong in this matter, for, though money is dearer than two years ago, the credit of this city is, or ought to be, so high as to make our bonds at 3½ per cent. a very desirable security at a price to yield their face rate of interest. The Bank of Montreal statement is commented upon elsewhere, as is also the Quebec. These two are the oldest in Canada, their fortunes, however, have varied in their long career and probably it would have been better to have let the Bank of Montreal dominate the field which the Quebec has not found very profitable. The opening of the Sovereign Bank in this city

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,

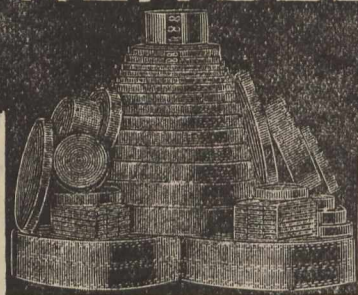
BRADFORD, - - England.

OAK-TANNED LEATHER BELTING.

Single and Double.

LEATHER BELTING

SINGLE AND DOUBLE
LEATHER BELTING



SPECIALITY
EXTRA STOUT
OAK-TANNED

LEATHER-LINK

OR

CHAIN BELTING.

For Electric and Heavy Driving

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

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

Special Rates to Canadians under the New Tariff.

this week will surely complete the supply of banks for some time to come. The "Sovereign" bids fair to be a popular and prosperous institution. Mr. Stewart has shown great energy and enterprise in its organization and is backed by strong interests. The effect of the cessation of war on Consols was discounted by reports several weeks ago that seemed authentic. The price has risen to

96%, which is an advance of only two points over the price four months ago, but about 3 points over the lowest. Money is too dear to cause any considerable rise in Consols at present, but under favourable conditions, as good harvests, trade prosperous, peace maintained, they will go to par. The Cunard Company is reported as organizing a British combine to rival the Morgan. When the steamers needed for restoring our troops and the Boers in Bermuda and elsewhere are set at liberty the situation will change and competition will probably make the Morgan syndicate think they paid too dear for their whistle. Pacific has sold freely to-day at from 134 $\frac{3}{4}$ to 135 $\frac{5}{8}$, the reaction being quite marked. Detroit Electric has been dealt in largely at 79 to 80 $\frac{1}{4}$. This stock promises to be a speculative factor. Montreal St. has sold at 280 $\frac{1}{2}$; Toronto St., 123, which is regarded as too high to last; Dominion Steel, 56; Power, 103; the latter is to make its debut soon in New York. Small lots have been sold of Bank of Montreal at 259 $\frac{1}{2}$; Hochelaga, 135; Molsons, 212; Merchants, 149; Ontario, 130; Commerce, 155; Ottawa, 216. Berlin, exchange on London, 20m. 49 $\frac{1}{2}$ pf.; Paris, 25f. 22 $\frac{1}{2}$ c. New York money is easy, call money, 2 $\frac{1}{2}$ to 3 $\frac{1}{2}$, and trade paper, 4 to 4 $\frac{1}{2}$ per cent. Foreign exchange here, 60's, 9 $\frac{3}{8}$; demand, 9 $\frac{7}{8}$. Money rates locally as for some time past.

The following is a comparative table of stocks for week ending June 5th, supplied by Chas. Meredith & Co., Stock Brokers, Montreal:—

Banks.	Shares.			Average
	sold.	Highest.	Lowst.	same date 1901.
Montreal	38 260	259 $\frac{1}{2}$	256	256
Molsons	61 215	211	199	199
Toronto	1 244	244	246 $\frac{1}{2}$	246 $\frac{1}{2}$
Merchants	40 149	147	156	156
Hochelaga	9 135	134	140	140

Miscellaneous.

Can. Pac. Ry.	13663	142 $\frac{1}{2}$	134 $\frac{3}{4}$	136 $\frac{3}{4}$
Duluth SS.com.	30	17 $\frac{5}{8}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$
Can. Pac. new	3527	134 $\frac{1}{4}$	128 $\frac{1}{2}$	128 $\frac{1}{2}$
Montreal St.	4655	284 $\frac{1}{2}$	277 $\frac{1}{2}$	290 $\frac{1}{4}$
Mont., Power	8356	104 $\frac{1}{2}$	102	100
Toronto St.	1850	124	122 $\frac{1}{4}$	110 $\frac{1}{4}$
Halifax St.	420	110	108	90
Winnipeg Ry.	250	140 $\frac{1}{8}$	140 $\frac{1}{8}$	199
Twin City	1405	123 $\frac{1}{2}$	119 $\frac{1}{2}$	84 $\frac{1}{2}$
Do. Rights	1600	2	1 $\frac{3}{4}$	1 $\frac{3}{4}$
Rich. & Ont.	1587	115 $\frac{1}{2}$	113	117
Com. Cable.	200	167 $\frac{1}{2}$	167 $\frac{1}{2}$	186 $\frac{1}{2}$
Montreal Tel.	261	170	169	170
Bell Tel.	68	170	165	169
Do. Rights	1309	7 $\frac{1}{2}$	7	7
Dom. Cotton	750	64	61 $\frac{1}{2}$	82
Can. Col. Cotton	350	62	55	74
Payne.	9000	22	22	28
Virtue	16250	16	11	7 $\frac{1}{2}$
North Star	2000	24	24	57
Dom. Coal, com1690	141 $\frac{1}{2}$	140	34	34
Lake Superior	500	29 $\frac{1}{2}$	29 $\frac{1}{2}$	29 $\frac{1}{2}$
Laur. Pulp Co.	75	98	98	109

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.

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

Assembly Works,

MANUFACTURER OF

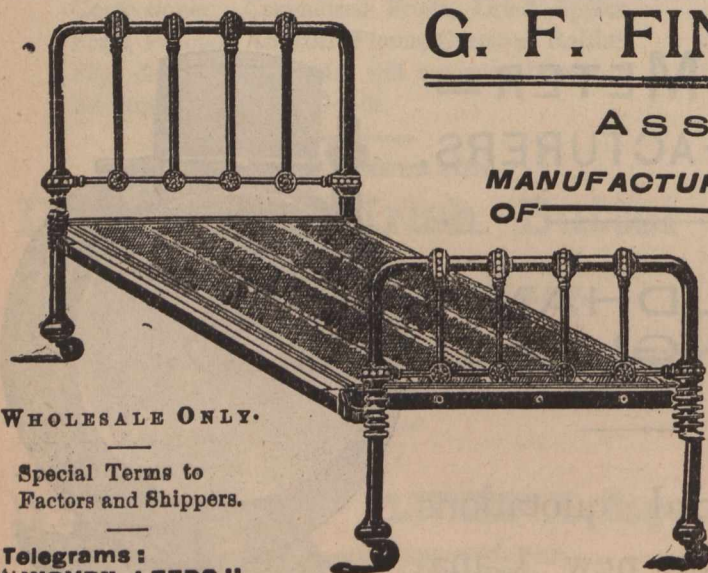
BEDSTEADS.

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

WIRE MESHES FOR MATTRESS MAKERS.

Angle Irons and Dovetails for Wood Bedsteads.

Special terms to Canadians under the New Preferential Tariff.



WHOLESALE ONLY.

Special Terms to Factors and Shippers.

Telegrams: "WOVEN, LEEDS."

Bankers: London City and Midland Bank, Limited, 52 Cornhill, London, E.C., Eng.

Cable Address, "Frimaire, London..

FRY, MARRIAN & WELLS,

HEAD OFFICE: 3 MINCING LANE, LONDON, E.C., ENGLAND.

And at BIRMINGHAM, Eng.

ENGINEERS. And Globe Works, SHEFFIELD, Eng

General Export Hardware and Cutlery Merchants and Manufacturers

Government Contractors for Arms, Ammunition and Railway Material.
Agents for the Sale of Produce of Every Description on the English Markets.

TERMS VERY FAVOURABLE TO SHIPPERS.

Special prices for these goods, under the new Canadian Preferential Tariff, 33 1/3 per cent. in favour of English Manufactured Articles.

Windsor Hotel .. 210	75	75	.....
Detroit U. E. Ry. 1675	80	78	.....
Dom. I. & S. com 1470	57	55	32
Do. pref.	95	96 1/2	95 1/2 83

MONTREAL WHOLESALE MARKETS.

Thursday, June 5, 1902.

Bonds.

Nova Scotia Com 105	110	108	.....
Com. Cable	2000	98 1/2	98 1/2
Montreal St.	15200	106 1/2	106
Can. Col. Cotton. 500	101 1/2	101 1/2	.....
Dom. Coal	5000	110	110 1/2
Dom. I. & S.,	42000	92 1/2	92 87

If the careful man is not wearing an overcoat this week he is at least wearing a look of anxiety regarding the length of time he must still consider it prudent to wear winter underclothing; for the cool north breezes have been mixing with the sudden visits of midsummer heat too frequently for steady comfort and for steady sales over the men's furnishings' counter. But beyond it all Montreal displays at present an air of business activity which would do ample credit to even a larger city. At most every turn throughout the principal business district eight and nine storey stone and steel structures are being erected, while along the harbor front for miles may be seen the hurrying moves of thousands of labourers, at the massive work of erecting and filling in the new wharves, sinking foundations for the new elevator, dredging the river, etc. Far beyond, in the suburbs, work is in preparation for the immense shops of the C. P. R., while private dwellings are being erected at a speed denoting their necessity. In commodity values there has been the usual number of changes. Sugar has made a new record mark, having reached the unprecedented price of \$3.60 per 100 lbs. for standard granulated, delivered free in city and suburbs. Provisions have advanced; barreled pork being \$1 to \$1.50 per brl. dearer. Building paper is dearer. Japan teas are very firm and have advanced 1c lb. in primary markets. Potatoes are a trifle lower. Flour and feed are steady under easier demand. Leather is showing a better movement so far this month. Linseed oils and turpentine are very firm in price. Wool is dearer with available stocks about cleaned up. Crop reports are so far extremely favourable.

last few days. It is reported that there are some 20,000 packages now held in store here, and this is having a weakening influence all round. Buyers have no difficulty in filling orders at 1/2c to 1/4c lb. under last week's prices. Still, there is a very satisfactory trade passing, export demand keeping up well, with the usual call for local trade. Sales of choicest creamery are reported at 19 1/2c to 19 3/4c, with second grade at 18c to 19c. Townships dairy, 18c to 18 1/2c, and Western, 15c to 17c, as to quality and size of lot. The outlook is hardly for any change to lower market, as it is pretty generally believed. prices have reached lowest point.

CEMENTS, ETC.

No round lots are being purchased here. Trade is confined to jobbing needs, which are dealt in at regular prices. It seems that the home manufacturers of cement are now capturing the bulk of the large orders, such as Government work, etc., as is testified pretty plainly by the amount of foreign cement arriving so far this season. For week ending 4th inst., arrivals were 300 barrels Belgian and German; 1,000 barrels United States (by barge), and 42,000 fire bricks.

CHEESE.

Toward the close of the week the market is showing strength with a good business passing. Prices are fully 1/4c firmer. Finest Western is quoted at 10c to 10 1/4c, and Eastern at 9 3/4c to 10c. A shade over these is being paid for strictly finest lots.

LOVELL'S

Montreal Directory

FOR 1902-1903.

The publishers respectfully inform the public that their agents have finished taking the names of the citizens for the Directory of 1902-1903. The subscription list will close on the 15th inst., and any order received after that date can only be filled at the rate of \$5.00 a copy. The edition is limited to the number of Subscribers and but few copies remain on hand after delivery to the Subscribers is made.

JOHN LOVELL & SON,

Montreal, June 2nd, 1902.

Publishers.

BUTTER.

Receipts are showing a large increase and supplies are in excess of requirements. Stocks are heavy and have been piling up quickly for the

BRAZILIAN EXCHANGE.

For week ending June 3rd, 1902.

May 28	12	15-32d
29		
30		
31		
June 2	12 3/8d	
3	12	13-32d

MONTREAL CLEARING HOUSE.

	Clearings.	Balances.
For week ending		
June 5, 1902	\$22,677,224	\$2,348,483
Corresponding		
week, 1901	18,540,658	2,590,460
" 1900.	14,571,242	2,296,005
" 1899.	16,154,366	2,121,364

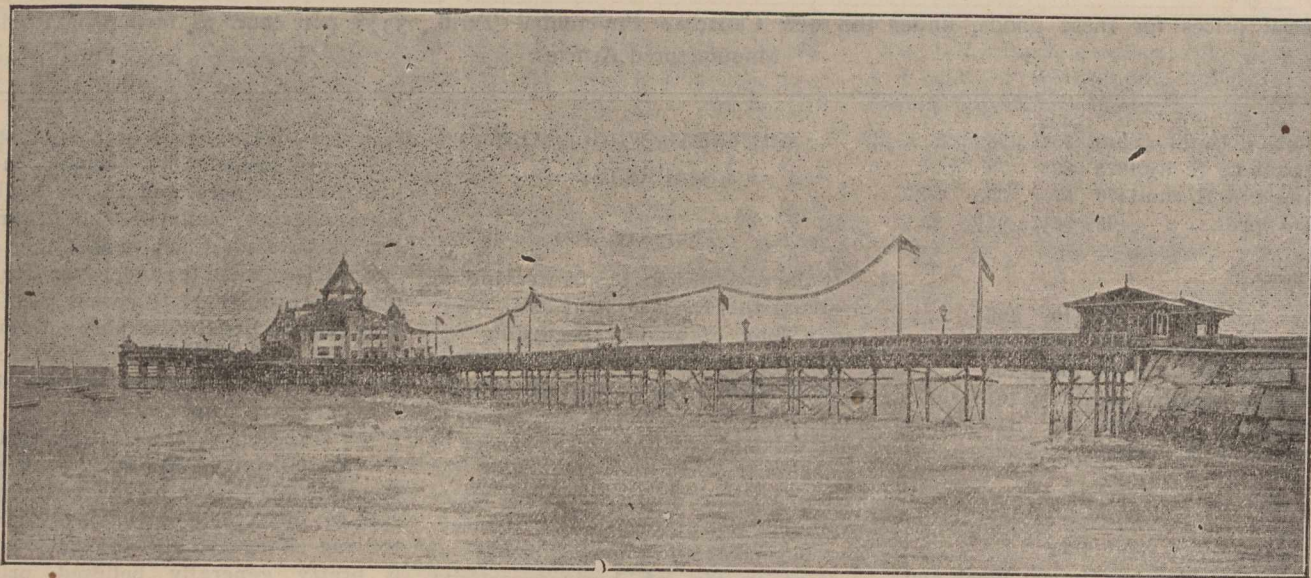
MONTREAL CITY AND DISTRICT SAVINGS BANK.

Notice is hereby given that a dividend of Eight Dollars and a Bonus of Two Dollars per share of the Capital Stock of this institution have been declared and the same will be payable at its Banking House in this city on and after Wednesday, the 2nd day of July next. The transfer books will be closed from the 15th to the 30th June next, both days inclusive.

By order of the Board,
A. P. LESPERANCE,
Manager.
Montreal, May 31st, 1902.

Widnes Foundry Company.

✦ ✦ ESTABLISHED 1841. ✦ ✦



Morecambe Pier (East View),

ERECTED, 1898, BY

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

EGGS.

As warm weather approaches there is an easier feeling to the market; still, there is no actual decline in prices. Arrivals are not over sufficient and the market is keeping well closed up. Car lots sell at 14c to 14½c, with jobbing sales up to 15c.

FLOUR AND FEED.

The market has eased off and there is an all round lull in local trade. A leading milling company reported a deal about closed for a round lot of flour for export. No change in prices of flour or feed. Quotations on another page. There was a good demand for baled hay during the week from both local and export buyers.

We quote: No. 1, \$9.50 to \$10; No. 2, \$8.50 to \$9; clover, \$7.50 to \$8 per ton, in car lots

GREEN FRUITS.

The heavy percentage of cool weather prevents free distribution of summer vegetables. As a consequence lemons keep very low in price and other seasonable goods do not move with the freedom more favorable weather would bring about. At New York on Tuesday there was offered at auction 36,962 boxes of Messina and Palermo lemons. There was an active interest noted, but the condition of the cargo is said to have been poor. The market was a little easier in spots than at last sale. Palermos sold at from 62½c to \$3.62½ and Messinas at

\$1.37½ to \$3.00. Choice and fancy grades were in evidence, but extra fancy were comparatively light. A good nearby shipping movement in small lots is reported, with choice grades steady at from \$2.70 to \$2.75 per box on 360s and \$2.75 on 300s. Extra fancy 300s are exceedingly firm. In oranges interest centered in the offering of 11 carloads of Californias, 817 boxes of Palermos, 5,365 boxes of Rodi and Sorrento fruit, and 203 boxes of Sorrentos. Oranges were active and higher, navels selling up to \$6.60 per box. Rodi and Sorrentos sold at from \$3 to \$3.12½. Local quotations are: Apples, barrels, \$6.50 to \$7.50; Messina oranges, \$3.25 to \$4.00 per box; Val. oranges, 420s, ordinary, \$5.50; do., do., 420s, large, \$6.00; Jumbo, \$7.00; lemons, 360s, \$2.00 to \$2.75;

Telegrams : "GROVES, SALFORD."

Groves & Whitnall, Ltd.,

BREWERS,

Regent Road
Brewery.



SALFORD,
England.

Alexandra Brewery, MANCHESTER, Eng.

do., 300s, \$2.00 to \$3.00; bananas, 8-hands, \$1.35 to \$1.50; No. 1 do., \$1.75 to \$2.25; extras, \$2.50; new figs, mats, 3½c per lb.; do. boxes, 8c to 12c per lb.; new dates, 4½c per lb.; nuts, Pecans, extra large, 17c; Cape Cod cranberries, \$7 to \$10; pines, 7c to 20c each; extra pines, 20c each; Florida tomatoes, \$4.00 to \$4.50; strawberries, 13c to 15c per box; new potatoes, 5c per lb.; radishes, 25c per doz bunch.; spinach, barrels, \$2; cucumbers, hot house, \$1 per dozen; asparagus, \$1 to \$1.25; Canadian lettuce, 30c per dozen heads; new potatoes, \$5.50 per brl.; Florida cucumbers, \$3.00 per basket; Canadian asparagus, \$1.00 to \$1.25 per basket; green beans, \$2.75 per basket; white do., \$2.75 per basket; Bermuda onions, \$2.75 per crt.; limes, \$1.75 per box; Cal. cherries, \$2.75 to \$3.00 per box.

GREEN HIDES.

Beef hides remain steady at 8c, 7c and 6c respectively. Calf skins are down 1c, to 10c and 8c for Nos. 1 and 2. In the New York market a firmness was reported in city slaughter hides. Offerings were limited, packers having only small stocks and were indifferent sellers, holding firm for full quoted values. A moderate amount of interest was shown by buyers and prices were without changes at 13c to 13½c for native steers, 12¼c to 12½c

for butt brands, and 12c to 12¼c for side brands. Country hides and calf skins were without changes. In the Chicago market a fairly firm tone was reported for packer hides, and there was a moderate amount of interest shown by tanners, with packers reported as offering supplies sparingly. Prices were unchanged at 13c to 13½c for native steers, 14¾c to 15c for heavy Texas, 12¼c to 12½c for butt brands, 12c to 12¼c for Colorados, 10¾c to 11c for heavy native cows and 10½c for branded do. Country hides were steady at 8½c bid and 8¾c asked for No. 1 butts.

GROCERIES.

Retailers who have been prevailed upon by Montreal jobbers of late to buy only what sugar they wanted for immediate needs, will now have reason to believe that some of those at the helm of mercantile affairs have souls above immediate personal gain, and may be relied upon to give their customers at all times the full benefit of any inside track which their position in the field permits them to hold. Sugars declined another 10c to-day, making standard granulated now \$3.60 and may be relied upon to give their This is a new record price for sugar. The forcing of foreign (German) on the Canadian market is largely responsible; and besides raw beet is

now steady at 6s 1½d in London, which allows of a good margin for the refiner at present prices.—Well known brands of cd. salmon are now being booked to retailers by Montreal wholesale firms for delivery on arrival about September next. Prices are about same as last year: \$4.80 to \$5.60 per case of 4 dozen for red sock-eyes from the various rivers. Orders are being placed freely as it is pretty generally expected that values will advance later on. The "trust" now has a free hand.—Molasses is also being bought freely on same expectations. It must be remembered that there is but a limited quantity of Barbadoes molasses received each year, and because of the very low price it is now being bought very largely in place of other makes.—Japan teas are reported 20 to 25 per cent. short in quantity on home market, and consequently becoming firmer.

Cable advices from Japan reported a firm market for tea at a further advance in prices of 1c per pound. The native houses were reported good purchasers, their purchases, it was stated, amounting to 40 per cent. of the total.

LEATHER AND SHOES.

The present month has opened up some better for the leather trade, but there is no visible rush. Some shoe

ADMIRALTY CONTRACTORS.

Tel. Address: "PUMPS," Leeds.

THE LEEDS ENGINEERING & HYDRAULIC Co.,

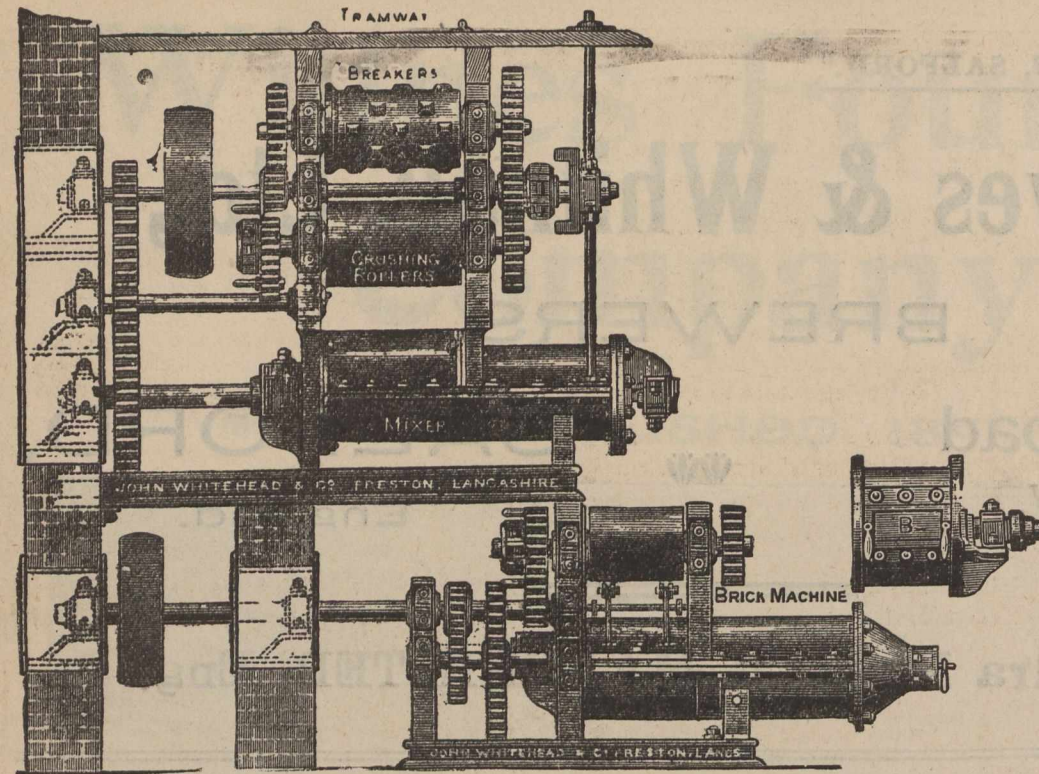
Manufacturers of

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

ELECTRICALLY DRIVEN PLANT.

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

Special prices to Canadians under the new tariff.



Telegraphic address :—

"Bricliffe, Preston."

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

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

Albert Works,

PRESTON, ENGLAND.

Brickmaking Plant

"The Manchester."

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

manufacturers are taking stock and of course do not need supplies. Jobbing leather is scarce, and the continued good movement on export account prevents any accumulation of stock. Prices hold firm as per quotations on another page.

OILS AND PAINTS.

Both turpentine and linseed oils are very firm in price and dealers anticipate an advance. The market is bare of cod oil. No new seal oil has arrived on the market as yet, and prices have not been fixed. The market for cod liver oil is very strong. Production is falling off to a large extent as the livers are reported lean and the yield, as a consequence, very light. Paints are unchanged.

PROVISIONS.

Since our report of a week ago, which gave strong points in favor of higher prices for barreled pork, this commodity has advanced \$1.50 per barrel, a rise seldom made in a single week. As before referred to, the rise in the price of fresh killed hogs occasioned through light supplies, has brought this about, aided by increased demand owing to the high price of beef. Demand keeps good for all kinds. Bacon and hams are firm at former prices. We quote: Heavy Canada short cut mess pork, \$24.50 to \$25; Canada short cut back pork, \$23.50 to \$24; heavy Canada short cut clear pork, \$23.50 to \$24; light Canada short cut clear pork, \$23.50 to \$24; finest kettle lard, in 20-lb. pails, 12¼c to 12½c; extra pure lard, in 20 lb. pails, 11c to 11½c; choice refined compound lard, 9½c to 9¾c. Boar's Head brand, in 20 lb. wood pails, \$2.07½ to \$2.15; and Globe, at \$1.80 to \$1.90; 20 lb. tin pails, ¼c per lb. less; hams, 12c

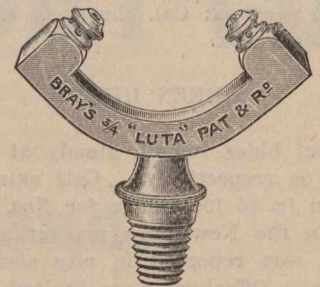
to 14c; and bacon, 14c to 15c per lb.—Chicago, June 4.—Provisions closed unchanged. Futures were: Pork, June, \$17.35; July, \$17.35; September, \$17.32½ to \$17.45; January, \$16.35; May, \$16.35; lard, June, \$10.20; July, \$10.20; dry salted shoulders, 8¼c to October, \$10.22½; January, \$9.42½; May, \$9.30; ribs, June, \$10.15; July, \$10.15; September, \$10.05. Cash quotations were: Mess pork, \$17.35 to \$17.40; lard, \$12.20½; short ribs, \$10 to \$19.20; dry salted shoulders, 8¼c to 8½c; short clear sides, \$10.50 to \$10.60.—Liverpool, June 4.—Bacon, Cumberland cut, from 52s 6d; short ribs, firm, 53s; long clear middles, light, firm, 54s; long clear middles, heavy, firm, 5s 6d; short clear backs, from 53s 6d; shoulders, square, steady, 38s 6d; cheese, American, finest, white, new, steady, 51s.

WOOL.

Importers say there is practically little or no wool on the market. Last Cape was sold at 16c to 16½c, and new to arrive is being sold or held at 16½c to 17c. However, there is little doing, not altogether because of higher prices but because importers are not pushing sales. To seek custom and force business on a rising market means to transact business on former values, for actual value cannot be received. B.A.'s are worth 30c to 35c; South America and Australia crossbreds are worth 20c to 28c. A sale of Canadian fleece is reported this week in the West on U.S. account at 15c. Canadian pulled wool is quoted on this market at 16c to 16½c and 17c, as to quality. A leading firm here was asked this week to bid on a million and one half pounds of North West wool, but made no offer. This wool will be sheared about the last of the present month and is grown just north of Dakota and Minnesota.

THE LATEST GAS BURNER.

The firm of Geo. Bray & Co., Bagby Works, Leeds, Eng., already well known throughout the civilized world as originators of valuable improvements in gas burners, railway carriage burners, etc., have again taken a further step in advance of modern ingenuity in the interesting art of economy and brilliancy in the use of gas as an illuminant, by the recent introduction of a new and improved acetylene gas burner, patented and registered under



the title of "Luta." The accompanying cut shows the Luta burner as it appears in use. It is only one more proof of the old saying that "everything seems simple when seen and understood."

At the time of writing the firm were manufacturing this burner of size ¾ft. = 21 litres, but were arranging to manufacture it also in sizes 1ft. = 28 litres, and ½ft. = 14 litres. The "Luta" burner is constructed on the well known Bunsen principle, the special advantage of which, for this purpose, is that it permits the consumption of acetylene gas without choking the burner. To all gas-fitters and users,

ESTAB 1859

LIVERPOOL RUBBER COMPANY LTD

MANUFACTURERS OF

RUBBER BOOTS & OVERSHOES

CANVAS, PLIMSOLL,
GYMNASTIC & LAWN TENNIS SHOES



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



HEAD OFFICE & WORKS
VAUXHALL RD LIVERPOOL ENGLAND



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 ALDEMANBURG LONDON ENGLAND
60 RUE DE MARAIS PARIS FRANCE



this announcement will prove of more than passing interest, and we bespeak for the enterprising originators the full share of success with the "Luta" burner that has been so satisfactorily accorded them with the others of which the world is so well acquainted. Write for particulars to Messrs. Geo. Bray & Co., Bagby Works, Leeds, Eng.

POSSIBILITIES OF THE WEST.

Canada is now on the threshold of what has been achieved in the Middle

and Western States through its growth in population during the past thirty years. With abundance of territory richer for production; with abundance of mineral deposits, coal, etc.; with the extra advantages offered through modern achievement in electricity, railway construction, agricultural implements, etc., who will not say that the Canadian West will not make still greater strides than has been responsible for the following eulogy? Secretary of the U.S. Treasury Shaw was the principal speaker at the banquet of the National Business League held in

Chicago recently, his subject being: "Commerce and Industries of the West." Secretary Shaw spoke in part as follows:

"The theme assigned is inspiring. Its scope is limitless, its natural and necessary subdivisions are many, while its comprehensive presentation within the time assigned is impossible. Where shall the line be stretched separating the East from the West? Mason and Dixon's line, at one time supposed to mark the boundary of a section of our country, has been so obliterated that to be mentioned, except to rejoice at its disappearance, is an offence to mod-

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

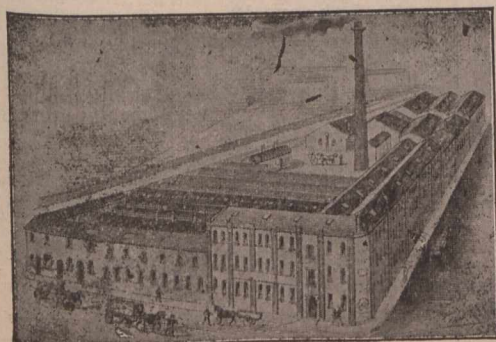
MILLS BROTHERS LTD.

Registered Office: Lowermoor Leather Works.
OLDHAM, ENGLAND.

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

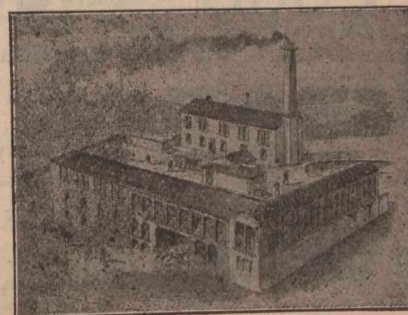
MANUFACTURERS OF . . .

Oak Tanned and Helvetia Strapping.



Lowermoor Works, Oldham.

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



Tannery: Blackley.

JOHN BARKER & SONS, LIMITED.

Park Street Iron Works, - OLDHAM, Eng.

Original Inventors, Patentees and
Sole Makers of

Barker's Self-Landing & Delivering Hoists

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

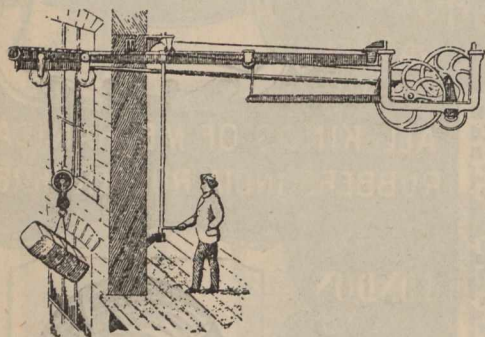
Makers of all kinds of

**CAGE HOISTS and LIFTS to work by
Hydraulic, Electric, Gas or Steam
Power. Many Thousands Supplied.**

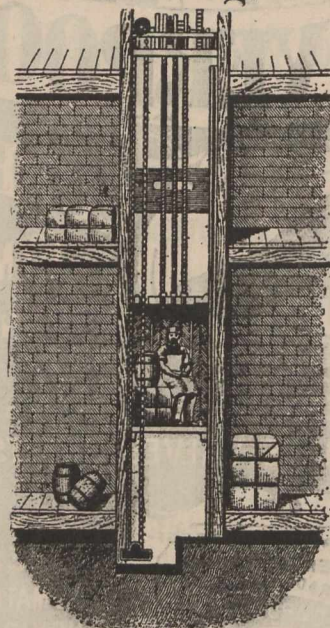
.... ALSO OF....

.. OVERHEAD TRAVELLING and Other CRANES ..

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



**Barker's Patent Self Landing and
Self Delivering Hoist.**



Cage Hoist.

**☛ If Canadians purchase these Cranes in England,
they have 33 1/2 per cent. in their favour under
the new Preferential Tariff. ☚**

ern politics and alike to modern com-
merce.

