

THE CANADIAN

TRADE REVIEW

FINANCE AND INSURANCE RECORD

DEVOTED TO THE MANUFACTURING INTERESTS OF THE DOMINION.

Vol. XXXII.—No. 26. MONTREAL, FRIDAY, MAY. 23. 1902

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

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BOARD OF DIRECTORS:
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 W. S. CLOUSTON, Inspector of Branch Returns.
 F. W. TAYLOR, Assistant Inspector.
 JAMES AIRD SECRETARY.

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IN GREAT BRITAIN.

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 Chicago—Bank of Montreal, J. W. DE C. O'Grady, Manager.

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

BANKERS IN THE UNITED STATES.

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 " The Bank of New York, N.B.A.
 " National Bank of Commerce of New York.
 Boston—The Merchants' National Bank.
 J. B. Moors & Co.
 Buffalo—The Marine Bank, Buffalo.
 San Francisco—The First National Bank.
 " The A. California Bank.
 Montreal, April 31, 1922.

IMPERIAL BANK OF CANADA.

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

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 William Ramsay, T. Sutherland Stayer
 Robert Jeffrey, Elias Roger, Wm. Hendrie.

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 E. HAY, Assistant General Manager.
 W. M. OFFAT, Chief Inspector.

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

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 Calgary, Alta., Rosheim, Sask.
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 Golden, B.C., Vancouver, B.C.
 Nelson, B.C., Winnipeg, Man.
 Prince Albert, Sask.

AGENTS.

London, Eng.—Lloyds Bank Limited.
 South Africa—Standard Bank of South Africa, (Limited).
 New York—Bank of Montreal, Bank of America, Bank of the Manhattan Co.

Union Bank of Canada

Capital Paid up.....2,000,000
 Reserve Fund..... 550,000

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 F. W. S. CRISP.....Assistant/Inspector

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 Carberry, Man., Moosomin, N. W. T.
 Carleton Place, Ont., Morson, Man.
 Carman, Man., Neepawa, Man.
 Crystal City, Man., Norwood, Ont.
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 Glenboro, Man., Quebec, Que.
 Gretna, Man., " (St. Lewis St.)
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 Hartney, Man., Shelburne, Ont.
 Hastings, Ont., Smith's Falls, Ont.
 Holland, Man., Souris, Man.
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 SAN FRANCISCO, - - - - - The Marine Bank.
 MINNEAPOLIS, - - - - - National Bank of Commerce.
 ST. PAUL, - - - - - St. Paul National Bank.
 GREAT FALLS, MONT., - - - - - First National Bank.
 CHICAGO, ILL., - - - - - Commercial National Bank.
 DETROIT, MICH., - - - - - First National Bank.

EASTERN TOWNSHIPS BANK.

Established 1859

Capital Authorized, - - - \$2,000,000
 Capital paid up, - - - - - 1,742,535
 Reserve Fund, - - - - - 1,050,000

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 Wm. FARWELL, General Manager

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 Province of B.O.: Grand Forks, Phoenix.
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 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.

LA BANQUE NATIONALE.

HEAD OFFICE, QUEBEC.

Capital Paid up.....\$1,200,000
 Rest..... 275,000
 Undivided Profits..... 54,788 91

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 A. B. Dupuis.....Vice-President.
 Hon. Judge Chauveau.....

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 V. Chateaufort, J. B. Laliberté,
 P. Lacombe, Manager, N. Lavoie, Inspector.

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 " (St. John's St), Joliette, Que.
 Montreal, St. John's, P. Q.
 Ottawa, Ont., Rimouski, P. Q.
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 Roberval, P. Q., Castook, Que.
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 Reserve Fund, - - - - - \$2,150,000.00

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 S. H. EWING, - Vice-President.

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 Jas. P. O'Leary, H. Markland Molson,
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JAMES ELLIOT, Gen. Manager.

A. D. DURNFORD, Chief Inspector and Superintendent of Branches.

W. H. DRAPER, Inspector.

H. LOCKWOOD, Assistant Inspector.
 W. W. L. CHITPMAN, Assistant Inspector.

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 Brockville, " " St. Brancoli, Sorel, P.Q.
 Calgary, Alta., Market & Her St. Thomas, Ont.
 Chesterville, O., hour branch, Toronto, Ont.
 Clinton, " Jacques Cartier, Toronto, Ont.
 Exeter, " er Square, Toronto, Ont.
 Fraserville, Q., Norwich, Ont., Trenton, " Ottawa, " Vancouver, B.O.
 Hamilton, Ont., Victoria, " Hensall, " Owen Sound, " Kingsville, " Port Arthur, On Waterloo, Ont.
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 Meaford, Ont., Ridgeway, Ont.
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 Ireland—Munster and Limerick Bank Limited.
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 China and Japan—Hong Kong and Shanghai Banking Corporation.

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 Reserve..... 45,000

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Capital Authorized\$1,898,000.00
 Capital Paid up 1,888,530
 Res. 850,000.00
 Profit and loss account..... 16,996.04

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Capital Paid-up..... \$500,000
 Reserve Fund..... 400,000

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of this Institution, and that the same will
be paid at the Bank and its Branches on
and after Monday the Second day of June
next.The transfer books will be closed from
the 17th to the 31st May both days
inclusive.The Annual General Meeting of the
shareholders will be held at the Boarding
House, in this city, on**TUESDAY, the 17th day of
JUNE next.**The chair will be taken at
12 o'clock noon.

By order of the Board,

C. MCGILL, General Manager.

Toronto, April 17th. 1901.

Bank of Hochelaga,**NOTICE OF DIVIDEND.**Notice is hereby given that a dividend
of THREE AND ONE-HALF PER CENT.
(3½ p.c.) for the current half-year, at the
rate of SEVEN PER CENT. (7 p.c.) per
annum, has been declared on the paid up
capital of this institution and that the
same will be payable at its head office in
Montreal and at its branches, on and after
Monday,**the second day of June next.**The transfer books will be closed from
the seventeenth (17) to the thirty-first (31)
of May next, both days inclusive.The annual general meeting of the
shareholders will be held at the head
office of the bank on Monday the sixteenth
(16) day of June next. The chair to be
taken at noon.

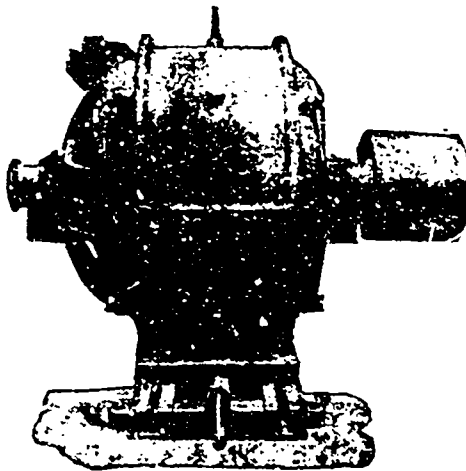
By order of the Board,

M. J. A. PRENDERGAST,

General Manager.

**ELECTRICAL & GENERAL
ENGINEERING COMPANY.****17 Gracechurch Street, London, E.C.,
ENGLAND.**

Telegrams:—"Installing, London."

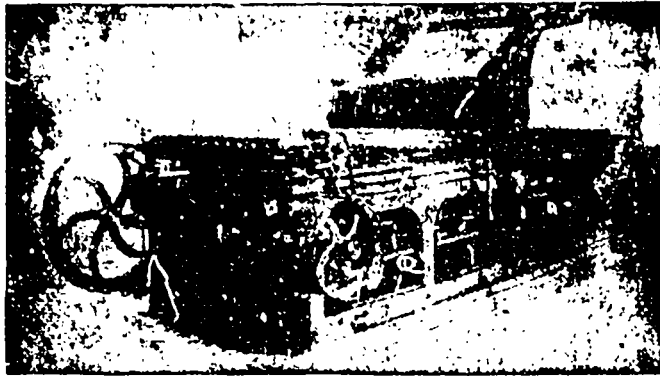
**Imperial Electric Supplies,
LIMITED.
HIGH GRADE INCANDESCENT LAMPS.****SWITCHES,
CUT-OUTS,
and
Electrical Accessories.**

Send for Pamphlet giving full particulars.

Representatives in Canada, Messrs. The
**R. E. T. PRINGLE Co. Ltd., Craig St.,
Montreal,** to whom all communications should
be addressed.**86 Charing Cross Road, W.C.,****London, ENGLAND.**

33½ p.c. in favor of these goods.

JOHN RATCLIFF & SONS, Junction Foundry, Wortley, Leeds, ENGLAND.



Telegrams:—"RATCLIFF" Wortley, Leeds.

Makers of the—

"RELIABLE" Improved Litho Machines. COLLOTYPE Machines. LITHO and COPPER PLATE Presses. COLOUR-GRINDING MILLS. COLOUR MIXERS. STONE-GRINDING Machines. VARNISHING Machines and BRONZING Machines. TIN-PRINTING Machines.

ORNAMENTAL & CONSTRUCTIONAL CAST IRON WORK.

Verandahs, Balconies, Electric Pillars, Gable Pipes and Gutters, Bandstands, Pavilions, Covered Ways, Fountains, Stairs, Columns, Brackets, Gates and Railings, Urinals, Water Close. Ranges, Rain Water and Soil Pipes— (Galvanized, coated or Glass-Enamelled). Dam pipes, Stable Fittings. Sole Makers of Patent Corrugated Rooflight. Manhole Covers and Frames in great variety.

DAVID KING & SONS, Keppoch Iron Works, Glasgow, SCOT.

Telegrams: "KING, GLASGOW," P. B. C. Code used, 4th Edn.

EXPORTERS OF GENERAL CASTINGS.

CATALOGUES AND PRICE LISTS ON APPLICATION.

Specialities—"King's Lavril Pipe. King's Patent Detachable Joint. King's Improved Desk and Seat Stand. King's Improved Ears. King's Baths—Metallic, Porcelain or Vitreous Enamelled. Hot Water Pipes with Patent Joint.

Pure Cashmere & Camel Hair.

JOSEPH DAWSON,

Manufacturer of :- -

TOPS, NOILS & CARDING.

Quotations Furnished on Application.

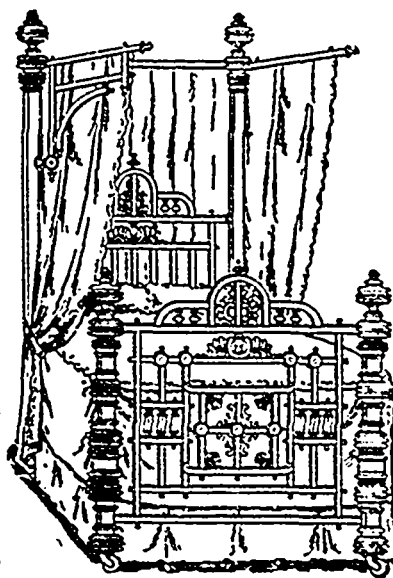
Telegrams:—"Vicuna," Bradford.

Cashmere Works, Bradford, ENGLAND.

J. T. PETFORD, LTD.

The Bedstead Works, Haigh Foundry, WIGAN, - - ENGLAND.

(Special Terms to Canadians under the New Tariff).



Manufacturer of all kinds of BRASS and IRON BEDSTEADS, BED CHAIRS, COTS, FOLDERS, WIRE MATTRESSES, HOLLOW WARE. For Home or Export.

GRAVING DOCK 540 FT. LONG, 25 FT. WATER ON SILL.

Thoroughly equipped with facility for repairing Large Steamers,
The SLIPWAYS are each 1,000 feet long, capable of taking
up vessels up to 3,000 tons gross register.



Splendid
Mooring accom-
modation for Vessels
alongside the Company's Works,

Extensive ENGINE and BOILER SHOPS, fitted
up with every modern contrivance
and facility for the rapid and
economical execution of
Repairs,

The Company have devoted considerable atten-
tion to Oil Fuel Burning arrangements, and have com-
pleted several installations for Vessels using Liquid Fuel.

**WALLSEND,
NEWCASTLE-ON-TYNE, ENG.**

THE WALLSEND SLIPWAY & ENGINEERING CO., LTD.,
Engineers and
Boiler Builders.



J. H. PECK & Co., Ltd.

WIGAN - - ENGLAND.

ESTABLISHED 1808.

Manufacturers of

**Waterproof Cart, Wagon and Stack Sheets,
Horse Cloths, Binder Twine, &c.**



**High-class Passenger and
Cargo Vessels.**

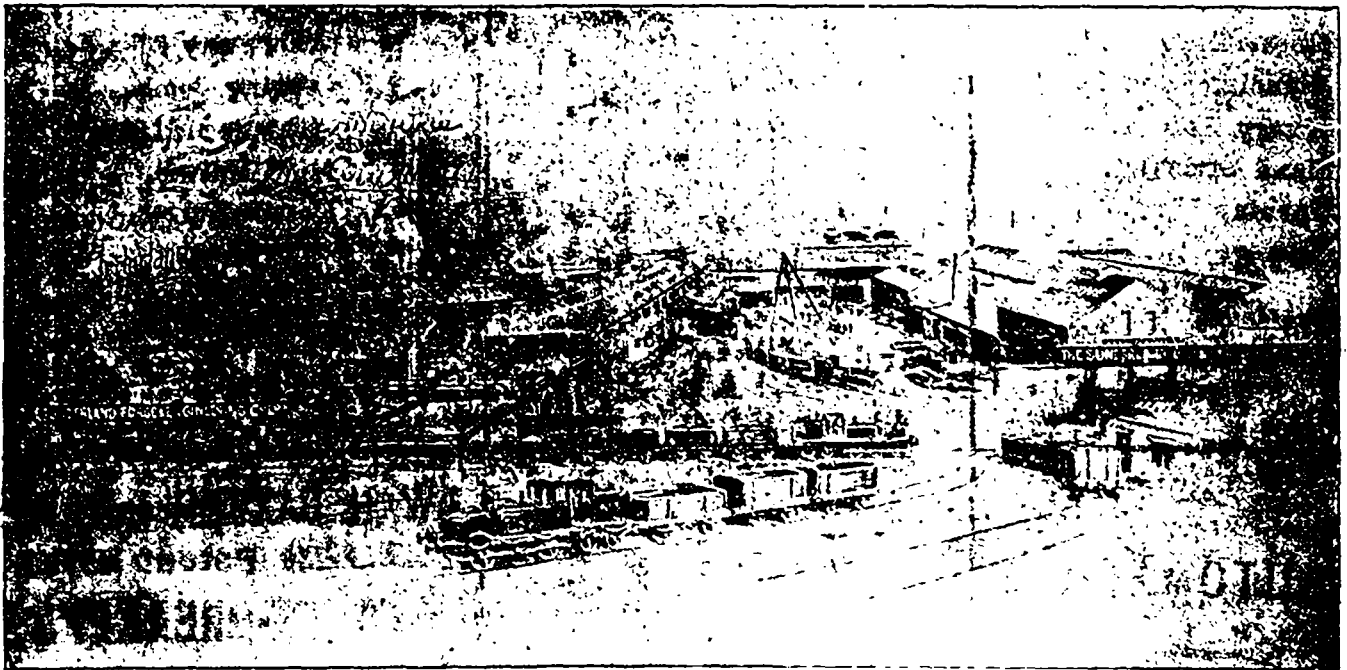
**Annual output capacity
of new vessels
45,000 gross
register
tons.**

JOSEPH L. THOMPSON & SONS, LTD.,
NORTH SANDS SHIPBUILDING YARD & MAJOR QUAY REPAIRING WORKS.
Sunderland, England.
"THOMPSONIAN, SUNDERLAND."

Telegraphic Address :

**Deep
Water Quay
690 feet long.
SPECIAL STAFF
KEPT FOR REPAIRS,
ETC.**

**Estimates given for every
description of new work and repairs.**



From a Photograph of a general view of the works of the Sunderland Forge and Engineering Co., Ltd., Sunderland, England.

Manufacturers of

Forge Department:

**Ship and Engine Forgings
Up to 25 Tons
in One Piece.
Single Plate Rudder Frames a Speciality.**

Electrical Department:

**Continuous Current Generators and Motors for
all Purposes.
Patent Portable Electric Circular
Saw Benches.
Electric Winches, Cranes, Hoists, &c. &c.**

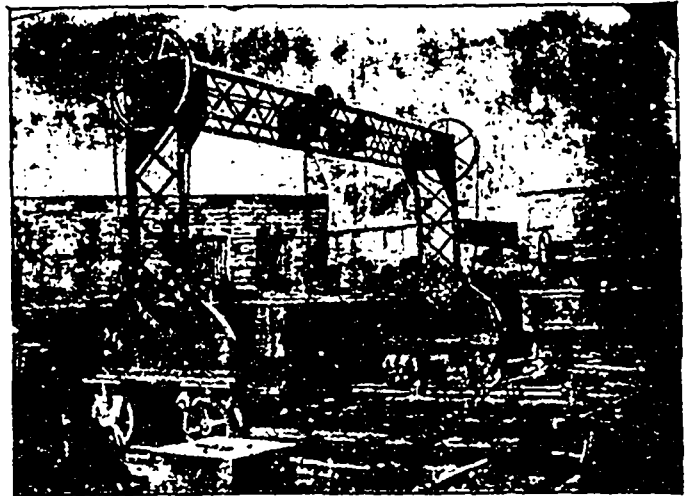
THE WHESSOE FOUNDRY COMPANY LIMITED

Gas Plant Manufacturers.

ESTABLISHED 1790.

Oil Refining Plants.

STEEL FRAMED LIFTING
APPARATUS FOR PURI-
FIER COVERS 20 FT.
SQUARE MADE AND
ERECTED BY
THE WHESSOE FOUNDRY CO. LTD.



WORKS: DARLINGTON, ENGLAND.

London Office: 28 Queen Street, E.C.

OTTAWA (CANADA) GAS COMPANY.

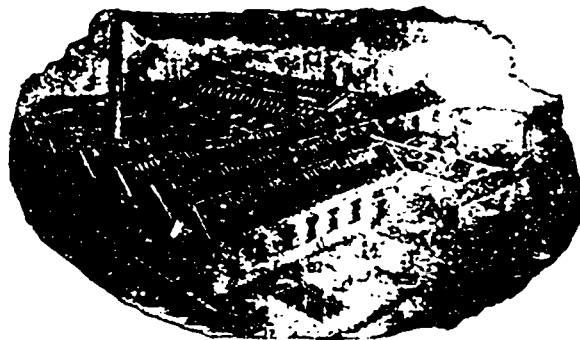
HEARL HEATON AND SONS.

Established 1809.

Telegraphic Address:—
"HEATON, Liversedge."

GROWN WORKS, Liversedge, Yorkshire. ENGLAND.

Grooved Emery Fillet.
Grinding Frames.
Emery Rollers.
Hand Strickles.
Turning Rests.
Traverse Motions.



Plain Emery Fillet.
Doffing Combs.
Cleaning Plates.
Noil Knives.
Comb Knives.
Dividers.

THE BEST RESULTS in Card Grinding are obtained by using

HEATON'S SPECIAL EMERY COVERING,

For Grinding all Classes of Cards for Worsted, Woollen, Cotton, &c.

BOTTERILL'S Patent

AUTOMATIC SAFETY HOIST GATE.

over 2,000 working.
(Four Separate Patents).

Can be applied to any Existing Hoist.

Maker of:—

HOISTS OF EVERY DESCRIPTION

.. Sole Patentee and Maker ..

JOHN BOTTERILL,

Washington Street, Kirkstall Road,
LEEDS, ENGLAND.



Special Prices to Canadians under the New Preferential Tariff.

W. H. BAXTER, Ld., LEEDS KNAPPING (Patent) MOTION STONE-BREAKERS

SELECTED at the ROYAL SHOW
BIRMINGHAM, 1888, at £160 more than
the price of another Exhibitor's, same size,
which Exhibitor's the Buyer had previous-
ly used, as well as one of Baxter's recently
supplied.

SOLELY SELECTED at ALL Agricultural
Shows and Exhibitions by Corporations
for breaking stones for macadam for
18 YEARS.

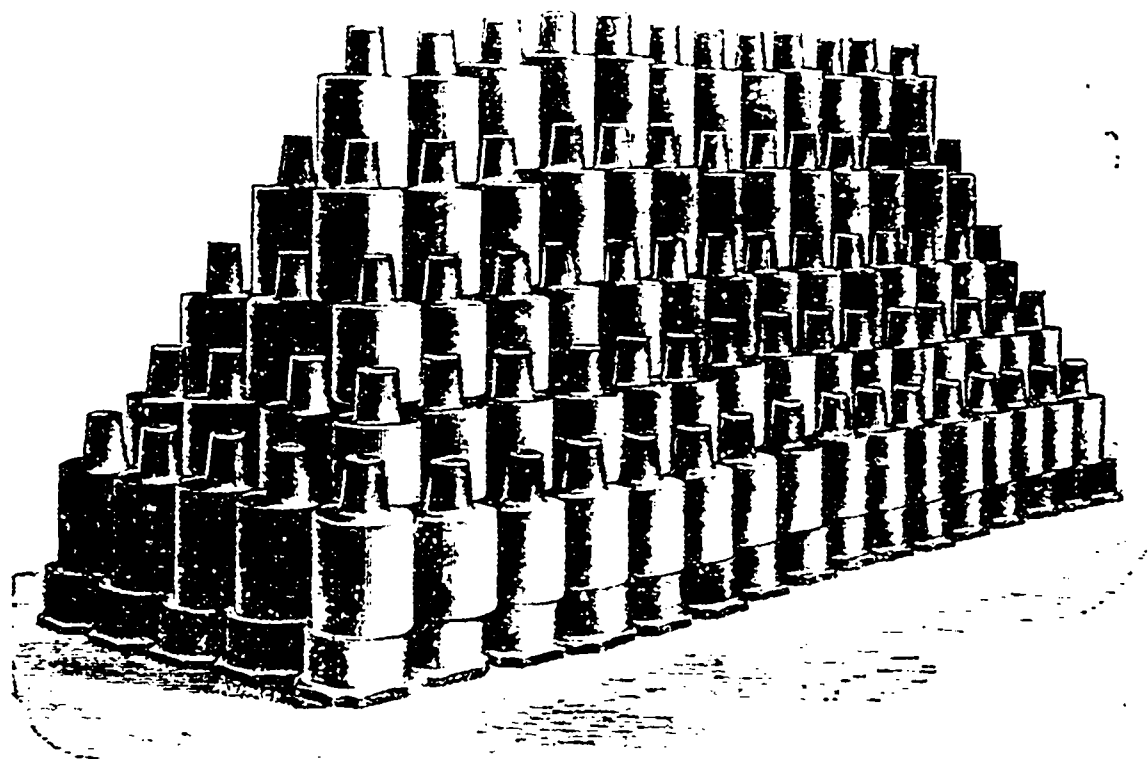
THE ONLY OFFICIAL TEST TRIAL
OF STONE-BREAKERS UNDER
EQUAL CONDITIONS

Baxter's 16 by 9 broke 28 Cubic feet of hard
Boulder in 5 minutes, running at 289 revolutions
per minute.

The Patent Improved Blake, 16 by 8 advertised
Jover Beaton, broke 8½ Cubic feet in
5 minutes, running at 313 revolutions per minute.

SANDYCROFT SHOES AND DIES

For Gold Stamp Mills.
OF
SPECIAL TOUGH HARDENED FORGED STEEL.



MADE OF ANY SIZE OR SHAPE.

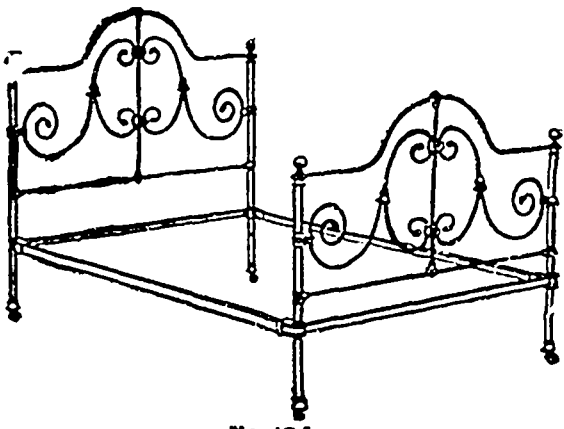
THESE SHOES AND DIES ARE ACKNOWLEDGED TO BE
The Best THAT ARE MADE.

PRICES ON APPLICATION:

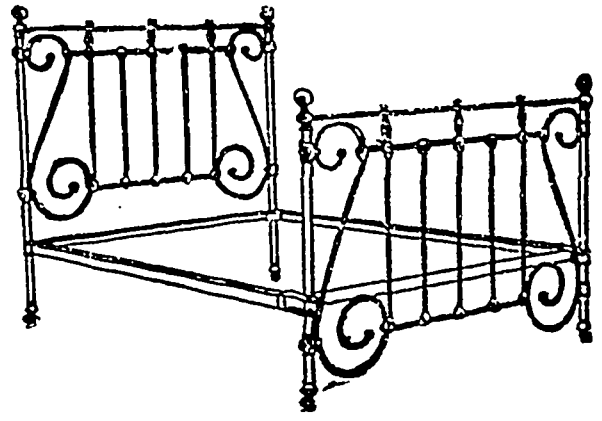
THE SANDYCROFT FOUNDRY Co., LIMITED.

Telegrams--"SANDYCROFT," Hawarden.

CHESTER, ENGLAND.

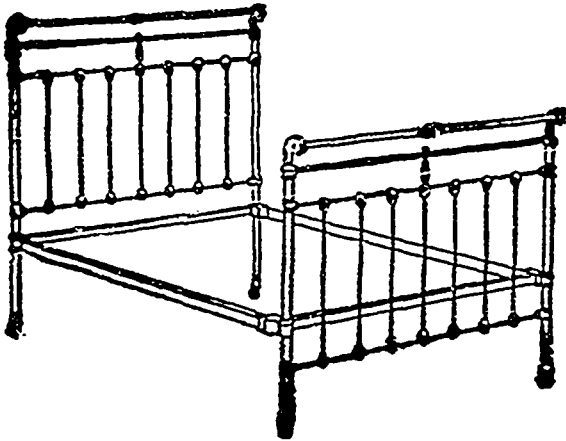


No. 104.

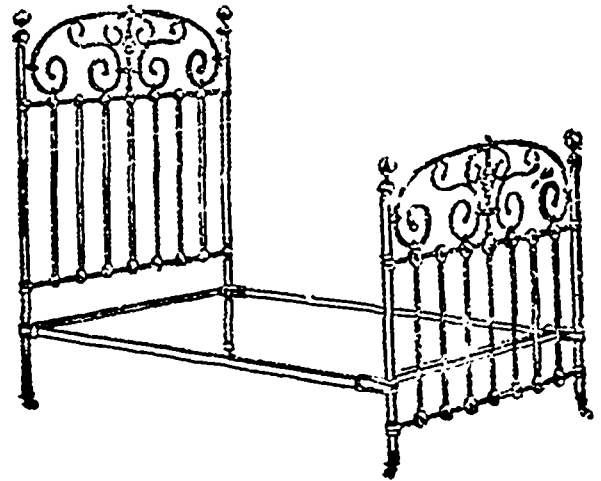


No. 207.

NEW & SELECT STYLES STEEL, ENAMELLED & BRASS BEDSTEADS.



No. 1108.



No. 325.

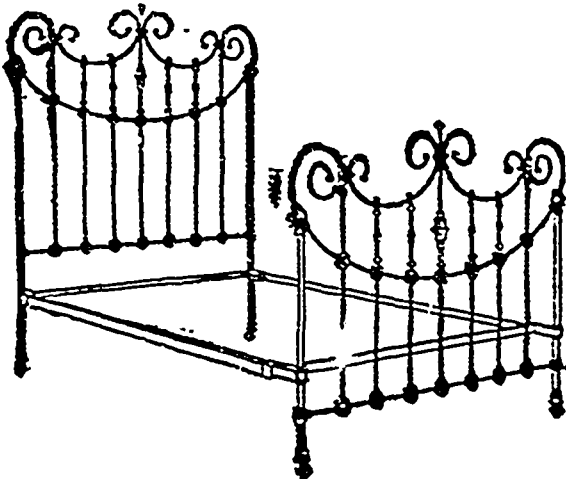
We claim to be the oldest manufacturers on the continent, and for twenty-five years the sole manufacturers in the Dominion.

Recent additions to plant and premises put us in a position to meet competition from any quarter, either as regards price, style or finish.

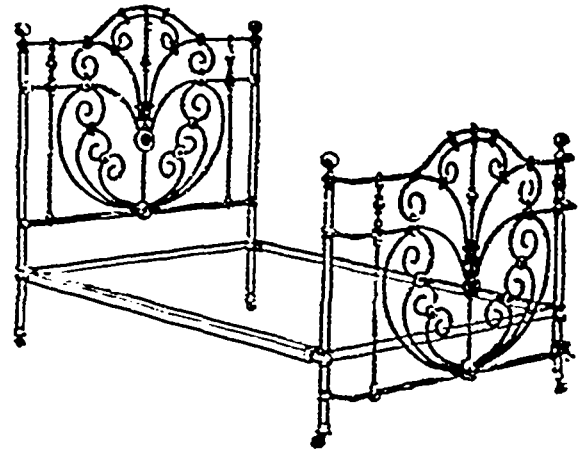
No experiment with us. No bad-fitting joints. All

beds well proportioned, and enamelled and lacquered in the best manner.

We are now manufacturing an extensive line of ALL BRASS BEDS, finished in the finest possible manner, and we defy competition in this line. We carry a large stock of the most desirable patterns at all times, and can make prompt shipments. Our beds are quick sellers and carried by the most progressive dealers. Inspection solicited



No. 330.



No. 240.

H. R. IVES & CO.

Catalogues on application.
To the Trade only.

Manufacturers, MONTREAL, CANADA.

CLAYTON SON & CO^Y

MAKERS OF

WORKS LEEDS. ENG.

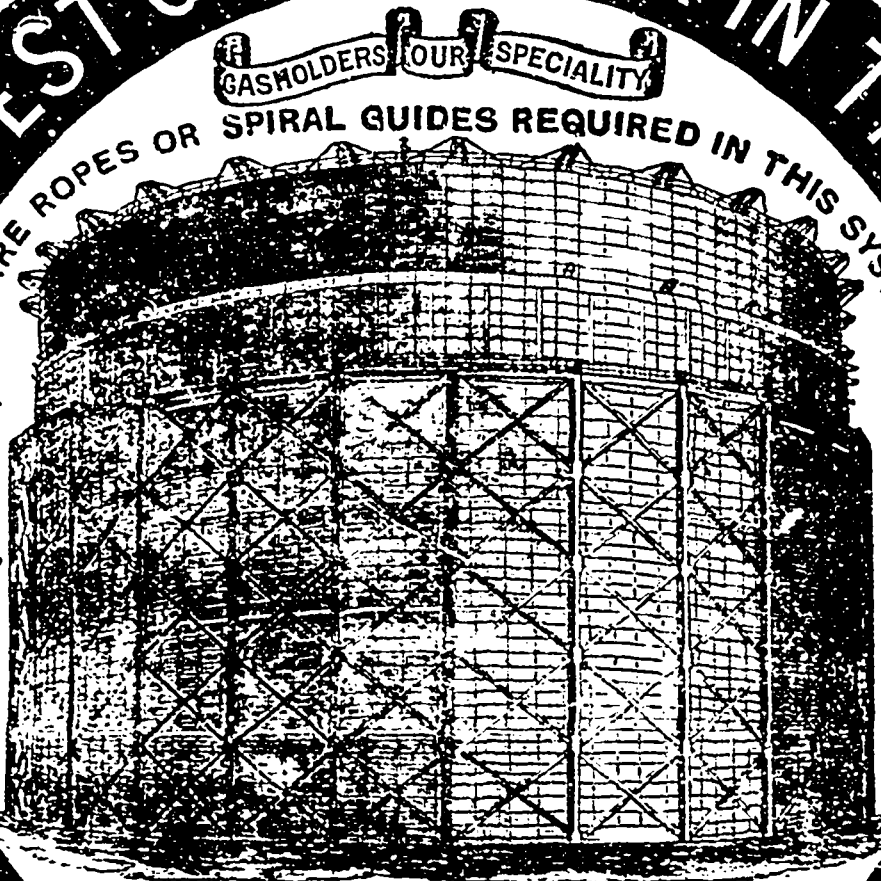
THE LARGEST GASHOLDER IN THE WORLD.