Where shall the freight borne by the
Mississippi River and the Illinois Cen-
tral double-tracked railway, paralleling
this great waterway on its eastern
bank, be classed? The Southern Pa-
cific conveys more than seven hundred
cars per day, a quarter of a million per
annum, of transcontinental freight. Is
this Eastern, Western or Southern com-
merce? Because traffic originates on
the Atlantic coast and is sent west-
ward via the Golden Gate and the Pa-
cific to the Far East, is it therefore
Eastern commerce? Is not at least that
portion which touches the Gulf South-
ern commerce? It all crosses the
Rocky Mountains, and hence I make
mention of it as Western commerce.
Chicago sends eastward over trunk
lines of railroad one hundred and fifty
tons of provisions each hour of the cal-

endar year; Minneapolis exports four
million barrels of flour per annum; Du-
luth and Superior forward by way of
the Lakes sixty-five million bushels of
grain; Duluth, West Superior and Mil-
waukee receive from the East cargoes
of coal aggregating three million tons
per annum; Buffalo receives from the
West, and by the same great waterway,
150,000,000 bushels of grain; Escanaba,
Duluth and Two Harbors ship twelve
million tons of iron ore, while Ashta-
bula, Cleveland, Conneaut and Chicago,
unload an equal amount from more
than seven thousand vessels that annu-
ally enter their harbors. The Detroit
River floats four times as much ton-
nage as the Suez Canal and once and
a half times the aggregate of all ves-
sels engaged in foreign trade that en-
ter our ports on the Atlantic, the Gulf
and the Pacific seaboard—an amount
equal to that of London, Liverpool, and

New York combined. By your leave,
Mr. Chairman, we will classify all this
Western commerce. It will be observ-
ed, however, that for no purpose other
than this evening's programme may we
wisely make class distinctions among
our people or sectional divisions of
our country.

Arbitrary though it be, I assume for
the convenience of the hour, and for
the hour only, that "the West" includes
Michigan, Indiana, Missouri, Oklahoma,
Indian Territory, and all west of these
and all north and west of Texas. Pro-
bably a majority of the people of the
United States speak of Ohio as a West-
ern commonwealth, while those who
live in States washed by the Miss-
issippi River realize that they must tra-
vel some miles toward the setting sun
to reach the line that would bisect
the Great Republic. The eleventh cen-
sus credited these States with 45 per
cent. of the farm area, but gave them
over 70 per cent. of the cultivated
land. The twelfth census, not yet com-
pleted, will probably show a much larg-
er proportion of tilled lands. These
States produce more than two and one
half billion bushels, more than 70 per
cent. of the nation's cereals and 70 per
cent. of the nation's hay. They con-
tain 50 per cent. of the milk cows and
60 per cent. of all other cattle, 65 per
cent. of the swine, 75 per cent. of the
sheep, and where, gentlemen, except in
the West, would you look for 80 per
cent. of the wool?

Honored as I am in being permitted
to represent in this presence the great
farming district, permit a few obser-
vations tending to show that an ever-
increasing proportion of the people
within the territory I have described
are giving well deserved attention to
industries, other than agriculture. Illi-
nois, Wisconsin and Iowa have increas-
ed their average annual cereal product
less than 9 per cent. since 1880. Dur-
ing the preceding decade these same
States made a fourfold larger increase,

1 & 2 NEW STREET, BIS.

THE LOCO PACKING CO.,

Boreham Wood Works,

Sole
Manufacturers of

EUSTREE, nr. LONDON, Eng.

"Colo" and Braithwaite's

"LOGO" TRADE MARK. PACKING,

Durable, Lubricative, Economical.

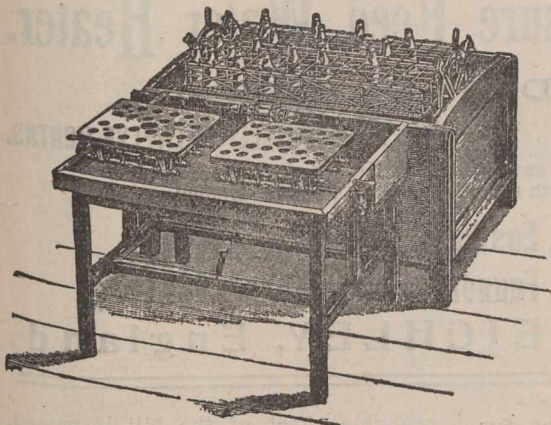
Used by over 100 British and Foreign Railways, Indian and Colonial Govern-
ments, Collieries, Waterworks, &c., for Locomotives, Steam Hammers,
Mining Pumps, Stationary Engines, Hydraulics, &c.

LONDON OFFICE:

Moorgate Station Chambers, - LONDON, E C., Eng.

Special Tariff in Favor of England.

Bottle Washing Machinery



OUR NEW PATTERN "KINGSTON."

No. 2

22-dozen Half-pint Beers.

Fitted with Revolving Rinsers as shewn,

£27

with Bottle Sinker.

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

Original Inventor and Patentee.

Machines from £10 to £40.

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

Special estimates to Canadians under the New Tariff.

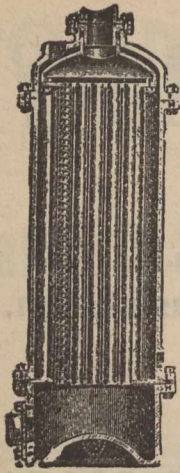
STOCKS AND BONDS.

NAME.	Par Val's.	Capital Subscribed.	Capital paid-up.	Rest.	Div. last 6 Ms	Dates of Dividends.	Per Cent. Price June (Brd)	Cash value per S.
British North Am.....	243	4,366,666	4,366,666	1,776,333	3	Apl. Oct	156	330 48
Can. Bank of Commerce	50	8,000,000	8,000,000	2,000,000	2 1/2	June Dec	147	73 50
Commercial, Windsor..	40	500,000	250,000	69,000	3	.....	185	43 00
Dominion	50	2,500,000	2,500,000	2,500,000	2 1/2	May	244	122 00
Eastern Townships.....	50	2,000,000	1,742,535	1,050,000	3 1/2	Jan July	150	75 00
Halifax Banking Co	20	600,000	600,000	500,000	3 1/2	Feb. Aug	158	79 00
Hamilton	100	2,000,000	1,995,750	1,500,000	5	June Dec	205	201 00
Hoehelaga	100	2,000,000	1,500,000	750,000	3 1/2	June Dec	152	152 00
Imperial	100	2,500,000	2,500,000	1,350,000	5	June Dec	229	200 00
Merchants' Can.....	100	6,000,000	6,000,000	2,600,000	3 1/2	June Dec	145	145 00
Melsons	50	2,500,000	2,500,000	2,150,000	4 1/2	Oct Apr	212	106 00
Montreal	200	12,000,000	12,000,000	8,000,000	5	June Dec	259	518 00
Nationale	30	1,469,700	1,430,550	350,000	3	May Nov	95	28 50
New Brunswick.....	100	500,000	500,000	700,000	6	Jan July	300	200 00
Nova Scotia.....	100	2,000,000	2,000,000	2,800,000	4 1/2	Feb. Aug.	232	202 00
Ontario	100	1,500,000	1,300,000	350,000	2 1/2	June Dec	155	125 00
Ottawa	100	1,000,000	2,000,000	1,700,000	4 1/2	June Dec	205	200 00
People's of N. B.....	150	180,000	180,000	165,000	4	.....	250	375 00
Provincial.....	25	873,487	781,249	.....	3	June Dec	155	155 00
Quebec	100	2,500,000	2,500,000	800,000	3	June Dec	122	122 00
Royal	100	2,000,000	2,000,000	1,700,000	3 1/2	Feb. Aug	175	175 00
St. Stephen's.....	100	800,000	200,000	45,000	2 1/2	April Oct	.....	.....
Standard	50	1,000,000	1,000,000	750,000	5	April Oct	233	116 50
Toronto	100	2,400,000	2,400,000	2,340,000	5	June Dec	240	240 00
Traders	100	1,350,100	1,344,420	250,000	3	June Dec	112 1/2	112 25
Union (Halifax).....	50	800,000	900,000	505,000	3 1/2	Mch Sept	150	75 00
Union of Canada	100	2,000,000	2,000,000	550,000	3	June Dec	.....	.....
Western	100	500,000	401,333	150,000	3 1/2	Apl Oct	.....	.....
Agri. Sav. and Loan Co.....	50	630,200	630,200	122,000	3	Jan July	.....	.....
Bell Telephone Co.....	100	5,000,000	5,000,000	500,000	4 1/2	Jan ..	168	168 00
Brit. Can. Loan & Inv. Co.....	100	1,937,900	393,481	120,000	2 1/2	Jan ..	123	123 00
Brit. Mortg. Loan Co.....	100	450,000	389,314	120,000	3	Jan ..	.....	120 00
Can. Colored Cot. Mills Co.....	100	2,700,000	2,700,000	.....	3	Jan ..	59 1/2	59 25
Can. Landed & Nat'l Inv't Co.....	100	2,000,000	1,004,000	350,000	3	Jan ..	90	90 00
Can. Per. & W. Can. M. Corpn.....	10	5,951,359	5,951,359	1,495,057	3	Jan ..	115	57 50
Can. Sav. & Loan Co.....	50 & 27 1/2	750,000	750,000	250,000	3 1/2	Jan ..	114	57 00
Central Can. Loan & Sav. Co.....	100	2,500,000	1,250,000	450,000	2 1/2	Jan ..	135	135 00
Dominion Sav. and Inv. Co.....	50	1,000,000	934,200	40,000	2	July Dec	72	36 00
Dominion Telegraph Co.....	50	1,000,000	1,000,000	.....	1 1/2	Jan ..	124	62 00
Dominion Cotton Mills Co.....	100	3,333,600	3,333,600	.....	6	Mar ..	62 1/2	62 50
Hamilton Prov. and Loan.....	100	1,500,000	1,100,000	356,752	3	Jan ..	113	113 00
Home Sav. and Loan Co.....	10	2,000,000	200,000	200,000	3 1/2	Jan ..	135	135 00
Huron & Erie Loan & Sav. Co.....	50	3,000,000	1,400,000	890,000	4 1/2	Jan ..	179	89 50
Imperial Loan and Inv. Co.....	100	732,724	720,547	175,000	3	Jan ..	70	70 00
Landed Banking and Loan.....	100	700,000	700,000	210,000	3	Jan ..	111	111 00
Land. & Can. Loan and Ag.....	50	1,000,000	877,267	87,500	3	Jan ..	68	34 00
London Loan Co.....	50	679,700	678,550	180,000	3	Jan ..	110	55 00
Manitoba & North-W. Ln Co.....	100	1,500,000	375,000	50,000	.....	Jan ..	55	55 00
Montreal Telegraph Co.....	40	2,000,000	2,000,000	.....	2	Jan ..	168	67 20
Montreal Gas Co.....	40	3,000,000	2,998,640	.....	5	April Oct	241	96 50
Montreal Street Ry. Co.....	50	5,000,000	4,500,000	560,318	2 1/2	Feb. *	276 1/2	138 25
Montreal Cotton Co.....	100	1,400,000	1,400,000	600,000	4	Mch. *	132	132 00
Merchants Cot. Co.....	100	1,250,000	1,250,000	.....	4	Feb ..	95	95 00
Montreal Loan and Mortg.....	25	500,000	500,000	360,000	3 1/2 & 1	Mch ..	137 1/2	34 37
Ont. Indus. Loan and Inv.....	100	466,800	314,386	150,000	3	Jan ..	.....	.....
Ont. Loan and Deb. Co.....	50	1,200,000	1,200,000	560,000	3	Jan ..	121 1/2	60 75
People's Loan and Dep. Co.....	50	800,000	800,000	.....	3	Jan ..	24	12 00
Real Est. Loan Co.....	40	373,720	373,720	50,000	2	Jan ..	70	35 00
Richelieu and Ont. Nav. Co.....	100	2,088,000	2,088,000	162,355	3	May Nov	112 1/2	112 50
The Royal Electric Co.....	100	2,250,000	2,250,000	320,155	.....	Jan. *	240 1/2	240 50
Toronto Electric Light Co.....	100	2,000,000	2,000,000	.....	.....	Jan. *	136	136 00
Toronto Mortgage Co.....	50	1,445,860	724,540	250,000	2 1/2	.....	78 1/2	76 50
Toronto Street Railway.....	100	6,000,000	6,000,000	.....	.....	Jan. *	108	208 00
Windsor Hotel .....	.....	.....	.....	.....	.....	.....	112 1/2	112 50

* Paying quarterly dividends.

indicating very clearly, I think, that the maximum capacity under present methods of agriculture has been very nearly attained. In 1889 40 per cent. of the arable land of Iowa (the proportion actually cropped) produced one pound of cereals per day for every man, woman and child in the United States—in round numbers 11,000,000 tons. This would be quite enough to sustain life, and more than the average ration enjoyed by the people of the world. If all the arable land of Iowa were put in crop, and that portion not needed to support the teams necessary for its cultivation placed on the market, the people of the United States could not consume it though restricted to a cereal diet. The only way the yield of this unequalled 56,000 square miles of land can be consumed by 80,000,000 people is to have large quantities of it first manufactured into beef and pork and dairy butter. Our increasing population renders it improbable, however, that this remarkable showing can be long continued, even by Iowa, though she may to some extent increase her cereal production.

The West not only grows food products, but her people have become no mean competitors in their preparation. Minneapolis alone manufactures 16,000,000 barrels of flour per annum, a carload (60,000 pounds) every ten minutes, day and night, 365 days in the year. A branch factory in a prairie town of Iowa less than 4,000 population produces 6,000,000 cans of condensed milk per annum, while the parent plant in Wisconsin, makes more than double this quantity, a portion of which helps to feed the standing armies of Europe and to supply the belligerents in South Africa. The Elgin Butter Company consumes the cream from 70,000,000 lbs. of milk, manufactures 3,000,000 lbs. of butter (1,500 tons), and exports its products, to China, Japan, Cuba, Mexico, South American countries and to Alaska. A single unincorporated firm in southwest Iowa handled last year 250,000 pounds (125 tons) of butter and



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,**
KEIGHLEY, England.

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

Address • Tablets

IN IVORY AND BONE.

NAME.

Brass, Copper, German Silver, Zinc,
Letters, Engraved or in Relief.

**TABLETS LETTERED
FOR ALL PURPOSES**

Endolithic Mfg. Co., Ltd.,

61½ Fore St., London. E.C., Eng.

PLATES.

3,000,000 pounds (more than 100 carloads) of poultry. Another firm in the same State marketed in a single year 1,500,000 dozen eggs, sending them to the Atlantic, the Gulf and the Pacific coasts, while a third firm ships dressed poultry not by carload only but by train load.

(To be Continued.)

THE STEAMSHIP COMBINE.

The Right Hon. W. J. Pirrie, chairman of Harland & Wolff, the well-

known British shipbuilders, has furnished a statement, giving his views on the North Atlantic Shipping Trust. Mr. Pirrie said:

"With regard to the fear expressed in certain quarters that the British vessels owned by the companies joining this combination will be put under the American or any other flag, I have not the slightest hesitation in saying that there is no intention whatever to make any change. It has never been even thought of. Indeed, from the very beginning Mr. Morgan laid it down very clearly and distinctly that he wished to keep the organization largely in the hands of the British element. There is, in my opinion, no risk of this country's losing its hold on the vessels at present subsidized as mercantile armed cruisers. None whatever.

It has been stated that the effort to get the subsidy bill passed into law in the United States was made in order to make the combination an out-and-out American organization and get the ships the benefit of American registry. The effort in question had no direct bearing on this scheme, although it may have caused a slight delay in negotiations. Opinion was divided amongst the promoters of this scheme on the other side as to the

probable effect of the bill if passed, and also as to the desirability of waiting until its fate were known. Broadly speaking, as far as this scheme was concerned, the fate of the Subsidy bill mattered little one way or another. It certainly had not the slightest effect on Mr. Morgan. The White Star Line have given an undertaking that the vessels at present held at the disposition of the Admiralty shall remain so during the unexpired period of the contract. And I may add, if it is necessary to do anything more to satisfy the Admiralty and the British public in this direction, that I believe there is no reason why an undertaking should not be given, if desired, by the White Star Line or any of the other British lines that have vessels which the Admiralty might wish to give a subvention to, that for a further term of five or ten years they will be held at the disposal of the Admiralty if required, unless sold previously with their consent, in which case other vessels could, no doubt, be substituted for them.

With regard to new vessels that may be built by our firm or others for the British companies in the combination, I have no doubt whatever that a similar arrangement could be come to respecting them, and it is reasonable to suppose that these new vessels, or some of them, would be superior to

R. WHITE & SONS, Widnes, England.

Locomotives, . . .
Cranes of all kinds,
Steam and Water
Pipes and Fittings.

Cable Address:

"RAILS," Widnes, England.

A.B.C. and Universal Mining Codes.

Engineering Telegraph Code,

Moreing & Neal's Code. A1 Code.

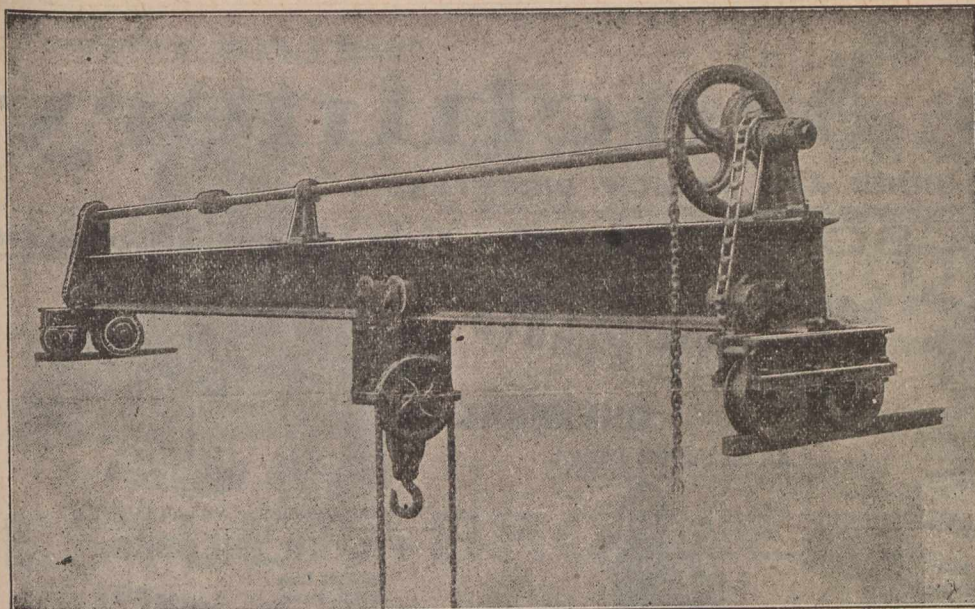
Galvanized Sheets,

Bar Iron, Aerial

Wire Ropeways. .

Steel Rails of all Sections, Fish Plates, Bolts, Spikes, Points and Crossings, Steel Sleepers, Wagons for all purposes, Wire Ropes, Pit Headings, Screens, Mining Steel, Pulsating Pumps.

Cuts will be inserted when received.



Lifting Tackle

FOR

..ALL PURPOSES..

Cranes.

Crabs.

SHEAVE BLOCKS.

PULLEY BLOCKS.

**The Steel Rope
Pulley-Block Co.**

LIMITED,

**Washford Road,
SHEFFIELD, Eng.**

those at present under subvention. Therefore, this combination would work out most decidedly to the interest of this country and of the colonies, both through their interest in the question of the provision of mercantile armed cruisers, in case of necessity, and also commercially by the improvement in the services. I think, then, that from a commercial point of view as well the combination will be a decided advantage. I have always looked upon the arrangement as practically effecting a partnership between those that have the goods to send and the carriers, by which the best possible service will be given at the most satisfactory rates, with a view to facilitating traffic and developing trade as much as possible, which will, of course, be to the interest of the combination, and, remember, the capabilities of development are enormous.

You may say that the carriers have had nothing to do with the scheme.

Indirectly that is true, but the promoters and those interested in the success of the combination have very close business relations with the large shippers, as well as others, and understand their requirements; and it must not be forgotten that I am not speaking merely of traffic from the Atlantic seaboard to the United Kingdom and the Continent, but of traffic from the various parts of the vast territory of the great Western Republic. The steamer is only one link, it is true, but still to be considered in connection with the whole and from a purely business standpoint, and the question of nationality does not enter into the matter at all.

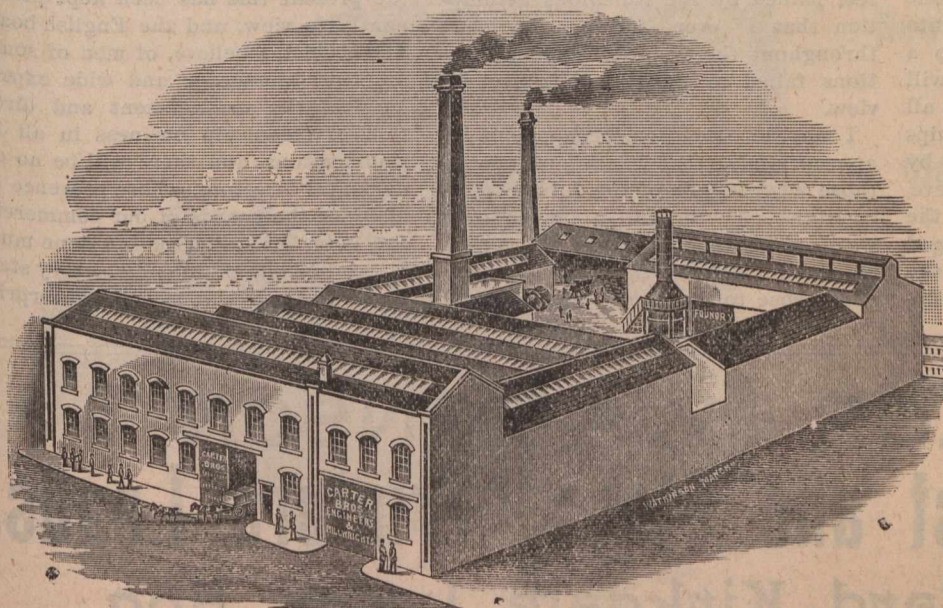
I have the fullest sympathy with the true patriotic instinct, and have always considered that I was, with many others like myself, serving my country best by seeking to advance its industrial interests by all the progress, and developments I could bring about or

influence in the pursuit of my profession, and I have but little respect or sympathy for the so-called patriotism that shuts its eyes to facts and will grab at the shadow whilst forfeiting the substance.

As for my firm's connection with the combination I am quite satisfied with the arrangement, or should not have agreed to it. I may say that the agreement merely embodies a principle we have always recognized, and the understanding that has always existed between my firm and our clients, viz.: that we should not build for those whose interests clashed with other's. This surely is very reasonable thing. Had we started building for the Cunard Line at any time, for example, we could not have maintained the same close relationship that has always existed between us and the White Star Line, as these companies have all along been competitors. In the case of the Union and Castle lines

CARTER BROS.,

Engineers and Millwrights,



Bridge Street,

Rochdale, Eng.

Specialty in

Mill Gearing

of all kinds.

Special terms to Canadians, under
the New Preferential Tariff.

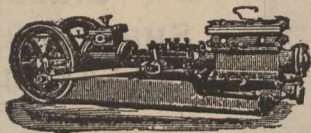
Telegrams : "NEILL, ST. HELENS."

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

Soap Machinery

. . BONE AND TALLOW DIGESTERS . .

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



SOAP, OIL, AND TAR SPECIAL PUMPS.

SOAP PANS, TANKS,
With all Fittings.

HOISTS.
SWIVELS.

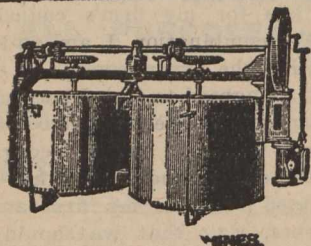
STEEL SOAP FRAMES
The Best
in the Market.

CRUTCHING MACHINES

New Bar-Cutting and
Tabletting
Machines.

MILLING MACHINERY
Hand and
Steam Stamping
Machines with Dies.

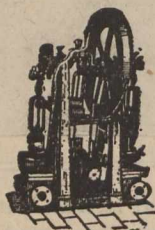
GLYCERINE PLANT,
With Fire or Steam Evaporation.



WHEELS.

**SOAP
COMPLETE PLANTS
CHEMICAL**

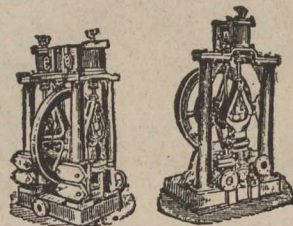
All on Newest Design.



VERTICAL FRAME PUMPS FOR LIQUORS.

BRASS AND IRON CASTINGS
OF EVERY DESCRIPTION.

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



CAMERON PUMPS. PILLAR PUMPS.

FILTER PRESSES,

In Cast Iron
or Gun Metal.

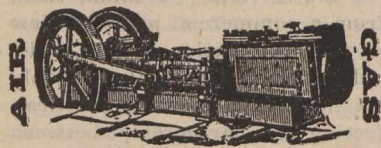
CHEMICAL PUMPS,
Pans
and Still.

NOTED
AIR COMPRESSORS,
With Improved Valves.
Causticisers.
Agitators.

MECHANICAL FURNACES,
Absorbers,
Hoists, Cranes,
Winches.

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

ACID



AIR COMPRESSORS & BLOWING ENGINES.

ST. HELENS JUNCTION, LANCASHIRE, ENGLAND.

Chemical Plant

PRICES AND PARTICULARS ON APPLICATION.

Special Prices to Canadians under the new Tariff

we assumed a similar attitude; during the last eight or nine years of the old Union Line we rebuilt their entire fleet, but never attempted to get a single order from the Castle Line up to the time of the amalgamation, when we had work in hand ordered by the Union Line, which, of course, we completed for the combined company.

I consider the arrangement is one of the best we have ever entered into for ourselves, and that it is also a good one for our country, as it will be quite impossible for us to do all the work, both in the way of new ships and renewals, that will be required by the combination, which will, I believe, be of greater volume, owing to the developments that will be encouraged in the trade than would have been the aggregate amount of work of the sep-

arate companies. A great part of this work will have to be done in other yards in the United Kingdom, as the extra cost of the work in America will be an important consideration. Therefore, I think the arrangement will be a distinct benefit to the whole shipbuilding industry of this country, and if I were thin-skinned enough I should feel pained by the ridiculous assumption that I ever for one moment throughout the whole of the negotiations failed to keep this object in view.

I may here mention, perhaps not inappropriately, that I am not one of those who despair of the future of my country. There are some lessons we need to take to heart and profit by, but I think we shall have enough good sense to do so and that our usual

ability to adapt ourselves and our methods to the changed and changing circumstances of the time will not fail us now or in the near future any more than in the past.

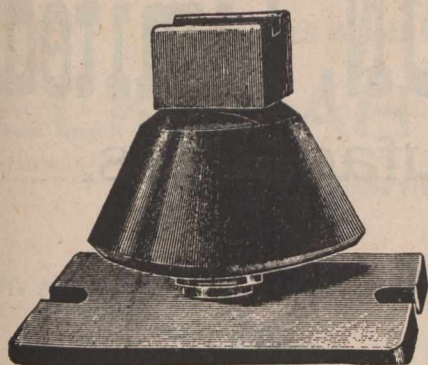
I have the utmost confidence in the future satisfactory working of the whole organization, as in all the discussions that have taken place up to the present this has been kept prominently in view, and the English board will consist, I believe, of men of sound practical knowledge and wide experience in the management and direction of steamship business in all its ramifications, and there will be no ornamental directors, whose presence on many of the boards of our commercial and industrial concerns has done much to bring about the unsatisfactory state of things and the lack of enterprise

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

Peter's Yard, Kirkgate, Leeds, Eng.

Telephone No 6096. BANK.

Telegrams:—"ISOLABLE, LONDON."



**THIRD
RAIL
INSULATORS.**

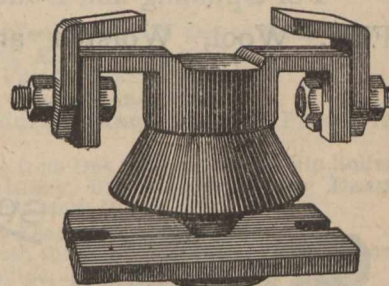
AMBROIN

Strong. Durable. Non-Hygroscopic. Perfect Insulation.

ESTLER · BROTHERS,

25 Laurence Pountney Lane,

Cannon St., LONDON, E.C., Eng.



Special Terms to Canadians under the New Tariff.

that we so much deplore in some quarters, constituting a serious danger to the commercial supremacy of our country, if long continued. I believe, however, the danger has been seen and will be more generally avoided in the future. I think there is very little doubt that the British board will have the actual working of the steamers, etc., under their direction, though possibly the policy as to the future extensions and developments would have to be the subject of consultation between both the English and American boards, and naturally, as the fresh capital is more likely to be raised in American than on this side, our friends over there will expect that due weight will be given to their representations and opinions.

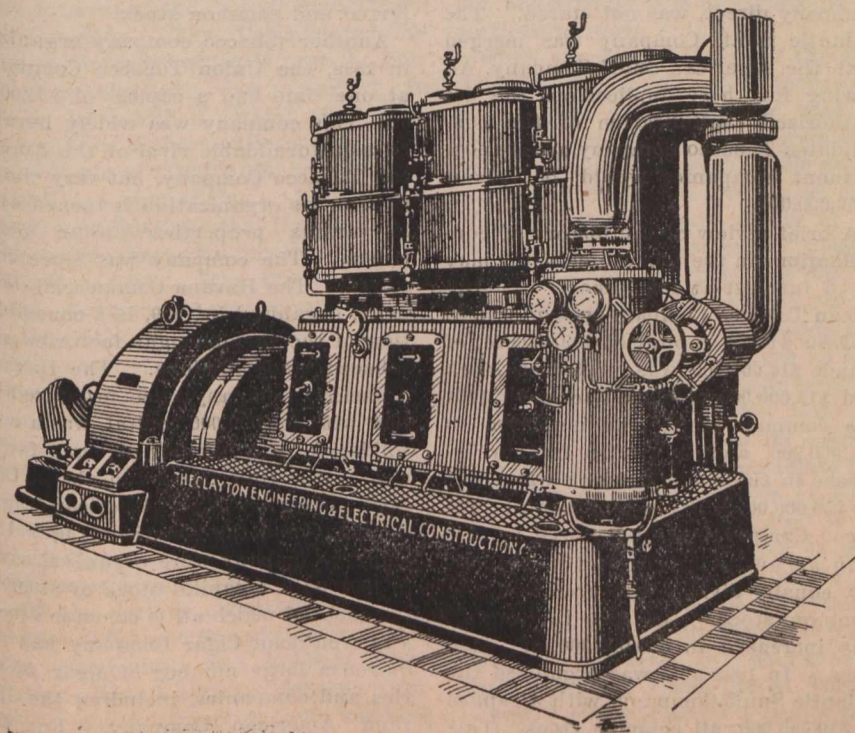
Only this more will I add, that those who know Americans best have the greatest confidence in them. I have had a great deal of experience in dealing with American shipowners, financiers, and other commercial men, and I have no hesitation in saying that they are aimed by the best and most friendly feeling toward this country, and the idea which has seized so many minds here of their having any designs upon British shipping as a whole simply because they are reaching out enterprising hands, just as Englishmen are doing to-day in every quarter of the globe, is altogether too ridiculous. They are bent on business, and there is no reason why we should not share in their enterprise, just as they have shared in ours, and one of

the results I look for from the establishment of this "community of interests" is the drawing together still more closely of the two great branches of the Anglo-Saxon race, who, by their combined resourcefulness and enterprise, should be able to make themselves to a large extent the arbiters of the world's destiny."

TOBACCO TRUST'S NEW MOVE.

Articles of incorporation were filed in New Jersey some days ago for the Havana Tobacco Co., with a capital stock of \$35,000,000. The company has been formed to take over the Havana

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

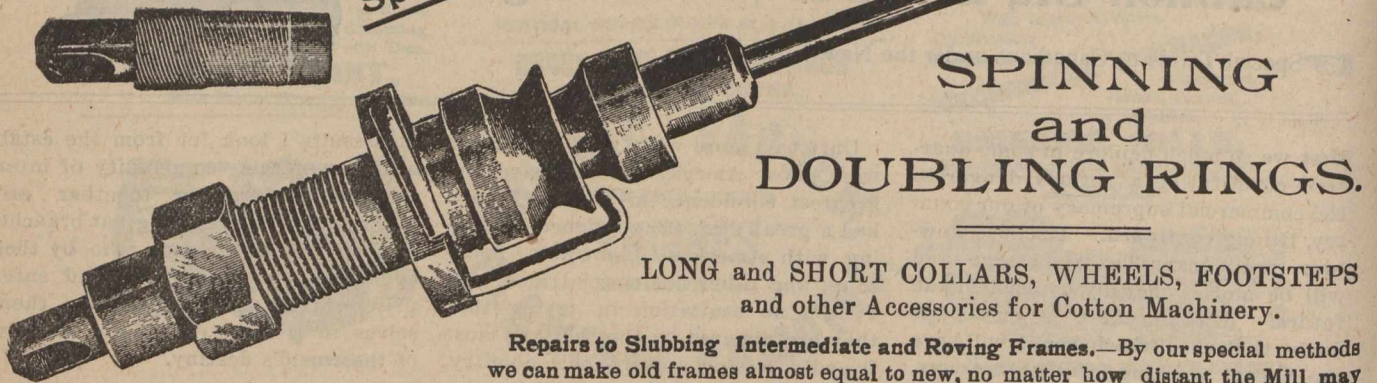
WILLIAM BODDEN & SON, Limited.