12 MILLION CUBIC FT.

GASHOLDERS OUR SPECIALITY

NO WIRE ROPES OR SPIRAL GUIDES REQUIRED IN THIS SYSTEM.

INFINITELY SAFER AND LESS COSTLY THAN ROPES OR SPIRAL GUIDES.



MAKERS OF GAS PLANT OF EVERY DESCRIPTION

ERECTED AT EAST GREENWICH FOR THE South Metropolitan Gas Company
IT HAS SIX LIFTS 30 FT DEEP EACH AND IS 300 FT DIA^R

ADDRESS LONDON 60, QUEEN VICTORIA ST. TELEGRAPHIC "GAS, LEEDS."

ROOFS PURIFIERS &c. ALSO GASHOLDERS OF ANY SIZE ERECTED & COMPLETED WITHIN 12 MONTHS AND AT THE TIME SPECIFIED

MAKERS OF HIGH-CLASS

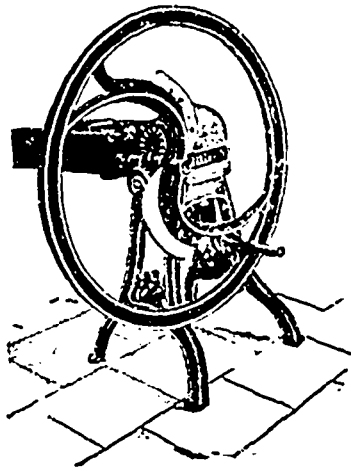
BOILERS

FOR GAS AND ELECTRIC LIGHT WORKS,
FITTED WITH PATENT CORRUGATED FLUES.

These Flues give Greatly Increased Heating Surface, and are Specially Recommended for High-Pressure Boilers.

MAKERS OF ALL KINDS OF MECHANICAL MACHINERY.

VARLEY & Co., KEIGHLEY, ENGLAND.



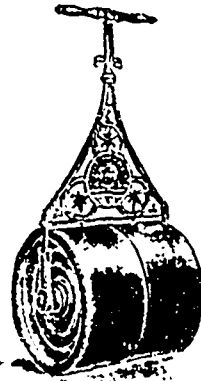
Chaff Cutter.

Sole Manufacturers of the
CYCLOPS
Lockstitch Sewing Machines
For Domestic and Manufacturing
Purposes.

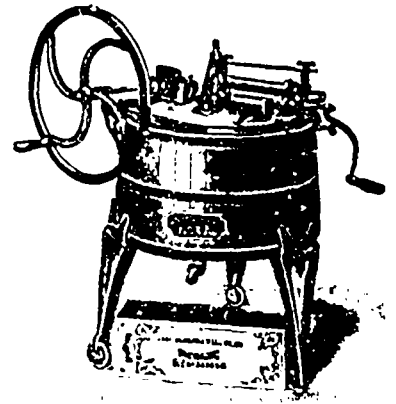
Also Manufacturers of
Wringing and Mangling Machines,
Agricultural Implements, &c
Garden Rollers, Garden Seats.

Shipping orders executed on the shortest
notice.

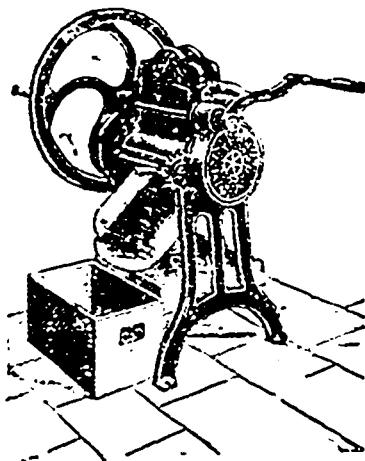
Telegraphic Address "CYCLOPS Keighley,"
ENGLAND.



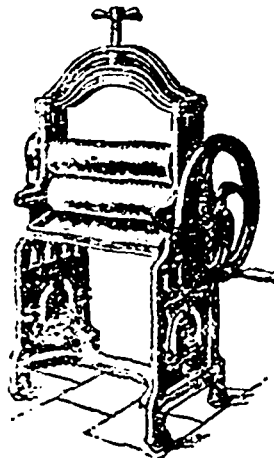
Garden Roller.



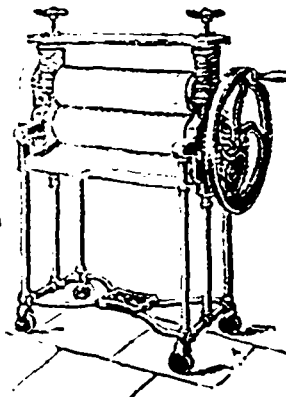
No. 3A Surprise Washer



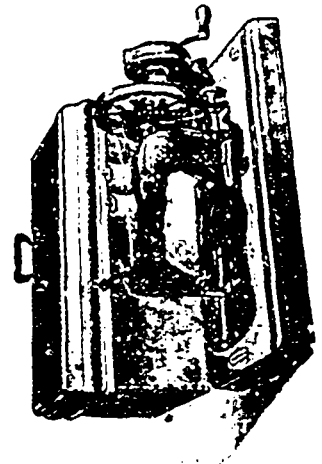
Oil-Cake Breaker.



Patent Spiral Wringer.



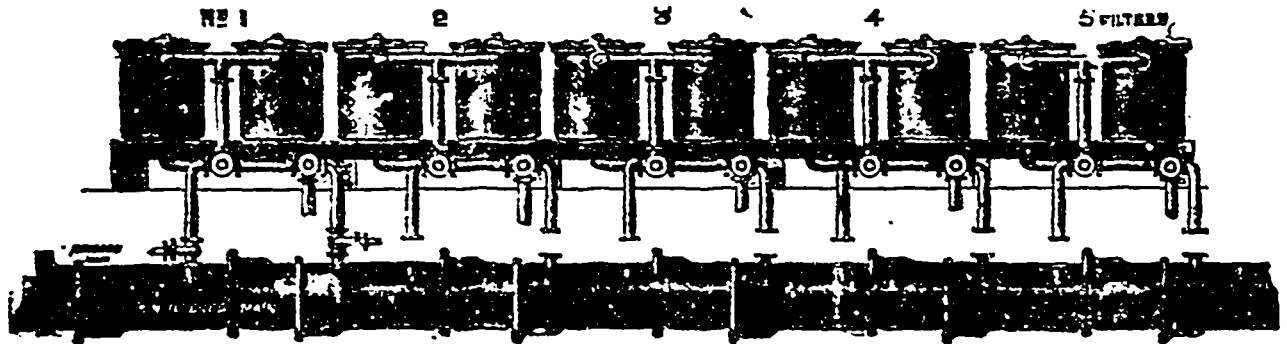
Tubular Wringer.



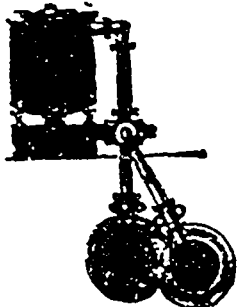
Family Hand Machine.

Special Rates to Canadians under the New Preferential Tariff.

HALLIDAY'S HIGH-PRESSURE SELF-CLEANSING FILTERS.



END VIEW



PLANT AS FIXED AT CREWE, dealing with 40,000 gallons of Water per hour.

This Plant was started March 1889, and is giving every satisfaction.

Smaller Plants as Colwyn Bay Local Board, fixed in 1881, dealing with 10,000 gallons per hour at Carnforth and District Water Works Co., Ltd., fixed in 1883, dealing with 15,000 gallons per hour, Loan Head, near Edinburgh, takes water from Edinburgh Water Trust, 8,000 gallons per hour, Barmouth Urban Sanitary Council, North Wales, 8,000 gallons per hour; Bedlington Urban District Council, 4,000 gallons per hour, fixed 1885

J. HALLIDAY & CO.,

Portland Works, James St. Miles Platting, Manchester, Eng.

ENGINEERS AND FILTER MANUFACTURERS,
Makers of High-Pressure Self-Cleansing Filters, to deal with 100 to 20,000,000 Gallons of Water per day.

Low Pressure or Gravitation Filters on Improved Principles, also Water Softener.

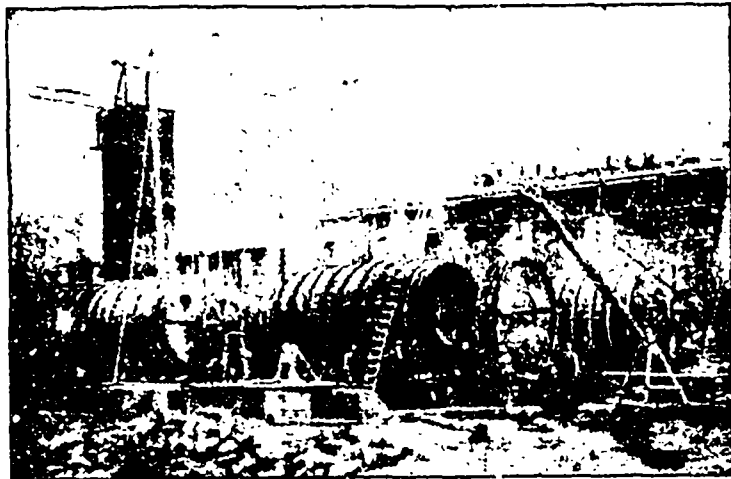
ESTIMATES FREE.

Telegraphic Address "Filters, Manchester."

ESTABLISHED 1870

DOMINION MACHINERY COMPANY. Agents for Canada, 11 St. Sacrament St.

PATENT "NEW" SCRUBBER-WASHER.



The "NEW" Scrubber-Washer can be arranged to suit all cases of the Washing of Gasses with liquids. All sizes from 50,000 to 5,000,000 Cubic Feet of Gas per Day.

NOTE:—Orders received in 1900 for MACHINES to deal with 42,450,000 Cubic feet of Gas per Diem.

Telegrams:— "HOLMES, Huddersfield." Cables:— "IGNITOR, LONDON."

Contractors to His Majesty's Government.

Special Terms to Canadians under the New Preferential Tariff.

PATENTEES AND SOLE MAKERS: **W. G. HOLMES & CO.,** WORKS: Huddersfield, ENGLAND.

MACHINE TOOLS,

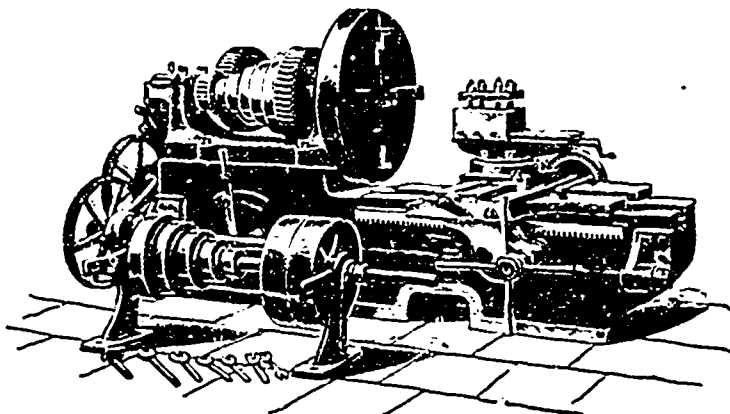
LATHES, DRILLING, SLOTTING, SHAPING, PLANING, PUNCHING & SHEARING MACHINES, &C. ALL CLASSES OF MACHINES IN STOCK.

Catalogues on Application

CONTRACTORS to ADMIRALTY & HOME & FOREIGN GOVERNMENTS.

Telegraphic Address "MACNAB, Manchester."

Britannia Ironworks, HYDE, MANCHESTER.



POLLOCK & MACNAB, LTD., REGISTERED HEAD OFFICE AND SHOWROOMS— 131-133, DEANSGATE, MANCHESTER

Please address all communications to Head Office.

The Morley Electrical Engineering Co., Limited.

Telegraphic Address — "TRAY WORKS, Morley," Telephone, No. 51.

MORLEY NEAR LEEDS, ENGLAND.

Estimates Free.

Send for Price List.

Standard Continuous-Current

DYNAMOS.

GENERATORS & MOTORS, FOR POWER OR LIGHTING Standard Sizes, 1 to 100 H.P.

Special Prices to Canadians under the New Tariff



ELDER, DEMPSTER & CO.

BEAVER LINE.

| MONTREAL to LIVERPOOL. | | |
|--|------------------------------|---------------|
| From Liverpool | Steamer | From Montreal |
| May | | May |
| " | Lake Champlain .. | " 22 |
| " | " 13..... Lake Ontario..... | " 29 |
| " | " 29..... Lake Simcoe | " June 5 |
| " | " 27..... Lake Manitoba..... | " 12 |
| First Cabin—Single, \$52.50 and upwards. Round Trip, \$100 and upwards, according to steamer. | | |
| Second Cabin—Single, \$35.00 and upwards. Round trip, \$68.89 and upwards, according to steamer. | | |
| Storage rates to Liverpool, London, London-derry, Glasgow, Belfast and Queenstown \$21.50. | | |
| THE KING'S CORONATION IN LONDON, June 26th, 1902. | | |

The fine new and large SS. "Lake Manitoba," 3,600 tons, twin screw, side keels, sailing from Montreal at daybreak, June 12th, will land her passengers in England in good time to view this great event. Passengers wishing accommodation on that date should make early arrangements for same.

ELDER, DEMPSTER & CO., 6 St. Sacramento St., Montreal.

ESTABLISHED 1871.

The Northern Rubber Co.

RETTFORD, NOTTS, ENGLAND.



Cable Address:—

"Rubber," Retford,

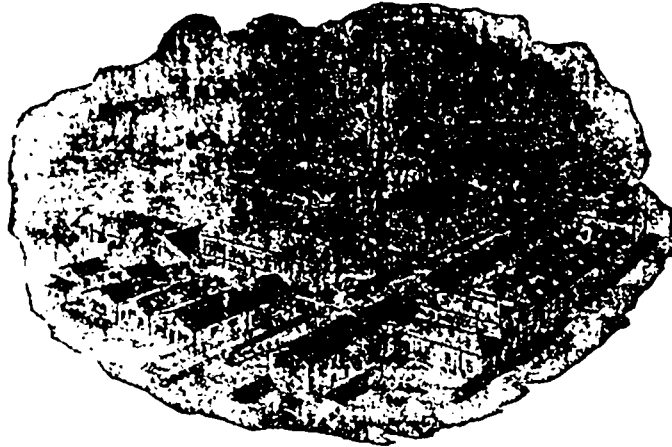
Telegraphic Addresses:—

"Rubber," Retford,

"Proofers" London

"Pegler" Glasgow.

"Vis," Liverpool.



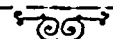
—BRANCHES—

LONDON—
Albert Buildings,
49, Queen Victoria St. F.O.

GLASGOW—
60 Howard Street
Telephone 4033.

LIVERPOOL—
29 South Castle Street.
Telephone 2277

MANCHESTER—
2 Macdonald's Lane.



Waterproof Garments of all descriptions guaranteed to withstand all Climates
Moulded Shoe Soles in a variety of Patterns, all Classes of Rubber for Mechanical Purposes.

Vulcanized India Rubber Gas Tubing

Vulcanized India Rubber Garden Hose.