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 methods 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. ☛

Commercial Co., Henry Clay and Bock & Co. and all outstanding shares of the H. de Cabanas y Carbajal Co., a New Jersey corporation. The new corporation will be controlled by interests affiliated with the Consolidated Tobacco Co., popularly known as the "Trust." Of the capital stock of the Havana Tobacco Co., \$30,000,000 will consist of common stock and \$5,000,000 5 per cent. non-cumulative preferred stock. The company is authorized to issue \$10,000,000 twenty-year 5 per cent. gold bonds, of which \$2,500,000 shall remain in the treasury unissued.

The incorporation of the new company, says the New York Journal of Commerce, marks another important step in the plans of the financiers back of the Consolidated Tobacco Company. This latter company is now estimated to control a large majority of the tobacco manufacturing business of the United States, while its present acquisition give it a very important hold on the Cuban tobacco industry.

Owing to the inter-relationships of the various companies there is naturally considerable duplication in the figures showing the total capitalization. Thus practically all the common stock of the American and Continental Tobacco companies is owned by the Consolidated Tobacco Company; the bulk of the stock of the American Snuff Company is owned by the American

and Continental Tobacco companies jointly. The American Tobacco Company is supposed to own practically all the stock of the American Cigar Company, and the American Cigar Machinery Company. How the stock of the Havana Tobacco Company will be held whether by the American Tobacco Company or by the Consolidated Tobacco Company direct, was not stated. The Atlantic Snuff Company was merged with the American Snuff Company. Allowing for these duplications the net authorized capitalization of the Consolidated Tobacco Company and its constituent companies would be about \$350,000,000.

A brief review of the history of consolidations in the tobacco industry may be of interest at this time. The American Tobacco Company was organized in 1890 with a capital of \$29,000,000, of which \$14,000,000 was preferred stock and \$15,000,000 common stock. In 1891 the common stock was increased to \$21,000,000, and in 1899 a further increase in the common stock was made to \$56,000,000. The Continental Tobacco Company was organized in 1898 with an authorized capital of \$75,000,000, equally divided into preferred and common stock. In 1899 the capital was increased to \$50,000,000 of each class. In 1898 also was organized the Atlantic Snuff Company, with a capital of \$10,000,000, all common stock. This

company was later merged with the American Snuff Company, which also took over in addition to the other snuff concerns, the snuff business of the American and Continental Tobacco companies. The American Snuff Company itself, which was organized in 1900, has an authorized capital of \$20,000,000, equally divided between preferred and common stock.

Another tobacco company organized in 1898, the Union Tobacco Company, at one time had a capital of \$24,000,000. This company was widely heralded as a formidable rival of the American Tobacco Company, but very shortly after its organization it turned over its various properties to the older trusts. The company was since dissolved. The Havana Commercial Company, organized in 1899, is a consolidation of the various cigar factories and tobacco lands in Cuba. The Havana American Company, also organized in 1899 with \$10,000,000 capital, was a consolidation of a number of cigar factories on the Gulf Coast and also a Chicago concern. The American Cigar Company and the American Cigar Machinery Company were organized early in 1891 with a capital stock of \$10,000,000 each, of which all is common stock. The American Cigar Company has acquired a large number of cigar factories and companies, including the Havana American Company. For the

Telegraphic Address: "ELKANAH, HALIFAX."

National Telephone, No. 133.

Makers of all kinds of DYEING and Finishing Machinery.

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

stocks of the latter company it issued gold notes guaranteed by the American and Continental Tobacco companies.

Henry Clay & Bock & Company is an English corporation, organized in 1899 and capitalized at \$7,000,000, and controlling valuable cigar factories in Cuba. The company has been very successful. A short time ago the Ogdens, Limited, of London, was acquired in the interest of the Consolidated Tobacco Company. The Consolidated Tobacco Company, which is now the parent organization, was organized in June, 1901, with a capital of \$30,000,000 and an authorized issue of debenture bonds of \$158,000,000, nearly all of which are outstanding. Last year a new consolidation, the Universal Tobacco Company, was formed with \$10,000,000 capital. Like the Union Tobacco Company, it was supposed to be a formidable rival of the trust, but it now seems that the principal properties, which were to be included in the company, have been secured by the "trust." The successful absorption of a list of rival consolidations in this way has attracted considerable attention in Wall Street, so that the announcement of a rival is now received with considerable suspicion.

Of the various companies the Consolidated Tobacco Company seems to be the financing or holding company. The American Tobacco Company makes cigarettes and smoking tobacco, the Continental Tobacco Com-

pany handles the plug tobacco business, the American Snuff Company, the snuff department and the American Cigar and the Havana Tobacco Companies cigars. The American Tobacco Company originally started as a cigarette consolidation. The Consolidated Tobacco Company aims, it is said, at absolute control of the manufacture of tobacco in every form in this country, and already it is extending its operations abroad.

When the incorporators of the Consolidated Tobacco Company, rather less than a year ago, announced that the \$30,000,000 stock of that corporation had been paid in in cash, while at the same time offering to give a 4 per cent. bond for the common stocks of the American and Continental Tobacco companies (on the basis of 200 per cent. for the former and par for the latter), Wall Street was considerably at sea to understand how such an offer could be made. The Continental Tobacco Company up to that time had never paid a dividend on its common stock and seemed in no immediate likelihood of doing so. It was expected, however, that the organizers of the new company had vast plans in view, which, in their judgment, would add materially to the income from the tobacco business. This theory seems to have been correct. It is said that the backers of the Consolidated Tobacco Company contemplate practically nothing less than a virtual monopoly of

the tobacco business of the world. They are already credited with plans of a control of the Philippine Islands tobacco industry, and it is commonly believed that they have extensive interests in manufacturing plants in Japan. The acquisition of the Ogden Company, Limited, already noted, has given them an entrance into the British field. In Great Britain, it will be recalled, they have been met with energetic opposition from a \$75,000,000 consolidation—the Imperial Tobacco Company. In spite of the bitter warfare now apparently being waged between these two companies, however, it is believed by more than one observer that a consolidation of the Imperial and the American companies is extremely probable. This is certainly the history of opposition in the tobacco trade thus far. It has even been suggested that the American trust would make a bid for the Government business in France.

**LONDON STEAMSHIPS COMBINE TO
GUARANTEE DELIVERIES.**

Mail advices from London state that a new agreement, to go into operation on June 1, had been entered into between the various London steamship lines and the London Corn Trade Association whereby a number of causes of friction between the steamship

GOLD MINERS DRILL STEELS

HOBSON, HOUGHTON & CO.

SUCCESSORS TO FRANCIS HOBSON & SON

SHEFFIELD, ENGLAND.

MINERS
HAMMERS
& PICKS

Sole Manufacturers of

HOBSON'S "CHOICE"

(XX) Extra Best & "Warranted" Best

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

Specialty for Machine or Hand Drilling.

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.

companies and the shippers will, it is
believed, be permanently removed.

The most important clause of the agreement is one whereby the shippers shall pay the steamship line over and above the regular freight rate a sum equal to four-fifths of one per cent. of the value of the consignment, calculated on the shippers' invoice price. In return for this the steamship people agree to deliver the full amount of grain signed for in the bill of lading and to make up any deficiency. This is a matter of no little importance to grain exporters, as it will enable them to sell grain in specific lots and make deliveries accordingly. The four-fifths per cent. is on grain from Canadian and North Atlantic ports; shippers from Gulf ports will pay seven-eighths of one per cent.

Another important clause is that allowing steamers to discharge at Tilbury Docks or elsewhere providing they lighter the grain to the Victoria Docks—a distance of something more than fifteen miles. This is more par-

ticularly a convenience for the Atlantic Transport Line, whose large steamers dock at Tilbury.

The steamship lines in the agreement includes the following lines:—Atlantic Transport Line, National Steamship Company, Limited, Furness-Withy & Co., Limited, Chesapeake & Ohio Steamship Co., Limited, Wilsons & Furness-Leyland Line, Limited. Aside from these lines and the London Corn Trade Association the London Grain Elevator Company, Limited, is a party to the agreement. Following is the agreement, in part:

"1. The shipowners shall be at liberty henceforth to discharge at Tilbury or elsewhere without weighing all grain brought by their steamers to the port of London and carried under bills of lading or other contract of affreightment stamped as provided in clause 12 hereof, and at their own expense to forward all grain so discharged to the silos of the elevator company in the Victoria Docks and thence to weigh and deliver the same to the consignees upon and subject to

the following terms and conditions. Until the delivery of the grain from the silos of the elevator company the voyage is not to be deemed to be terminated as regards the risks taken by the shipowners under the bill of lading.

"2. A notice shall be posted up in the office of the shipowners for forty-eight hours before any steamer belonging to or chartered or loaded by or for them shall dock, and such notice shall state whether it is intended to discharge such steamer under the terms of this agreement or (in case of discharge at a dock other than Tilbury) to make over-side delivery, and after such notice the arrangement therein notified shall not be altered and thereupon the following stipulations shall come into effect.

"3. Unless prevented by fog, ice, breakdown of machinery, strikes or combination of workmen or delay in transit to the silos from causes beyond the shipowners or the elevator company's control the grain shall be ready for delivery from the silos free

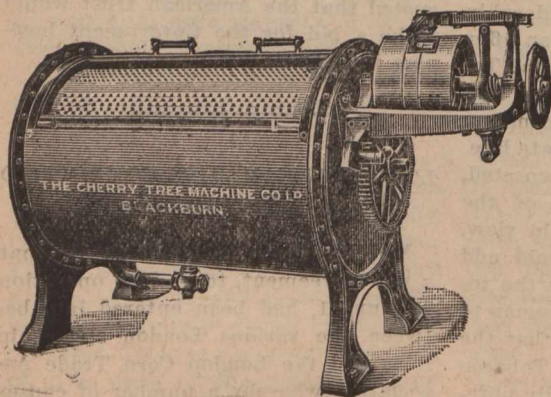
The Cherry Tree Machine Co.,

LIMITED

MAKERS OF HIGH-CLASS MODERN

Laundry • Machinery,Rotary Washing Machines; Metal and Wood
Shirt and Collar Ironing Machines.Drying Closets and Drying Rooms on Hot-
Blast System.

IT WILL PAY YOU GET OUR PRICES.

CHERRY TREE, near Blackburn, Eng.

EDGAR ALLEN & CO., LTD.,
Imperial Steel Works,
SHEFFIELD, Eng.
 MANUFACTURERS OF
BEST 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.

of charge within seventy-two hours from final discharge of each bill of lading quantity from ocean steamer. Demurrage to be paid by the elevator company on all craft detained more than seventy-two hours after the twenty-four hours' notice mentioned in clause 4, unless the detention is caused by fog, ice, breakdown of machinery, strikes, or combination of workmen.

"4. Consignees are to be allowed twenty-four hours' (Sundays and legal holidays excepted) for the removal of grain from the silos, such twenty-four hours to be reckoned from the time notice is given by the elevator company to consignees that grain will be ready for delivery. Application for grain is to be made in the usual manner by releases, barges and men and, or, delivery order to rail, and the charge for delivery to rail shall not exceed that for overside delivery to rail. No notice is to be given between noon Saturday and 10 a.m. Monday. After such twenty-four hours if delivery has not been duly applied for the grain will in accordance with the custom of the port be delivered to the dock company for warehousing, and shall be subject to the dock company's powers, regulations rates and

conditions, and the liabilities of the shipowners and of the elevator company shall thereupon cease except in respect of the guarantee of out-turn hereinafter referred to.

"5. Should any damaged grain be found in the vessel the shipowners will give the consignees sufficient notice to enable them to survey such damage and will under the consignees' superintendence discharge from the ship and separate such damaged grain and bring it to the Victoria Docks free of charge. Any sweepings and loose grain collected to be delivered free from silos to the consignees. The pro rata appropriations are to be delivered at the same cost as when overside delivery is made.

"6. Should the shipowners fail to comply with the conditions of clause 5 the consignees may claim delivery from the silos of an equal amount of sound grain or if damaged grain be delivered they shall be paid the difference in value.

"7. In all cases of grain carried under this agreement shippers from North Atlantic and Canadian ports shall on or before delivery of bill of lading pay to the shipowners four-fifths of one percent. of the value of the consignment, calculated on the shippers' invoice price, and shippers

from Gulf ports shall pay seven-eighths of one per cent. calculated in the same manner, and the shipowners shall guarantee to the shippers the delivery to the consignees of the bill of lading quantity, or in default payment to the shippers' representatives in England nominated for the purpose of receiving such payment by an indorsement by the shipper on the bill of lading, or failing such indorsement, then to the order of the holder in London of the bill of lading for the deficiency on the basis of the above named invoice price. In arriving at the quantity delivered due allowance shall be made for any increase in weight caused by water. Nothing in this clause contained shall exclude the perils excepted by the respective bills of lading until delivery of the grain at the said silos except in so far as concerns the one-half per cent. deficiency, which is not recoverable, under the ordinary grain marine insurance policies for the time being in force."

**EFFECTS OF HARD WATER IN
 WOOL DYEING.**

Pure water is probably nowhere to be found in nature. The water of

— Established * 1825. —

A. G. THOMSON & CO., Limited,
 Highland Whisky Distillers,
 Blenders and Bottlers to Wholesale Trade only.
 PROPRIETORS OF
GLENCADAM DISTILLERY, Brechin, Forfarshire,
 where the Best Scotch Barley only is used.

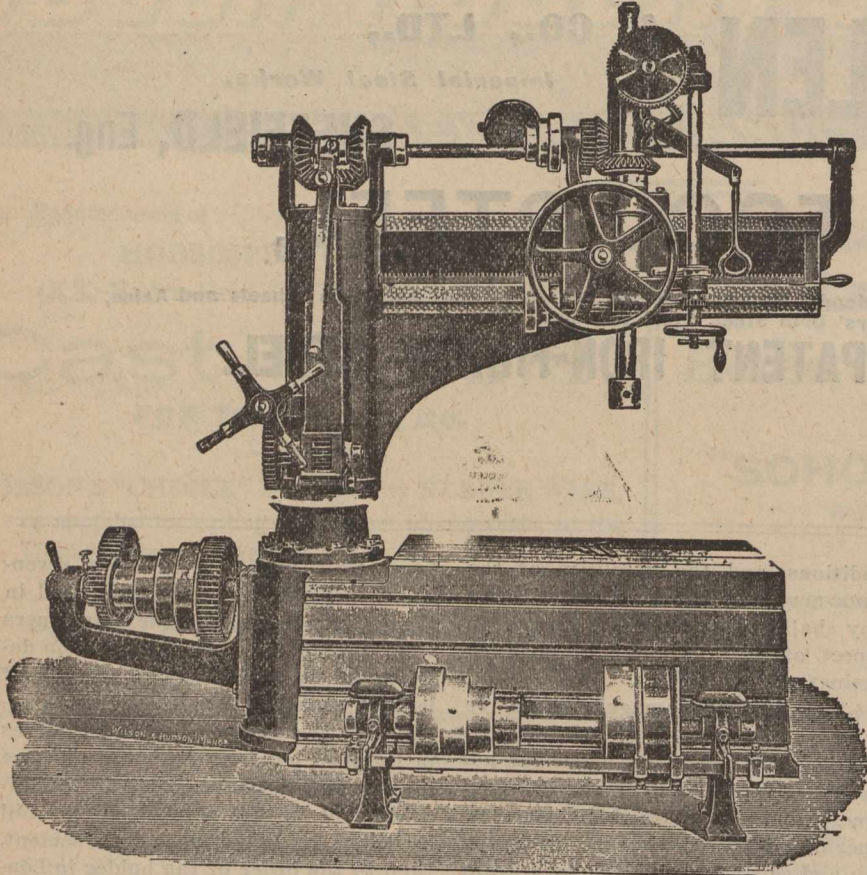
Standard Blends of Fine Scotch Whiskies, of all ages from new to 20 years old.

Buyers' own Brands or Labels alone used when desired.

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

AGENTS WANTED IN MONTREAL AND TORONTO.

GEORGE SWIFT,
 Claremont Iron Works, HALIFAX, ENGLAND.



IMPROVED 5-FT. RADIAL DRILLING AND TAPPING MACHINE

Machine Tools ^{of every} Description. Drilling Machines ^{-A-} Speciality.

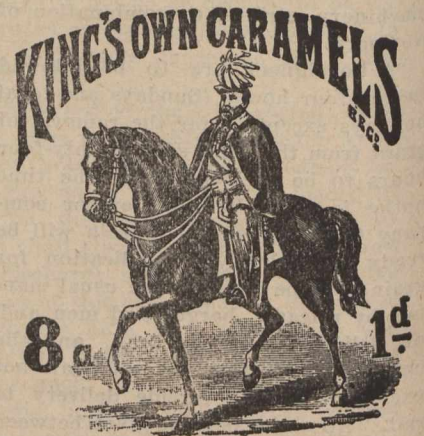
any river or spring invariably contains more or less solid matter, either in suspension or in solution, which solid matter influences dyes, sometimes to such a degree that certain colors can be produced with water containing certain substances. Besides the matter in suspension, the amount of which is indicated by the greater or less turbidity of the water, which, as every dyer is aware, injures very delicate and pure colours, natural water always contains salts in solution, the action of which is of very great importance, though less manifest. A water, for instance, may contain over 28 grains of solid matter per gallon, 7 grains of which are calcium oxide and 3 grains magnesium oxide in solution, combined partly with carbonic and partly with hydrochloric and sulphuric acids. The quantity of lime and magnesia has an influence not to be overlooked in wool dyeing.

In preparing a fresh bath for scouring, says the Textile Mercury, it will be found that a part of the soap used combines, in dissolving, with the lime and magnesia of the water, and forms a curdy soap. This substance floating on the surface of the bath can be skimmed off, but a part of it remains suspended in the water as a whitish, amorphous precipitate, giving it a milky appearance. The water taken as an example contains in a gallon 10 grains lime and magnesia—that is, 1.43 lb. for every 1,000 gallons water used

for scouring. This 1.43 lb. lime and magnesia, however, transforms 34 lb. soft soap containing 20 per cent. water, or 20 lb. curd soap containing 20 per cent. water, into insoluble lime soap, which is not only completely lost but has besides a very injurious effect. Now, if 20 lb. soft soap be used for the bath, 17 per cent. of the soap employed is entirely lost. In scouring with this soap the above-mentioned precipitate of lime soap settles upon the wool and creates impediments to the subsequent dyeing processes. The lime is only removed after scouring several lots of yarn in the same bath, and the yarn which is then so scoured becomes not only whiter but cleaner too, while the yarn which was scoured in the fresh bath feels sticky and is never so clean. The fact being well known, the practical dyer prefers first to scour a lot of inferior yarn, or such as is intended for dark colors, before handling pieces or yarns which are intended for delicate shades. The bath being always used for some length of time, the water which is taken up by the wool must be replaced, and thereby, of course, lime soap is again formed by the lime of the fresh water. Almost every lot of wool which is scoured with this soap is, therefore, more or less charged with lime soap. After removing the fatty matter the wool yarn is washed in water, however, being thoroughly impregnated with the soap solution. On its coming into contact with the lime-charged water, lime soap is again

A BIG
 SELLER!!

Everyone in the
 Trade should
 stock them.



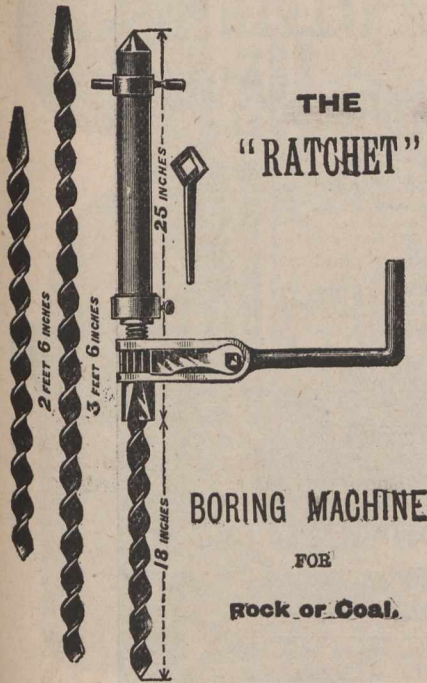
Manufactured
 Solely by
 The

**Lancashire Steam
 Confectionery Co.,**

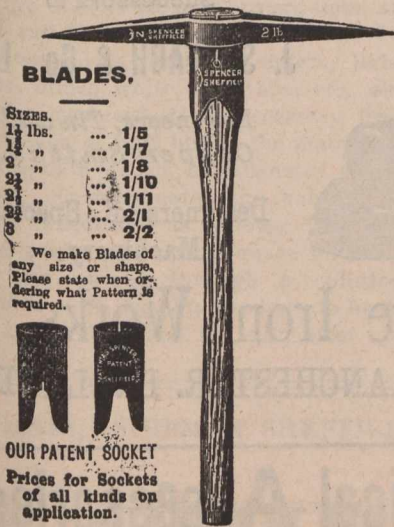
LIVERPOOL,
 England.

Special prices to Canadians under the
 new tariff.

MATTHIAS, SPENCER & SONS,



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



Ratchet Handle charged extra.

Albion
Steel
Works,
SHEFFIELD, ENGLAND.

JOHN PICKLES & SON,

Saw-Mill Engineers and Wood-Working Machinists,

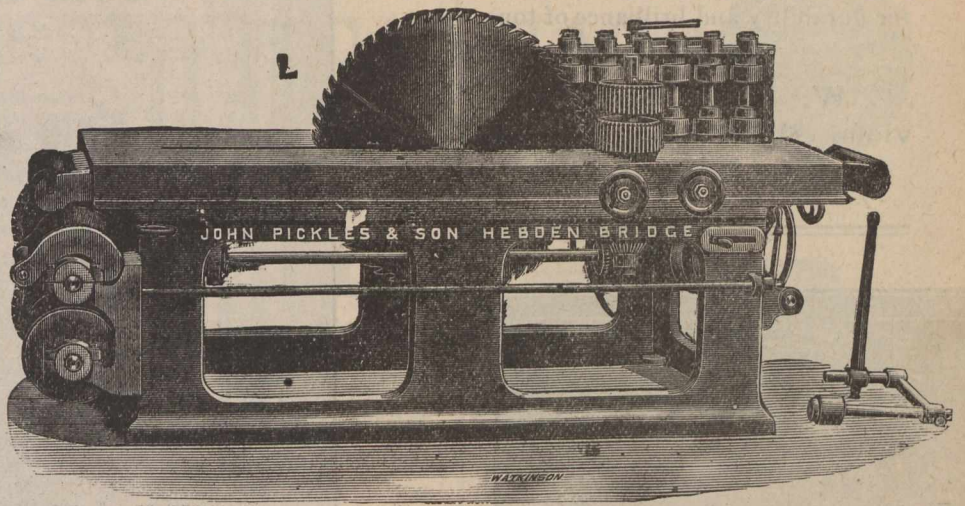
HEBDEN BRIDGE, ENGLAND.

Makers of Every Description of

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

FOR HOME, FOREIGN and COLONIAL REQUIREMENTS.

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.

formed, but now upon the fibre, to which it adheres more firmly, and from which it cannot be removed by the most careful washing. From the above it is pretty plain that woollen goods are nearly always placed into a dye-bath more or less charged with this curdy and glutinous lime soap.

Dyeing in an acid bath: If this wool is mordanted for dyeing, as usual, with sulphuric acid and Glauber's salt, the acid partly decomposes the lime soap, forming sulphate of lime, and free fatty acid, which adheres to the wool, giving it an oily touch; this, however, acts as a mordant for many dyestuffs, attracting the colors itself. This is particularly the case with the group of basic dyestuffs, which not only dye the wool, but the fatty matter respectively, as the undecomposed lime soap forms with these substances colored combinations which are insoluble in water. These (however, only adhere superficially to the fibre, which causes goods dyed, for instance, with methyl violet or magenta to rub off. It is well known that alkaline blue, which dyestuff also belongs to this class, is dyed in an alkaline bath and developed in an acid bath. It has also a great affinity for all fatty bodies, and therefore not only the wool, but the lime soap also takes the dyestuff, and it is well known how goods dyed with this blue rub off while new.

Dyeing upon a bath containing alum, etc.: If mordants of metallic salts are used for dyeing, the injurious action of lime and magnesia contained in the water is still more pronounced. In this case, by double decomposition, firstly, the fatty acid combination of the

metal is formed; secondly, if the metallic salt is a sulphate, or if oxalic or tartaric acid is used, an insoluble calcium salt is formed, which settles upon the fibre in the form of a whitish powder, causing the color to look flat, dusty, and dull, with a very unpleasant appearance in the cut. This substance containing fat, and also containing a metallic base, attracts most dyestuffs, which therefore dye this metallic soap. The attraction which this substance has for the dyestuff is often greater than that of the wool—that is, it takes the dye more readily than does the wool, and even the most careful washing is useless for removing this body. But when the goods are dry, the thick layer of sticky lake can be rubbed off from them with a cloth. These phenomena occur to a greater or less degree with logwood blacks and blues, with cochineal, and with all anthracene dyestuffs, as well as in the acid bath, if alum has been added, or when it has been used to better fix indigo carmine; or with certain azo dyestuffs, when it is added for the purpose of preventing soft yarns from felting, or for strengthening weak yarns.

The moral of all is that it is better to soften waters before using them for scouring and dyeing wool.

BLEACHING AND DYEING TUSSAH SILK.

Tussah silk in its crude state, surrounded by its yellowish brown to red

VIOLIN STRINGS.

TO VIOLINISTS. Please send me your address for post free catalogue of **STRINGS, FITTINGS** And **NOVELTIES.**

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

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

EST. BISHOPSTON 1850 **ESTABLISHED 1859**

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

PATENT PAPER PERFORATED & SPECIAL TUBES & SPOOLS
FOR REAMING AND LIT. PRESSING.
PERFORATED TUBES OF E. JAGGER & Co.'s Patent System.
CANNETTER, PAPER, FORMS.

Patent Conical and Parallel TUBES and SPOOLS
OLDEST MAKERS OF PAPER, SPOOLS & BLOCKS
FOR THE INDUSTRY.

COMPRESSED PAPER BOBBINS OF ALL KINDS
FOR MILL PURPOSES.
SPECIAL WINDING BOBBINS FOR SCOTCH YARNS, TWISTS, &c.
PAPER FOR BLENDING, GUMMING, &c., &c. & WIRE SPINDLE KINGS.

Sole Makers of SWALES' PATENT TUBING APPARATUS.
WITH A PATENT ON PORTABLE TUBING.
Which is the most expeditious in placing Tubes on the Spindles.
All communications to be addressed to the Works.

Oldham Cop Tube Works
MOORHEY, OLDHAM,
ENGLAND.

ESTABLISHED 1878

J. R. 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

brown coating of gum or "bast," looks in no way similar to the cultivated silk from the true silkworm, Bombyx mori, though its soft feel indicates a good and strong product of great utility. The removal of this slimy covering is the first requirement to obtain a purer, colorable ground. In analogy with the ungumming of mulberry worm silk, a boiling solution of soap is employed, to which a certain quantity of carbonate of soda is added; in this the silk to be ungummed is laid down. Ordinary good soft soap is used, about 1 lb. for 5 lb. of tussah silk. One or two baths of boiling water should first be given, whereby a large quantity of accidental impurities, dust, etc., are removed, and a partial loosening of the bast effected. The silk, being placed in the boiling soap solution, is then given several turns, left upon the bath for one-quarter of an hour, with repeated turnings, and after removing the adhering soap as well as the loosened bast two hot water baths should be given. By removing the adhering water by hydro-extractor the preparatory operations

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

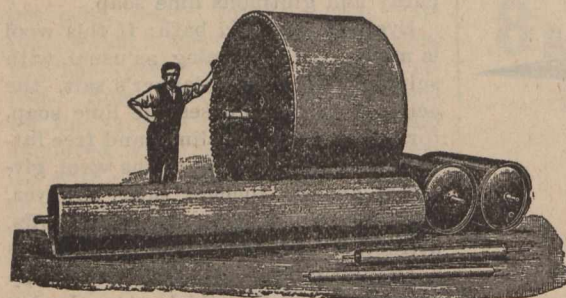
Donovan & Co., Ltd.,

Successors to

J. S. LEACH & Co., Ltd.

Engineers, Tin and Copper Smiths,

Designers of Special Machinery.



Broughton Bridge Iron Works,
SALFORD, MANCHESTER. ENGLAND.

D. & S. Electrical Accessories.
CIRCUIT BREAKERS.

Automatic Maximum, Minimum, and Reverse Current

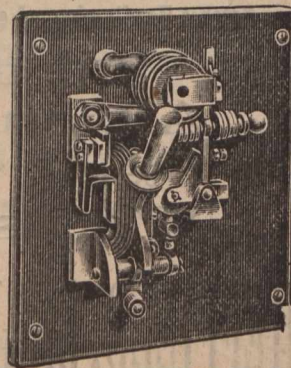
WITH PATENT "GRIP" CONTACTS.

Send Enquiries to:—

DORMAN & SMITH.

Head Office and Works:—

Ordsal Electrical Works,
SALFORD, MANCHESTER, Eng.
And at
94, Charing Cross Road, London, W.C., Eng.
56, Margaret Street, Sydney, N.S.W.



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



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

THE Shrewsbury & Challiner Tyre Co., Ltd.,

MANUFACTURERS OF

INDIA RUBBER CARRIAGE

.....AND.....

MOTOR CAR TYRES EVERY DESCRIPTION.

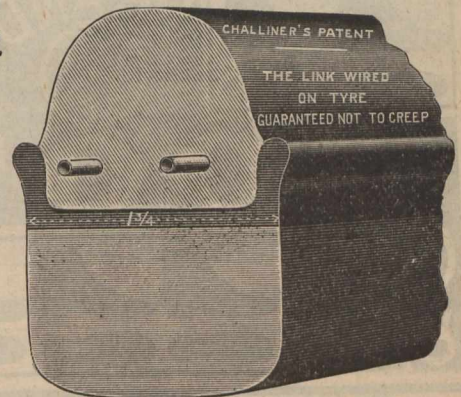
INCLUDING THE

CUP TYRE

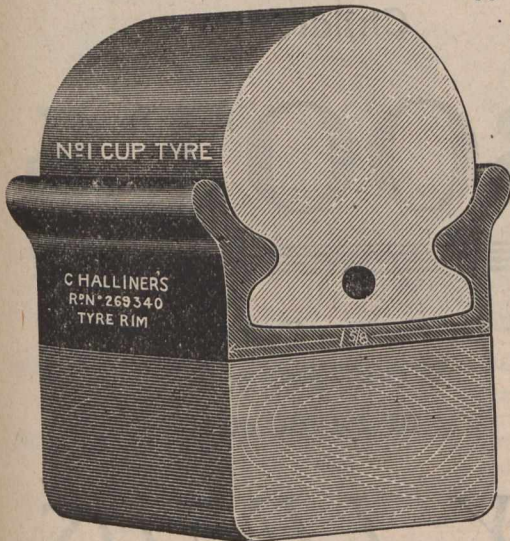
Specially adapted for Motor Cars, Omnibuses, &c. Over 1,000 tons supplied during the last 12 months. Made in eight sizes to suit all classes of Vehicles.

NOTED FOR

Comfort, Combined with
Strength and Durability.



The King of the Wired-on Tyres.



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

WRITE FOR DESCRIPTIVE PRICE LIST.

are completed, and the silk can immediately be dyed dark colors in the ordinary way; bronze, for instance, with indigo substitute, and orange upon an old sud bath and acid. If, however, lighter colors, such as cream, light blue, bluish white, rose, etc., etc., are to be produced, it is necessary first to bleach or half bleach the materials.

The half bleach, by means of potassium permanganate and sulphurous acid, is effected as follows: The silk 77½ grains of permanganate for 1 lb. is first passed through a solution of silk at 77 deg. F.; the bath is heated to 100 deg., and the silk, after an-

other passage, left in the bath for a few minutes, whereupon it is passed through boiling water, to which dilute sulphuric acid, 1 in 10 (about 4 pints for 1 lb.), is added, and the silk left exposed to its action for some time, when the acid is removed by two or three hot water baths. In this manner a dark cream color is obtained.

The full bleach is obtained by using a bath of hydrogen peroxide and sodium silicate, as follows: The silk is placed upon a boiling water bath, to which about 20 pints of the commercial peroxide (for 10 lb. of silk) and 1 lb. sodium silicate has been added. Af-

ter giving several turns, the bath is brought to the boil, three or four times, while the silk is again and again carefully turned. When it is sufficiently white, two hot water baths are given, the silk put in the hydro, sticked anew, and hung overnight in the sulphuring box; on the following morning two water baths are given and the silk is ready for dyeing.

The color of the silk in this condition is rather a cream color, the white silk maintaining a yellowish tint, which can be covered, however, by bluing with a little fine alkali blue, red or violet touch. By whatever method the

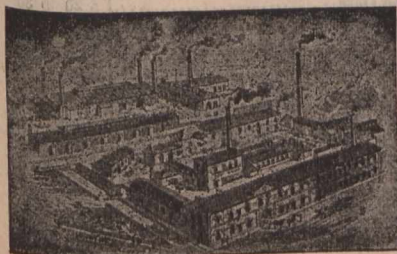
Telegrams, "SHIPMAN, SHEFFIELD."