For Horticultural and other purposes in connection with ordinary
Waterworks Pressure.

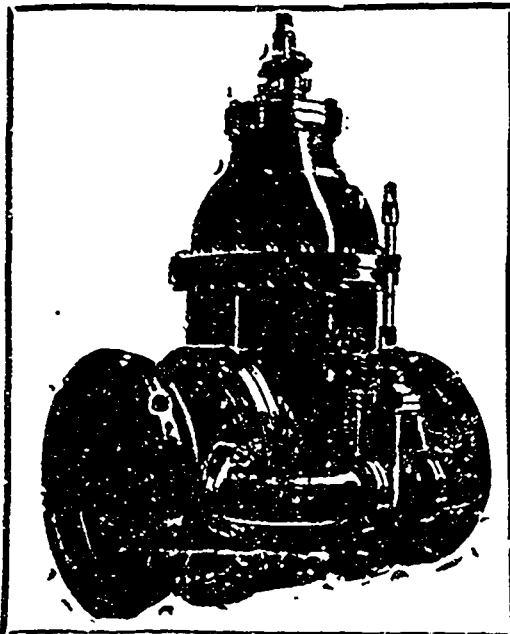
Patent "Pearl" Embedded Suction Hose.

Vulcanized India Rubber Delivery Hose.

Made of India Rubber and Canvas.

Waterworks Appliances.

J. BLAKEBOROUGH and SONS,
Hydraulic Engineers.



Sluice Valve with Eye-Pass.

BRIGHOUSE. — — ENGLAND.

Special Rates to Canadians under the New Preferential Tariff

All communications, advertisements, etc., intended for insertion in "The Trade Review," should reach this office by Wednesday morning.

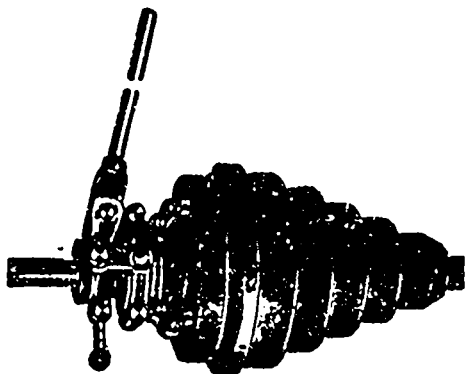
Manufacturers and Contractors will find advance information regarding public or private buildings to be erected, municipalities or corporations who want to buy supplies, in our contract department.

THE TRADE REVIEW, circulating through all the Provinces of Canada, the United States and Great Britain, offers a wide field for manufacturers and others for placing before the notice of buyers their particular line of goods.

Champion Friction Clutch Co. Ltd

WORKS : Trent Street Parade Chambers,
High Street, Sheffield, England.

Telegraphic Address:—"Volometer, Shoffield."



Clutched Cone Pulley for Main Shaft.

FRICITION CLUTCHES and GEARS.

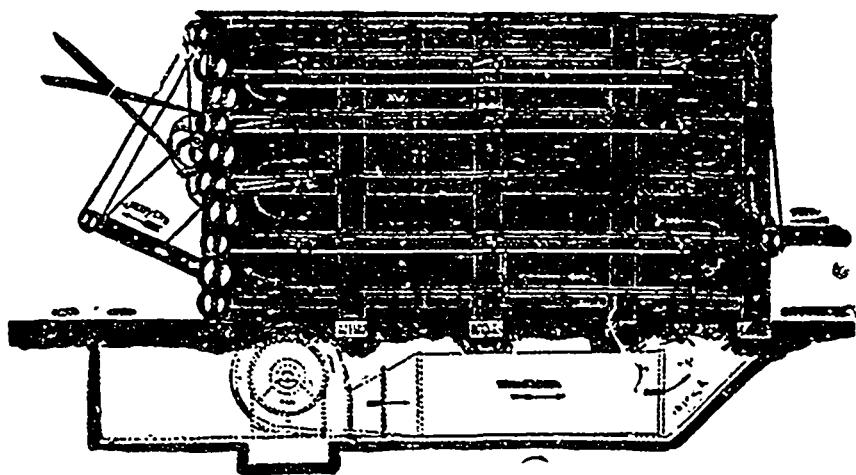
Special Prices Under the New Preferential Tariff,

Telephone No. 27.

Telegraphic Address:—"LAVER."

PETRIE'S DRYING MACHINE

For Drying Wool, Cotton, Bags, Oakum and other Fibrous
Material.



JOHN PETRIE, Junr., Limited,
River Street Works, Rochdale, ENGLAND.

SAILING SHIPS.

Sailing ships cannot be said to have had their day when Americans are building multi-masted schooners that would have seemed remarkable as square-rigged vessels forty years ago, and that would have found few peers in carrying capacity among steamships twenty years ago, and the Germans and English are building sailers with a capacity comparable with some of the larger modern freight steamers. Since 1893 France has added greatly to her fleet of large sailing vessels, and while this is attributed to the provisions of the Subsidy law, which especially favored sailers, a good deal of it must be

attributed to the economy of these carriers, which seemed for a time liable to become extinct in the face of steam competition, but whose value has been better appreciated as the rates of freight have declined and economies have been sought in every direction. England built a ship last year that would carry 175,000 cases of oil, and Germany, which had already built a sailing ship of 6,200 tons dead weight capacity, has just launched one that will carry 8,000 tons dead weight. In the meanwhile our great sailers are fore-and-afters, because higher wages make it more important here to economize in the matter of crew.

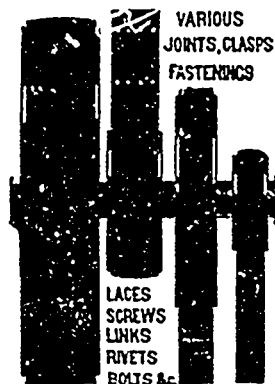
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LEATHER BELTING, &c.

Manufactured by

EDW. & JAS. RICHARDSON,



ELSWICK LEATHER WORKS,
Newcastle-on-Tyne,
ENGLAND.

CANADA'S FOREIGN TRADE.

Canada's aggregate trade for the ten months ending April 30th amounted to \$333,522,149, an increase of \$27,446,220 over the same period of last year. The imports for the ten months, exclusive of coin and bullion, totalled \$157,779,329, a betterment of \$14,836,909. For the month of April only the increase was \$3,116,321. For the ten months the exports of domestic products only, excluding coin and bullion, aggregated \$153,190,071, or \$13,663,168 ahead of the first ten months of the preceding year. For the month of April the exports reached a total of \$13,643,198, a gain of \$4,593,565. The increases in almost all lines of exports have been very marked. For the ten months' period the gains are: Fisheries, \$3,411,495; products of the forest, \$1,359,261; animals and produce, \$1,749,914; agriculture, \$7,714,275; manufactures, \$1,744,716. For April the increases are: Fisheries, \$398,863; products of the forest, \$208,238; animals and their produce, \$305,059; agriculture, \$3,277,391; manufactures, \$347,572. Examining in detail the exports for the month, agriculture makes the biggest showing. The increases are made up as follows: Wheat, \$2,833,069; hay, \$283,003; potatoes, \$59,000; flour, \$57,

Telegrams: "STIRLINGS, HAMILTON."

Stirling's Motor Carriages, Limited,

HAMILTON, SCOTLAND.

Important Announcement

-TO-

TRAMWAY COMPANIES AND CORPORATIONS.

MESSRS. STIRLING beg to announce that having completed their Installation of the most modern Machine Tools they are now in a position to undertake the

RAPID EXECUTION OF ORDERS FOR TRAMCAR BODIES

Motor Cars, Etc., Etc., for Canadians under the New Tariff at Special Prices.

The Dargue Acetylene Gas Co., Ltd.

57 GREY STREET, NEWCASTLE-ON-TYNE

Patentees and Manufacturers of



OUR LATEST; THE COTTAGE GENERATOR.

Wholesale and Retail Dealers in

CARBIDE OF CALCIUM.

ACETYLENE

CYCLE

LAMPS.

ACETYLENE

GAS

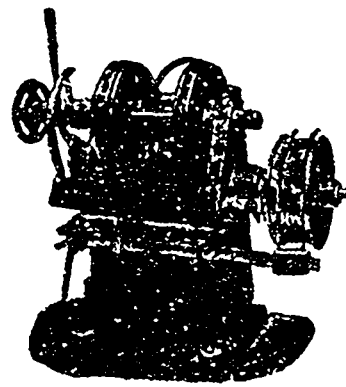
GENERATORS.

of all sizes.

W. B. LEE & CO.,

Providence Works.

BRADFORD, ENGLAND.



Patent Balling Machine for Noble's Combs. Over 300 of these machines working.

000, and green apples, \$11,000. It is quite evident that times are prospering with the farmer. The gain under the head of animals and their products is accounted for by an increased export of bacon. The growth in forest products is attributable to a large export of planks and boards. The chief increases in fish products are lobsters, \$37,000; canned lobsters, \$46,000; dry and salted cod, \$15,000; canned salmon, \$256,000; other fresh fish, \$30,000; pickled herring, \$7,000; various other fish, \$9,000. Among the exports of manufactures occur the following: Explosives, \$50,000; household effects, \$54,000; castings, \$10,000; pig iron, \$140,000; leather, \$53,000; boots and shoes, \$10,000; whiskey, \$18,000; metals other than named, \$23,000; organs, \$7,000; oilcake, \$15,000; house furniture, \$11,000; doors, sash and blinds, \$12,000.

WEALTH OF THE YUKON.

Mr. F. C. Wade, K. C., Crown prosecutor in the Yukon, now in London, being interviewed, said that, so far as

England is concerned, that district has been almost forgotten.

Mr. Wade indicated that this comparatively newly-discovered gold-bearing district is booming more than ever.

'Whereas in 1898,' he said, 'the placer gold mines yielded two millions sterling, the output is now at the rate of £4,500,000 yearly, and £14,400,000 have been produced from the mines since 1897.'

But, much to the regret of the inhabitants, English capital has been largely replaced by American. The English companies, as a rule, were not at first represented by men of sufficient experience, and when the men were good they were too often not furnished with sufficient capital to carry out the objects they had in view. English capital, therefore, was not attracted, and American capital, which has since been judiciously invested, is securing not only wonderful returns from the gold mines, but is also controlling the trade of the country.

'This trade is very great. Last year, for instance, 39,000 tons of freight were taken into the Yukon for local consumption, and this freight came mainly from United States factories.'

'The Americans are showing such enterprise that the town of Seattle, which was "staggering" when the Yukon was in its earliest stages of development, is now a large and wealthy city. The cities of Portland and Tacoma have also been developed out of Yukon gold. Five years ago, too, there were no steamers on the Upper Yukon, while to-day the fleets on the Upper and Lower Yukon are valued at nearly £600,000. Of these fleets, no fewer than twenty-seven steamers are owned by the White Pass Railway.'

'It is, too, only five years ago that Dawson City was a mere collection of tents, but the census taken last summer shows that it is now a city assessed in real and personal property at about £2,400,000.'

'British capital is still needed, and there are many openings for careful and judicious investment. It is with regret that loyal Canadians see the Americans getting all the cream, when with a little more energy and enterprise it should go to the British.'

The Greville Company.

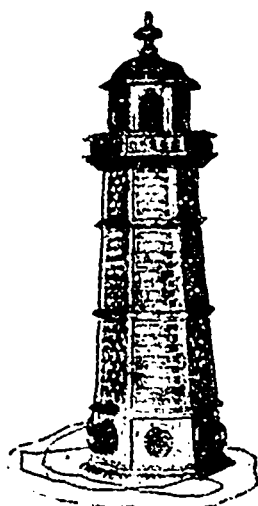
The Greville Company of 4 Holborn Bars, London, England, have a number of electric inventions. Among these are the medical electro-thermic generator, the electric lighthouse stove, the electric sun drawing room stove, the electric bath geyser, electric water heaters, suitable for restaurants, hair dressing establishments, dentists' and surgeons' operating rooms, lavatories, and for other domestic purposes, the electric oven for cooking purposes, the new patent electric sea battery, the new aluminium electricity ac-

cumulator, the Aladdin electric candle lamp, the recently patented light distributing incandescent lamp and many other electric novelties. They manufacture the lightest secondary battery in existence with a patent asbestos porous cell which has the advantage of being unbreakable. Their Aladdin lamp is a beautiful form of the ancient Roman lamp; it is made in copper-bronze. It contains two to four of the new aluminium accumulators, and can be easily charged from any ordinary house supply by simply removing an electric incandescent lamp and replacing it by an

adaptor which carries the current to the Aladdin lamp. A simple arrangement of lamp resistance for charging from the ordinary mains is sold with the Aladdin lamp, which may be used and understood by any person even without any previous electrical knowledge. The company has in hand an electric heat portable bath for invalids, who, to retain health, are advised that a free perspiration is needed. Also many other electrical novelties which will shortly be added to this catalogue.

**"GREVILLE"
Electric Inventions,
LIMITED.**

This new Electric Stove is the Invention of the Age and is designed for all purposes, especially for the SICK ROOM, as there are no fumes or gases from it.



REGISTERED OFFICES:
4 Holborn Bars, High Holborn,
London, W.C., ENGLAND.

These are manufactured at our works, especially for the Canadian market, under the new preferential tariff, 33½ p.c. less than we supply them for any other market.

The patent is also for sale in Canada.

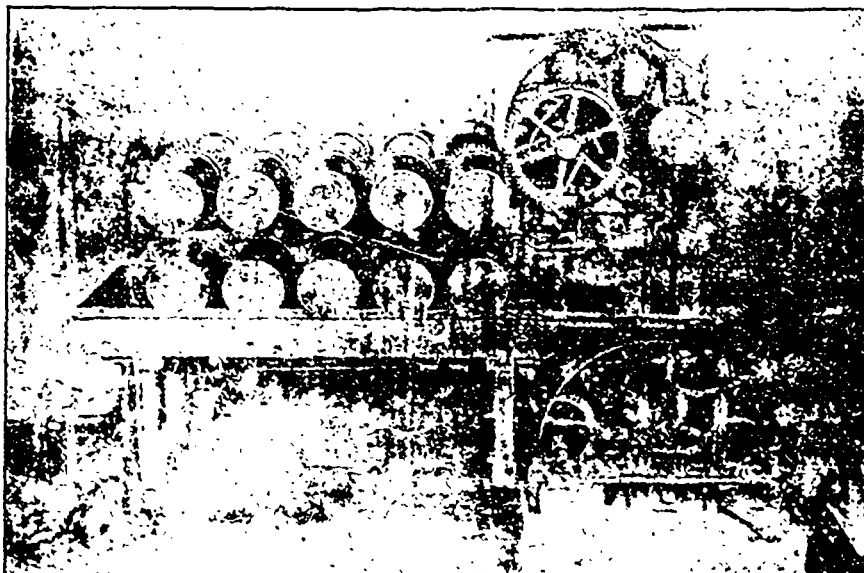
Established 1861.

Telegrams: Machines. Bradford.

W. U. T. Code, Used.

J. W. KNOWLES & CO.,

Iron and Brass Founders, General Machine Makers, Millwrights, &c.,
GLOBE WORKS, Toller Lane, & PRETORIA Works, Carlisle St.,
MANNINGHAM, BRADFORD.



Equipment installed in the Montmorency Cotton Manufacturing, Co., Ltd., Quebec, Canada.

PIECE FOLDING and MEASURING MACHINERY. PATENT SECTIONAL WARPING and BEAMING MACHINES.

Patent Chilled Rocking Bars, & Patent Smoke Burner. AIR HEATING ECONOMISER.

Estimates and Plans Prepared for Complete Piece or Warp Bleaching, Dyeing, and Finishing Works,

Warping and Beaming Machine
Makers of Noble Combs with
Patent Ball Bearing
Steadying Motion.



Worsted Machinery.
Yarn Finishing Machinery.
Warp and Hank Dyeing Machines.
Piece Dyeing & Finishing Machinery



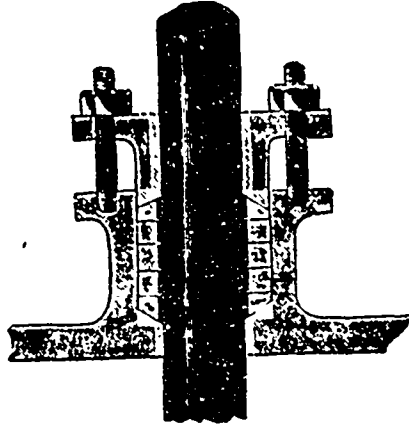
TENTERING MACHINES,
CYLINDER OR HOT
AIR DRYING
MACHINES.



Wet Finishing Machinery.
Mangles and Calenders.
Hank, Warp & Piece
Mercerising Machinery.

THE TRADE REVIEW circulating through all the Provinces of Canada, the United States and Great Britain, offers a wide field for manufacturers and others for placing before the notice of buyers their particular line of goods.

REDFERN'S PATENT.



The Best, Cheapest and Simplest Metallic Packing in the world.

Will last for years.

Less Friction on Rods. Less Wear and Tear.

Our Patent Flexible Metallic Packing consists of Plated Composition Wire B made into a tape form which is the wearing surface and is securely attached to a backing of Asbestos Cloth A. The Composition Wire is of a peculiar softness which we guarantee will not score or in any way injure the rod.

Further Particulars and Samples on application

S. REDFERN & CO.,

2 Swan Lane, New Brown Street, Manchester, England.

THE CONCENTRATION OF WEALTH.

The growth of the national wealth of the United States is given in the 'Independent' as follows:

| Census year. | Wealth. |
|----------------|-----------------|
| 1850 | \$7,135,780,228 |
| 1860 | 16,159,610,065 |
| 1870 | 30,068,518,507 |
| 1880 | 43,642,000,000 |
| 1890 | 65,037,031,107 |
| 1900 | 94,000,000,000 |

*Estimated.

Of the total, on the 1890 basis, 60.80 percent consisted of real estate, while railroads comprised 13.35 percent. The total money in the United States is \$2,463,147,292, or \$31.94 per capita, against \$14.96 in 1860, and circulation is \$27.58, against \$13.85 in 1860, indicating an enormous increase in efficiency of commercial mechanism.

Another such indication is found in the increase in number of savings banks from 278 in 1860 to 1,007, and in deposits from \$149,277,504, to \$2,537,094,580, or from \$4.75 to \$408.50 per depositor. About 50 percent of the deposits belongs to wage-earners proper.

The 'World Almanac' for 1902 gives a list of 2,500 American millionaires. The argument that because of the increase of

Trade **BHUNTSMAN** Mark. Trade **AJAX** Mark

B. Huntsman,

Attercliffe, Sheffield, England.

Established 1761 by Benjamin Huntsman, Inventor of Cast Steel

CRUCIBLE CAST STEEL

For Tools of all Descriptions

DOUBLE SHEAR STEEL.

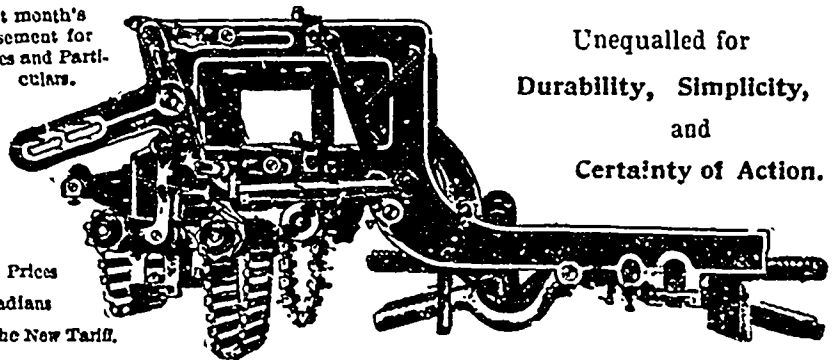
"Ajax" Self-Hardening Steel for Turning Tools.

LUPTON & PLACE, Burnley, ENGLAND.

Sole Makers of the "CLIMAX" DOBBIES, Nos. 3 and 4

(Single and Double Jacks), with Hand and Automatic Cross-border Motions, for Towels, Serviettes, Tablecloth, Handkerchiefs, &c. embracing the latest and best inventions in this class of Dobbies.

See next month's advertisement for Prices and Particulars.



Unequaled for Durability, Simplicity, and Certainty of Action.

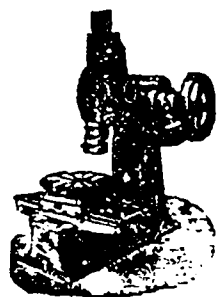
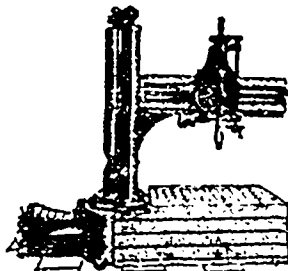
Special Prices to Canadians under the New Tariff.

MAUD & TURNER,

PERSEVERANCE WORKS, Gibbet Street, Halifax, ENGLAND.

Makers of Engineers' and Machine Tools; of superior design, accurately fitted and finished with the best workmanship.

Lathes, Planing, Shaping, Slotting, Drilling, Milling, Boring, Screwing, Punching, Shearing, and Radial Drilling Machines, also Patent Compound Lathe Planing, Shaping and Filing Machine.



100 Machine Tools Finished and in Progress.

Best Workmanship Guaranteed

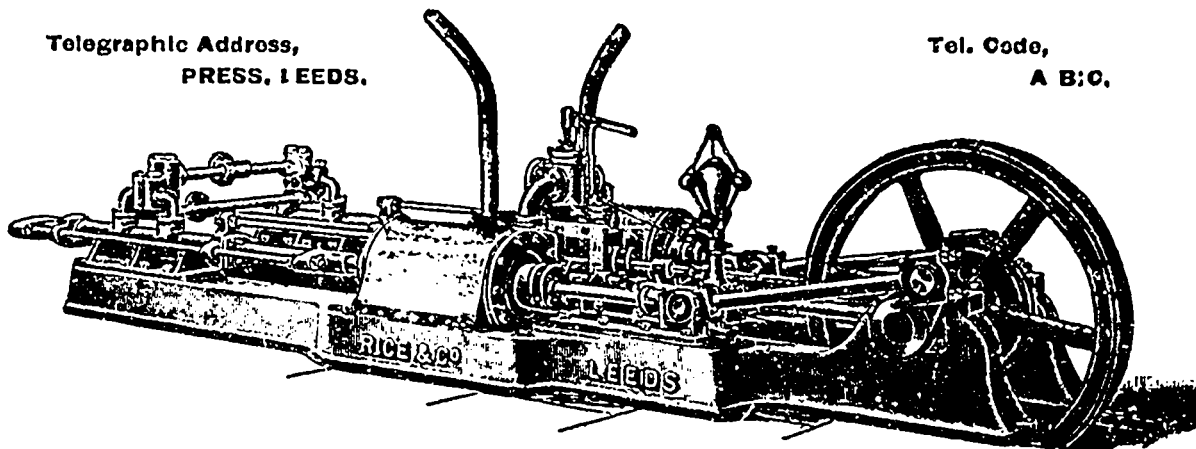
Hydraulic Pumping Engines

RICE & CO., Elland Road, Leeds, **ENGLAND.**

Hydraulic Tools for All Purposes.

Telegraphic Address,
PRESS, LEEDS.

Tel. Code,
A B C.



Hydraulic Tools of All Kinds.

NOTE—For Canadians 33 1-3 per cent. in favor of British Maker, under the New Preferential Tariff.

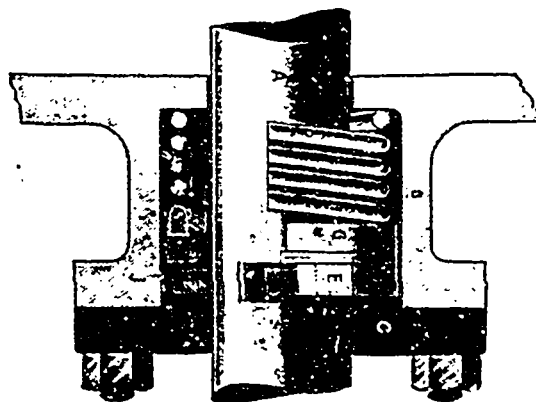
W. G. SKELTON, CORBITT & CO., LIMITED.
Sheffield Grate Works, Rotherham, England.

SPECIALISTS IN EVERY KIND OF

Cooking Apparatus

DRAWINGS AND ESTIMATES ON APPLICATION.

WARD'S FLOATING METALLIC GLAND PACKING. (Patent.)



Suitable for horizontal or vertical marine engines or locomotives. Frictionless and steam tight under the highest pressures. Quality and workmanship guaranteed perfect.

For further Particulars and Prices apply to Sole Makers,

S. A. WARD & CO.,
ENGINEERS.
Broad St Lane, Sheffield,
ENGLAND.

Telegraphic Address
"Metallic, Sheffield."

millionaires their wealth has been taken from the small holders would be true, in the presence of an increasing number of millionaires, were wealth stationary. Instead, wealth increases at tremendous strides, the statistics of production in every branch show enormous increase in efficiency, and savings bank deposits, assets of buildings and loan associations and money in existence and circulation all show corresponding expansion. While the rich are growing richer, many more are growing rich, and the poor are better off. The population of Prussia increased during the last decade 13 per cent, against 49 percent in the number of persons liable to an income tax. The accumulation of wealth will go on; its distribution affects all classes, and while the moral tone of the community does not decay, all must participate in the general distribution.

NEWFOUNDLAND'S FISHERIES.

The seal fishery is nearly wound up for the season. It is promising to be a full average one. It employs 19 steamers of 5,993 tons, with 3,526 men. The seals caught last year numbered 345,382, weighing 7,110 tons. The men make during the three or four weeks from \$30 to \$50.

Preparations are now active for the bank fishery. It employed last season 118 vessels of 5,232 tons, with 1,531 men. The cod caught amounted to 113,841 quintals, averaging per schooner 964 quintals, and per man 74 3-4 quintals. The shore fisheries employ a large number of boats and small schooners. The

PATENTS FOR THE UNITED KINGDOM AND THE COLONIES FRANCE AND THE FRENCH COLONIES GERMANY BELGIUM AUSTRIA HUNGARY SPAIN ITALY RUSSIA AND THE OTHER PRINCIPAL INDUSTRIAL COUNTRIES OF THE OLD AND NEW WORLD INDIA

McPhail & Co.

Simpsons

DRY STEAM PATENTS CO. LTD.

ENGINEERS, COPPERWORKERS, BRASS & IRON FOUNDERS, IRON PLATE WORKERS TUBE MANUFACTURERS, INVENTORS & PATENTEES OF THE DRY STEAM GENERATOR & FUEL ECONOMISER

WAKEFIELD ENGLAND.

WM. CLENDINNENG & SON,
STOVES and RANGES



We can supply all Repair Plates for all Makes of Stoves, Range and Heaters, made by the late J. M. William & Co., Hamilton, John Findlay & Sons, Montreal, Harte & Smith Co., Belleville, Edward & McDonald, Montreal, and all bearing our name.

Very Lowest Market Price, - - - Prompt Delivery.

Telephone, Main 3903.

WM. CLENDINNENG & SON,
IRON FOUNDERS, RANGE and STOVE MAKERS,
MONTREAL and St. CUNEGONDE, QUEBEC.

HENRY TETLOW, Miles Platting Reed, Heald and Wire Works,
MANCHESTER, ENGLAND, & BOLBEC, FRANCE.

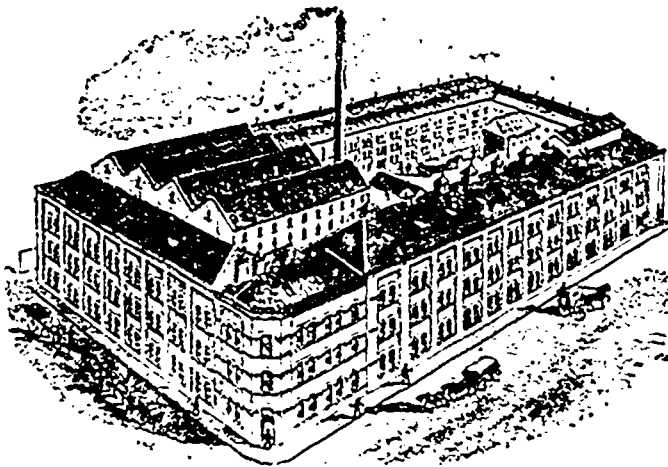
Telegraphic Address: "Esperance, Manchester." Telephone No. 1733.

Improved Expanding Combs
Made to Order.

Tetlow's Patent Simplex Expanding Comb.

Lease Reeds, Back Reeds and Front Combs for Sectional Warping.

Patent spacing Mollen for Heald Machine.



Manufacturer of all kinds of REEDS and HEALDS for Cotton, Silk, Linen and Woolen Goods, &c. &c.

Doubler of Cotton

Heald Yarns.

RING TRAVELLERS.

Manufacturer of Composition and Steel Spinning and Twisting Travellers.

The total population directly engaged in the fisheries, by the census of 1891, was 53,502. The whaling industry has started within two years. The Cabot Company, formed in 1898, operates from Notre Dame and Hermitage Bays. The Newfoundland Whaling Company has a station at Rencoutic. As a result, the exports last year were:—

Whale bone, 41 tons, \$13,550 value.
Whale oil, 635 tons, \$54,221 value.

R. CRAGGS & SONS, Ltd.

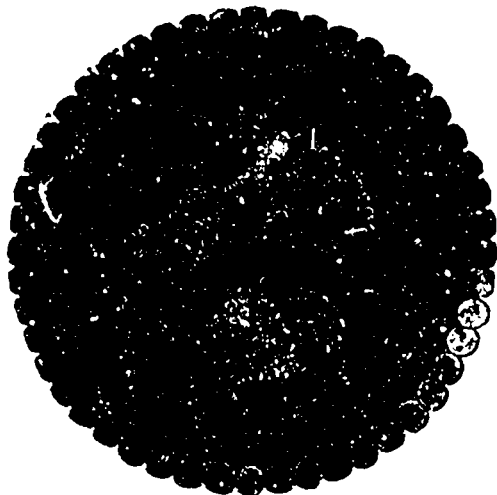
The business of R. Craggs & Sons, of the Tees Dockyard, Middlesbrough, England, has been taken over by a limited liability firm under the above name. The directors of the new company are Henry Foxton Craggs, Ernest Hall Craggs and Robert Henry Craggs, the two first named being the sole partners in the vendor firm. No change will be made in the management of the business.

The ENCLOSED ARC LAMP

The Wenham Enclosed Arc Lamp, manufactured by the Lighting Corporation, Ltd., lighting and heating engineers, whose offices and show-rooms are at 4 Bloomsbury street, W.C., and whose works are at 15 Drott street, are made to burn in parallel with self-contained resistance on 100 to 120 volts and with external resistance to 250 volts. Series pattern for burning two in series on 200

THE BRITISH INSULATED WIRE CO.

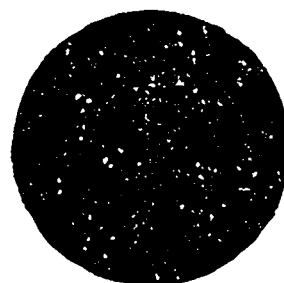
PRESCOT, LANCAHIRE, ENGLAND Limited.



15 sq. in. Three Core Armoured.



Extra High Tension 10,000 volt.



1 sq. in. Hammered Twin.

ELECTRICAL CABLE MAKERS

AND TRAMWAY CONTRACTORS.

One third per cent. in favor of English goods under the New Tariff.

W. H. CHAPLIN & CO., Ltd

Importers and Exporters
of WINES, SPIRITS and LIQUEURS.