Honourable Mention International Exhibition, 1862

J. SHIPMAN & CO.

Attercliffe Steel Works and Wire Mills,

SHEFFIELD, - ENG.



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

TOOL STEEL, MINING STEEL, &C.

Special Prices to Canadians
under the New Tariff.

JOHN HALLIDAY & SON

Wholesale and Export Manufacturers

Of Strong and Medium

Men's,
Women's
and
Children's

BOOTS



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

WARRANTED
ALL
LEATHER.

BRAMLEY, LEEDS,
ENGLAND.

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, JUNE 5, 1902.

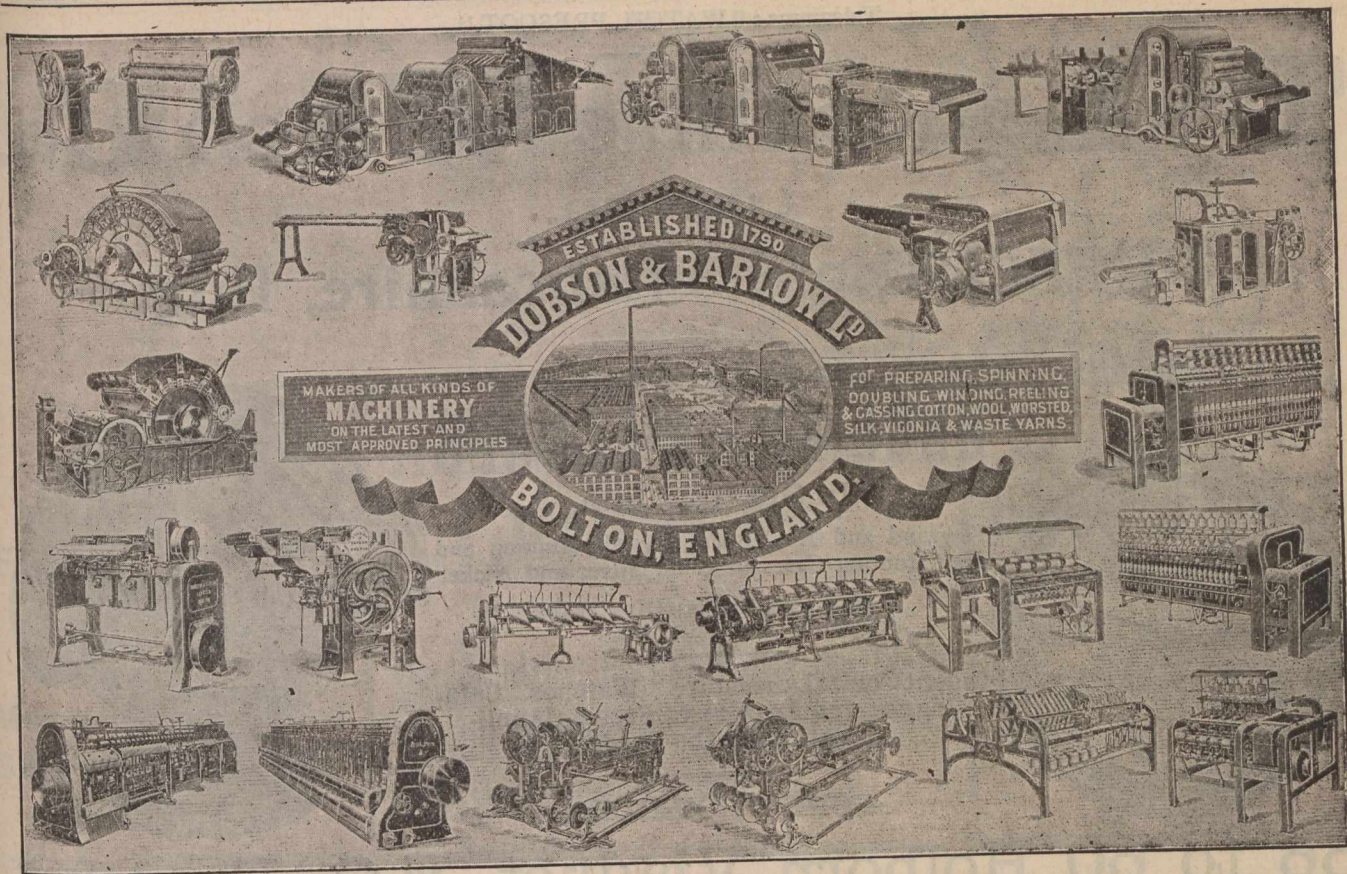
Name of Article.	Wholesale	
	\$ c.	\$ c.
Drugs & Chemicals		
Acid Carbolic Cryst medl.....	0 30	0 35
Aloes, Cape.....	0 16	0 18
Alum.....	1 40	1 75
Borax, xtls.....	0 04	0 08
Brom. Potass.....	0 70	0 80
Camphor. Ref Rings.....	0 00	0 80
" Ref oz. ck.....	0 80	0 85
Citric Acid.....	0 35	0 40
Citrate Magnesia lb.....	0 25	0 45
Cocaine Hyd. (oz).....	5 50	6 00
Copperas, per 100 lbs.....	0 75	0 80
Cream Tartar.....	0 20	0 25
Epsom Salts.....	1 35	1 75
Glycerine.....	0 17	0 20
Gum Arabic per lb.....	0 20	0 40
" Trag.....	0 50	1 00
Insect Powder lb.....	0 25	0 40
do per keg, lb.....	0 22	0 30
Menthol, lb.....	5 00	5 50
Morphia.....	1 55	1 65
Oil Peppermint lb.....	2 75	2 50
Oil Lemon.....	1 15	1 25
Opium.....	3 75	4 00
Oxalic Acid.....	0 06	0 09
Phosphorus.....	0 50	0 75
Potash Bichromate.....	0 08	0 10
Potash Iodide.....	3 00	3 40
Quinine.....	0 35	0 45
Strychnine.....	0 65	0 80
Tartaric Acid.....	0 28	0 33
Licorice.—		
Stick, 4, 6, 8, 12, & 16 to lb., 5 lb. boxes.....	2 00	0 00
Acme Licorice Pellets, cans.....	2 00	0 00
Licorice Lozenges, 1 5 lb. cans.....	1 50	0 00
Heavy Chemicals.		
Bleaching Powder.....	1 75	2 50
Blue Vitriol.....	4 25	0 50
Brimstone.....	2 00	2 50
Caustic Soda.....	2 00	3 00
" ".....	0 00	0 00
Soda Ash.....	1 35	1 50
Soda Bicarb.....	1 75	2 25
Sal. Soda.....	0 75	0 85
" Concentrated.....	1 50	2 00
Dyestuffs.		
Archil, con.....	0 27	0 29
Cutch.....	0 08	0 09
Ex. Logwood.....	0 09	0 12

bleaching of tussah silk is undertaken, however, it requires a great amount of work, trouble, and money to procure a pure white. Nevertheless it is up to the present time near to impossible to obtain as beautiful a white as is produced upon true silk by simple sulphuring. A great obstacle to the production of a possibly uniform fine white is the diversity of individual lots, skeins, and parts thereof in their natural color, so that even in a large lot, but few threads of exactly the same color can be found. This diversity can only be overcome by greater care in collecting and sorting the cocoons and the cultivation of the various silk-producing worms.

As regards the dyeing of tussah silk, there are no difficulties in producing the ordinary medium and dark colors. The dyebaths are, as usual, produced with an old soap bath and acid, but generally a little more of the latter is used than for real silk. Tussah silk, as a rule, requires also a little more dyestuff, and the colors run up more slowly and often unevenly. For these reasons particularly careful working is required, especially as tussah silk is very apt to mat together. Great attention is above all required for handling the silk for light colors—alkaline blues especially. Frequent turning, and heating of the bath to the boil at every entry are especially necessary. Water blue has also a strong tendency

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, JUNE 5, 1902.

Name of Article.	Wholesale.	
	\$ c.	\$ c.
Chip Logwood.....	1 75	2 50
Indigo (Bengal).....	1 50	1 75
Indigo Madras.....	0 70	1 00
Gambler.....	0 06	0 07
Madder.....	0 09	0 12
Sumac.....	60 00	65 00
Tin Crystals.....	0 28	0 30
Fish.		
Bloaters, per box.....	1 00	1 25
Labrador Herrings, N.F.....	0 00	0 00
Herrings, Nova Scotia.....	0 00	5 89
Mackerel No. 2, brls.....	0 00	12 50
" " 1/4 barrel.....	6 00	6 50
Green Cod, No. 1.....	6 00	6 00
Green " large.....	0 00	3 00
No. 2.....	5 00	0 00
Large dry Gaspe per qntl.....	5 00	5 25
Salmon, brls Lab.....	11 50	14 00
Salmon, (half brls).....	0 00	6 50
" Brit. 60l brls.....	11 50	00 00
Boneless Fish.....	0 04	0 00
" Cod.....	0 06	0 08
Skinless Cod, case.....	5 00	5 50
N. S. Salt Herrings, in half-barrels	0 00	3 00
Loch Fyne Herrings, keg.....	1 10	1 15
Flour.		
Ogilvie's Hungarian.....	0 00	4 30
Ogilvie's Glenora Patent.....	0 00	4 00
Manitoba patents.....	4 00	4 20
Strong Bakers.....	3 70	3 90
Winter Wheat patents.....	4 00	4 10
Straight roller.....	3 65	3 80
do bags.....	1 75	1 85
Superfine.....	0 00	0 00
Rolled Oats.....	5 20	6 50
Corn meal, bag.....	1 50	1 55
Bran bulk.....	19 00	20 00
Shorts.....	21 00	22 00
Moullie.....	24 00	27 00
Farm Products.		
BUTTER: Cholest Western Cr.....	0 19	0 19
Eastern do.....	0 19	0 19
Under Grades Cr.....	0 18	0 19
Townships Dairy.....	0 18	0 18
Western Dairy.....	0 15	0 17
Good to choice.....	2 14	0 16
Fresh Rolls.....	0 00	0 00



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

MONTREAL WHOLESALE PRICES CURRENT
 THURSDAY, JUNE 5, 1902.

Name of Article.	Who lesale	\$ c.	\$ c.
Farm Products.—Con.			
ONIONS:			
Ont. New.....		0 10	0 10½
Eastern.....		0 9½	0 10
EGGS:			
New laid (shipped).....		0 14	0 15½
Held fresh.....		0 00	0 00
Straight fall.....		0 00	0 00
Limed.....		0 12½	0 13
No. 2.....			
BERRIES—			
Potatoes, per bag of 90 lbs.....		0 80	0 95
Honey, White Clov., Comb.....		0 13	0 14
“ Extracted.....		0 07	0 08
Beeswax.....		0 25	0 30
BEANS: prime.....		1 25	1 30
do. Best hand-picked.....		0 00	0 00
Groceries.			
Sugars: Factory.			
Ex Granulated, brls.....		0 00	3 60
Acadia gran'd.....		0 00	3 55
Ex Ground, in brls.....		0 00	4 35
“ in bxs.....		0 00	4 55
Powdered, in brls.....		0 00	4 10
“ boxes.....		0 00	4 25
Paris Lump, in brls.....		0 00	4 35
“ half brls.....		0 00	4 35
“ 100-lb bxs.....		0 00	4 45
“ 50-lb bxs.....		2 95	3 35
Branded Yellows.....		0 24	0 27
Molasses (Barbados).....		0 26	0 30½
do brls. & ¼s.....		0 09½	0 11
Evaporated Apples.....			
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 07
“ Layers.....		0 06½	0 07
“ 100 lbs.....		0 05	0 05½
“ 50 lbs.....		0 00	0 06
“ 25 lbs.....		0 00	0 00
“ 10 lbs.....		0 00	0 07
“ 5 lbs.....		0 07	0 09½
“ French.....		0 04	0 05
“ in bags.....		0 08½	0 00
“ new layers.....		0 08	0 13
RICE, C. C.			
standard B.....		0 00	3 10
“ Patna.....		4 25	4 75
“ Burma.....		4 00	4 10
“ Crystal Japan.....		4 50	0 00
“ Carolina.....		0 00	5 37½
“ Java.....		0 00	2 00
Pot Barley, bag ¼ lbs.....		0 03	0 05
Pearl “ per lb.....		0 03	0 04
“ per 100 lbs.....		0 03½	0 04
“ Flake.....		0 03½	0 04
Corn, 2 lb. tins.....		0 80	0 85
Peas, 2-lb tins.....		0 82½	0 90
Salmon, 4 doz. case.....		3 60	5 00
Tomatoes, 3s. per doz.....		0 87½	0 95
String Beans.....		0 90	0 85

to dye up evenly. The silk is entered at 122 deg. F. and carefully worked; the temperature is then raised to 167 deg., and finally to the boil.

When using indigo substitute discretion is to be exercised in its employment, because it deepens uncommonly in shade after dyeing, and of changing to much darker shades in drying. As regards matching, it should be remarked that instead of the simple sharp ringing off and matching of dry portions, as usual for true silks, tussah silk must be dried, and the dry threads vigorously passed over the polished steam supply pipe, which process is indicative of the change, darkening of the color, produced when the silk passes over the hot rollers of the lustring apparatus or finishing machine, which must be taken into consideration when trying to dye exactly to sample. It may also here be observed that the tussah requires a little more sulphuric acid than the true silks in dyeing as well as in brightening, in order to obtain the proper touch.

CHEMICALS IN SPAIN.

Consul Lay, writing from Barcelona, Spain, says that resident German engineers some time ago constructed works there for the manufacture of chloride of lime and caustic soda. The electrolytic system of production was selected, and the company, under the name of Sociedad Electro-Quimica de Flix, commenced building operations in 1896 at the town of Flix, about 100 miles from Barcelona, on the railway to Madrid, securing easy facilities of transport, cheap labor, a sufficient water supply, and access to plentiful limestone and salt deposits. The company started with a capital of 4,000,000

MONTREAL WHOLESALE PRICES CURRENT.
 THURSDAY, JUNE 5, 1902.

Name of Article.	Wholesale	\$ c.	\$ c.
Hardware.			
Antimony.....		0 09½	0 10
Tin. Block, L & F, ½ D.....		0 00	0 34
“ Straits.....		0 00	0 30
“ Strip.....		0 00	0 30
Copper: Ingot.....		0 00	0 80
CUT NAIL SCHEDULE.			
Base Price, per Keg, car lots.....		2 37½	0 00
Less quantity.....		2 45	0 00
Extras—Over and above 30d.,			
40d., 50d., 60d and 70d Nails.....			
Cut and Fence Nails—			
16 and 20d Hot Cut, per 100 lbs.....		0 05	0 00
10 and 12d “.....		0 10	0 00
8 and 9d “.....		0 15	0 00
6 and 7d “.....		0 30	0 00
4 and 5d “.....		0 40	0 00
3d “.....		0 65	0 00
2d “.....		1 00	0 00
Cut spikes 10c, per Keg advance.....			
Fine blued nails—			
2d per 100 lbs.....		1 00	0 00
3d “.....		1 50	0 00
Casing, Box, Tobacco Box and Flooring Nails—			
80 to 30d per 100 lbs.....		0 55	0 00
10 to 16d “.....		0 60	0 00
8 and 9d “.....		0 65	0 00
6 and 7d “.....		0 70	0 00
4 to 5d “.....		0 95	0 00
3d “.....		1 20	0 00
Finishing nails—			
3 inch and longer per 100 lbs.....		0 60	0 00
2½ and 2¼ inch.....		0 65	0 00
2 and 2¼ “.....		0 70	0 00
1½ and 1¼ “.....		0 95	0 00
1¼ “.....		1 20	0 00
1 “.....		1 50	0 00
Slating nails—			
1½ and 1¼ inch per 100 lbs.....		0 95	0 00
1¼ “.....		1 20	0 00
1 “.....		1 50	0 00
Common barrel nails—			
1¼ inch per 100 lbs.....		1 00	0 00
1 “.....		1 00	0 00
¾ “.....		1 25	0 00
½ “.....		1 50	0 00
Clinch nails—			
3 inch and longer per 100 lbs.....		0 60	0 00
2½ and 2¼ inch.....		0 65	0 00
2 and 2¼ “.....		0 70	0 00
1½ and 1¼ “.....		0 95	0 00
1¼ “.....		1 20	0 00
1 “.....		1 50	0 00
Sharp and flat pressed nails			
3 inch and longer per 100 lbs.....		1 35	0 00
2½ and 2¼ inch.....		1 50	0 00
2 and 2¼ “.....		1 65	0 00
1½ and 1¼ “.....		1 85	0 00
1¼ “.....		2 50	0 00
1 “.....		3 00	0 00
Coil Chain—No. 5.....		0 11½	0 00
“ 4.....		0 10	0 00
“ 3.....		0 09½	0 00
“ 2.....		0 09	0 00
“ 1.....		0 07½	0 00
“ 5-16.....		4 35	0 00
“ 3/16.....		4 25	0 00
“ 1/4.....		4 00	0 00

Telegrams: "WATCH, PRESCOT."

The Lancashire Watch Co.

LIMITED.

PRESCOT, Lancashire, Eng.

The Largest Manufacturers of

ENGLISH WATCHES

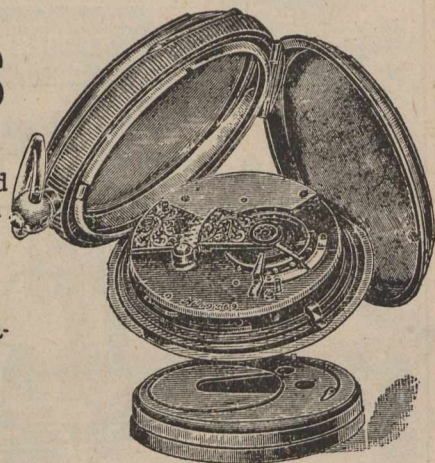
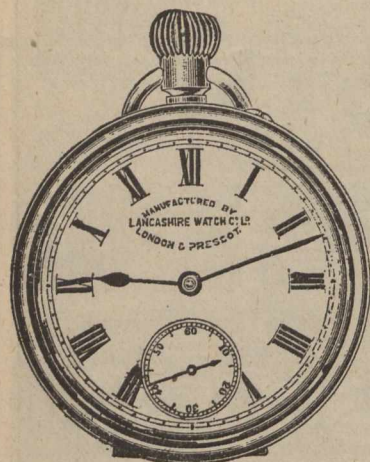
In Great Britain.

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, JUNE 5, 1902.

Name of Article.	Wholesale.	
	\$	c
Hardware—Con.		
<i>Oil Chain</i> —No. ¼	3 85	0 00
9-16	3 75	0 00
¾	3 65	0 00
¾	3 76	0 00
¾	3 60	0 00
1 in.	3 60	0 00
<i>Galvanized Staples</i> —		
100 lb. box, 1¼ to 1½	3 25	0 00
Bright, 1¼ to 1½	2 90	0 00
<i>Galvanized Iron:</i>		
Queen's Head, } gauge 28	4 40	4 65
or equal. } gauge 28	4 10	4 35
Comet do 28 gauge		
<i>Iron Horse Shoes:</i>		
No. 2 and larger	0 00	3 50
No. 1 and smaller	0 00	3 75
<i>Bar Iron, per 100 lbs.</i>	1 90	1 95
Car lots	0 00	0 00
Norway, base	0 00	4 25
Am. Sh. 8½, 6 ft. x 2¼ ft.	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, ¼ in.	0 00	2 10
“ “ “ 3-16 in.	0 00	2 10
Hoop Iron, base for 2 in. and larger	0 00	2 90
Band Canadian, 1 to 6 in. 30c; over base of ordinary iron, smaller size Extras.		
<i>Canada Plates:</i>		
Full Polish	3 75	
Ord. 52 sheets	2 65	
“ 60 do	2 70	
“ 75 do	2 75	
<i>Black Iron pipe, ½ in. x ½ in.</i>	2 72	
¾ in.	2 92	
1 in.	3 42	
1 in.	4 85	
1½ in.	6 85	
1½ in.	8 20	
2 in.	11 00	
per 100 ft. nett.		
<i>Steel, cast p. lb., Blk Diam'd.</i>	0 08	base
“ Spring, 100 lbs.	2 75	0 00
“ Tire,	2 20	base
“ Sleigh shoe, 100 lbs.	2 10	base
“ Toe Calk.	2 65	
“ Machinery	2 75	base
“ Harrow Tooth	2 50	
<i>Tin Plates:</i>		
IC Coke, 14 x 20	4 25	
IC Charcoal, 14 x 20	4 50	
IX Charcoal	5 50	
“	6 50	

pesetas (about \$600,000), and the estimated output of the works was 5,000 tons of chloride of lime and 2,000 to 2,500 tons of caustic soda. At the end of 1899, the company began to place its manufactures on the market, causing some uneasiness to foreign makers of these articles, as prices at that time had a decided upward tendency, and it was feared that considerable sacrifices would be necessary to meet the new competition.

So far as can be ascertained, however, the Flix works has not fulfilled expectations. Foreign manufacturers have not suffered to any appreciable extent, and the imports of bleaching powder and caustic soda during the last two years show little, if any, falling off. Spain draws her supply of caustic soda mainly from Great Britain, a large quantity is also imported from Belgium and France. Barcelona, the leading port in Spain, takes the first place, with from 50 to 60 per cent. of a total consumption of from 25,000 to 30,000 tons per annum, being followed by Seville. During 1901, industrial chemicals ruled high, and, averaging the price of caustic soda at £10 (\$48.66) per ton, Spain's foreign purchases of this article amounted to from \$1,250,000 to \$1,500,000. Caustic soda is principally used in Spain for making soap, the well known firm of Roamora Hermanos, of this city, using upward of 1,000 tons per annum.

Chloride of lime, an essential article, in a large bleaching and finishing centre like Barcelona and surrounding

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, JUNE 5, 1902.

Name of Article.	Wholesale.	
	\$	c
<i>Terne Plate IC, 20x28</i>	7 75	0 00
Russ. Sheet Iron	0 10	0 00
Lion & Crown tin'd sh'ts.		
22 and 24 gauge case lots	00	7 00
26 gauge	0 00	7 75
Lead: Pig, per 100 lbs;	3 25	3 35
Sheet,	0 00	6 04
Shot, 100 lb., less 23¼ p c.	0 00	6 50
Lead Pipe, per 100 lbs.	7 00	0 00
		less 85 p.c.
<i>Zinc:</i>		
Spelter, per 100 lbs.	0 00	4 75
Sheet, Zinc "	5 75	6 00
<i>Black Sheet Iron,</i>		
Per 100 lbs.		
8 to 16 gauge	2 45	0 00
18 to 20 do	2 40	0 00
22 to 24 do	2 45	0 00
26 do	2 50	0 00
28 do	2 55	0 00
<i>Wire:</i>		
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		
8 to 9	2 80	base.
<i>Rope.</i>		
Sisal, base	0 00	
“ 7-16 and up	0 12	
“ ¾ “	0 12	
“ 5-16 “	0 12	
“ ¾ “	0 12	
“ 3-16 “	0 13	
Manilla, 7-16 & lgr.	0 16	
“ ¾ “	0 16	
“ 5-16 “	0 17	
“ ¾ “	0 17	
“ 3-16 “	0 17	
Leth yarn	0 10	

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

Over....

70,000

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

Makers of all classes of
BOILERS,

Up to 300 lbs. pressure
per square inch.

Musgrave's Patent
SUPERHEATERS.

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, JUNE 5, 1902.

Name of Article.	Wholesale.	
	\$ c.	\$ c.
Wire Nails.		
Base Price carload	2 50	
Less than "	2 55	
2d extra	1 00	
2d f "	1 00	
3d "	0 65	
4d and 5d "	0 40	
6d and 7d "	0 30	
8d and 9d "	0 15	
10d and 12d "	0 10	
16d and 20d "	0 05	
30d to 60d "	Base	
Building Paper.		
Dry Sheeting (roll)	0 35	0 00
Tarred "	0 45	0 00
Hides and Tallow		
Montreal Green Hides		
No. 1	0 08	0 00
No. 2	0 07	0 00
No. 3	0 06	0 00
Tanners pay \$1 extra for sorted cured & inspect'd Sheepskins	0 00	0 00
Clips	0 00	0 00
Lambskins each	0 00	0 15
Calfskins, No. 1	0 00	0 10
No. 2	0 00	0 08
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 36
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 13	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
Russetts, light	0 35	0 40
" heavy	0 25	0 30
" No. 2	0 35	0 40
" Saddlers' doz.	7 80	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

district, is supplied by the Flix works, France (Marseilles), Belgium and the United Kingdom, but no reliable data respecting the consumption are obtainable. Another chemical used extensively in Spain—particularly in this consular district—the supply of which is purchased abroad, is ammonia alkali or ammonia ash. Of this trade, Belgium obtains the lion's share, although Germany is attempting to gain a footing. Ammonia alkali is used in the manufacture of glass, soda crystals, etc., and is in demand for other industrial purposes. The total imports are about 8,000 tons a year and the average value \$200,000 to \$250,000.

In the event of a poor olive oil crop, Spain has to turn to foreign countries for a supply of silicate of soda, which is utilized as a substitute for oil in the manufacture of soap. Until lately, this article was almost exclusively imported in the form of a solution, but a dissolving plant has been erected, and it is now imported in lump (or glass), either alkaline or neutral. The average imports of lump silicate soda are about 1,000 tons per annum, and the trade is limited to Great Britain, Germany and Belgium. The above are the principal rough chemicals imported into this country. As of lesser importance may be mentioned bicarbonate of soda, chlorate of soda and potash, acetic acid, muriates of ammonia and sulphate of copper. The last named is purchased abroad in steadily diminishing quantities since the Rio Tinto Company began its manufacture.

Of late years, Germany has made great progress in supplying the more elaborate chemicals; but in what are understood as industrial articles, the United Kingdom and Belgium show no signs of losing first place. In addition to the Flix chemical works, another establishment, situated at Badalona, the property of a wealthy firm in the

MONTREAL WHOLESALE PRICE CURRENT
THURSDAY, JUNE 5, 1902.

Name of Article.	Wholesale.	
	\$ c.	\$ c.
Oils		
Cod Oil	0 27	0 42
S. R. Pale Seal	0 50	0 52
Straw Seal	0 40	0 50
Cod Liver Oil, Nfld. Norw.	1 20	1 40
" Process	1 50	1 75
" Norwegian	0 09	0 10
Castor Oil	0 00	0 09
Castor Oil brls	0 75	0 85
Lard Oil, Extra	0 65	0 75
"	0 81	0 82
" boiled, nett	0 84	0 85
Olive, pure	1 05	1 15
Extra, qt., per case	0 00	3 70
Turpentine, nett	0 69	0 70
Petroleum:		
Benzine	0 20	0 30
Glass.		
United inches, 00 to 25	0 00	2 10
do 26 to 40	0 00	2 20
do 41 to 50	0 00	4 70
do 51 to 60	0 00	4 95
Paints, &c.		
Lead pure 50 to 100 lb. kgs.	0 00	5 87
do No. 1	0 00	5 50
do No. 2	0 00	5 12
do No. 3	0 06	4 75
do No. 4	0 00	4 62
White Lead dry	5 50	5 50
Red Lead	5 00	5 50
Venetian Red Eng'h	1 75	2 00
Yel. Ochre, French	1 50	3 25
Whiting, ordinary	0 45	0 50
do Gilders	0 60	0 70
do Paris, do	0 85	1 00
English Cement, cask	2 15	2 25
Belgian do	1 65	1 90
German do	2 25	2 45
American do	2 00	2 40
Fire Bricks per 1000	16 00	23 00
Fire Clay	1 50	1 75
Rosin	2 75	5 50
Glue:		
Domestic Broken Sheet	0 13	0 15
French Casks	0 11	0 13
do brls	0 00	0 14
American White, brls	0 16	0 20
Cooopers' Glue	0 29	0 26
Brunswick Green	0 04	0 10
French Imperial Green	0 12	0 16
No. 1 Furnit's Varn'n, pr. gl.	0 65	0 70
a do do	0 75	1 00
Brown Japan	0 60	0 75
Black Japan	0 50	0 75
Orange Shellac, No. 1	2 00	2 25
do do Pure	2 25	2 75
White do	2 75	3 00
Putty Bulk 100 lb. brl	0 00	2 00
Parisgreen in drum 1 lb pk.	0 18	0 19
Kalsomine, 5 lb pkgs.	0 00	0 03
Wool.		
Canadian Washed	0 12	0 13
North West	0 13	0 15
Unwashed	0 08	0 00
B. A. Scoured	0 34	0 35
Natal	0 16	0 17
Cape, greasy	0 16	0 17
Australian greasy	0 16	0 20



John Mackintosh, Ltd.,

"THE
TOFFEE
MILLS."

HALIFAX, ENGLAND.

Mackintosh's Extra TOFFEE Cream

HAS THE LARGES SALE
IN THE WORLD.

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

JOHN MACKINTOSH, LTD.,

"The
Toffee
Mills."

HALIFAX,
ENGLAND

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

city, is worthy of mention. The works in question cover an area of 70,000 square yards and are fitted with the most modern appliances for manufacturing sulphuric, acetic, and methyletic acid, pyrolignite, sulphates of iron, superphosphates, and other products. The output, however, falls far short of meeting the requirements of the country.

With ample raw materials and sufficient water power (in the absence of coal), for motive power, there is little doubt that fresh enterprise in this direction would prove remunerative, and numerous inquiries from other countries show the interest taken in developing this branch of trade.

GINGER AND ITS CULTIVATION.

Ginger is the root of a reed-like plant, Zinziber Officinale, a native of Asia, but now also cultivated in Africa, Australia, Japan and the West Indies. The ginger plant is somewhat similar in appearance to our iris or flag; the flowers and leaves are borne on separate stems, those of the former averaging from 6 to 12 inches while the latter reach the height of 3 to 4 feet, writes George H. Carter, in the Grocers' Magazine. The plant dies down every year, but the root is biennial and is dug up when about a year old, washed, and then dried to prepare it for the market. Jamaica ginger is generally scraped so as to remove the

STOCKS AND BONDS—INSURANCE COMPANIES—CANADIAN.—Montreal Quotations June 3, 1902.

NAME OF COMPANY.	No. Shares.	Last Dividend per year.	Share par value.	Amount paid per Share.	Canada quotations per ct.
British American Fire and Marine.....	15,000	3½-6mos.	350	\$50	101
Canada Life.....	2,500	4-6mos.	400	400	160
Confederation Life.....	10,000	7½-6mos.	100	10	....
Western Assurance.....	25,000	5-6mos.	40	20	101
Guarante Co. of North America.....	13,372	6	50	50	....

BRITISH AND FOREIGN.—Quotations on the London Market May 24, 1902. Market value p. p'd up sh

Company Name	Value	Dividend	Share	Rate	Rate	Rate
Alliance Assur.....	250,000	8s. p.s.	20	2 1-5	9½	10
Atlas.....	24,000	24 p.s.	50	6	26½	28½
British and Foreign Marine.....	67,000	25	20	4	18½	19½
Caledonian.....	21,500	12s. p.s.	25	5	28½	28½
Commercial U. Fire, Life and Marine.....	50,000	27½	50	5	44½	46½
Guardian Fire and Life.....	200,000	9	10	5	9½	10
Imperial Fire.....	60,000	25	20	5	30	31
Lancashire Fire.....	136,493	5	20	2		
Lion Fire.....	160,000	3	20	1½		
London and Lancashire Fire.....	85,100	22	25	2½	18	19
London Assurance Corporation.....	35,862	20	25	12½	51	53
London & Lancashire Life.....	10,000	10	10	2	8	8½
Liv. & Lon. & Globe Fire and Life.....	391,752	20	25	2	28½	29½
Northern Fire and Life.....	30,000	*22½	100	10	72	77
North Brit. & Merc. Fire and Life.....	110,000	30s. p.s.	25	6½	35	36
Norwich Union Fire.....	11,000	*33½	100	12	104	107
Phoenix Fire.....	58,776	35	50	5	31½	33½
Royal Insurance Fire and Life.....	125,234	58½	20		49½	50½
Sun Fire.....	240,000	8s 6d p.s.	10	10	10	10½
Union.....	45,000	18 p.s.	10	4	13	14

*Excluding periodical cash bonus.

rough outer covering. This process greatly improves its appearance and value.

It is sometimes bleached by the use of lemon or lime juice. Most of the bleached ginger on the market is made to appear white by coating it with lime and while to the eye it may look more attractive, this whitewashing process frequently conceals defective quality and is an injury to the flavor and strength of the root. Bleaching

is always an injury whether the above process is used for the less common one of bleaching with sulphur fumes. The best ginger grown is the Jamaica; it is of superior strength, fine flavor and a light, handsome color. The next best quality is Borneo or Cochin ginger which closely resembles in appearance the Jamaica. It is not, however, so carefully cleaned and generally comes to this country rough washed instead of being scraped.

Eclectic Steel Co., Limited,

Princess Street Works,
SHEFFIELD, Eng.

MANUFACTURERS OF

CRUCIBLE CAST STEEL

FOR ALL PURPOSES.

Special Miners Drill Steel
Ground and Polished Steel for Shafting.

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

ESTD 1865

TELEPHONE 999

Chambers Bros

EFFINGHAM MILLS, SHEFFIELD, ENG.

STEEL MOULDERS' COMPOSITION

SPECIAL PAINT FOR THE SURFACE OF MOULDS.

GROUND GANISTER

PATENT NON-CONDUCTING CEMENT FOR STEAM PIPES & BOILERS.

GROUND MORTAR &c.

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

Telegraphic Address: "SPIRITS, DUNDEE."

The Highest Point of Perfection

GEORGE MORTON LTD DUNDEE SCOTLAND

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

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

ARTHUR GAGNON
 Manager Estate
 Hon. Jean L. Beaudry

L. A. CARON
 Auditor Town of Maisonneuve and of la Chambre de Commerce du District de Montreal.

GAGNON & CARON,

Rooms 41 & 42 Montreal St. Ry. Bldg., Montreal.

Accountants, Curators, Liquidators and Commissioners, S. C. Bell Tel. Main 515.

African ginger is darker in color than either of the above, but is much stronger, than the East India ginger, which in general characteristics it somewhat resembles. The latter ginger is also termed Bombay or Calcutta from the ports of shipment. The term "race" as applied to ginger relates to the handlike shape of some of the larger roots. At present, the differences in price between the several kinds of ginger are not as great as formerly, and the grocers can, therefore, afford to sell higher grades than ever before.

Preserved ginger is made from the young and tender roots prepared in sugar. The history of ginger is interesting. In India it has been known from a remote period. The Greeks and Romans received it by way of the Red Sea and supposed it came from Arabia; the Greek and Latin names being derived from the Sanscrit. It is men-

tioned in a Roman list of dutiable articles in the second century. In the thirteenth and fourteenth centuries it ranked next to pepper, which was the most common spice, and cost about 1s 7d per pound.

Ginger is said to have been introduced into America by Francisco de Mendoca, who took it from the East Indies to New Spain. It seems to have been shipped in considerable quantities from the West Indies to Spain as early as 1547. Looking back into English cook books of ancient date, we find that ginger was formerly used as a spice condiment on occasions that cooks would never dream of now. In the time of the Plantagenets and Tudors, ginger was made to impart its pungency to joints, poultry and entrees.

Ginger is frequently adulterated with corn meal, peanut shells and various other cheap substances, and much of the nominally pure is of inferior quality or is adulterated with ginger from which the strength has been exhausted in the making of extract of ginger. The reports of food analysts have many times called attention to the great danger of getting adulterated ginger and other spices when buying in bulk and state that, as a rule, spices sold in packages bearing the name of the manufacturer, are more likely to be pure than those sold in bulk.

A Connecticut report states that of 547 samples tested, 41½ per cent. of the bulk were adulterated, while only 21½ per cent. of those sold in labelled packages were adulterated. One safe rule is to insist upon having spices bearing the name of some reliable manufacturer; in this way you can protect yourself against fraud. Medicinally ginger is a grateful stimulant and carminative and is much used for dyspepsia, colic, gout, etc. It is an excellent addition to bitter infusions and is much used to disguise the taste of nauseous medicines. Ginger tea is one of the old fashioned remedies for colds and in haying fields, as a summer drink, there was nothing more popular than "switchel" made from ginger, molasses and water with a little vinegar added to give it acidity.

"PIONEER" GOLDEN FLAKE CAVENDISH TOBACCO.

MADE IN LIVERPOOL, ENGLAND.

TRADE PRICE:

½ lb. tins.....	\$1.20
¼ lb. tins.....	\$1.25
⅛ lb. package.....	\$1.80
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.

AGENCY WANTED.

To Pork Packers & Lard Refiners.

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

LEE & NIGHTINGALE,
 LIVERPOOL, Eng.

MANTELS,
 TILES,
 MOSAICS,

TRANSOM
 and PAVEMENT
 PRISMS.

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

ESTABLISHED 1851.

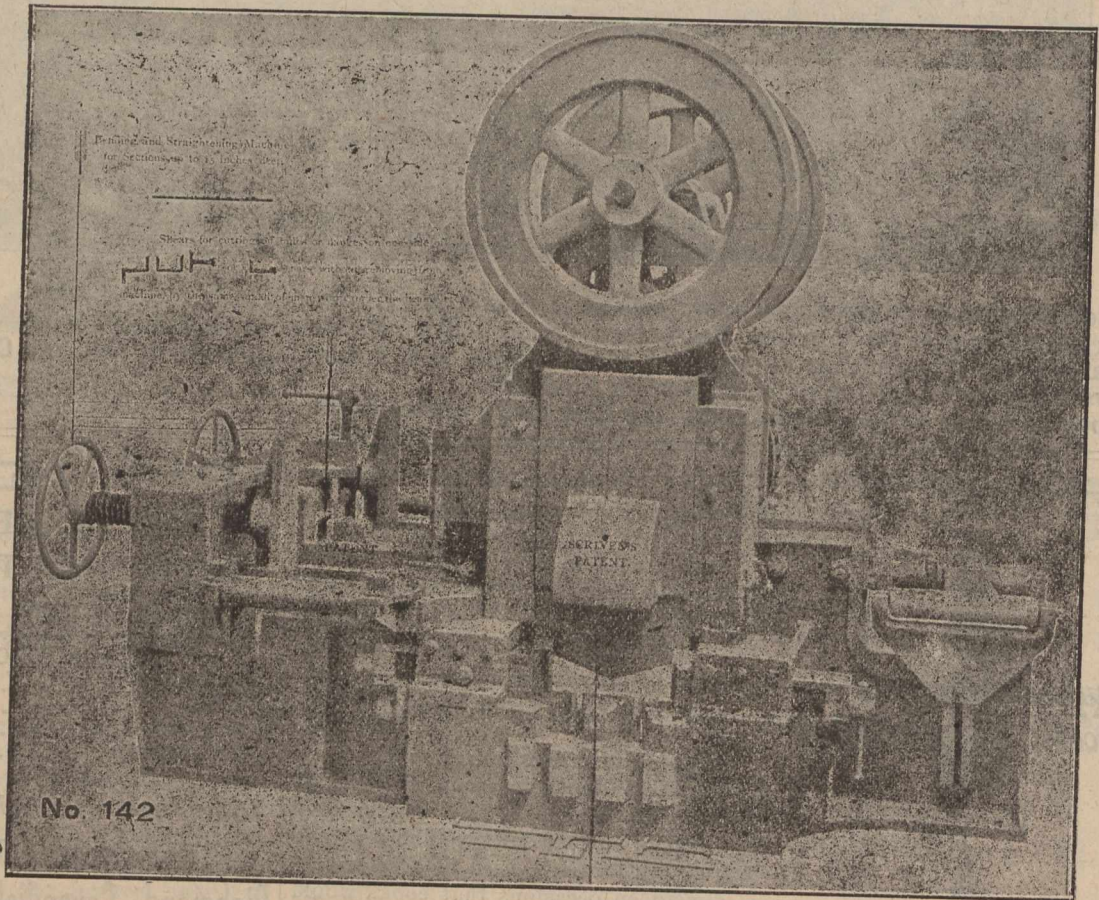
Tel. Address: "SCRIVEN, LEEDS."

SCRIVEN & Co.,

LEEDS.
ENG.

Machine Tools and Hydraulic Machinery,

For ENGINEERS, SHIPBUILDERS, BOILER MAKERS and BRIDGE BUILDERS



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

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

GOVERNMENT CONTRACTORS.

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

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

FRANCIS MORTON & CO. LTD

HAMILTON IRON WORKS
CARSTON NEAR LIVERPOOL.

AREA 10 1/2 ACRES.

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

PETROLEUM
TANK.

C.I. GATE POSTS
C.I. COLUMN

LONDON OFFICE
12, VICTORIA STREET
WESTMINSTER S.W.

CAPACITY OF OUTPUT
30,000 TONS ANNUALLY.

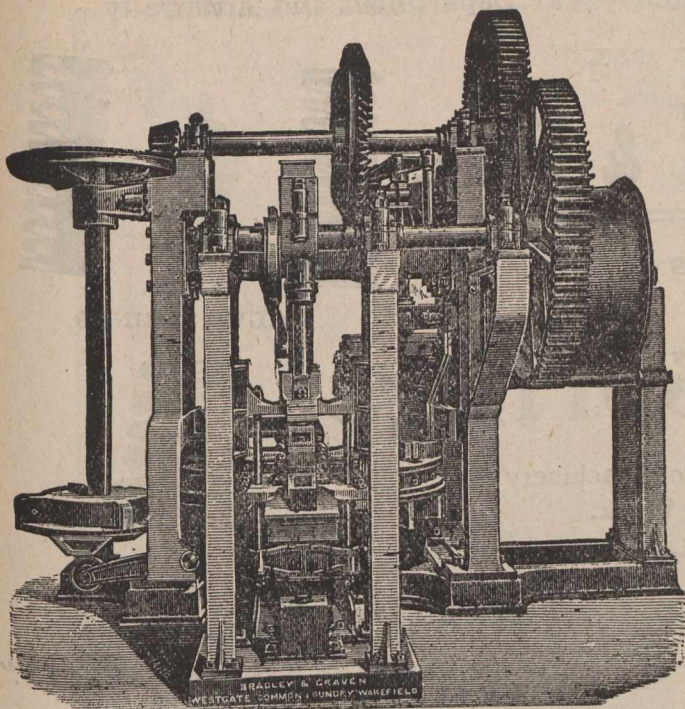
GI. TANK.

LIGHT
& HEAVY
CASTINGS
BLAST
FURNACE CASINGS,
HOT BLAST STOVES,
VALVES & RADIAL DRILLS.

COTTONSEED MILLS BURN FUEL OIL.

The cottonseed oil mills of the South are adopting fuel oil in place of coal at a saving of cost of fuel of from 15 to 25 cents per ton of seed worked. F. H. Bailey read an interesting paper on this subject before the recent Cottonseed Crushers' Convention at Dallas, Texas, in which he described the equipment required for oil burning as follows:

A first-class installation for the handling, controlling and burning of fuel oil, consists of an oil storage tank properly equipped with screw top vapor proof manhole and cover, all the necessary flanges, both single and double socketed for pipe connection, float and indicator for the determination of the amount of oil in storage at any time, coils for heating the oil, a tank car coupling with hose and attachment for unloading car into storage tank; fuel oil burners or atomizers for vaporizing the oil, tuyeres for the admission of free air to assist in the combustion, suitable fire brick blocks, and a medium for conducting the oil from the storage tank to the burners. This medium consists of two systems, one



Craven's Patent Brick Moulding and Dressing Machines.

BRICK MACHINERY

For Working all kinds of Clay.

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

Double the Strength of any other Machines in the Market.

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

Bradley & Craven,
LIMITED

Westgate Common Foundry, WAKEFIELD, Eng.

Manufactured for the Canadian Market, under the new Preferential Tariff, 33 1/4 per cent. in favor of English Goods.

being the direct pressure system and the other the stand-pipe system.

The direct pressure system consists of duplex pumps of suitable size and design to easily handle the oil, means of freeing the oil from all mechanical impurities, heating it to a desired temperature and delivering under what is claimed as a constant pressure and uniform flow, together with the necessary pipe, valves and fittings for connecting the various appliances referred to. The stand-pipe system does not have any automatic appliances, the oil pressure at the burners being regulated by the height of the stand-pipe, which is usually about 25 feet, giving a pressure at the burners of about 10 pounds. The advantage claimed for this system is that the oil pressure never varies, as any oil handled by the pump is permitted to escape at the overflow pipe, placed about 2 feet from the top of the stand-pipe, back to the storage tank. The advantage following this regular and steady pressure

at the burners applies to the economy in the use of oil, the same as an even steam pressure is essential to the best results in a steam engine.

Both the direct pressure and stand-pipe systems are in use in Texas, and both give satisfactory results. The question of burners is a perplexing one at this time, as there are nearly as many different kinds now on the market as there were engineers in Texas one year ago. But from my knowledge of handling oil, I do not think all depends on the burner. It is best, however, to keep the following in mind when selecting equipment: 1. Select a burner that will not carbonize while in use. 2. Select a burner that is simple in construction, this being all that is required, anything else being superfluous. 3. Place the furnace in shape to properly distribute the hot gases of combustion, thus securing best results. This is the important part of the equipment, and if oil is to be used successfully, the furnace

must be properly arranged. While it is true that oil may be used and found to show a saving over other fuels, when purchased at the wells for 8c or 10c per barrel, even though it takes five or six barrels to do the work of a ton of coal, the saving would be materially increased if the oil were properly used.

SHIPBUILDING IN THE U. S.

A Census Bulletin, with introductory and historical sketch by A. R. Smith, of New York, shows the progress which the United States have made, in iron and steel shipbuilding, and the preparations made for still greater progress. The New York Journal of Commerce presents a summary of interesting facts from this Bulletin, as follows:

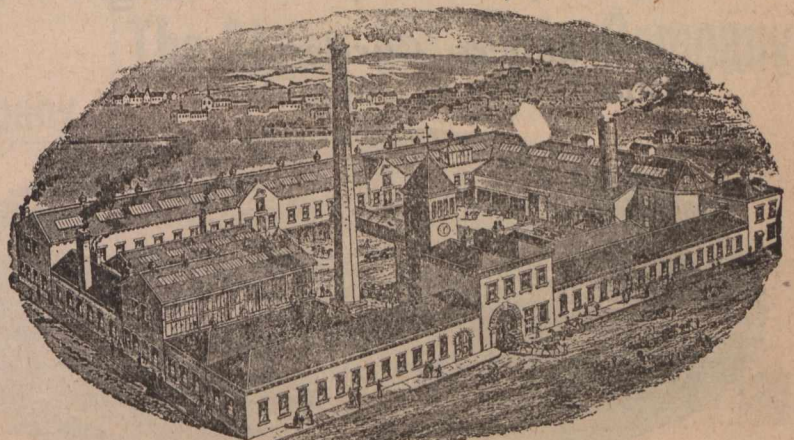
Nine navy yards are computed to have a capital of \$54,291,011. In 1860,

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.

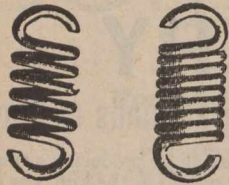


Crown Works.

HALIFAX, ENG.

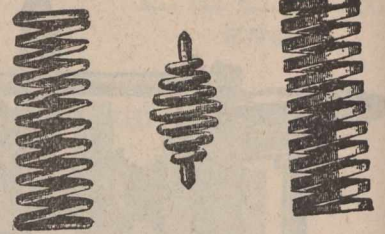
Contractors to His Majesty's Government—War Department and Admiralty.

ESTABLISHED 1856.



VALVE SPRINGS.

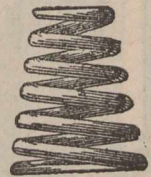
Joseph Steel & Sons,

MAKERS
OF

VALVE SPRINGS.



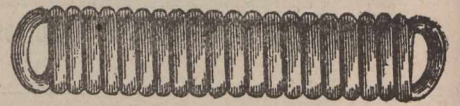
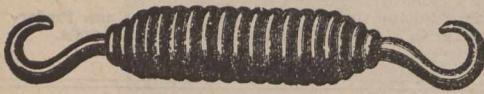
Spiral Springs,

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."



75 private shipbuilding yards had an aggregate capital of under \$6,000,000. This contrast shows how expensive a plant is required for building large steel ships. This is also strikingly shown by the fact that the value of the product of all yards in 1900 did not quite equal the capital, while in 1860 it was more than double the capital. Omitting the Government establishments, the capital invested in shipbuilding in 1900 was \$77,362,701, an increase in round numbers of about fifty millions in ten years; the capital in this business in 1900 was nearly three times as great as in 1890.

But the building of wooden vessels has been nearly stationary. The whole increase of capital has been just over fifty millions, while the increase of

capital in iron and shipbuilding, the establishments for which have increased in number from 18 to 44, was but little under fifty million dollars. This capital in 1890 was \$10,712,023, and in 1900 \$59,839,555, the amount of wages increased fourfold, and the value of the product, including repairs, increased from \$13,012,266 to \$50,367,739. The value of construction alone was nearly equal to the value of products in 1890; in 1900 it was about one-half.

Not only has the recent growth of the business been very great, but Mr. Smith says "the tonnage constructed during the census year, May 31, 1900, was greater than during any preceding year in the history of the United States, with the possible exceptions of 1854 and 1855." In those years we

were outstripping Great Britain, but when our power upon the sea reached its maximum point iron and steam began to displace wood and canvas, and the extension of the United States to the Pacific Coast and the demonstrated success of railroads diverted American enterprise from the sea to the land. With the "winning of the West," in the happy phrase of President Roosevelt, practically completed, American capital has been displacing foreign capital at home and has even extended to the sea, and to foreign countries.

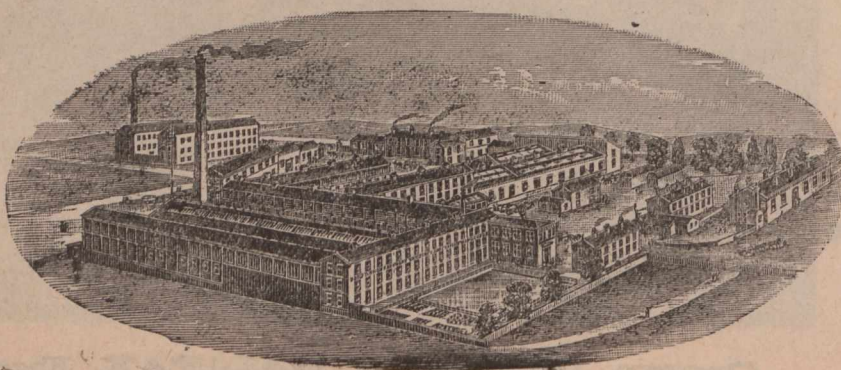
The amount of American shipping engaged in foreign trade is small and declined in the last decade. American enterprise in shipping has naturally developed first the field where no for-

Telegraphic Address:
"HASTE, BRAMLEY, LEEDS."

Haste & Brown,

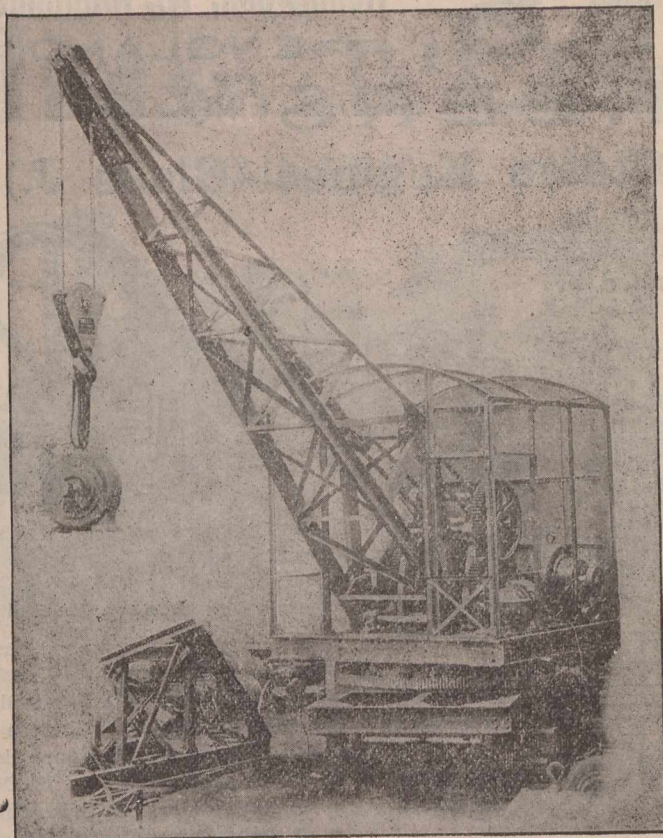
Hough End Tannery,

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

Telegrams :— "CLUNCH, LONDON."



THE
International Electrical
Engineering Company,

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

MANUFACTURERS OF

Electric Lighting Traction and
Power Transmission Plant.

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

Special prices to Canadians under the New Tariff.

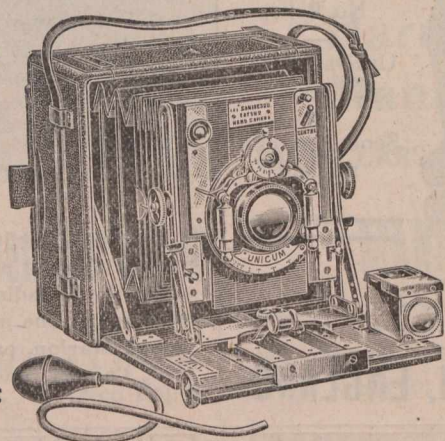
Works : TOOTING.

Cable Address : "BROMIDE, London."

Photographic Apparatus & Materials

WHOLESALE AND EXPORT.

Complete
Price
List,
800
Pages,
Post
Free.



Plates
Papers
Chemicals
Cameras
Mounts
Albums
and all
Sundries.

GEORGE HOUGHTON & SON,

Manufacturers and Dealers,

88 & 89 High Holborn, London, W.C., England.

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

eign competition is encountered. But our place in the carrying trade is not measured by the statistics of American construction. In his last annual report the Commissioner of Navigation showed that American capital owned 672,455 tons of steam vessels, and the construction of steel steam vessels in American yards on the seaboard, though mostly for the coastwise trade, was about 40,000 tons, or more than 50 per cent. greater in the fiscal year of 1901 than in the year 1900. The coast wise trade can hardly continue indefinitely calling for such a rate of new construction; the yards, some of which represent an investment of five or ten millions each, are looking forward to constant employment. Much of this must be found in the foreign trade.

PATENT REPORT.

The following complete weekly list of patents granted to Canadians is

Telegraphic Address :—"MESH," Manchester.

The Yorkshire Wire Cloth Company,

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

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

F.O.B. MANCHESTER.

The Sizing Materials Company

Manufacturers of
all kinds of:

Chemicals and Materials used
by Warp Sizers and Finishers.

10 Marsden St., - MANCHESTER, Eng.

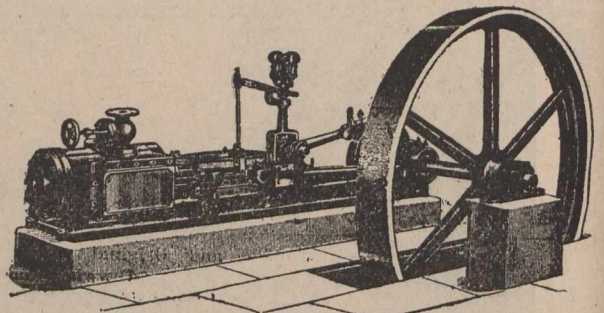
T. & R. LEES, Hollinwood, Nr. Manchester, ENGLAND.

ENGINEERS

Improved Horizontal Steam Engines (Class J.)

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

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

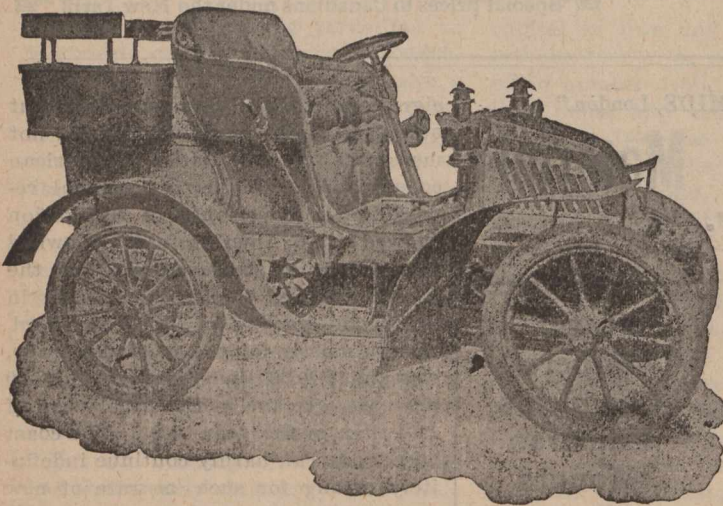


PLEASE INDENT THROUGH MERCHANTS.

Telegrams: "LEES, HOLLINWOOD."

Special estimates to Canadians under the new Preferential Tariff

Marshall's 'Belsize' Car



Two Cylinders.
12 h.p.
14½ cwt.

No Chains.
No Belts.

Unrivalled Hill
Climber.

Send for particulars.

furnished by Messrs. Fetherstonhaugh & Co., patent solicitors, Canada Life Building: Canadian: J. Knope, knock-down book shelves; J. K. H. McCollum, turbine engines; A. Broodsky, process of indurating plaster of paris; C. F. Ross and J. Bigney, nut locks; J. Innes, methods of marbling the edges of books; J. Oldham, opening and closing devices for gates; F. A. McRae and C. E. Robertson, air compressors. American: R. J. Copeland, cabinet desk; D. J. Matheson, door-securer; T. O'Brien, charcoal-heater; J. A. Tancock and T. C. Cochrill, automatic switch; Walter Thompson, solderless side seams for tin cans; Walter Thompson, solderless end seams for tin cans.

NEW INVENTIONS.

For the benefit of our readers, we publish a list of patents recently granted by the Canadian Government, secured through the agency of Messrs. Marion & Marion, patent attorneys, Montreal, Canada, and Washington, D. C.

Marshall & Co.
Belsize Works. CLAYTON, MANCHESTER, ENGLAND.

Established 1868.

Telegraphic Address: "Brick, Leeds."

Brick-making & Grinding Machinery

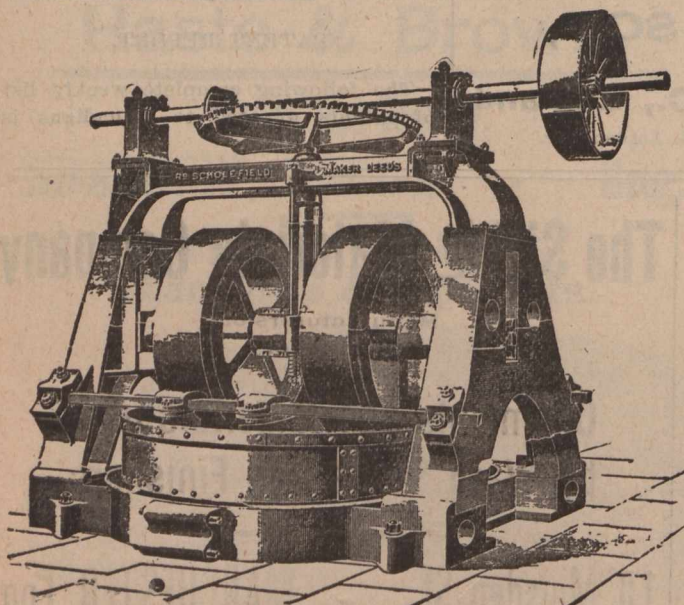
Manufactured
by

Richard Scholefield,

. . ENGINEER . .

Burley Vale Mills

Kirkstall Road, LEEDS, Eng.



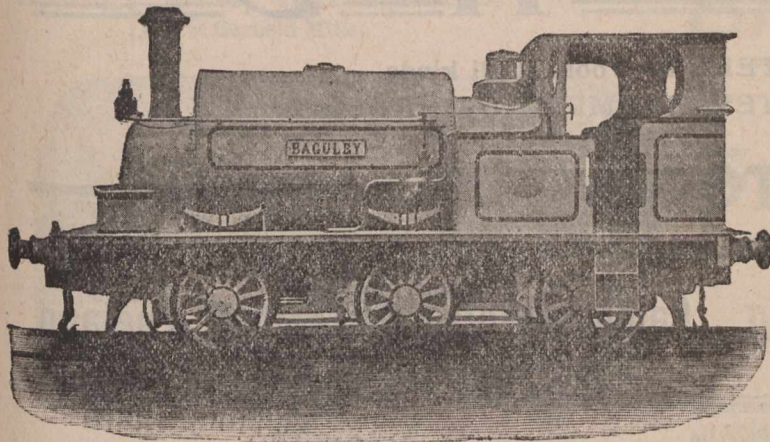
8-ft. and 9-ft. Perforated Grinding Pans, (No. 46.)

ESTABLISHED 1860.

Telegraphic Address: "LOCO, LEEDS."

Hudswell, Clarke & Co., Ltd.

RAILWAY FOUNDRY, LEEDS, ENG.



LOCOMOTIVE TANK ENGINES,

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

Plans, Photographs and Full Specifications on application.

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

Established 1779.

Telegraphic Address: "ANNE COWBURN."

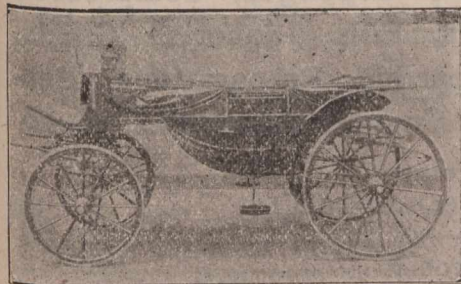
ANNE COWBURN,

Carriage Builder

AND

Harness
Manufacturer.

MOTOR CARS A SPECIALITY.



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

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

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

Canadians can buy these carriages, under the New Tariff, 33 1/2 p.c., in their favour by purchasing in Manchester, from this firm.

Information regarding any of these patents will be supplied free of charge by applying to the firm above mentioned. Joseph Chabot, St. Hyacinthe, Q., non-refillable bottle; Napoleon Joseph Millette, Farnham, Que., washing machine; Jos. Tremblay, Ste. Cunegonde, Que., valve; Joseph Moreau, St. Germain de Grantham, Que., Rossing machine; Louis H. Hebert, Chambly Basin, Que., fire escape.

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: Diving vessel, Thomas H. Hazard; heater, Clarence C. Longard; variable-speed governor, William J. Hill; apparatus for handling grain, Arthur Atkinson; automatic feed for straw-burning furnaces, John A. Cowan; marine engine governor, John Lovey and T. Sadler; nail-making machine, Napoleon Dus-sault; broom, Frederick J. Ellis et al; horn-rotating mechanism, Isaie Frechette. Canada: Fish cleaning machine, Jno. Kellington; live stock mang-ers, Jno. Y. Nelson; attachments for mowers, Alex. Templeton; non-refill-

Established 1838.

Telegraphic Address,

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

Abel Lees & Sons,

**ROLLER AND
SHAFTING MAKERS.**

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

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

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

AUSTIN & DODSON LIMITED,

MANUFACTURERS OF

Special Tool Steel for High Speeds,

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

MINING TOOL STEEL.

Best CRUCIBLE Cast Steel FILES.

Cambria Works, SHEFFIELD, England.

able bottle, Jos. Chabot; fountain brush, Geo. D. Mernery; rod swabs, Jos. O. Dauphin; washing machine, Nap. J. Millette; portable hay weighing scales; air cooling and purifying apparatus, Varl W. Vollmann; process of separating mica, Wm. C. Kent; stringed keyed instruments, R. J. Clark and M. E. Leprohon; F. C. Crean, process of manufacturing iron and iron alloys; valves, Jos. Trembly; device for breaking anchor ice, D. Simard; spraying tubes, J. S. Proctor; thimbles for ropes, M. Houlihan; gas apparatus, F. Paul, Jr., and A. F. Gundlack; rock drill stuffing boxes, Hy. S. Burrell; rail joints, Jno. Riley; cannery cookers, E. C. Kidder; stay braces for threshing machines, Robt. Christie.

PUBLIC BENEFIT FROM MODERN FIRE INSURANCE

Modern fire insurance has developed to a wonderful extent. Few people

T. Kerfoot & Co.

MANUFACTURING PHARMACEUTICAL CHEMISTS

Makers of all kinds of



Medicated Lozenges and Jujubes, Bouquet Lozenges, Compressed Tablets, Pills, Liquorice Goods, Effervescible Preparations, Perfumes, Counter Adjuncts.

ENQUIRIES SOLICITED.

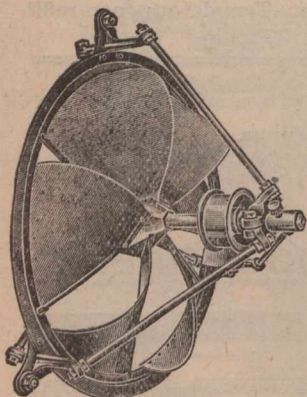
LABORATORIES:

BARDSLEY VALE, nr. Ashton-under-Lyne, - ENGLAND.

And BARDSLEY HOUSE, 189-Holloway Rd., LONDON, N. Eng.

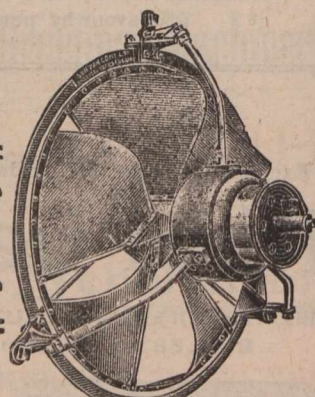
"Sun" Ventilating Fans

Highest Efficiency, Strength and Lightness



Belt Driven.

MADE ENTIRELY OF WROUGHT OR MALLEABLE IRON.



Electrically Driven.

For Ventilating, Drying and All Cooling Purposes . . .

"Sun" Fan Co., Ltd.,

GENERAL BUYING AGENTS WANTED.

Special prices to Canadians under the New Tariff.

40a Thornton Road, BRADFORD, ENG.

Telegraphic Address: "PURIFIER, BATLEY."