Bonders at the principal
SCOTCH & IRISH DISTILLERIES.

Brokers, Bottlers and Valuers to the Trade.

Offices—

35 & 36 Mark Lane, E.C., and 10 Villiers St., W.C.,
LONDON, Eng.

Market List, Monthly.
Export List, Quarterly.

Telegrams—Winechap, London.

250 volts. with external resistance only. The Type Ct., single enclosure, is an ideal lamp for indoor lighting. It burns 90 hours, has positive clutch, no flexible connections, measures in length 20 inches over all, and weighs complete, twelve pounds.

W. H. CHAPLIN & CO.

W. H. Chaplin & Co., Ltd., exporters of wines, spirits and liqueurs, whose export offices are at 35 and 36 Mark Lane, London, England, and whose registered offices and duty paid stores are at 10 Villiers street, are importers and exporters of all classes of wines and spirits, bonders, blenders and bottlers of the principal Scotch and Irish whiskies, and brokers and bottlers to the trade. They are also agents for Canadian Club whis-

key, as well as for Cognac Moutet fine old Burgundy Brandy, Scotch Tantalion and Robin Orz Whiskies, Irish Ennis-more and Citizen Brand. Among their specialties are Australian wines, brandies, Burgundy and Sauterne Champagne and Saumur claret, gins of all kinds, Hock and Moselle, Madeira, Muscatel, Marsala and Malaga wines, port, rum and sherry, in all of which they hold the agencies for a number of proprietary brands.

DIESEL ENGINE.

Power At Low Cost.

For the first time in fifty-five years, the great Corliss Engine Works, at Providence, R.I., which are said to be the largest engine works in the world, have

Eastern Townships Bank.

ANNUAL MEETING.

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

Wednesday, 4th day of June next.

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

By order of the Board,
WM. FARWELL,
General Manager.

Sherbrooke, 4th May, 1902.

been run this week without an ounce of steam. The engineers say that with fuel oil and the Diesel engine these works are now operated at a cost for fuel of four gallons of oil for 100 horse-power hours, and as the oil costs four cents per gallon the cost is 16 cents per 100-horse power hours.

Busch, the St. Louis brewer, who first bought the Diesel engine rights for the United States, says he is running 600 electric lights in St. Louis for twelve hours at a cost of 98 cents per day for fuel.

Mr. C. S. Drummond, of the British Electric Traction Company, of England, which operates more than fifty electric traction companies in Great Britain and other parts of the world, was in Provi-

Samuel Fox & Co.

LIMITED

STOCKSBRIDGE WORKS, nr. SHEFFIELD, ENG.

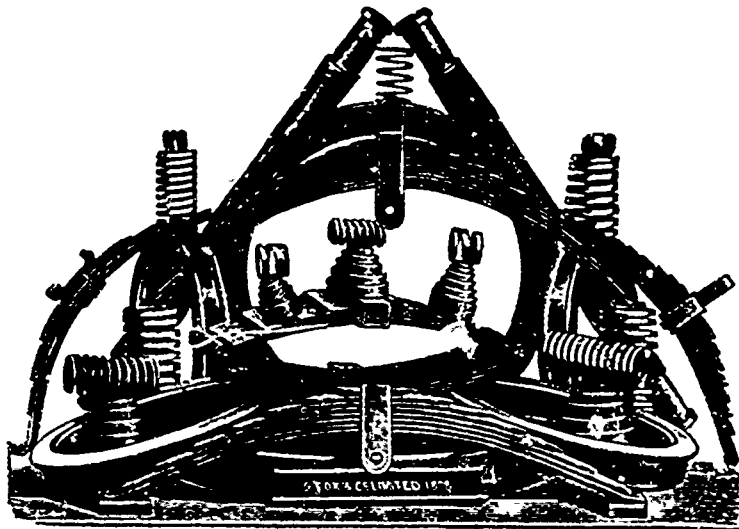
Manufacturers of

STEEL

by the

**BESSEMER
& SIEMENS**

Processes.



Special prices
to Canadians
under the new
preferential
tariff, 33½ p.c.
in favor of
England.

Steel Rails, Tyres and Axles for Railway Carriages
and Wagons, Railway Springs of every description,
Special Spring Steel, Steel Blooms,
Billets and Slabs, Steel Wire for Ordnance, Crucible
Cast Steel and Homo Wire of every description.

FOX'S Famous Umbrella Frames. Ma-ks: "PARAGON," "LAURUS," "LOCK-RIB," Etc. Etc.

dence recently to inspect the new Hoadley-Knight truck. He expressed his belief that these trucks were superior to anything on the other side.

He says there is a great opening for the use of auto-trucks in transportation of freight, as English railway rates are high, and the highways are in superior condition for automobiles or auto-trucks.

Mr. Drummond says that although his English company employs \$10,000,000 capital for passenger traffic, scarcely the fringe of the business of England has been touched. The business, however, has grown very rapidly the last two years.

The Pioneer Power Company is pushing the auto-carrage and truck business over England, and all the mail matter between Manchester and Liverpool, which amounts to about six tons a night, is conveyed by mechanical traction by road instead of by rail, as formerly.

GIRLING Bros. ^AND ^DCo.

LIQUEUR and CORDIAL
DISTILLERS. . . .

BRITISH WINES.

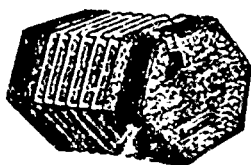
37 & 38 Mark Lane, London, E.C.

ENGLAND.

LACHENAL & CO., LITTLE JAMES ST.,
GRAYS INN ROAD, LONDON, ENGLAND.

For English (and Duet) Patent and Newly Improved Chromatic
Anglo-German.

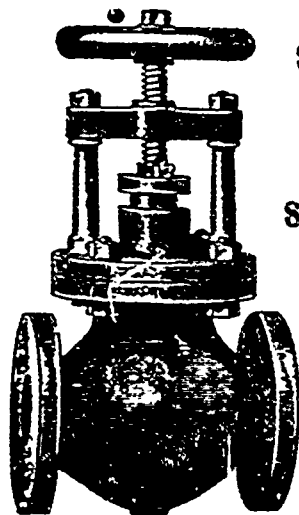
CONCERTINAS



CONCERTINAS

LATEST MODEL
The **EDEOPHONE.**

To be had of Music Dealers all over the world.



STEAM VALVES

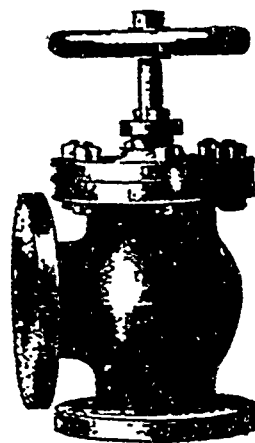
of every description,

SAFETY VALVES

Single and Double
Lever Spring and
Dead Weight

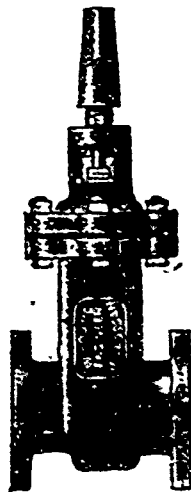
Large Stock kept
ready for
immediate delivery.

Telegraphic Address: "YOUNG, AIRDROSSAN"
SPECIAL PRICES TO CANADIANS UNDER THE NEW TARIFF.



WILLIAM YOUNG

ARDROSSAN, Ayrshire, SCOTLAND.



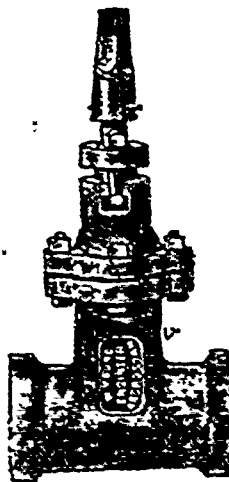
SLUICE VALVES

FOR
Water, Gas, and Sewage.

GENERAL
Water Works Appliances.

CATALOGUE & PRICE LIST

FREE ON APPLICATION.



THE MOST NUTRITIOUS,

Epps's Cocoa

GRATEFUL COMFORTING
Distinguished everywhere for
Delicacy of Flavor, Superior
Quality and Highly Nutritive
Properties. Specially grate-
ful and comforting to the ner-
vous and dyspeptic. Sold in
1-lb. tins, labelled **JAMES**
EPPS & CO., Ltd. Homeo-
pathic Chemists, London, Eng-
land.

BREAKFAST SUPPER

Epps's Cocoa

Special Agents for the Dominion, **C. E. Colson**
& Son, Montreal.

THE DIESEL ENGINE CO.

At a meeting of the directors of the
American Diesel Engine Co. Hugo Reis-
inger resigned as secretary and treasurer,
and Edwin S. Cramp, vice-president of the
Cramp Shipbuilding & Engine Co. of Phil-
adelphia was elected a director. The In-
ternational Power Co. holds the manufac-
turing right for Diesel engines in the
United States, Canada, Great Britain and
all her colonies.

MINING NOTES.

The total production of iron ore in the
U. S. in 1901, amounted to 23,887,479 long
tons. This exceeds the previous yearly
maxima of 27,553,161 tons in 1900, 24,688,-
173 tons in 1899 and 19,483,716 tons in
1898.

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

A rich strike of gold ore has been made
on the Nome fraction near Ymir, where a
vein averaging eight feet in width and
assaying \$59 to the ton has been discov-
ered. Excitement prevails in the little
town of Ymir which is situated on the
Spokane Northern railway twenty miles
south of Nelson, B. C. In this district is
located the famous Ymir mine which has
an eighty stamp mill, the largest in Can-
ada, and pays about \$200,000 yearly in
dividends.

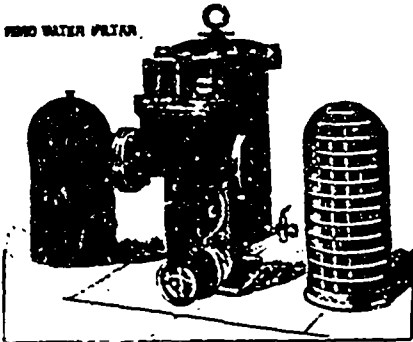
A discovery of iron ore, which promises
to be of high importance, has been made
recently in Western Ontario, near Geo-
rgian Bay. It has been examined by some
of the leading engineers of the lake region,
who pronounced it valuable. A width of
outcrop of more than 100 feet of a slightly
magnetic ore, almost a hematite, has been
traced several miles, running a little west

JOHN KIRKALDY, Ltd.

SAVE FUEL AND COSTLY REPAIRS.
The "COMPACTUM" Patented Specialties.

The Leading Articles on the Market. As extensively used by the British and twenty-one Foreign Governments for Sea and Land purposes, Over 20,000 machines now in use.

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HEATING PLANTS, MAIN FEED PUMPS, SURFACE CONDENSERS and COMBINED CIRCULATING & AIR PUMPS.

Correspondence Invited, On Admiralty List.

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Telegrams: "Compactum, London."

TRADE WITH CANADA.

Firms or persons requiring any information respecting the import or export trade of Canada, are invited to communicate with

THE CANADIAN TRADE REVIEW,
Montreal, Canada.

MINING NOTES.

of north. It is considerably less than 100 miles from deep water on the lakes, and would reach the water at a point less than 40 hours, run from Cleveland. The ore in sight is estimated at not less than 10,000,000 tons, and if the ore does not run into sulphur with depth, as do so many of our Canadian ores, the amount is very much greater than this estimate. The ownership of the property is now in the hands of the Americans who have been closely identified with the steel business and ore mining. The original discovery was made not more than eighteen months ago. It lies in a region that is practically beyond the limits of travel, though close to civilization, and in a district that had not been explored, and not even surveyed until a short time ago.

The threatened strike of the miners in Cape Breton has been declared off. The companies have granted the 10 per cent. increase demanded by the men.

The mining season has opened most hopefully for this district and if the well-based hopes of mining men are realized, we shall see an intelligent endeavor made this summer to wrest the riches from the rocks and to win the gold from the river banks and beds of Lillooet. Our news of the mines in this issue give an outline of the work of the different concerns that have commenced to treat this section as worthy of every attention, and whose operations are to be on a large scale.—Colonist.

Ore shipments from Boundary district for the week ending May 12, are heading their own and total up 12,414 tons from the following mines: Granby mine, 2,

821 tons; Mother Lode, 2,528; Winnipeg, 65 tons; making the total for the year thus far, 172,113 tons. For the purpose of connecting the second furnace just completed, no ore was treated at the Mother Lode smelter. The Granby smelter treated 10,448 tons, making a total of 168,894 tons of ore reduced in the Boundary this year.

Another strike was recently made on the Aurora mine near Moyie, B. C. It being too wet to work in the main tunnel the owners started some surface work about 300 yards to the northwest of the tunnel. There was no surface cropping, but on sinking to a depth of five or six feet a vein of solid galena, three feet in width, was encountered. The ore is of a high grade and the discovery demonstrates more clearly than ever that the Aurora vein is the same as the St. Eugene which passed under the lake.

The Quebec Government, by an Order-in-Council adopted on May 14, fixed the prices to be charged for prospecting for what are termed the inferior metals. It is accordingly ordered to fix at one dollar

is the proof of merit, and no brand has ever achieved popularity so quickly as

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BOBS is selling well in almost every store from the Atlantic to the Pacific.

BOBS IS A BIG PLUG FOR LITTLE MONEY.

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an acre, the following minerals (namely: Peat, bog ore, manganese, ocre, refractory clay, infusorial earth, kaolin, stone (granite, anorthosite, serpentine, limestone, sandstone), ordinary building stone, limestone, common clay, calcareous marl, sand or ordinary gravel. It is also further ordered that for the other inferior minerals which are not mentioned herewith, the price will be four dollars an acre, if these minerals are situated at less than twelve miles from a railway in operation, and two dollars an acre, if they are more than twelve miles from a railway in operation.

Mr. G. Sheldon-Williams, editor of the B. C. Mining Exchange of Vancouver, after a trip to Crofton and the Mount Sicker districts in the interests of his paper, frankly expressed himself as at a loss to adequately describe the enterprise and progress of this now famous district, where a hive of human industry has been literally cut out of the howling wilderness.

The third payment on the bond on the Bayonne group was made on the first of

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Telephone No. 2, Dudley Hill.

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and
STABLES.**

Guildford Street
and
Cookridge Street,
**LEEDS,
ENGLAND.**

Clocks supplied
under the New
Canadian Tariff

MINING NOTES.

the month to George Harrison and Frank Risdon. The bond calls for a total of \$10,000, of which \$6,000 has already been paid, and as the results of the development now proceeding are very encouraging the prospectors are that the full amount will be paid at the proper time. At present close upon 400 feet of work has been done upon the group. Of that the first 100 feet is a crosscut from the end of which drifts are run upon the vein. The vein is reported to be fully 20 feet wide, and to carry good values, chiefly gold, with small silver and lead values.

W. Milno arrived in Nelson from Lardo, B.C., where has been washing for placer gold in the Lardo river. He states that a large number of prospectors have been

working there, although so far little more than wages have been made by any one. The recent rise in the creeks is interfering with the work, but many are making preparations for the summer to be ready when the creeks go down.

The Canadian Pacific Railway has selected the lands granted the Columbia & Western railway by the provincial legislature. In a new map recently issued by the department the reservations are indicated by large blocks in colors. The company has selected lands fronting the lakes and the watercourses. Both sides of the north fork of the Kettle river are included as far as the forks, 30 miles up from Grand Forks and the entire region between that river and the Boundary creek, with the international boundary line as a base line, is also blanketed. These lands can be preempted on the

usual terms, but the money goes to the Canadian Pacific railway. They are open to mineral location.

The resolution adopted by the Grand Forks Board of Trade respecting the silver-lead question is as follows:—That whereas, it is of paramount importance for the protection of the lead industry of this province that a higher rate duty be imposed on pig lead, and its manufactured products, and whereas up to the present time the Dominion government has apparently ignored the importance of this measure; now, therefore, be it resolved, that this Board of Trade request the Dominion government to use no time in taking this matter into consideration with a view of imposing duties as may be effective in giving protection to the above industry.

A Dawson special to the Globe says:—"The Yukon river is nearly clear of ice. Lake Laberge is expected to break up within a few days. The first White Horse boat is expected in a week. There has been no mail out of Dawson since April 20th." Creek sluicing is in full swing. This summer's work is now so extensive that it is impossible to estimate the total output before September. The indications are good.

Mr. Auzias-Turenne has been appointed general manager of the Klondike Consolidated Gold Fields, Ltd., London and Dawson City; capital \$1,500,000. Mr. Auzias-Turenne sailed Saturday last from London on his return to Montreal and the Yukon Territory. Mr. Sutherland Murray is the assistant manager of the company.

At Moncton, N. B., last week final payment on the \$25,000 option held by the Canadian Coal and Manganese Company on the Mount Carlyle Coal Mining property was made to Mr. G. R. Jones by the company. At the outset of the operations of the Canadian Coal and Manganese Company an option on the property was secured from Mr. Jones, who has been working it on a small scale. Prospecting done by the company has been so satisfactory that it has decided to take it over. The company has been mining coal from a small seam for some time, and 200 tons or more is ready for shipment.

Indersoll-Sergeant For * * Tunnels, Mines and Quarries. **Rock Drills**

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COLLIERY WINDING ENGINES,
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Elevators, Hoists, Conveyors.**

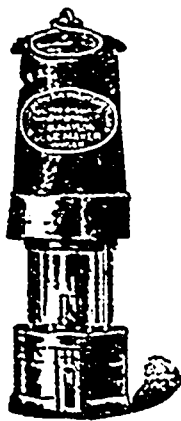
Special Terms under the New Tariff. Telegrams: "ATLAS, St. Helens, ENG. A. B. C. Codes used.

MINING NOTES.

Says the Similkameen Star: In connection with the sale of the Mound and Copper Cliff in Hedley camp to the Standard Oil Co., word has been received that two adjoining claims, the Iron Duke and Exchange, have been bonded by the same company for a sum in the neighborhood of \$50,000.

There has been no trouble at the Mott & Ledo mine. The company has for several months been installing a large crusher plant and making other provisions for considerably increasing its output of ore and at the same time lessening the number of men that will be required to get out the larger tonnage. These preparations were completed two weeks ago, when the working force was reduced by about 50 men. The greater proportion of the ore will henceforward come from quarries already opened on a large scale with extensive bodies of ore looking remarkably well.

The committee of shareholders of the Rossland Great Western and the Kootenay Mining companies have suggested amalgamation. It is proposed, according to the official circular, that the new company be called the Rossland Kootenay Mine,



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PAT. BIFOLD BURNER PETROLEUM MINERS SAFETY LAMP
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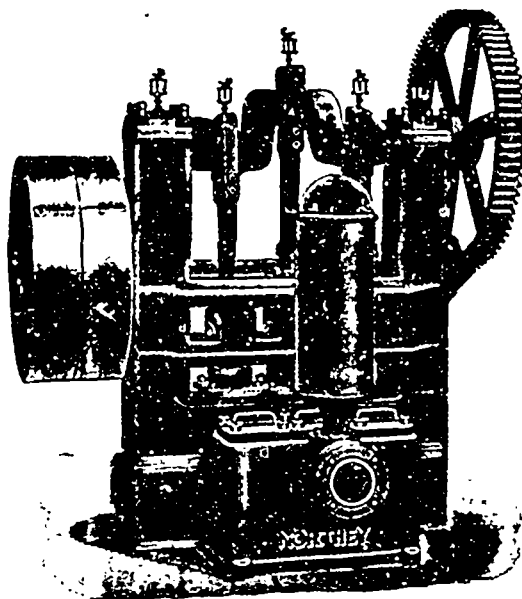
As there are many situations where it is profitable to use a power, driven by belt power from the main engine, direct from a water power, or by electricity, we have designed a Triplex Power Pump by which, under the conditions mentioned, the best results in power used and general efficiency are obtained. Workmanship and materials guaranteed throughout, all sizes.

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LIMITED,

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Ltd., with a nominal capital of £150,000. The circular says: It is not possible to make any accurate valuation of the mines, but it appears that the Great Western property is sufficiently developed to give great promise and that payable ore of good grade has been found so that shipments may be made at once, and that the Kootenay property, on the other hand, has not proved to contain payable ore, that which has been found being of low grade. In those circumstances the Great Western is valued for the purposes of the amalgamation at £74,700, while the Kootenay property is put down at only £15,200. The new company will have an available working capital of £35,000.

The North Star Mining Co., which had been closed down all winter, resumed operations about a month ago by putting on a force of 40 men, sinking deeper and drifting. After working a little over a week, they struck a four foot ledge of solid galena just below the 60 foot level, and about a week ago struck a very rich lead with the diamond drill. A contract has been let for a 600 foot tunnel into this last strike, and altogether everything is looking very promising at the mine. In consequence of the recent activity at the mine, North Star stock has taken a rise of several points, being now in the neighborhood of 25 cents.

The Pioneer of the Rainy Lake mining properties was sold at a Sheriff's sale within the past few days for \$20,000, and was bid in by Joseph Foley, its original owner, who, it is said, was backed by a number of Michigan copper operators. It is proposed to enlarge the stamp mill, to make other necessary improvements and resume development work. The mill will

be enlarged from 20 to 40 stamps. The holdings secured by the original owner and his associates are said to represent a cash expenditure of nearly \$200,000, of which \$46,000 was spent on machinery alone. Messrs. Bristol & Cawthra of Toronto at one time held an interest in the mine upon behalf of their clients, and for a one-eighth interest they are said to have paid \$56,000. The same report states that the olive mine is expected to resume work within the next month, and that Mr. J. B. Kehl, who has a \$5,000 mortgage upon the Golden Crescent mine, might soon take charge of the property.

Steel for the new Canadian Pacific Railway elevator, which the Weber company of Buffalo will build at Fort William is being imported from Germany and Scotland. It was found impossible to obtain the material in the United States owing to the extraordinary demands on the mills.

RECORD BREAKING IRON PRODUCTION.

Iron statistics showed a record breaking weekly output of 352,064 tons on May 1 in the United States, yet a decrease in furnace stocks to 83,859. When consumption is greater than the greatest production in history, it is certain evidence of prosperity, and as this industry is considered the best barometer of all business, the outlook appears encouraging.

Record breaking distribution of wages last Saturday in the Pittsburg region is only one more evidence of the prosperous condition of the iron and steel industry,

Telegrams: "Consistency," Manchester.



Codes: Alfred A. B. C.

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Fibrous Metallic Gland Packing.

No alteration required to existing stuffing boxes
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Used in the British Navy

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While it is obvious that the circulation of about a million dollars must accelerate every other commercial line. Yet much work is delayed by the inability to secure raw material, and the price of billets is advancing despite a considerable quantity of German imports. It is unfortunate that some finishing mills are idle because of delay deliveries, consumers being as urgent as ever. Structural shapes appear assured of a market far into the future, the large volume of business already placed having been swelled during the past week by many contracts for office buildings in the big cities. Pressure for pig iron in Pittsburgh is so great that \$21 is paid for Bessemer delivered within the next three months. Even on shipments during the last half of the year terms are not much easier. The supply of cars for coke transportation is not yet sufficient, and Connellsville output might be increased with some satisfaction. Some operators report their entire capacity sold for the balance of the year.

PRODUCTION OF PETROLEUM.

Since 1893 the output of Russian petroleum has exceeded that of the States. The statistics are as follows (expressed in pounds):

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

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

CROW'S NEST LANDS.

Fifty thousand acres of coal lands in the vicinity of Morrissey Creek, in the Crow's Nest Pass coal fields, have been chosen by the Dominion Government. The right

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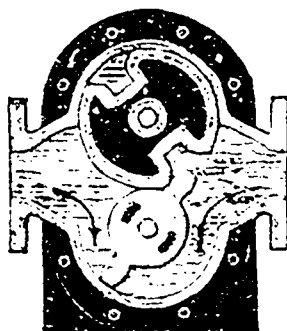
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WRITE FOR CATALOGUE 57.

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was obtained as one of the concessions from the C. P. R. when assistance was given that company to construct the Crow's Nest Pass line. It was estimated that the coal obtained from the C. P. R. in connection with this convention would be worth over \$20,000,000, at an estimated value of five cents per ton, but the money value was not regarded so important as the possession of these coal lands by the Government, which would control the price of coal to the mining centres of that province. There has been considerable activity on the part of the railway company and the Crow's Nest Pass Company as to how this area was to be selected. The action of the Government was taken on the strength of the reports of the officers of the Interior Department and also of a special American expert, who made a

report favorable to the selection of the coal lands around Morrissey Creek some time ago.

WORLD'S PIG-IRON PRODUCTION.

The following table illustrates the course of the world's pig-iron production since 1866. It shows that while British pig-iron production in a single generation rose from 5,000,000 tons to 7,750,000 tons, that of the United States rose from 1,500,000 to 15,878,000 tons, that from Germany 1,226,000 tons to 7,663,000 tons, and that of Russia from 222,000 to 3,100,000 tons.

The following table shows the production of pig-iron in thousands of tons.

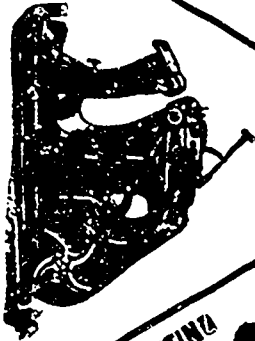
| | 1866 70. | 1816 90. | 1901. |
|--------------------|----------|----------|--------|
| United States..... | 1,464 | 7,079 | 15,878 |
| United Kingdom. | 5,133 | 7,759 | 7,750 |
| Germany..... | 1,226 | 4,147 | 7,663 |

NATIONAL TELEPHONE, STANNINGLEY.

TELEGRAMS: SPLITTERS, BRAMLEY, LEEDS.

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Power Presses. Sewing Machines. Edge Paring

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Ball Punches. Stamping. Hangers and Driving Pulleys.

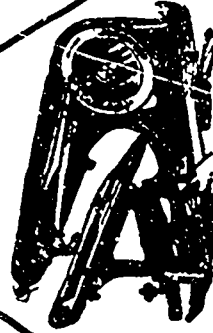
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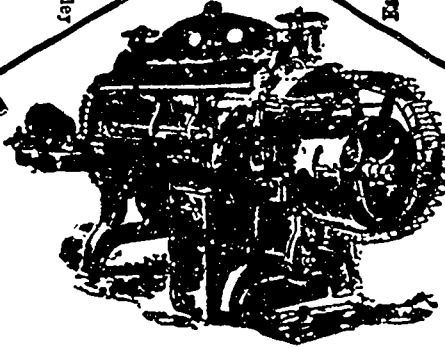
A. Farrar's Patent "Victory" Glazing, or Glazing, Glazing, Pressing or Stamping.

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PERRIN'S



GLOVES

Manufacturers and Importers of Kid Gloves of all kinds and qualities. A complete and well assorted stock always on hand.

| | | | |
|--------------|-------|-------|-------|
| Russia..... | 322 | 682 | 3,100 |
| France..... | 1,201 | 1,666 | 2,262 |
| Austria..... | 223 | 794 | 1,500 |
| Belgium..... | 500 | 768 | 1,020 |
| Sweden..... | 264 | 439 | 510 |
| Canada..... | — | 25 | 245 |
| Other..... | 200 | 600 | 380 |

Total.....10,533 23,659 40,408

The following table shows the percentage of the total contributed by the different countries at each period.

| | | | |
|---------------------|------|------|------|
| United States..... | 14.0 | 21.8 | 32.8 |
| United Kingdom..... | 48.7 | 40.1 | 25.0 |
| Germany..... | 11.7 | 16.6 | 20.5 |
| Russia..... | 3.0 | 2.4 | 6.2 |
| France..... | 11.4 | 9.8 | 7.0 |
| Canada..... | — | 1 | 6 |
| Other..... | 11.2 | 9.4 | 8.8 |

Total.....100.0 100.0 100.0

Telegraphic Address: "CARDERS, BRADFORD."

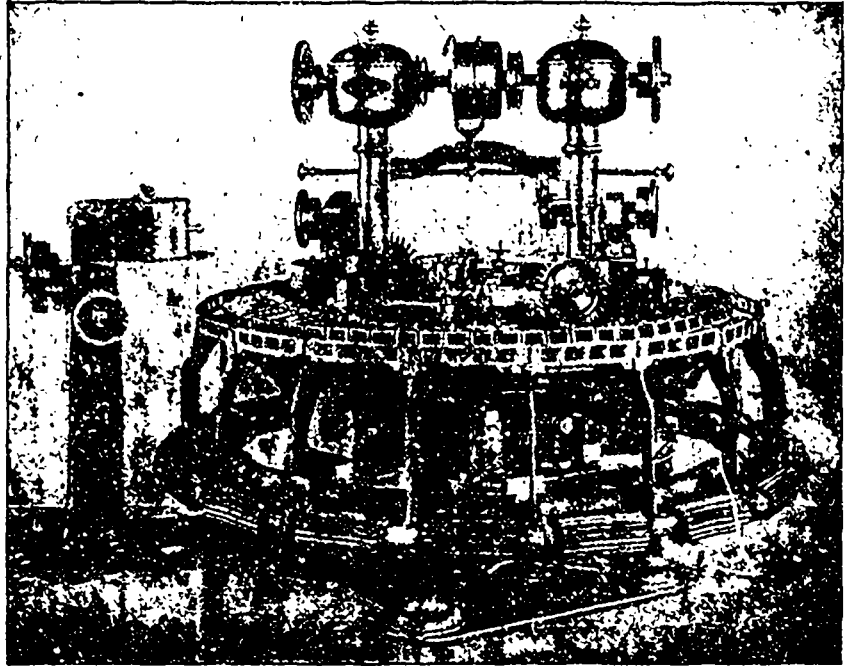
NOBLE'S COMBING MACHINE,

WITHOUT DABBING-MOTIONS

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Patent Automatic
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Patent Wool
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for Wool and other
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QUOTATIONS ON APPLICATION



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The most noticeable feature of the above table is the enormous growth of the proportion claimed by the United States, while the British proportion shows an equally large decrease. In fact, while 35 years ago Britain produced almost one-half of the pig-iron of the world, last year its share had sunk to less than one-fifth. It will be seen that during the period covered by the table the total output has very nearly quadrupled, the production having increased from 17 lbs. per head of the world's population in 1856 to 57 lbs., per head in 1901. The consumption of pig-iron per capita was last year in the United States 455 lbs., and in the United Kingdom 350 lbs. These two countries with only 8 per cent. of the world's population,

consumed 55 per cent. of the total iron output. What an enormous increase is still possible in the demand for iron, may be judged from the fact that, if the rest of the world increased its annual per capita consumption to only 100 lbs., this would necessitate an annual production of slightly over 88 million tons, as against the present production of 40 million tons.

THE WORLD'S SHIPMENTS.

The world's shipments of wheat and flour as wheat, from the chief exporting countries since July 1, 1901, to date, except Argentina, being from January 1, 1902, the commencement of the cereal year in that country, follow:—

| | This year. | Last year. |
|--|-------------|-------------|
| | Bushels. | Bushels. |
| United States | 219,167,000 | 180,985,000 |
| Russia..... | 65,037,000 | 63,415,000 |
| Danubian..... | 27,816,000 | 30,252,000 |
| Argentina..... | 13,792,000 | 19,085,000 |
| Total..... | 325,812,000 | 293,737,000 |
| Shipments of corn from the chief exporting countries as noted above follow:— | | |
| | This year. | Last year. |
| | Bushels. | Bushels. |
| United States..... | 25,655,000 | 160,068,000 |
| Russia..... | 30,947,000 | 5,849,000 |
| Danubian..... | 46,833,000 | 13,778,000 |
| Argentina..... | 3,989,000 | 5,428,000 |
| Total..... | 107,874,000 | 185,117,000 |

TALBOT & Co., Ltd.
(LATE GEO LAZERBY & Co.)