ESTABLISHED 1865

JOHN ILLINGWORTH & SONS,

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

BATLEY, ENGLAND.

Patentees and Sole Makers of the
CELEBRATED PURIFIED

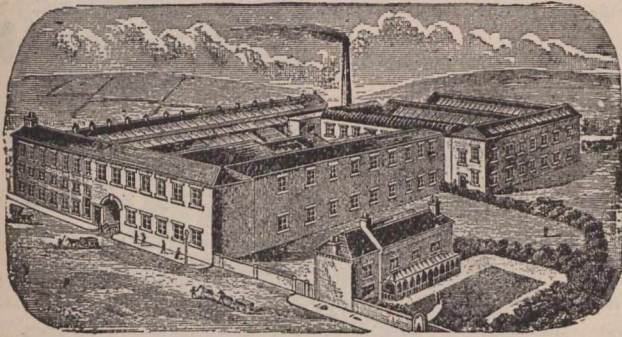
Flocks and Wools,

Large Stocks of all Descriptions of

Drummed Wools & Ruggings

Manufacturers of
all kinds of . . .

FOR COLLAR MAKERS
AND BROWN SADDLERS.



RIDINGS MILLS.

HORSE CLOTHING FOR HOME AND EXPORT

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

BEST MAKE. SUPERIOR CUT. LOWEST PRICES.

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

NONE BUT THE TRADE SUPPLIED. PRICES ON APPLICATION.

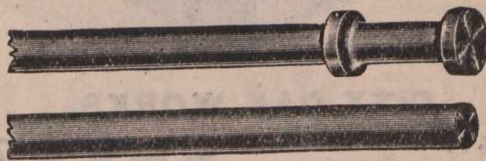
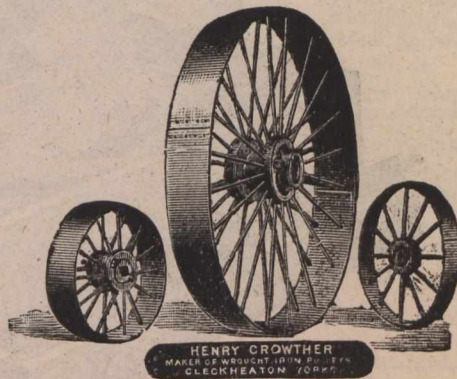
Wrot.-Iron Pulleys.

Bright Steel Shafting.

Lists sent Post Free
on Application.

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

Telephone
43.



HENRY CROWTHER, Rolling Mills,

Cleckheaton,
YORKS, ENGLAND.

Special Terms to Canadians under the New Tariff.

who are not in the business realize its magnitude and the number of things brought within its scope. The insurance man has very much more to do besides pocketing the premium and taking his chances on a fire loss. Besides the wonderfully exact scientific calculations of the insurance tables and statistics by which he is guided in underwriting, to which every insurance man contributes and the study of which is as different as a branch of medicine or a department of law, the infinite care that the insurance man expends in the various means of fire prevention must be taken into consideration.

It is a mistake, says a Houston, Tex., paper, to believe that the only return the premium payer gets is when he collects his insurance money after a loss; that it is necessary to burn out to win in fire insurance. An honest insurer, if burned out, always loses in inconvenience, anticipated profits and disruption of business. The insurance policy only protects him from financial loss to the extent of the property actually burned or damaged. Where the insurer profits by fire insurance

JOHN STONES,

Shiffnall Mill,

BOLTON, Eng.

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

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

BROWETT LINDLEY & CO. LTD.

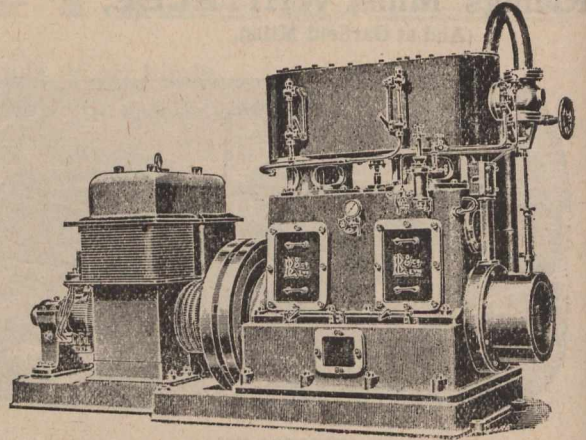
Patricroft, Manchester England.

Manufacturers of High-Speed,
Enclosed Type,

STEAM ENGINES.

For Driving Dynamos Direct.

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



SOUND & RELIABLE BRITISH MANUFACTURE.

is in the fire prevention work of the insurance companies. The whole community also profits by this and is the debtor of the insurance companies and the insurers who pay the premiums and make such work possible.

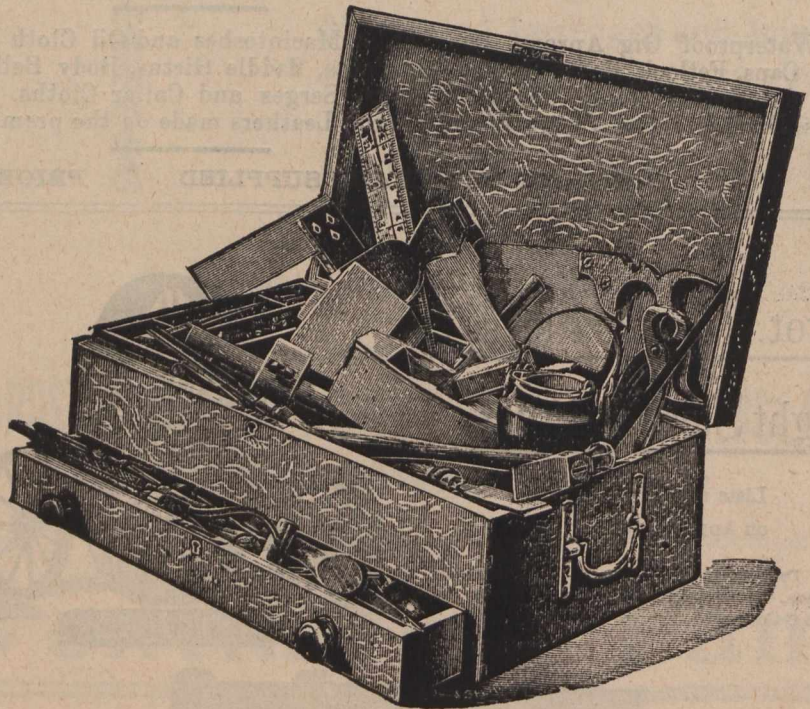
When the inspections, patrols, the war against "fire traps" and dangerous oil and electrical installations, the laboratories maintained for the testing of explosive oils and chemicals, the determination of the safety of lighting and heating devices, the sprinkler systems, the automatic alarms and the countless other expenses involved in the immense yet inadequate system of fire prevention are taken into consideration, it is seen that the insurance man has his work cut out for him and has to figure closely to come out on the right side of the ledger.

There is no doubt that all policyholders, and, indeed, all property owners, would be benefited if the companies were able to extend the system of fire prevention and spend more money upon it in addition to the vast amount that is yearly spent in this way.

There is no doubt that fire insurance and other kinds of insurance as well is a business requiring such special training and multifarious knowledge as to liken it to a profession. Only men with the requisite capital and exceptional ability can successfully engage in it. As we have shown, it benefits the whole community in a way that is not often thought of.

James Needham

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



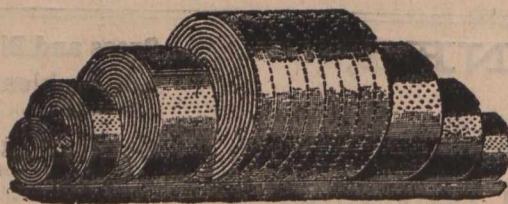
CITY OAK WORKS,
BROWN ST.
And SHOREHAM ST.,
SHEFFIELD,
ENGLAND.

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

Trams—"Fletcher & Shaw, Sowerby Bridge.

Manufacturers of every
description of

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



Telephone No.—0680, Halifax.

Cotton, Hair
and Link Belting, &c

Special prices to Canadians under the
new Canadian Tariff.

RITCHIE LETHAM, Ltd.,

SOLE WEAVERS OF THE

“Union” Hair Belting

... AND THE ...

“HERCULES” Solid Woven COTTON BELTING.



Telegraphic Address: “LETHAM, OLDHAM.”
Telephone, No. 102.

“COTOS” is an Improved Tubular Banding made from perfect Super Egyptian Yarn. The Warp used in the manufacture of this Belting is guaranteed to be made from the BEST quality of the yarn known as Camel Hair Yarn. Special lines in “Self-Lubricative” STEAM ENGINE AND PUMP PACKINGS. Samples and prices free on application.

Address: Waterloo Mills, Oldham, England.

Special Prices to Canadians under the New Tariff.

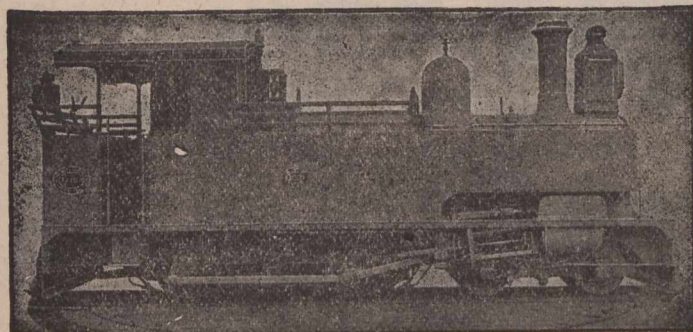
THE

Telegrams: “ENGINE, LEEDS.

Hunslet Engine Company, LEEDS, Eng.

CARNEGIE COMPANY BUILDING ITS OWN FURNACES.

Contrary to their usual policy, says a recent Pittsburg report, the officials of the Carnegie Steel Company have decided to do the work themselves on the two big blast furnaces which that concern is building at Bessemer. There are two reasons for this, one being that engineers and construction concerns are so busy that they could not do the work in the time required, and the other is that the Carnegie Steel Company, having such a variety of products, will be able to furnish nearly all the material that will go into these furnaces, and in that way, by working with their own engineers and contractors, will be able to put up these huge furnaces in about half of the time that outsiders would take. The cost of these two furnaces is to be paid out of the \$50,000,000 recently secured by the United States Steel Corporation in



Locomotive Tank Engines

of all descriptions and any size, for

Ironworks, Collieries, Contractors, Docks, Manufactories, Branch Railways, &c., &c.

Specially designed for any circumstances, or to suit any Gauge of Railway.

Arrangements Made for Hire.

On Purchasing Lease or otherwise.

Special prices to Canadians under the New Canadian Tariff.

Tel. Address, “Abbey,” Accrington.

Established over 50 years.

James Walmsley & Sons,

Accrington, Eng.

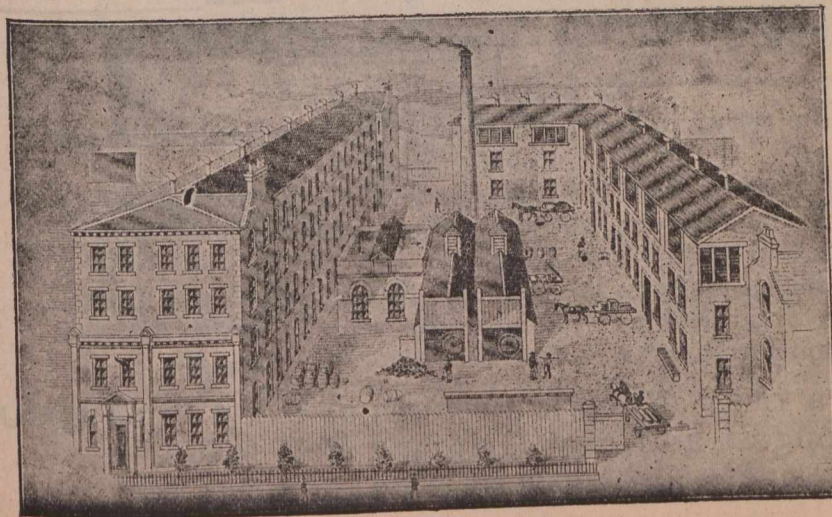
Leather Curriers,
Strapping Manufacturers
and Mill Furnishers.

SPECIALITIES:

SINGLE & DOUBLE BELTING

Any Width or Strength, made on our own Improved Principle, whereby Stretching is almost impossible.

Roller Skins, Picking Bands, Green and Oak Tanned; Leather Pickers, Laces, Buffalo Skips, Buffalo Pickers and all other kinds of Leather Goods used in the Spinning and Manufacturing of Cotton, Woollen, Silk or Jute.



GOLD MEDAL LYONS EXHIBITION, 1872. SILVER MEDAL BARCELONA EXHIBITION, 1888.
TWO GOLD MEDALS TORONTO EXHIBITION, 1896. GOLD MEDAL PARIS EXHIBITION, 1900.

The Lancashire Felt Co., Ltd.,

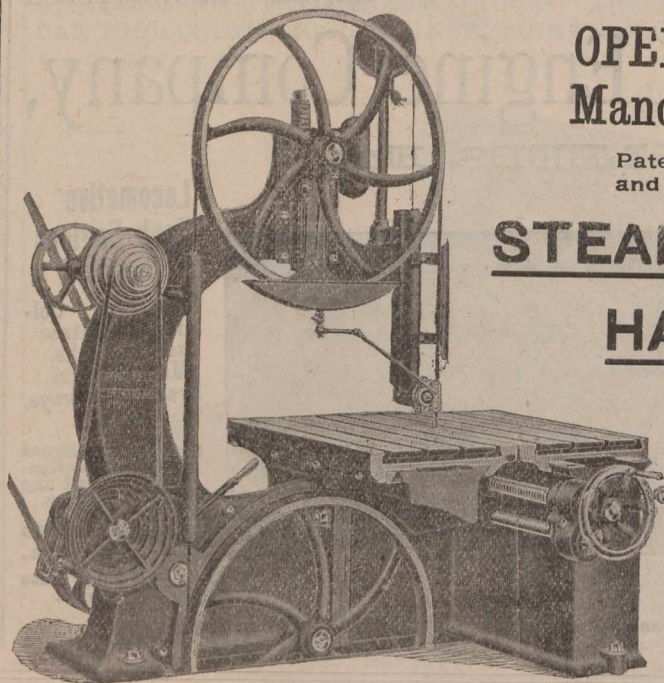
DENTON, near MANCHESTER, ENG.

Manufacturers of **WOOL AND FUR BODIES.**

Suitable for Ladies', Men's and Boys' Hats. Also Raw Materials supplied to Manufacturers of same under the New Canadian Preferential Tariff.

exchanging \$200,000,000 of the preferred stock into \$250,000,000 5 per cent. bonds. The building of these two furnaces is the first active work that has been started in the new furnaces and the mills that are to be built by the United States Steel Corporation, and the reason is that the Steel Trust is so badly in need of pig iron for their different plants that it was decided to go ahead at once with these furnaces in order to have them ready just as soon as possible. The two stacks will be each 100 feet high, and will be the biggest blast furnaces ever built in this country. They will each make about 600 tons of iron per day, all of which will be used in the Carnegie works. It is not likely that either of these furnaces will be ready to make iron before the middle of next year. The matter of making some material changes at the steel works of the Edgar Thomson plant is now being considered by the United States Steel Corporation officials. A new department for the manufacture of steel billets is being considered. At present there are two rail finishing departments, the largest being so arranged that the making of rails can be stopped and billets made instead, but the two products cannot be turned out at the same time. It is desired now to erect a steel billet mill, which, in addition to the rail departments, will have an

B. & S. MASSEY,



OPENSHAW,
Manchester, Eng.

Patentees
and Makers of

**STEAM
HAMMERS**

Power Hammers,
Stamps for Die Work,
Saws for Hot and Cold
Metals.

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

Catalogues in English, French, German and Russian.

Irwell Rubber Co., Limited.

MANCHESTER, - - ENGLAND,

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

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

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

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

Special rates under the new Canadian Tariff. Enquiries invited.

Established 1828.

Cable Address: "DUCHY," Liverpool.

PURE



LARD.

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

LARD OIL.

For delicate machinery is the finest known.

BAR MOTTLED SOAP.

IRVEN BROTHERS, LIVERPOOL, ENG:

Under New Canadian Tariff Law.

R. J. Ward & Sons,



Military Musical Instrument Manufacturers.

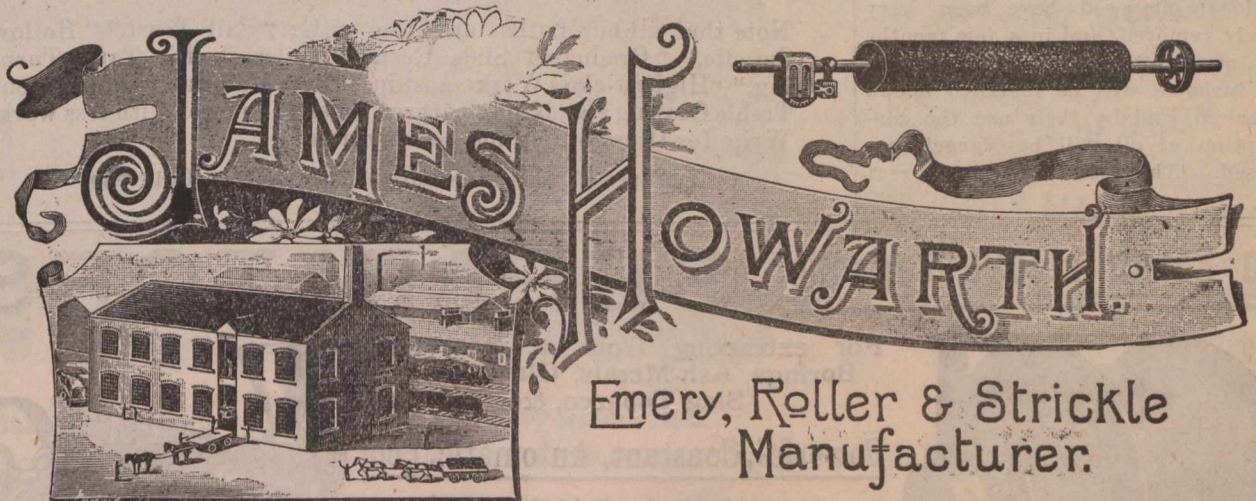
Wholesale Importers
and Exporters of

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

output of about 500 tons daily and employ about 600 workmen.

PETROLEUM IN THE KITCHEN.

The use of oil for domestic purposes either in crude form or as now distillate is rapidly increasing, says the Pacific Oil Reporter. In many large eastern cities, particularly Chicago and New York, oil-burning stoves are rapidly coming into general use. The same can be said of the Pacific Coast. In Los Angeles oil-burning stoves are used in hundreds of dwellings, and many of the largest hotels and restaurants now use oil exclusively. It is also coming into general use for heating halls, churches, theatres, and very many of the best residences. In Oakland one refining company alone is supplying 600 gallons of distillate daily to one company for use in dwellings where oil-burning stoves are used. San Francisco always has been some-



Emery, Roller & Strickle
Manufacturer.

MILKSTONE EMERY ROLLERWORKS. ROCHDALE, ENGLAND.

Improved ROLLER GRINDING FRAMES of all descriptions.

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

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

EMERY FILLETING.

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

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



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

J. TOBLER, BERNE SUISSE

MAISON FONDEE EN 1845

Etiquette déposée

Also in CROQUETTES, BUNDLES, &c.

MACLURE BROS.,

60 Victoria Street
 LIVERPOOL, Eng.

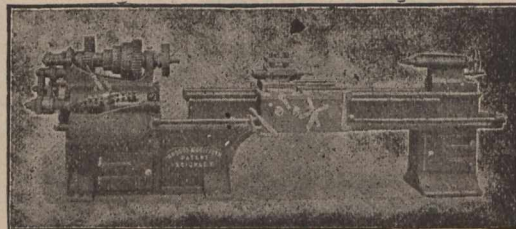
Cable and Telegraphic Address:—"BUSINESS, LIVERPOOL." Codes used—A.B.C., A.I. and Western Union.

what slow in adopting new methods, and, as a consequence, oil-burning stoves are just beginning to be used. One reason, perhaps the main reason, why oil for cooking and heating purposes has not been generally adopted there is the restrictions that have been placed against the use of oil by the stringent measures adopted by the Fire Commissioners and the Board of Underwriters. This was due largely to the imperfections of many of the oil burners that would-be inventors have attempted to place before the public.

Now that science has brought the domestic oil-burner to a state nearly approaching perfection the restrictions previously imposed have been very largely removed, and in a few months very many oil-burning stoves, ranges and furnaces will be installed in San Francisco, and by their use the consumption of oil will be largely increased. The result will be a great

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

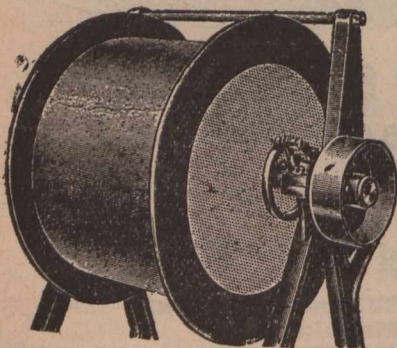
Do you want a Treadle Lathe? Ours has more Improvements than any other.



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

Special Terms to Canadians under the New Tariff.

The Patent Electro-Magnetic SEPARATORS,

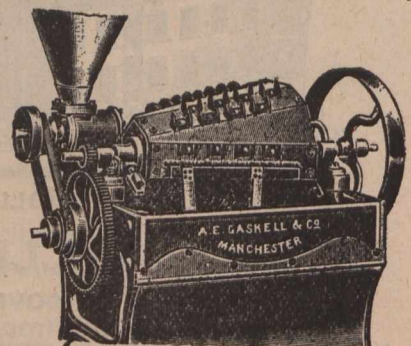


For extracting Iron or Steel from Borings, Ash-Metals, Glass Seeds, Slag Tobacco, &c.

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

PRICES ON APPLICATION TO

A. E. GASKELL & Co.,
 6 Dickinson St., MANCHESTER, Eng.



Contractors to Admiralty.

Works: ROCHDALE, Eng.

Special Terms to Canadians under the New Canadian Tariff.

DAVY BROTHERS

Limited.

TELEGRAMS:
"Motor, Sheffield."

SHEFFIELD, England.

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

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

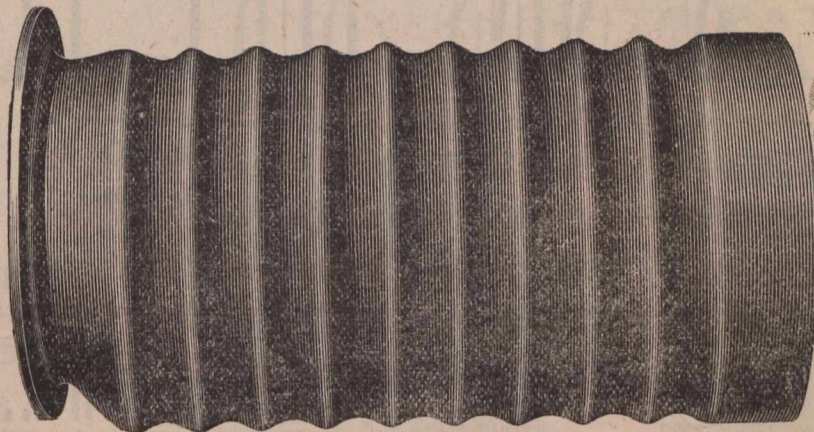
1879	NOTHING TO TOUCH THESE	1902!
Pioneer in Cycle Chains.	Fitted by all the Leading English Cycle Manufacturers. BEST BRITISH.	At the Head of The Trade.
Send for No. 1. Catalogue (Index to Various Types.)	HAN'S RENOLD MANCHESTER CYCLE CHAINS	Tariff no longer pre- vents Canada from seeking the Best in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

reduction in the price of fuel, and a lessening of the toil and discomfort of housekeeping.

BY-PRODUCTS IN THE OIL INDUSTRY.

The oil and sugar industries probably best represent the value of chemistry applied to the solution of trade problems, and the manufacturers of these important commodities have made millions of dollars in this way. One of the secrets of the Standard Oil Company, says Gunton's Magazine, has been the shrewd way in which it has refined and re-refined the oil products until it has opened a dozen different industries to help swell the profits. Originally it was only the petroleum that was utilized, and all the rest was wasted. The waste by-products were so enormous that chemists were early employed to find some way to use them in trades and industries. An elaborate process of refining has been built up so that oils for almost

MORISON'S SUSPENSION FURNACES.



EASILY SCALED.
GREATEST EVAPORATIVE EFFICIENCY
HIGHEST FACTOR OF SAFETY.
MADE UNDER ALL SURVEYS.
LATEST FORMULÆ ON APPLICATION.
UNIFORM THICKNESS.

Flanged Complete by Hydraulic Machinery at one Heat.

As supplied to the Cunard, P. & O., White Star, and all the leading steamship lines in the world.

The Leeds Forge Company, Ltd.
LEEDS, ENG.

These Furnaces are made from special quality of Open-Hearth Acid Steel made at our Works, from the best selected brands of Swedish and Cumberland Hematites.

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

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

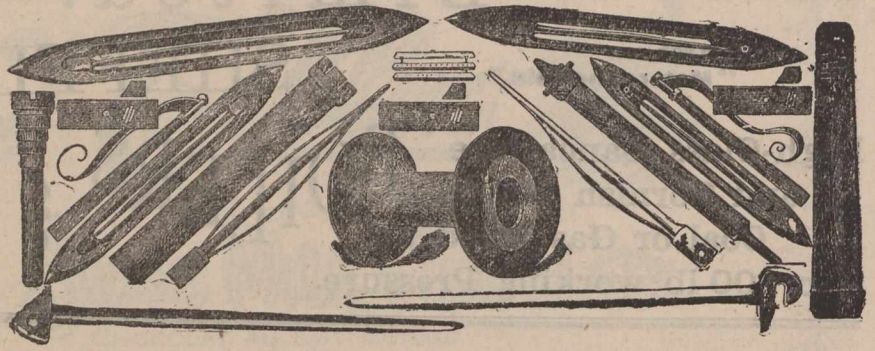
KIRK & CO.,

SHUTTLE
And Bobbin Makers and General
MILL FURNISHERS.

SPECIALITIES.

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

**Cob Wall Works,
BLACKBURN, Eng.**



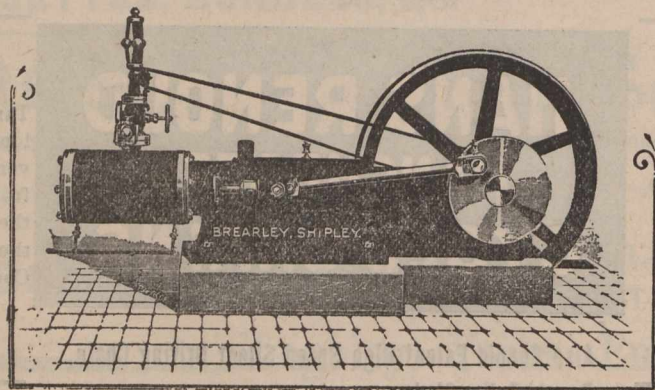
Special Rates to Canadians under the New Preferential Tariff.

all imaginable uses are extracted and prepared. It is from these processes that we get paraffine, soft paraffine, or vaseline, lubricating and fuel oils, axle grease and carbon sticks for electric lighting. The Standard Oil Company keeps steadily in its employ some of the best expert industrial chemists of the country for the purpose of finding out new ways of using their products, and to discover even more profitable ways of utilizing the by-products. It is by no means even probable that the ultimate limit of discovery in the oil industry has been made.

Established 1820.

Telegrams: "BREARLEY, SHIPLEY."

High Class Horizontal Disc Crank Steam Engine.



FAIRBANK BREARLEY,

Central Engine Works,

SHIPLEY, England.

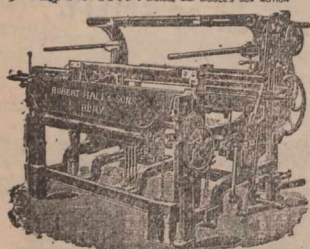
CALCIUM CARBIDE VS. DAYLIGHT.

The acetylene flame has the peculiar and valuable property of being the

Telegraphic Address: "Hall, Bury."

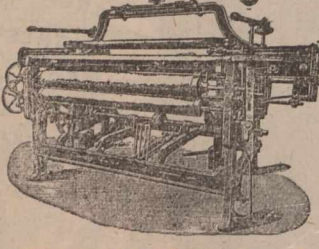
ROBERT HALL & SONS BURY LTD

No. 4 MEDIUM LOOM.
FOR FANCY FABRICS.



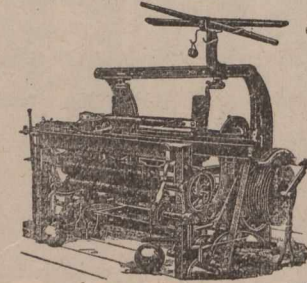
POWER LOOMS OF EVERY DESCRIPTION.
AND KINDS OF PREPARING AND FINISHING MACHINERY FOR WEAVING PURPOSES.

OVERPICK No. 5c LOOM
TO WORK 1 SHUTTLE



**ROBERT HALL & SONS,
BURY,
Near MANCHESTER**

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



ESTABLISHED 1844.
COMPLETE LISTS OF MACHINERY MADE ON APPLICATION.
LETTERS TO BE ADDRESSED TO:
HOPE FOUNDRY, BURY, LANCASHIRE.
FUSION AND GRINDING DEPARTMENTS.

TELEGRAPHIC ADDRESS
HALL, BURY.

BURY,

near Manchester,

... England

Specialties in

Weaving... Machinery

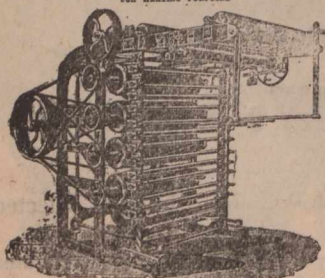
OFFICE:

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

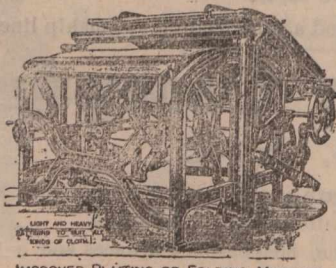
Attendance at Manchester Royal Exchange, No. 8 Pillar, every Tuesday and Friday.

Complete lists of Machinery made on application.

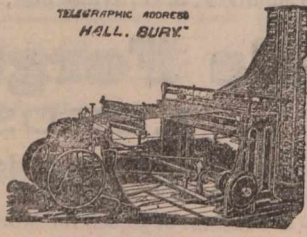
Special prices to Canadians under the new Preferential Tariff.



RAISING MACHINE



IMPROVED PLATING OR FOLDING MACHINE,
WITH PATENT GRIP AND RELIEVING MOTION,
AND IMPROVED SETTING-UP MOTION FOR LONG AND SHORT PLATES.



PATENT SECTIONAL BEAMING MACHINE.

Telephone No. 19. Telegrams:—"PRINT, RAMSBOTTOM." A.B.C. Code used, 4th Edition.

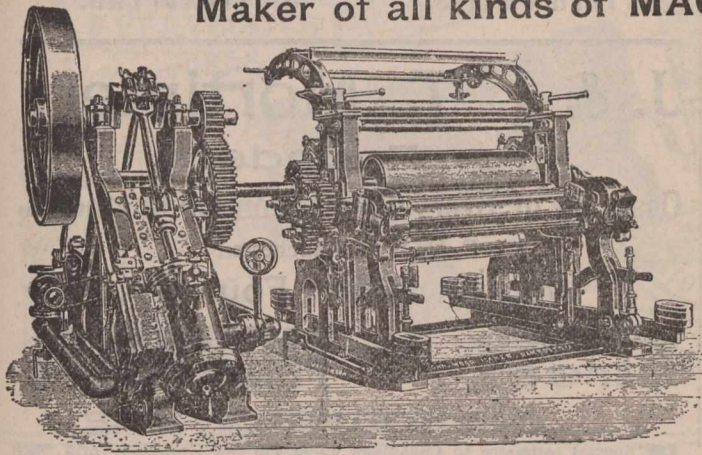
J. WOOD, Calico Printers' Engineer.

Maker of all kinds of MACHINERY for

Bleaching, Dyeing, Printing,
and Finishing Works

Estimates Given for Complete Works. Also PRINTING MACHINES for SANITARY WALL PAPERS.

GARDEN ST. FOUNDRY,
Ramsbottom, Manchester, England.



A RELIABLE & PRACTICALLY UNBREAKABLE FRAME

NO MORE BROKEN FRAMES.

Breakages of Frames and Forks mostly result from defective brazing and the burning of Tubes. We DO NOT HEAT the Tubes; each joint is made and tested separately. The joints are perfect, reliable, immovable, and always visible. Strength, Lightness, Rigidity. Enamelled inside as well as outside to prevent rust. SEND FOR OUR CIRCULAR.

TELEGRAPHIC ADDRESS: EFFECTIVE, MANCHESTER.

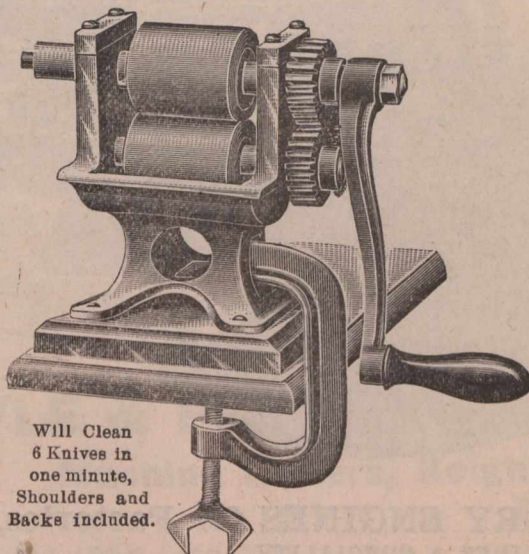
HYDRAULIC JOINT FRAME

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

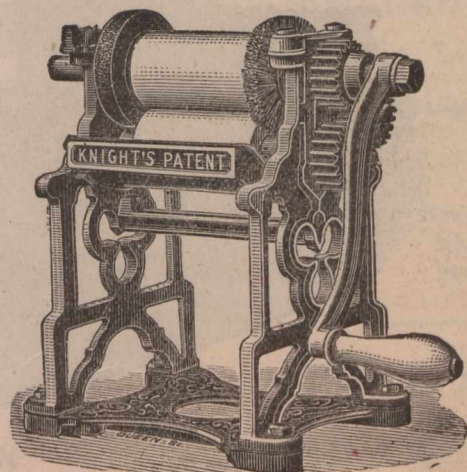
nearest approach to the daylight of any artificial light we have, says the Plumber and Decorator. It is so nearly like that it can be used for purposes which are otherwise impossible when the sun is down. The manager of a company which manufactures artificial stone says that since his acetylene installation has been put in they have been able to accomplish the difficult task of matching natural stones by artificial light. It is also said that certain large drapery establishments have "acetylene rooms," where ribands and what not can be matched or otherwise be made to show their true colors after dark. In a large lithographic works acetylene is used for distinguishing the various yellow tints—an

ARE YOU WANTING A REALLY GOOD **KNIFE CLEANER?**
TRY KNIGHTS PATENT.
THE BEST MACHINE TO USE OR SELL. Made in 5 Sizes for 12/6 to 30/.

KNIVES
POLISHED
LIKE
SILVER.



Will Clean 6 Knives in one minute, Shoulders and Backs included.



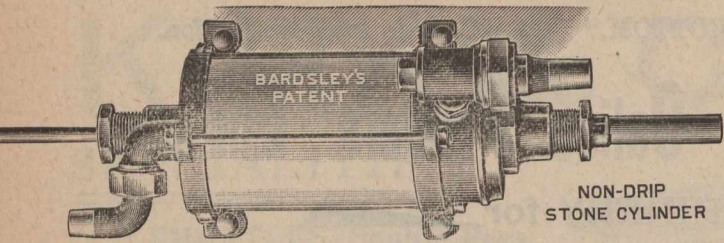
Will clean 8 Knives or 8 Forks in one minute.

NO
DAMAGE
TO
CUTLERY.

SPLENDID VALUE. QUICK SELLING LINE.

MANUFACTURED SOLELY BY

John Crowley & Co., Ltd., Sheffield, Eng.



A GREAT BOON to Publicans and the Public generally.

“BARDSELY’S”
Patent NON-DRIP STONE
CYLINDER BEER PUMPS.

Prevent Beer Poisoning, Waste and Nauseous Taste in Morning. Will Repay Cost in 12 months.

Can be fitted to any Machine.

Write for Particulars.

BARDSELY & CO.,

39 UNION STREET,
 OLDHAM, ENG.

SAYNOR, COOKE & RIDAL,

Manufacturers of every description of

Pen, Pocket & Sportsman's Knives, Pruning & Budding Knives, Vine, Pruning & Fancy Scissors, Garden Shears, and all kinds of Horticultural Tools.

Paxton Works,

SHEFFIELD, ENG.

J. & J. T. Mortimer,
 Iron Founders,
 Castings of Every Description for Engineers,
 F. O. B. at Manchester.

Wicken Tree Foundry,
 Slater Street, • **FAILSWORTH,**
 Manchester, Eng.,

Special estimates to Canadians under the new Canadian Tariff.

impossible task with either electricity or coal gas—and this has enabled the work and output to be rearranged to the extent of saving the cost of the installation the first year. It appears that a Californian artist used acetylene for color mixing and painting at night, finding that color values can be judged equal to daylight, with the very important advantage that with acetylene the power of the light is unvarying, whereas daylight undergoes more or less change every hour of the day or oftener.

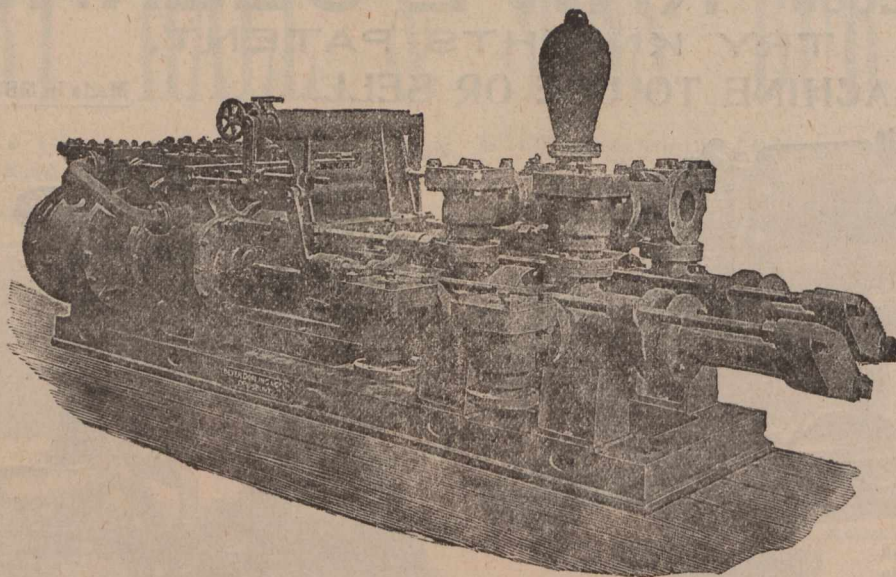
A VALUABLE BY-PRODUCT.

Hitherto the hull of the cottonseed has had no value, but this is now to be utilized in admixture with flax fibre in paper manufacture. A company organized for this purpose has bought extensive paper mill properties at Niagara, on the lands of the Niagara Falls Power Co. The collection and preparation of the cottonseed hulls for paper stock will be undertaken at

mills conveniently located in the South. The material will be used in the manufacture of high-grade papers, and is said to give great strength with beautiful finish. Its advantage over other possible paper-making materials is that it is the by-product of other industries, and is consequently much cheaper than one which has to be grown, gathered and prepared especially. Probably the most useful steps in mechanical progress are those along the line of utilizing the waste products of existing industries.

Bever, Dorling & Co., Ltd.,

Contractors to H. M. War Offices Admiralty,
 India Offices, and Crown Agent for the Colonies.



Makers of High-Class STATIONARY ENGINES for Factories, &c.
 AIR COMPRESSOR ENGINES A SPECIALITY.

DUPLEX PUMPS

For Boiler Feeding, General Marine Purposes,
 Mines and Hydraulic Power

IMPROVED TEA MACHINERY.

PATENT FRICTION CLUTCHES.

REGISTERED OFFICE AND WORKS:

Queens Foundry,

Dewsbury, England.

B. BULLOCK LIMITED.
 EXCELSIOR CONFECTIONERY WORKS,
DEWSBURY, ENG.

EVERYBODY'S MIXTURES.

LOZENGES
 PAN-GOODS
 GELATINE
 GOODS
 BOILED-SUGARS

JELLY TIT-BITS

ORIGINAL & SOLE MAKERS OF THE NOTED REAL YORKSHIRE HONEY & BUTTER TOFFEE.

TRADE MARK

SWEETS ALL AND EVERY SORT MADE TO ORDER.

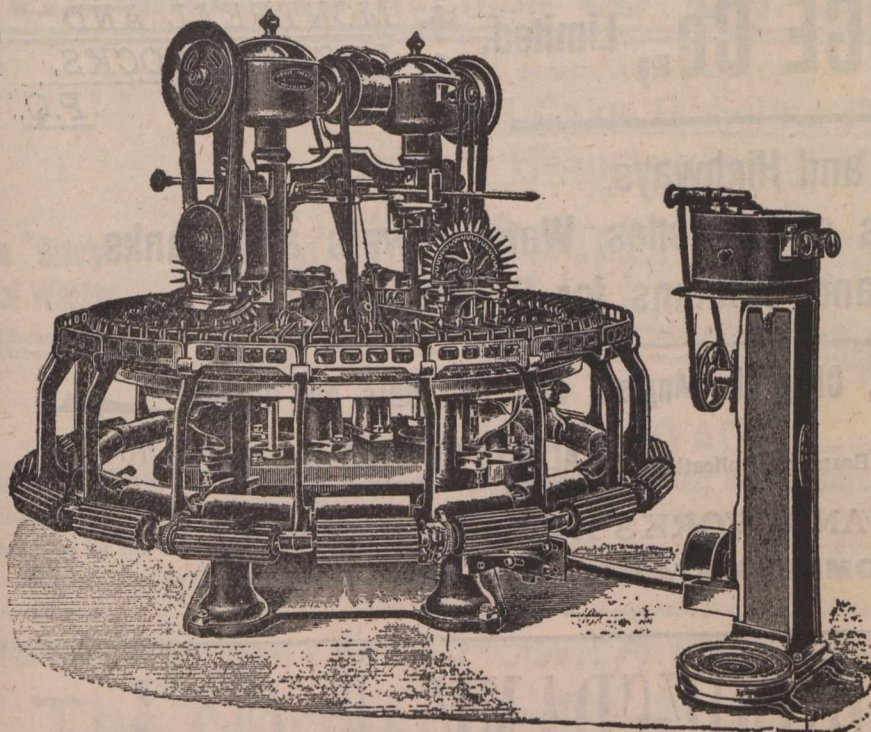
TELEGRAMS: "JONAS WELLS, KEIGHLEY."

IMPORTANT TO Engineers, Machinists, Colliery Proprietors, and Railway Wagon Owners, &c., &c.

JONAS WELLS,

Brass, Malleable Iron and Steel Founder,
GREENGATE WORKS, KEIGHLEY, Eng.

Special terms to Canadians under the New Canadian Tariff



HOYLE & PRESTON,
 Machine Makers, Keighley,
ENGLAND.

GLOBE IRON WORKS.

Noble Wool Combing Machines, Lister Wool Combing Machines, Hand Wool Scouring Machines, Self-Acting Wool Scouring Machines, Hot and Cold Air Wool Drying Machines, Back Washing Machinery of every Description, Grease Presses on Screw or Hydraulic Principle, Yarn Scouring Machines, Yarn Crossing Presses, Warping Mills, all on the most recent and improved principles, all Accessories and Fittings pertaining thereto, all Description of Iron and Brass Castings, &c., &c.

MOUNT BROS.,

Manufacturers and
 Dealers in

Electrical Supplies,

Wiring and Electric Light Contractors.

Bells, Annunciators Telephones, etc.

784 Craig St., - Montreal.

Individual Evening Instruction.

ON

Tuesday, Wednesday and Friday Evenings

AT

Montreal Business College

Corner Victoria Square and Craig Street

Book-keeping, Arithmetic, Penmanship, Shorthand, Type-writing, Correspondence English, French, Civil Service, etc. Students select their subjects and are taught separately by nine expert teachers. Write, call or telephone Main 2390 for Prospectus and new price list. Address,

J. D. DAVIS,

43 Victoria Sq., Montreal

New Hair-Dressing Establishment and Barber Shop

IN THE

... BELLEVUE APARTMENTS... (FOLEY FLATS)

Mr. Peter Harvey, for the last nine or ten years favorably known to the patrons of MARIEN'S, on St. Catherine Street, will open a First-class

Hair-Dressing Establishment

in the Bellevue Apartments Building, Metcalfe and St. Catherine Streets and Dominion Square, on or about the 1st of May, 1903. Modern improvements, skilled workmen, personal supervision.

Edwin C. Lewis Co.,

Contractors for the
 Installation of
 Electric Lights,
 Bells, Telephones,
 Etc.

Boston Office: Montreal Office:
 67 Federal Street. Temple Building,
 Boston, U. S. A. Montreal, Que.

TO LET.

— ONE STORE IN —

Bellevue Apartments,
 METCALFE ST.

Apply for Permit to

M. S. FOLEY,

171 St. James St.

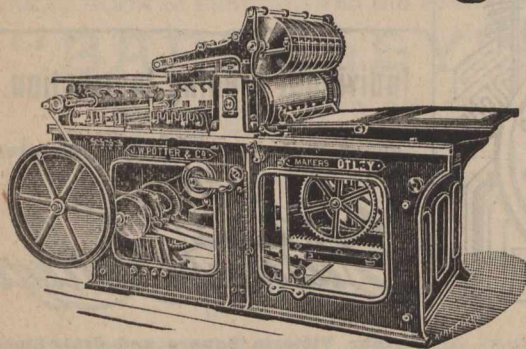
Telegraphic Address POTTER, ENGINEER, OTLEY.

ESTABLISHED 1897.

J. W. POTTER & CO.,

Prospect Works, OTLEY, YORKS, England.

..Printers' Engineers and Machinists..



Makers of the Latest Improved Wharfedale Letterpress, and Two-Colour Machines, Lithos, Platens, Guillotines and Self-Clamp Cutting Machines. : : : : : : : :

And every description of Special Machinery for Letterpress and Lithographic Printers, Bookbinders, Stationers, etc., Gear Machine-Cut throughout.

Quotations for any size and every kind of Machine for the Printing Trade forwarded on application.

Stationery

A Special Line.

Good, Straightforward Stationery at straightforward prices.

Journal of Commerce Job Department,

Send for Estimate.

171 St. James Street.

Mail Orders receive our best attention.

DOMINION BRIDGE Co., Limited, ✦ MONTREAL AND LACHINE LOCKS, P.Q.

**Bridges for Railways and Highways,
Piers and Trestles, Water Towers and Tanks,
Roofs, Girders, Beams and Columns for Buildings.**

A large Stock of Rolled Steel Beams, Girders, Channels, Angles, Tees, Z Bars and Plates.

Tables, giving Sizes and Strength of Rolled Beams on application.

ALWAYS ON HAND IN LENGTHS TO THIRTY-FIVE FEET.

Post Office Address: **MONTREAL.**

**OFFICE AND WORKS AT LACHINE LOCKS,
(DOMINION STATION, C. T. Ry.)**

Telegrams,
"QUADRUPLE,
KEIGHLEY."

E. BROOKSBANK & Co., LTD.,

**Station Oil and
Soap Works . .**

**KEIGHLEY,
England.**

SPECIAL Prices to Canadians under the New Canadian Tariff.

Geo. Cradock & Co.

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

WIRE ROPE WORKS

Makers
of

Wakefield, England.

WIRE ROPES FOR ALL PURPOSES

(From Wire and Steel of their own manufacture)

And

HIGH CLASS MINING STEEL.

BRANCHES:

LONDON—7 East India Avenue, E.C.

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

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

Registered



Trade Mark.

TELEGRAMS: CRADOCK WAKEFIELD.

A.B.C. & ENGINEERING CODES USED.

AGENTS FOR CANADA

WINN & HOLLAND,

Montreal.

Mulholland, Maugham & Co. Ltd.,

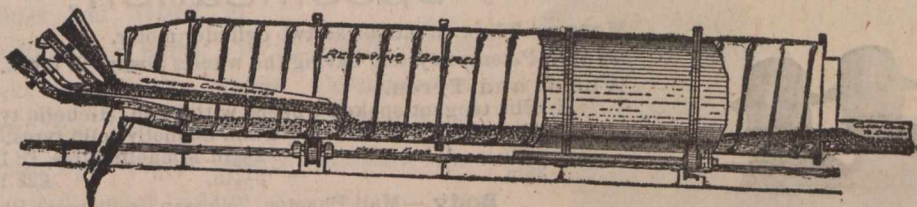
West Cornforth,
Co. Durham, England.

MANUFACTURERS OF

Coal and Coke Handling Plant of all Descriptions,
Colliery Heapsteads and Mining Machinery - - -

The 'Blckett'
Coal Washer

(Blckett and . . .
Palmer's Patent.)



Capacity of each Ma-
chine per Day 150
to 200 tons.

ADVANTAGES

Cheap. Perfectly Automatic. Angle for Washing Easily Adjusted. Requires no Attention.
Efficient. Few Working Parts. No Leakage. Requires Small Room. Large Capacity. Simple.

Adopted by the CARLTON IRON CO., LTD., the THRISLINGTON COAL CO., LTD., SIR BERNHARD SAMUELSON & CO., LTD., and others.

Special Prices to Canadians under the New Tariff.

HUGHES' PATENT POWER PRESS

Patented in the United Kingdom, Germany
United States of America, Etc.

The Normanby Brick Company, Ltd.,

Patentees and Sole Manufacturers;

NORMANBY, Near MIDDLESBROUGH, ENG.

Are now prepared to offer their Patent Press Adapted to Steam Power.

This Machine has many advantages over the ordinary steam press of which the following are the chief, viz: 1.—Every brick is one exact thickness when it leaves the box, the only variation being in the depth of the panel. 2.—The stretcher parts are absolutely free from Arris. 3.—Equal pressure and 2 nips are brought to bear on each side of the brick, which prevents twisting and the pressure can be increased or reduced as desired. 4.—The repairs are reduced by about 50%. 5.—Capacity from Eight to Ten Thousand per day of 9½ hours. 6.—Hands required to work the machine, four boys.

The Machine can be seen at work at the above works any day by appointment.

For all further particulars apply as above.

Special prices to Canadians under the new Tariff.

E. SCHREIER,

23 Bartlett's Buildings, Holborn Circus, LONDON, Eng



Manufacturer and Exporter of

A.B.C. 3, 4 and 5 Action
Hand Numbering Machines
Patent "Excelsior" Counter
FOR PRINTING PRESSES.

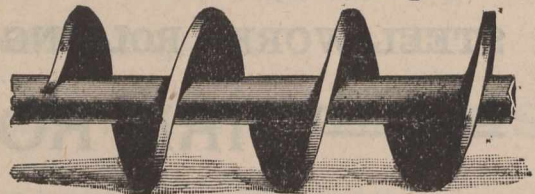
PATENT AUTOMATIC
Type-High Numbering Machines.
Automatic Chases for Printing and
Numbering Cheques in one operation, and every
description of



Numbering, Dating and Perforating Machines.
WRITE FOR PRICES.

Wrigley's Automatic Conveying Co.

85 Royal Exchange,
MANCHESTER, Eng.



Wrigley's Patent Cast-Iron Worm.

ELEVATORS & CONVEYORS,

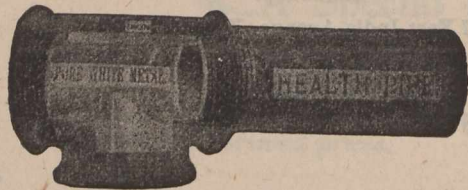
For Coal, Coke, Ashes, Grain, Malt
and other Materials.

Special prices to Canadians under the New Tariff

By His Majesty's Letters Patent.

... THE ... Health Water Pipe.

It conducts water without poisoning it



E. Walker & Co., Patentees,
Heckmondwike, Eng.

Highest Award British Medical Association Exhibition, also
Two Gold Medals Awarded.

BRICKMAKING MACHINERY.

On all Processes, "PLASTIC," "STIFF-PLASTIC,"
"SEMI-DRY" and "DRY-PRESS"—PRESSES,
GRINDING MILLS, ENGINES, and ALL BRICK-
YARD REQUISITES.

PORTLAND CEMENT and COAL BRIQUETTE
PLANTS on latest and most up-to-date systems.

SEND FOR CATALOGUE.

William Johnson & Sons, (Leeds), Ltd.
Castleton Foundry, LEEDS, Eng.

Special terms under New Tariff.

THE TURRELL CAR.

Specification.

Motor.—7 h.p. vibrationless, two cylinder motor.

Gear.—Patented system having the wheels always in mesh.

Wheels and Tyres.—

- 32in. tangent-spoked wheels, with 2 1/4 in. Michelin tyres.
- 34in. artillery wheels, with 2in. Connolly solid tyres.
- 32in. " " " 2 1/4 in. Michelin tyres, £8 10s. extra.
- 32in. " " " 3 1/2 in. " " £22 10s. "

Body.—Mail Phaeton, Tonneau, or Siamese Phaeton.

Brakes—Powerful pedal brake on differential gear. Powerful lever brakes on driving wheels, compensated, and acting in both directions. Ratchet to hold the car on steep hills; this much facilitates starting on big gradients.

Pump.—Special slow-speed positive pump.

Radiator.—Of ample size.

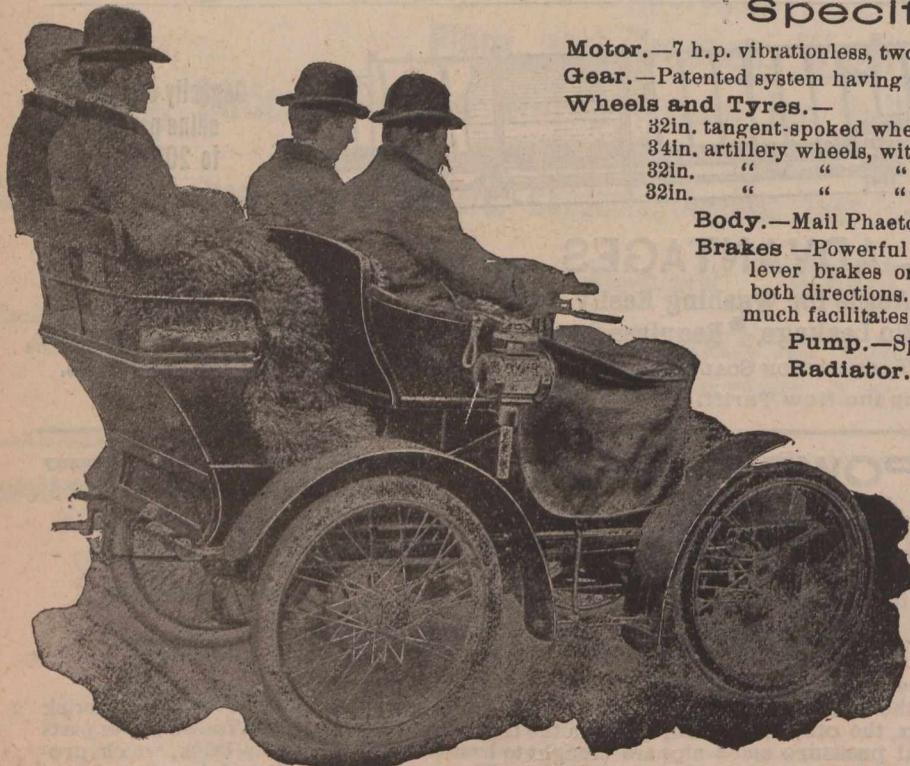
Chains.—By the Coventry Chain Co.

Fitted with either a bonnet or
basket in front,

300 Guineas net.

Special estimates to Canadians under
the new Preferential Tariff.

Catalogues, giving drawings
of detail parts, etc., etc.,
from - - - - -



THE POLLOCK ENGINEERING Co.
ASHTON-UNDER-LYNE, ENGLAND.

The Roebing Construction Company,

Head Office : Liberty St., New-York.

MANUFACTURERS AND CONTRACTORS FOR

THE ROEBLING SYSTEM

...OF...

FIRE-PROOFING

Fire-Proof Floors, Ceilings, Partitions, Girder and Column Protection, Furring and Wire Lathing for Ornamental Plaster Effects, Exterior Wall Wire Furring, Etc.

Address all communications to **E. D. HOFELLER**, Buffalo, N.Y.

Sloan & Davidson.

Architectural Sanitary and General

IRONFOUNDERS

GARRICK FOUNDRY

175 Kirkstall Road, :: ::
:: :: :: LEEDS, England.



SPECIALITIES.

Rain Water Pipes and Gutters. Railings, Palisadings and Gates, in Cast and Wrought-Iron. Baths, W. C., and Urinal Ranges, for Works and Public Places. Columns and Brackets, Roof Spandrils, Verandahs, Balconies and Band Stands, etc. Spiral and Straight Stairs, Balusters, etc. Pavement Lights. Stall Board Lights.

Light, Plain and Ornamental Castings of all Kinds.

WE ARE DOING THE PRINTING.....

for some of the leading insurance companies — and giving satisfaction, too. We have the facilities for this class of Printing and can figure just about as close as anybody doing good work.

JOURNAL OF COMMERCE,

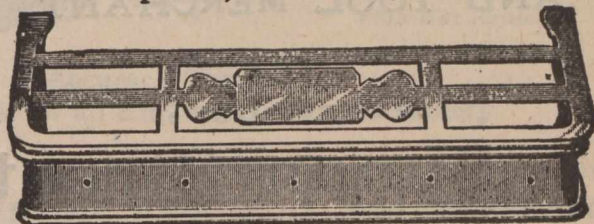
171 St. James Street,

(MONTREAL)

ROBERT PEEL.

MARSH PUDSEY, near LEEDS, Eng.

Manufacturer of Kitchen Fenders, Fire Irons, Top Bars, Fire Stands, &c.



Prices on application.

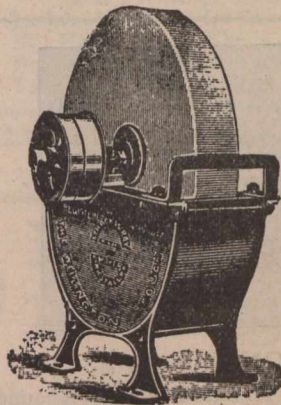
A. B. THACKWRAY,

Kirkstall Road, LEEDS, ENGLAND.

Manufacturer of All Kinds of

GRINDSTONES

Both Coarse and Fine Grit.



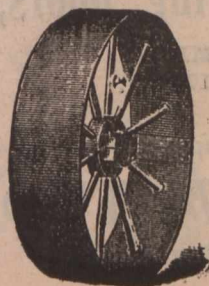
Sole Maker of the WELLINGTON TROUGH, REGISTERED.

SEND FOR CATALOGUE OF PRICES.

Wrought • Iron • Pulleys.

WELL FINISHED, STRONG and TRUE.

Price-lists and discounts on application.



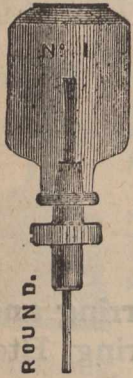
Douglas, Lawson & Co.

Birstall, near Leeds,

ENGLAND.

BUTTERWORTH BROS., Ltd.,

Newton Heath Glass Works, MANCHESTER, Eng.



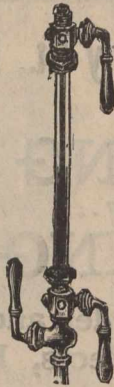
INVINCIBLE GAUGE GLASSES, both plain and enamelled. In sole use by the British Admiralty, recently tested to 5,000 lbs. to []"

Any kind of glass whatever used in machinery or applied to fittings.

The largest existing makers of **GLASS TUBES** for Gauge Glasses and the Electrical, Rubber and Brewer Trades.

GLASS NEEDLE LUBRICATORS and all other kinds of Lubricators. Lamps for all purposes.

Present Contractors to H.M. Government.



Write for our lists of

Electrical Glass, Machinery Glass, Table Glass, Ship Glass, Confectionery Glass, Cut and Engraved Glass, Etc., Etc.

William Partington,

ENGINEER, MACHINERY AND TOOL MERCHANT.

WAREHOUSE:

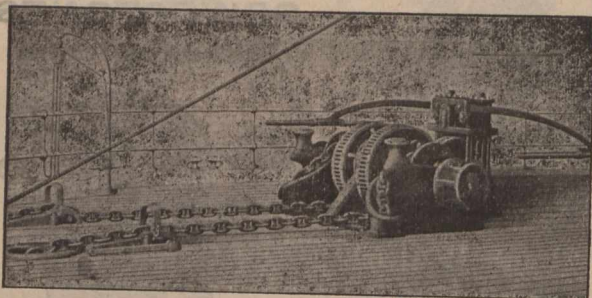
St. Simon Street,

Blackfriars Road.

SALFORD, ENGLAND.

Town Office:

49 DEANSGATE, MANCHESTER, ENGLAND.



HARFIELD & CO., LONDON, Eng.

Patent Steam Engine Windlass, with Manual Levers, Compound Brakes and Frictional Connectors, and Reversing Action. (Cables leading to underside and paying down through Pipes in Side Standards into Lockers underneath.)

Special terms to Canadians under the New Tariff.

O'Connor's

PATENT DOUBLE ACTION

Spring Hinges for Swing Doors,

OBTAINED THE GOLD MEDAL AT LIVERPOOL EXHIBITION.

Price Lists and particulars on application to

O'CONNOR, LIMITED

Wavertree, Liverpool, England.

[Tel. Address: "Metal, Glasgow."]

WM. JACKS & CO.,

23 Royal Exchange Sq., Glasgow, Scot.

IRON, STEEL AND ORE MERCHANTS AND BROKERS, STEAMSHIP OWNERS AND BROKERS.

Specialities:

Pig Iron Warrants. Pig Iron of all kinds. Steel and Iron Plates, Angles, Bars, Rails, &c., Cold Blast Iron, Ferro-Manganese, and Spiegeleisen, Iron Ores, Manganiferous Iron Ores, Copper, Tin, Lead, Spelter, Antimony, &c. Cast-Iron Pipes, Gas and Boiler Tubes, Fire Bricks and Clay, Coal and Coke.

Daily and Weekly Reports of the Iron and Metal Markets, with Statistics of Stocks and Shipments.

Telegraphic Address: "TORPEDO, LIVERPOOL."

Howard K. De Lacy, A.I.E.E.
John J. De Lacy.

DE LACY BROS.,

Electrical

And

General Engineers,

Showrooms and Works:

58 Oldhall Street,

LIVERPOOL, Eng.

Speciality: **ORGAN BLOWING MACHINERY,** Electric, Gas, Hydraulic.

Telegrams:—"PNEUMATIC."

CYCLE FRAMES, FITTINGS and ACCESSORIES

THE

Universal Cycle Trading Co.,

LIMITED.

Duke Street,

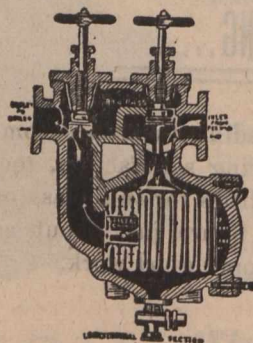
LIVERPOOL, Eng.

Managing Director:

W. T. PRITCHARD.

Telegraphic Address: "FERRO, LIVERPOOL."

Railton & Campbell's



Patent Corrugated and Ringed Filter

For Marine and Land Boilers.

Patent Expansive Stop-Valve and Patent Silent Ash Hoist.

Patent Corrugated and Ringed Feed-Water Filters.

LIVERPOOL, ENGLAND.

BOILER SHOP.

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

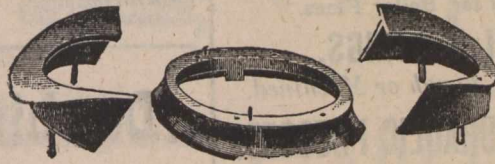
Having a full outfit of machinery and tools, including Steam Riveter, and men of long experience, it invites comparison of the quality of its work, with any shop in Canada.

ARTHUR KAVANAGH,
Manager.

J. H. FAIRBANK,
Proprietor.

Thomas E. Whitworth,

HATTERS' MACHINIST,
DENTON, near MANCHESTER. Eng.



SPECIALITY

Improved Split Frames for
Curling and Shaping

FELT HAT BRIMS.

Accuracy Guaranteed.

Estimates for all Kinds of Hatting Machinery

SHIPPING ORDERS and ENQUIRIES Promptly Attended to.

WE CAN
ALWAYS
SPARE TIME

FOR customers who want a figure on their *Printing*. So don't be anyway bashful in asking for our price on your Bill Heads, Letter Heads, Visiting Cards, Business Cards, Statements, Envelopes, Tags, Note Heads, Catalogues or Posters.

JOURNAL
OF
COMMERCE
171
St. James St.,
MONTREAL.

SECURITIES.		London April 24	
British Columbia, 1877 5 p.c.	106	110	
1887, 4 1/4 per cent	84	96	
1891-3, 3 p.c.	106	108	
Canada, 4 per cent. loan, 1860	101	103	
3 per cent. loan, 1898-99	103	105	
Debs. 1884, 3 1/2 per cent	88	90	
3 1/2 p.c. loan, 1897	107	109	
Manitoba, 1885-6, 5 p.c.			
Railway and other Stocks.		April 24	
Quebec Province, 5 p.c., 1874	102	107	
1876, 5 p.c.	102	107	
1880, 4 1/4 p.c.	102	104	
1883, 5 p.c.	108	110	
Atlantic & Nth. Western 5 p.c. Guar	120	122	
1st M. Bds	134	134	
Buffalo & Lake Huron \$10 shr.	136	139	
do 5 1/4 p.c. bonds			
Can Central 5 p.c. M Bds. Int.			
guar. by Gov			
Canadian Pacific \$100	127	112 1/2	
Grand Trunk, Georgian Bay, &c.	99	101	
1st M			
Grand Trunk of Canada Ord. stock.	11 1/4	11 1/4	
2nd equip. mtg. bds. 5 p.c.	126	129	
1st pref. stock 5 p.c.	100	100 1/2	
2nd pref. stock	83 1/2	84	
3rd pref. stock	35	35 1/4	
5 p.c. perp. deb. stock	132	135	
4 p.c. perp. deb. stock	106	107	
Great Western shares, 5 p.c.	138	135	
Hamilton & N.W., 5 p.c.	105	107	
M. of Canada Stg. 1st Mort. 5 p.c.			
Montreal & Champlain 5 p.c. 1st			
mtg. bds	99	101	
N. of Canada, 1st mtg., 5 p.c.	101	104	
Quebec Central, 5 p.c. 1st Inc. Bds	106	108	
T. G. & B. 4 p.c. bonds, 1st mort.			
Well., Grey & Bruce, 7 p.c. bds.	110	113	
1st Mort	105	108	
St. Law. & Ott. 4 p.c. Bds			
MUNICIPAL LOANS.			
City of London (Ont) 1st pref 5 p.c.	102	104	
City of Montreal stg. 5 p.c 1874	103	105	
City of Ottawa, 4 1/4 p.c. stg.	100	103	
redeem 1873	100	103	
redeem 1875	101	104	
City of Quebec, 6p. c. redeem 1875.	107	109	
redeem 1878	113	114	
City of Toronto, 4 p.c. 1889-93	100	102	
6 p.c. stg. con. deb. 1874-1876.	100	106	
5 p.c. gen. con. deb. 1879.	111	113	
4 p.c. stg. bonds.	102	104	
City of Winnipeg deb., 1884, 5 p.c.	107	109	
Deb. scrip, 1883, 5 p.c.			
MISCELLANEOUS COMPANIES.			
Canada Company	36	40	
Canada North-West Land Co.	10	12	
Hudson Bay	25 1/4	25 3/4	
BANKS.			
Bank of British North America	67	69	
" Montreal	530	540	
Canadian Bank of Commerce	15	16	



LARGEST
MAKER
IN THE
WORLD.
200
TO
300
IN
50 Different
Sizes in
Stock.

Can Despatch
on Receipt or
Wire.

ENGLAND.

OIL Lubricating Burning

In Casks, Barrels
or Drums.

Specially Prepared
for Export.



Cables to
"LIGHTHOUSE."

JAMES LIGHT & SON, LIMITED
LIVERPOOL, England.
LIADGO WORKS and 9 Rumford St.,
Cog,
Locomotive,
Antifricition,
Water-Wheel,

GREASE

ESTABLISHED 1810.

JOHN SPENCER & SONS, L^T, D.,

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

Newburn Steel Works,

NEWCASTLE-ON-TYNE, ENGLAND,

Offices: { Newcastle-on-Tyne: 27 Westgate Road,
London: Cannon Street Buildings, 139 Cannon Street.

ON ADMIRALTY LIST.

MANUFACTURERS OF STEEL

By the Siemens', Cementation, and Crucible Processes.

SHIP and BOILER PLATES up to 11 Feet Wide.

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

STEEL FORGINGS, STEEL CASTINGS,

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

CRANK AXLES & SHAFTING HYDRAULIC PRESSED.

Springs.—Laminated, Volute, Patent Improved Volute, Conical, Spiral (Original Manufacturers of Volute Springs).

Buffers, of Wrought and Cast Iron, of all descriptions. Best Cast Steel for Tools from finest Dannemora Brands. Best Cast Steel Files. IRON FORGINGS of all kinds.

FOSTER'S & FOWNES' Patent CRANK SHAFTS.

WASTENEYS SMITH'S PATENT STOCKLESS ANCHORS.

Special price to Canadians under the New Tariff.

John Rigby & Sons,

LIMITED.

Salford, Manchester, Eng.,

Manufacturers of . . .

WIRE OF ALL DESCRIPTIONS.

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

A. HIRST & SON, Limited,

ELECTRICAL AND MECHANICAL ENGINEERS,

CRESCENT WORKS,

VICTORIA ROAD . . . DEWSBURY, ENG.

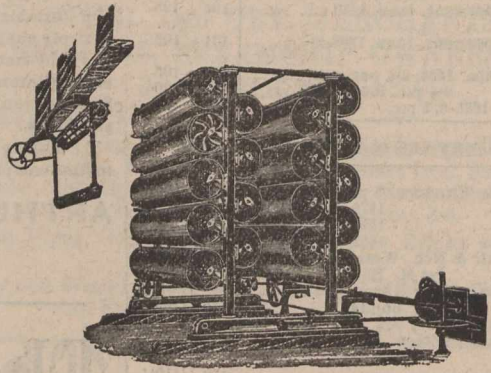
MAKERS OF

DYNAMOS, ELECTRICAL PUMPS,
MOTORS, HAULING FANS,
RESISTANCES, MACHINERY, SWITCH BOARDS,
STARTING SWITCHES.

And All Kinds of Mining Machinery.

EDWARD DAVIES & CO., Engineers, Millwrights & Ironfounders,

Water Lane Works, Thornton Road.
BRADFORD ENGLAND.



Upright Drying Machine.

.....Makers of.....

Hydraulic Pumps, Horizontal and Vertical Steam Engines, Improved Warp Steeping Motion, Dyeing, Sizing, Drying, and Baling Machines, Indigo Vats, Crabs, Pads, Dolleys, and Hoists, Cranes, Shafting, Wrought & Cast-Iron Pulleys, Plummer Blocks, Couplings, Hangers, and Gearing Mortar Mills and Castings.

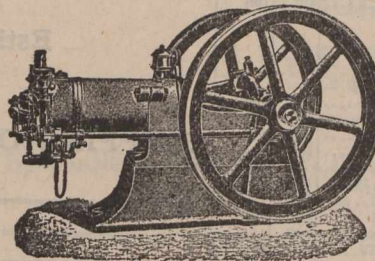
Repairs Promptly Attended to.

Special prices to Canadians under the New Tariff.

..Dewhurst's Gas Engine..

IMPROVED "OTTO"

LEADING FEATURES:—



Simplicity with Economy. Silent and Steady Running. Steady Impulse without Shock. Low consumption of Gas. Positive Governing. Easy to Start. High-Class Workmanship. Neat in Design. Durable and Reliable. Change of Speed while running. Anti-Fluctuator Gas Bag. Electric Light Governors Automatic Lubrication. Minimum Prices.

SOLE MAKER:

C. H. DEWHIRST,

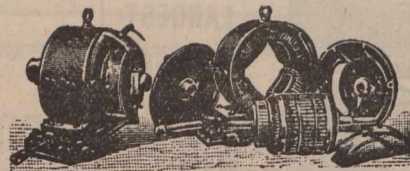
GAS ENGINE WORKS.

Telegrams: "Dewhurst, Engineer, Keighley."

KEIGHLEY, Yorks, Eng.

Special Rates to Canadians under the Preferential Tariff.

ELECTRICAL PLANTS FOR LIGHTING and MOTOR DRIVING.



"TURNER" D.P. TYPE ENCLOSED MOTORS.

TURNER, ATHERTON & CO., Ltd.,

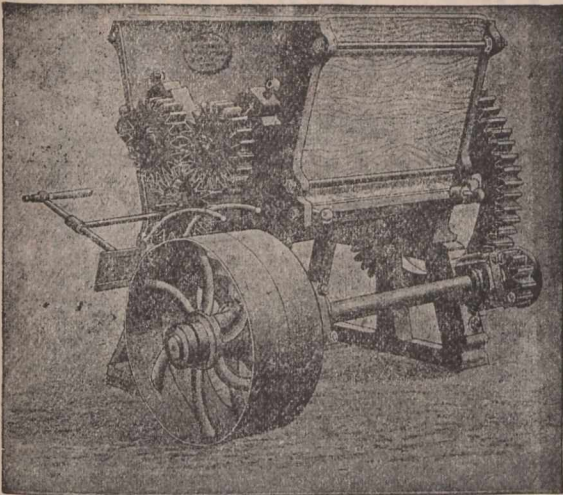
Electrical Engineers, &c.,

Electrical Accessories:

DENTON, Manchester, Eng.

These Motors are manufactured especially for the Canadian market, under the new preferential tariff, 33 1/3 per cent. in favour in the English market.

Established 1842.



JOHN HEALD,

Engineer, Millwright, Iron
and Brass Founder, &c.,

CHORLEY, - LANCASHIRE, ENGLAND.

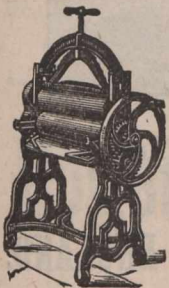
Sole Maker of JOHN HEALD'S Patented Doughing and Grinding Machine for Waterproofing. Maker of Mixing, Washing and other India Rubber Works Machinery. Vulcanizing Presses, Pans, Moulds, Etc.

Telegraphic Address:
"PHOENIX," KEIGHLEY.

W. Summerscales & Sons,

LIMITED.

Coney Lane Works,
KEIGHLEY, England.



Manufacturers of
every class of

**LAUNDRY & DOMESTIC
MACHINERY,**

For Canadians, under the New Tariff.

Established 1860.

BINNS BROS.,

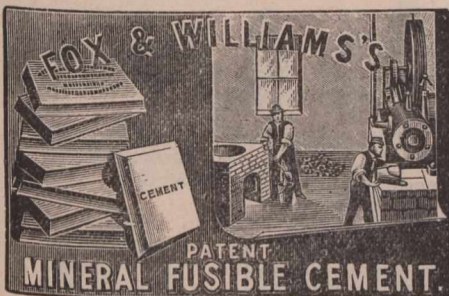
ENGINEERS' TOOL MAKERS,

VICTORIA IRON WORKS,

Water Lane, HALIFAX, Yorkshire, Eng.

Special terms to Canadians under new Tariff.

FOX & WILLIAMS'S Mineral Fusible Cement,



(The
Strongest,
Hardest,
Most
Effective
and
Economical)

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

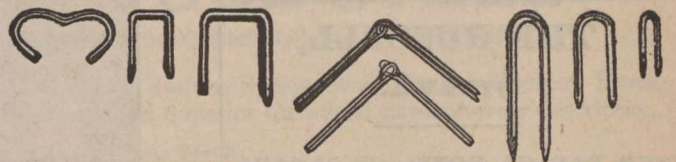
For Prices and Particulars Apply to

FOX & WILLIAMS,

SOLE MAKERS,

Spread Eagle Works,
Trentlam St., Chester Rd., - Manchester, England.

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



STAPLES,

TINNED & COPPERED
FLAT STAPLES.
LINGOES OR LOOM
WEIGHTS.

Box Hinges. Reed Ends Jacquard Wires (perfectly straight.) All kinds of ROLLED WIRE, (cut or in coil)

JOSEPH HIRST,

Kirklees Ironworks, Brighouse, Eng.

Please write for lists & samples.
Special terms to Canadians under new tariff.

„ The Wellington Machine Company „

Engineers & Machinists,

Machine Specialists for Folding Box Makers
Bookbinders, Printers, Manufacturing Stationers
&c., &c.

Specialities:—Wellington Box Covering and Topping Machines.
Wellington Rotary Cutting and Grooving Machines. Wel-
lington Board Liner. Wellington Rotary Punches. All kinds
of special Dies for Folding Boxes.

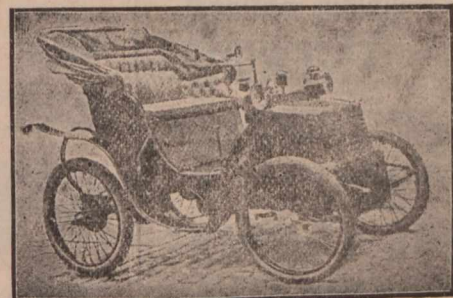
Works, Office and Showrooms:

Wellington Road, - - - STOCKPORT, Eng.

(Cut will be inserted as soon as received.)

HIGH-CLASS CYCLES.

CYCLE
MANUFACTURERS.



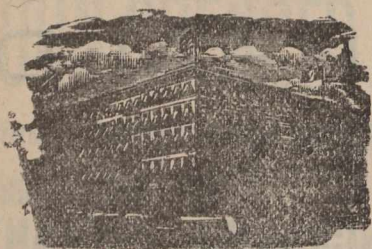
MOTOR CAR
MANUFACTURERS.

SOLE MAKERS

Wm. Sellers & Sons,

- KEIGHLEY,
England.

Leading Hotels in Canada:



ROSSIN HOUSE, TORONTO, Canada.

A. Nelson, Proprietor.

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

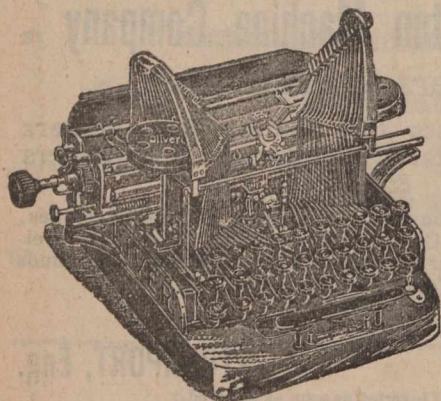
A. NELSON, Proprietor.

**THE RUSSELL,
OTTAWA.**

THE PALACE HOTEL OF CANADA.

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

F. X. ST. JACQUES, Propr.



YOUR ATTENTION!

THE OLIVER . .

Free Type Bar

Visible Writing

TYPEWRITER.

Price in Canada & United States,

→ \$95.00 ←

LINOTYPE COMPANY,

156 St. Antoine Street,

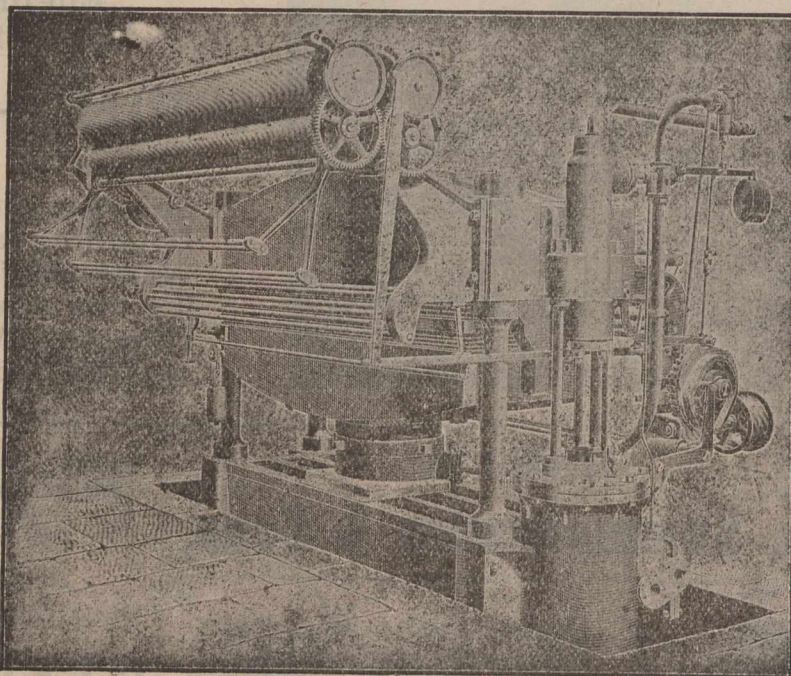
MONTREAL.

Manufacturers for

CANADA AND SOUTH AMERICA.

By H. M. NUSSEYS & LEACHMAN'S PATENT PRIZE MEDAL
Royal Letters Patent.

Pressing and Tentering Machines.



MAKERS W. B. LEACHMAN & CO.,
EXCEL WORKS,

Great Wilson Street, LEEDS, ENGLAND.

THIS LITTLE TRADE MARK



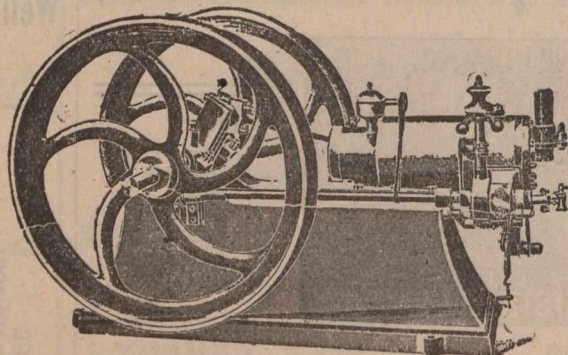
ON A SAW GUMMER

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

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

New Patent Gas Engine.

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



Ignition Tube and

SPETCH & THOMAS,

SOLE MAKERS;

Paragon Engine Works, Longside Lane,
BRADFORD, ENGLAND.

SPECIAL TERMS TO CANADIANS UNDER THE NEW TARIFF.

WILLIAM ATKINS & Co., LIMITED.

Telegraphic Address:
"RELIANCE, SHEFFIELD."

Corporate Trade Mark.



ATTERCLIFFE,

RELIANCE STEEL WORKS,

Sheffield, England.

Manufacturers of all kinds of Crucible

CAST STEEL

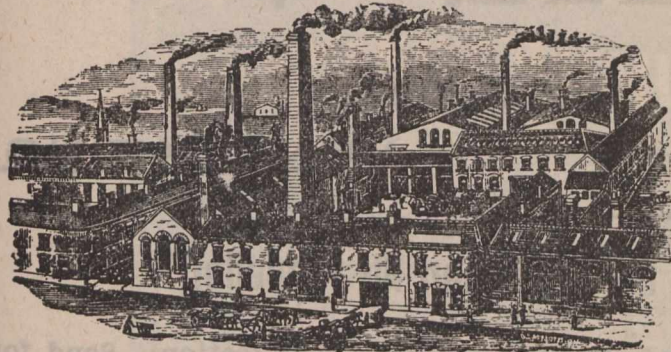
For Engineers, Shipbuilders, Boilermakers and other purposes.

SPECIAL DRILL STEEL

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

TOOL STEEL

For Turning Chilled Rolls, or any Hard Metals.



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

Special terms to Canadians under the New Tariff.

Roger Brighthouse,

Contractor to His
Majesty's Government

15 Sugar Lane,
MANCHESTER, Eng.

Manufacturer of all kinds of

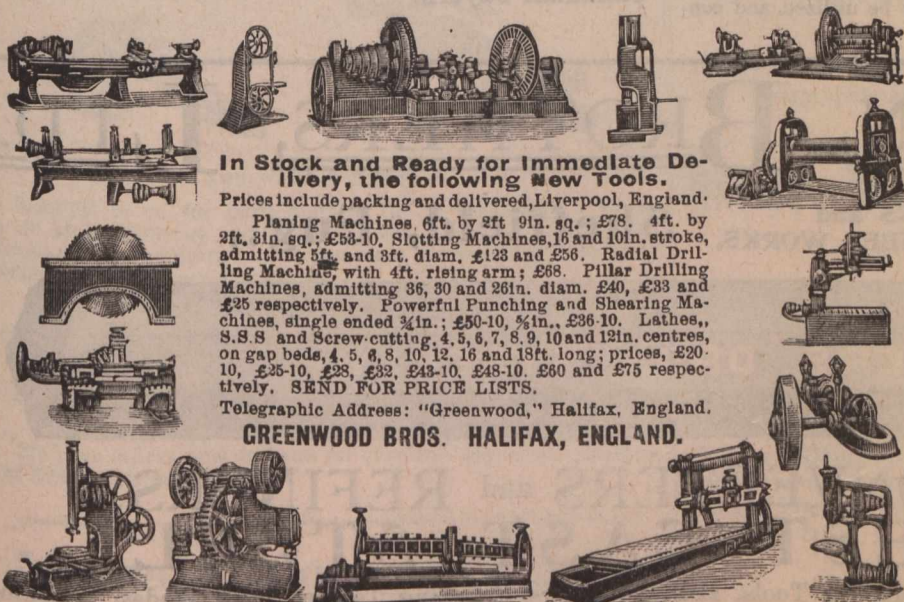
Ropes & Twines, Cotton Banding, Engine Yarns, Hemp & Cotton Gaskins, &c.

Heald, Dobby & Jacquard Cords a Speciality.

COTTON DRIVING ROPES,

Also Hessians, Oil-Cloth and Waterproof Packing.

Special Prices to Canadians under the New Tariff.



In Stock and Ready for Immediate Delivery, the following New Tools.

Prices include packing and delivered, Liverpool, England.
Planing Machines 6ft. by 2ft 9in. sq.; £78. 4ft. by 2ft. 3in. sq.; £58-10. Slotting Machines, 16 and 10in. stroke, admitting 5ft. and 3ft. diam. £128 and £56. Radial Drilling Machines, with 4ft. rising arm; £68. Pillar Drilling Machines, admitting 36, 30 and 26in. diam. £40, £33 and £25 respectively. Powerful Punching and Shearing Machines, single ended 3/4in.; £50-10, 1/2in.; £36-10. Lathes, S.S.S. and Screw-cutting, 4, 5, 6, 7, 8, 9, 10 and 12in. centres, on gap beds, 4, 5, 6, 8, 10, 12, 16 and 18ft. long; prices, £20-10, £25-10, £28, £32, £45-10, £48-10, £60 and £75 respectively. SEND FOR PRICE LISTS.

Telegraphic Address: "Greenwood," Halifax, England.

GREENWOOD BROS. HALIFAX, ENGLAND.

Special prices to Canadians under the New Tariff



A Good Line



Speaking of Printing
"KEYSTONE"
suggests itself at once.

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

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

Customers realize the advantage of the boxes.

Send for figures
on your next lot.

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

*** BLACKMAN'S ***

Patent Power Ventilating

*** WHEEL. ***

HEATING.

COOLING.

DRYING.

VENTILATING.

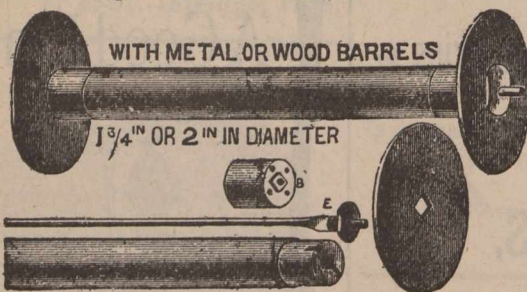
14 Highest Awards Given to the Blackman Air Propellor.

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

MILLER BROS. & TOMS, - Agents, - MONTREAL

JOHN KAY,

Machinist and Mill Furnisher,
Crown Works, Walker St., - **ROCHDALE, Eng^d**
PATENT CONDENSER BOBBIN.



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

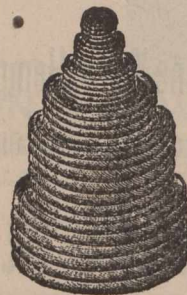
Garnock, Bibby & Co.,

Limited.

Steel Wire and Hemp
Rope Manufacturers,

LIVERPOOL, - ENGLAND,

Contractors to the Admiralty and
War Office.



DRIVING ROPES.

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

ATKINSON BROTHERS, LTD.,

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



MINERS DRILL STEEL

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

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

... FOR

TELEGRAMS "RIVET SHEFFIELD" NATIONAL TELEPHONE 761.

HENRY COOPER & CO

MAKERS OF

RIVET MAKING MACHINES

AS SUPPLIED TO THE
RUSSIAN & JAPANESE GOVERNMENTS
DRAWINGS & PARTICULARS ON APPLICATION

ALSO
MAKERS
OF

STEEL & IRON RIVETS

TO STAND TESTS OF
ADMIRALTY, BOARD OF
TRADE, LLOYDS, INDIA
OFFICE & C.

WHEEL VALVES
SIGHT FEED
LUBRICATORS
WATER GAUGE
FITTINGS
MARINE
LUBRICATORS
FUSIBLE
PLUGS & C.

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

STEAM & HYDRAULIC COCKS

VULCAN RIVET & BRASS WORKS
SHEFFIELD ENGLAND




Contractors to the British Admiralty and India Office.

H. Charlton & Co.,

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

YOU WANT ANCHORS?

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



YOU WANT FANS?

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

Sole Manufacturers of

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

For the Improved Martin's Anchor Company, Limited London.
We have orders now in hand for over 300 tons of our Anchors for British Admiralty alone.

Journal of Commerce Job
Department for Printing.

T. J. HAYES,

Special Attention paid to Export Orders.
Maker of every description of



Wire Mattresses.

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

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

(Cut will be inserted as soon as made.)

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

Rigby, Wainwright & Co.,

Manufacturers, Railway
...And Government Contractors

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



NEPTUNE WORKS

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



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

YOUR PRINTING.

Watch Your Mail Bag

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



If it is STATIONERY you want we suggest

"Keystone"

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

Write.

By return mail we'll give you an estimate.

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

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



Telegrams: "Kershaw Brothers, Hebden Bridge."

National Telephone: 1214.

KERSHAW BROTHERS,

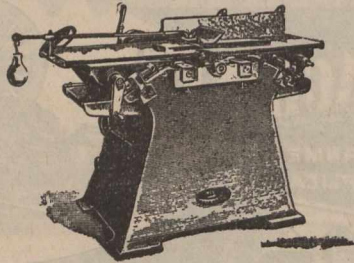
SAW-MILL ENGINEERS
and WOOD-WORKING MACHINISTS, Etc.

RAILWAY
IRON WORKS,

Hebden Bridge, via Manchester, Eng.

MAKERS OF HIGH-CLASS

Wood - Working Machinery



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

ESTABLISHED 1846

JOSEPH GREEN & NEPHEW

"Globe Iron Works,"

TELEGRAPHIC ADDRESS: "GREEN-NEPHEW" LEEDS LEEDS ENG.

MANUFACTURERS OF ALL KINDS OF HAND & STEAM POWER

WOOD WORKING MACHINERY

TENONING TOOL. £2.0.0

BORING APPARATUS £1.5.0

PRICE £ 8.0.0

PRICE £ 22.10 COMPLETE AS ABOVE

DRAWINGS & FULL PARTICULARS ON APPLICATION

LIBERAL DISCOUNT TO MERCHANTS & SHIPPERS

ALL MACHINES ARE OF THE BEST MATERIALS HIGH CLASS WORKMANSHIP & FINISH & THOROUGHLY TESTED BEFORE LEAVING THE WORKS

Tel. Address: "HYDRAULIC, LEEDS."

National Telephone: No. 214.

HYDRAULIC MACHINERY

OF EVERY DESCRIPTION.

R. MIDDLETON,

SHEEPSGAR, LEEDS, Eng.

Hydraulic and General Engineer.

Accumulators, Steam and Power Pumps, Passenger and Goods Lifts of all descriptions, Hydraulic Presses for all Purposes, Valves, &c.

London Agent—E. C. AMOS, 20 Bucklersbury, E.C., Eng.

Codes Used—Lieber and A.B.C. 4th Edition.

Insurance.

The Federal Life ASSURANCE COMPANY.

HEAD OFFICE, HAMILTON, CANADA.

Capital and Assets - - - - \$2,319,925.58
 Surplus to Policyholders - - - 1,029,075.64
 Paid Policyholders in 1901 - - 182,925.67

MOST DESIRABLE POLICY CONTRACTS.

DAVID DEXTER,
 President and Managing Director.
 J. K. McCUTCHEON,
 Sup't. of Agencies.

H. RUSSELL POPHAM, Provincial Manager.

"The amalgamation of the Manufacturers Life and Temperance and General Life Assurance Companies has proved to be one of the most successful ventures ever attempted in Canadian Insurance Circles."

Write for Annual Report for 1901 of
THE MANUFACTURERS LIFE INSURANCE COMPANY

(Formerly The Manufacturers Life and Temperance and General Life Insurance Companies)

Hon. G. W. ROSS, J. F. JUNKIN,
 President, Managing Director.

Head Office—Toronto.

Scottish Union and National INSURANCE COMPANY.

Of Edinburgh, Scotland.

ESTABLISHED 1804.

M. BENNETT, Jr., Gen. Manager North American Branch, Hartford, Conn
 Capital\$30,000,000 | Invested Funds.....\$13,500,000
 Total Assets 34,472,795 | Deposited with Dom. Govt., 125,000
 (Market value.)

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

POLICYHOLDERS AND AGENTS ALIKE PROFIT BY A GOOD SELECTION.

The unexcelled financial position of the Company, its large surplus; its handsome dividends; its liberal policies; and its promptness in paying all legitimate claims make THE NORTH AMERICAN LIFE a most desirable Company for both.

Active men who will become active agents will find it to their interest to represent

THE NORTH AMERICAN LIFE

112-118 King St., W., Toronto.

L. GOLDMAN, Wm. McCABE,
 Secretary, Managing Director

Messrs. AULT & McCONKEY,
 Managers for Province of Quebec.
 Royal Insurance Building, Place d'Armes Sq.,
 MONTREAL.

Saxe & Archibald, ARCHITECTS

Room 79, Imperial Building
MONTREAL.

Insurance.

British * America ASSURANCE COMPANY.

HEAD OFFICE, - - - TORONTO,

Incorporated 1833.

FIRE AND MARINE.

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

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

JUSTICE and SATISFACTION

in dealing with both Agents and Policy-holder — fairness coupled with invariable honesty of purpose. These are the endeavors of the management of the Union Mutual in all transactions.

And Promptness is another Home Office motto—prompt answering of letters, prompt issuing of policies, prompt settlement of claims. Always a place for reliable, capable Agents.

Union Mutual Life Insurance Co.,

Portland, Maine. INCORPORATED 1848.

FRED E. RICHARDS, President.
 ARTHUR L. BATES, Vice President.
 Address:—HENRI E. MORIN, Chief Agent for Canada,
 151 St. James St., Montreal, Canada.
 For Agencies in the Western Division, Province of Quebec and Eastern Ontario apply to WALTER I. JOSEPH, Manager, 151 St. James St., Montreal.

(FOUNDED 1825.)

Law Union & Crown Ins. Co.,

(OF LONDON.)

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

Fire risks accepted on most every description of insurable property.

Canadian Head Office: BEAVER HALL, MONTREAL
 J. E. E. DICKSON, Manager.
 Agents Wanted throughout Canada.

OILS.

The IMPERIAL OIL COMPANY, Ltd.

—REFINERS AND MANUFACTURERS OF—

CANADIAN PETROLEUM PRODUCTS,

Under New Patent Process

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

Refineries: SARNIA and PETROLIA, Ont.

Branches:

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

—SELLING AGENTS FOR PROVINCE OF ONTARIO—

The QUEEN CITY OIL COMPANY, Limited,

Head Office: TORONTO, Ont.

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

NEW YORK LIFE

INSURANCE COMPANY.

JOHN A. McCALL, President;

Gain in Insurance in force 1901
\$168,000,000

AN UNPARALLELED RECORD.

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

WESTERN CAN. BR., 486½ Main St., Winnipeg, Man.
N. B. BR., 120 Prince William St., St. John, N. B.
TORONTO BRANCH, 6 King St., West, Toronto, Ont.
HALIFAX BR., Barrington and Prince Sts.

G. F. JOHNSTON,

AGENCY DIRECTOR,

Company's Building, MONTREAL

J. DUNCAN DAVISON

Imperial Bdg. 107 St. James Street,
Montreal.

COMMISSIONER

For Following Provinces:

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

LIVERPOOL & LONDON & GLOBE

INSURANCE COMPANY.

Available Assets, - - \$61,187,215

Funds Invested in Canada, - \$3,800,000

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

Canada Board of Directors:

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

Head Office, Canada Branch:

MONTREAL.

THE WATERLOO MUTUAL

Fire Insurance Company.

Established in 1863. Head Office, Waterloo, Ont.

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

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

UNCONDITIONAL POLICIES

ARE ISSUED
BY THE . . .

CONFEDERATION LIFE ASSOCIATION.

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

Full information sent on application.

H. J. JOHNSTON,

Prov. Manager,

174 ST. JAMES ST.,
MONTREAL.

W. C. MACDONALD,
Actuary.

J. K. MACDONALD,
Managing Director.

Head Office, - TORONTO.

Royal - Victoria Life Insurance Co

OF CANADA

CAPITAL, \$1,000,000.00

Progress in 1901 over Previous Year.

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

Progress to March 31st, 1902.

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

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

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

General Manager.

WESTERN ASSURANCE COMPANY.

FIRE AND MARINE. Incorporated 1851.

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

Head Office, - Toronto, Ont.

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

C. C. FOSTER, Secretary.

Montreal Branch, - - 189 ST. JAMES STREET.

ROBT. BICKERDIKE, Manager.

ROUTH & CHARLTON, City Agents.

THE IMPERIAL

INSURANCE COMPANY LIMITED

FIRE.

LONDON.

ESTABLISHED 1808.

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

Canadian Branch:

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

G. R. KEARLEY, RESIDENT MANAGER.

NATIONAL ASSURANCE COMPANY OF IRELAND.

ESTABLISHED 1822.

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

Canadian Branch:

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

H. M. LAMBERT, - MANAGER.

B. S. & W. WHITELEY

Press
Paper
Manufacturers,

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

DISTINCTIVE QUALITIES

—OF—

North Star, Crescent
and Pearl Batting.

Purity, Brightness, Loftiness.

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

COMMERCIAL UNION

ASSURANCE CO., Ltd.,

Of London, England.

FIRE LIFE MARINE

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

HEAD OFFICE, Canadian Branch, - MONTREAL.

JAMES MCGREGOR, Manager.