GLASS MERCHANTS

Ventilators and Casements.

EMBOSSING.

CITY STAINED GLASS WORKS,

Studios:—
LEEDS BRIDGE.

OFFICES AND WORKS:—
Bowman Lane,
Three Minutes walk from BRIGGATE

LEEDS, ENGLAND.

BAILEY & CLAPHAM,

Heating and Lighting Engineers.

The

“A. B. C.”

Acetylene Gas

Generator,

Purifier,

Burners,

Governors,

Calcium Carbide.

PURE ACETYLENE GAS

No Smell or Odor.

Eagle Works - KEIGHLEY, ENGLAND.

Special Terms to Canadians under the New Tariff.

GRAVENS, LIMITED,

DARNALL,

SHEFFIELD, ENGLAND.

Makers of every kind of

RAILWAY CARRIAGES AND WAGONS

WHEELS & AXLES,

WROUGHT & CAST

IRONWORK,

ALSO TRAMCARS.

Telegrams: Craver, Sheffield.

The MacDonald potteries at St. Johns, Que., which have been idle for some years, have been purchased by United States capitalists, who will equip the plant with modern machinery and manufacture a superior line of Canadian-made ware. About 400 men will be employed. The amount paid for the potteries has not been made public.

England's gold imports from South Africa in April, as shown by the Board of Trade returns, were \$3,487,000 as against \$629,500 in April, 1901. As against this,

however, England had last month to ship \$1,750,000 gold coin to Cape Town, whereas none went in April of last year. During the four completed months of 1902, England's gold imports from South Africa have been \$6,733,000, against only \$881,000 for the same months last year.

More than 10,000 tons of wire, wire nails and iron pipe were exported last month by Philadelphia and other Pennsylvania plants to various parts of the world. This tonnage is an increase of more than 65 per cent. when compared with similar exports made during March,

NEW DEPUTY MINISTER.

It is announced that Mr. G. F. O'Halloran, of Montreal, has been selected for the deputy ministership of agriculture, rendered vacant by the death of Mr. Scarth. Mr. O'Halloran is an advocate of some seventeen years standing, and a member of one of the city's leading legal firms. He is regarded as possessing good qualifications for the position, which, in connection with the administration of the copyright and patent laws especially has to deal with many matters in which trained legal knowledge is of great value.

JOHN POUND & CO.,

MANUFACTURERS OF

Portmanteaus.

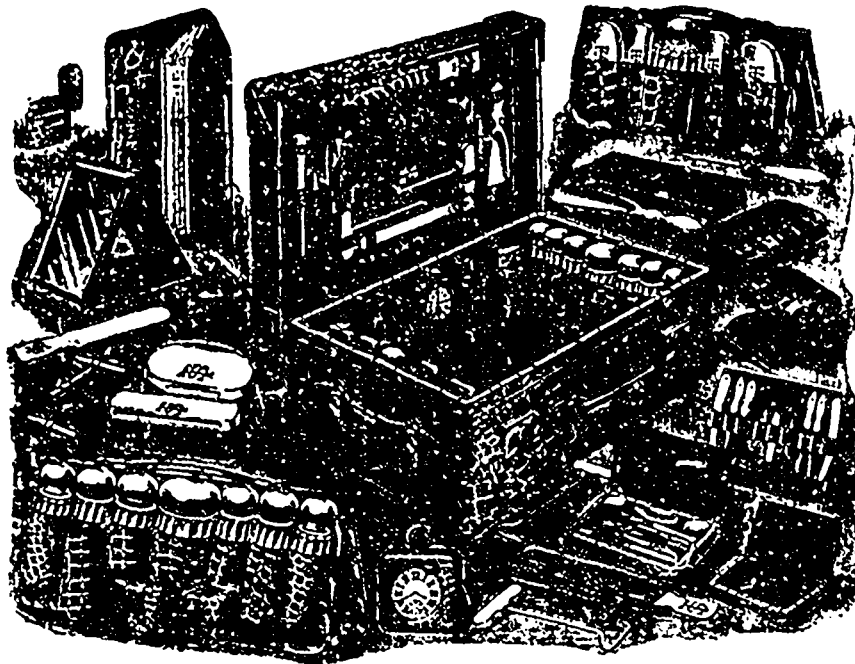
~
Dress
Baskets.

~
Overland
Trunks.

~
Imperial
Trunks.

~
Compressed
Trunks.

~
Hat Cases
etc.



Gladstone,

Kit,

Brief,

Dressing,

Hunting

Kit,

And

Sample

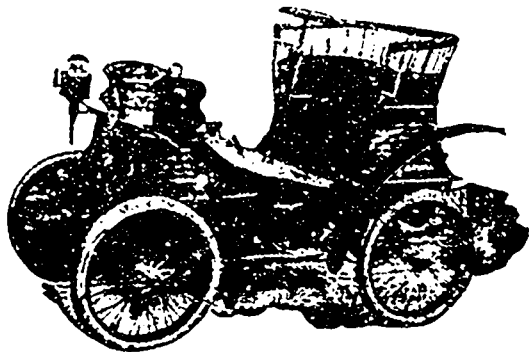
BAGS.

Illustrated Price List free on Application.

Works-Whitechapel & Westminster. LEADENHALL ST., LONDON E.C. ENGLAND.

THE Yorkshire Motor Car Manufacturing Co., Ltd.

HALIFAX - - ENGLAND.



Manufacturers of

HIGH CLASS MOTOR CARS,

Either of

OIL or ELECTRICITY.

Special Prices to Canadians under the
New Tariff.

A NEW LAND COMPANY.

The Saskatchewan Land Company, with a capital of \$3,500,000, has been organized to purchase 1,000,000 acres of land in the Saskatchewan Valley. The men composing the corporation are Minneapolis, Duluth and Chicago capitalists. Mr. A. D. Davison of Duluth is President. The purchase is one of the largest ever recorded in Canada.

The conditions of world-power are changing, according to the Sydney Bulletin's idea, from the ship to the railroad engine. It thinks that when the various world lines now being built are completed, the control of sea power will slump considerably in value. Of course, the time must come when the British possessions in Asia and Africa will be accessible from Europe by land, and the control of the sea will no

longer be a guarantee of their safety. The expansion of railways make that inevitable.

Veronese Limited.

Veronese Limited, of New King's Road, Fulham, London, S.W., are manufacturers of fibrous plaster and sole proprietors and makers of gypsite decorations. These gypsite cornices, friezes, mouldings, wall and ceiling panels are far superior in texture and sharpness of ornament to the numerous embossed and raised papers and pulp productions, and compare favorably in price. All the productions are light, durable and easily fixed, and in every way adaptable to high-class decoration. The cost of bracketing is dispensed with for the cornices, which are on strong grounds, and only require light battens on

JOSEPH COOKSON

Established 1868.

Manufacturer and Bleacher of
all kinds of

COTTON CLEANING WASTES, ROPES, TWINES & CORDAGE.

Sponge Cloths, Lamp Wicks and
Cottons, Flags and Bunting,
Waddings and Wools.

Scourers, Dusters and Towels, Mops
and Flocks, Canvases (all kinds).

Head Office:

Wellington Mills, Liverpool Rd.,
MANCHESTER, ENGLAND.

Joseph Jackman & Co.,

**Persberg Steel, File and Tool Works
Attercliffe Common, Sheffield, ENGLAND.**

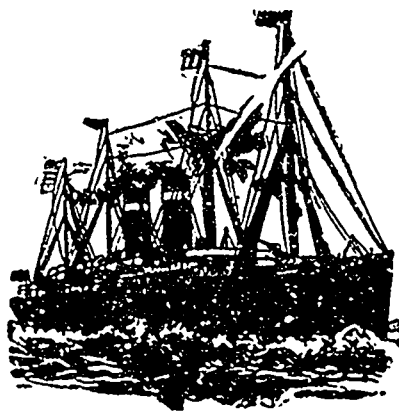
JACKMAN'S SPECIALTIES . . .

"Big J" Self-Hard High-Speed Tool Steel.--For Heavy and Quick Turning, Planing, Boring and Cutting Tools, Nail Cutters, Hot Punches, &c. **Diamond and Special Silver Cast Steel.**--For Turning Hard Chilled Rolls, Cutters, Boring, Slotting, Turning and Planing Tools, &c. **Silver Cast Steel.**--For Dies, Cutters, Chasers, Turning, Boring, Planing and Slotting Tools, Hobs, Taps, Drills, Rose Bits, Reamers, Chisels, Mill Bills, Cups, Snaps, Punches, Beds, Stamping and Mint Dies, Swords, Bayonets, Milling Cutters, Saws, Shear Blades, Marks, Plane Irons, Needles, Springs, Magnets, Surgical and Dental Instruments, &c. **Best Cast Steel.** For all kinds of Mechanical, Engineering, Boiler Making, Ship Building, Railway and Mining Purposes, &c., **Warranted Cast Steel.**--For Miners' Drills, Quarrying, Channeling and Stone-Planing Tools, Smiths' Tools, Lathe Centres, Mandrels, Hammer, Picks, Wedges, Scarifiers Jumpers, &c. **"Jackmanized Steel."**--For Motion Pins for Locomotives, Crosshead Pins for all kinds of Engines, Guide Bars for Engines, Dredger Bucket Pins, Built up Crank Pins, &c., &c.,

This material is substitute for case-hardened iron and steel.

**MILLING CUTTER DISCS, DIE FORGINGS, HAMMERS,
AND SOLID STEEL TOOLS OF ALL KINDS.**

Special Rates to Canadians under the New Tariff.



**ALLAN LINE
Royal Mail Steamship Co'y.**

82 Steamers
ESTABLISHED 1852. Aggregating 187,845 tons.
Tunisian, 10,000 tons, Twin Screw.
Bavarian, 10,000 tons, Twin Screw.
Corinthian, 8,000 tons.
Sicilian, 8,000 tons.
MONTREAL, QUEBEC & LIVERPOOL

Calling at Moville.
Rates of Passage.
CABIN--\$60 and upwards. A reduction of 5 per cent is allowed on return tickets.
SECOND CABIN--To Liverpool, London or Londonderry, \$35 to \$40 single; \$68.50 to \$76 round trip.
STEERAGE--Liverpool, London, Glasgow, Belfast, or Londonderry, including every requisite for the voyage, \$23.50.
Glasgow and Montreal.
New York and Glasgow Service
London and Montreal.
H. & A. ALLAN.
25 Corn Wall Street, Montreal

Established 1864.

Hill, Rhodes & Wilkinson Ltd.,

Registered Office--
24 Richmond Road, Bradford ENG.
Telegrams, "SPONGE, BRADFORD."

Manufacturers of
Silk sponge cleaning cloths, used by the principal Engineers and factories in England for cleaning purposes, absorbent, soft, and as cheap as the ordinary cotton sponge cloths.

Their great advantage is safety from FIRING when greasy.
2 Qualities, in sizes 22 by 15 22 by 18 22 by 20. Samples and Quotations on application.
Factories:--
**APSLEY MILLS,
PERSEVERANCE WORKS, BRADFORD,
And at Shipley.**

D. MEYERS

Stock Broker.

Stocks, - Cotton, - Grain.
New York stocks bought and sold for cash or on margin. No interest charged, Commission one quarter per cent
Stock Exchange Building,
Montreal.
Phone Main 2701.

ceiling and walls. The ceiling panels are easily fixed to an existing ceiling or smooth surface and are secured with light brads and glue paste. Besides this the cost of packing for shipment is small.

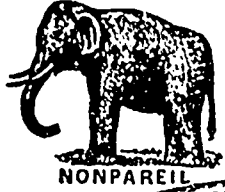
It is understood among the manufacturing industries in the city that the Dominion Government will establish the trade bureau in London, Eng. as petitioned to do by the Canadian Manufacturers' Association. It is understood that the matter is virtually settled and that a Trade Commissioner will shortly be appointed and placed in charge. It is believed that, with a bureau of this character presided over by a competent trade commissioner, and employing a first class staff, the Canadian manufacturers will have facilities for introducing their goods into the English market in a manner heretofore unknown.

W. D. Verschoyle, M. E., the British expert, now in Vancouver, is responsible for the statement that many enquiries are being made by the big iron firms in the east regarding the iron deposits of the Pacific Coast. He says one big deal involving large American capital is now being engineered, by which numerous iron properties on Vancouver Island, looked upon for many years as practically worthless, will pass into the hands of eastern American iron manufacturers. The first payment has been made on this deal. He says that before the end of the year large iron firms would be operating in

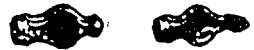
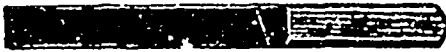
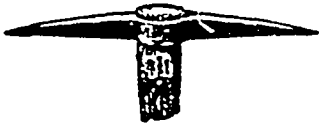
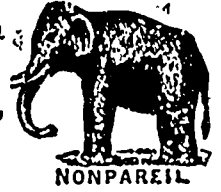
W. TYZACK, SONS & TURNER.

ESTABLISHED 1812.

LITTLE LONDON WORKS, SHEFFIELD, ENGLAND
 TRADE MARK, MANUFACTURERS OF, TRADE MARK.



STEEL FILES, SAWS, HAMMERS, PICKS, AND MINING TOOLS,
 SCYTHES, SICKLES, HOOKS, HAY KNIVES,
 Chaff Cutter Knives, Reaper and Mower Machine Sections,
 AND EVERY DESCRIPTION OF MACHINE KNIVES.



Southern Alaska, as well as in British Columbia, and preparing to turn out iron and steel, on a scale commensurate with the magnitude of the markets they intended to compete in.

The Brackman Ker Company, Edmonton, N. W. T., have made another contract with the Imperial war office for 5,000 tons of oats. The company found that the order could be filled more advantageously in the Pacific states. The shipment will be made from Seattle, where a steamship will load within a few days.

TRADE WITH JAMAICA.

In anticipation of the visit to Jamaica of the delegates from the Canadian Manufacturers' Association, a joint committee of the Jamaica Society of Agriculture and Commerce and the Merchants' Exchange met to consider certain points which should be submitted to their visitors from Canada. The report of the Jamaican meeting has been received by the Department of Trade and Commerce. It suggests that the Canadian Association should investigate rates on steamers from Canadian ports compared with those from United States ports, and if it were found that Canada was in any measure handicapped the association should at once take steps to have the matter adjusted. It is also suggested that the Canadian Manufacturers' Association should procure through freight rates to and from Canadian ports equal to those via United States ports. Referring to the products of Jamaica which Canada might take, the report mentions that Jamaica produces 20,000,000 bunches

BLUNT & WRAY,

19 & 21 BURY STREET,
 LONDON, W.C., ENG.

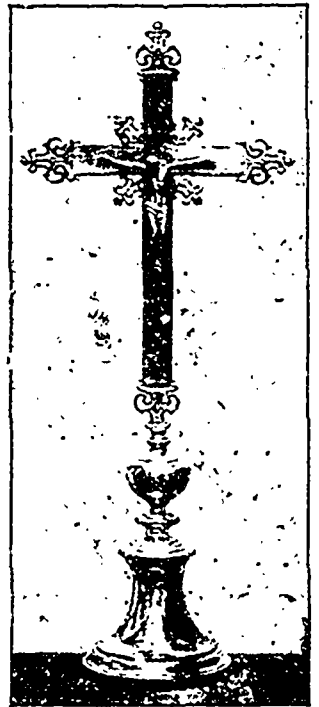
Manufacturers of:

Chalices. Tabernacles. Ciboria.
 Flagons. Monstrances. Altar-
 Rails. Crosses. Candlesticks.
 Alms Dishes. Lecterns. Sanc-
 tuary Lamps. Thuribles.

MEMORIAL BRASSES

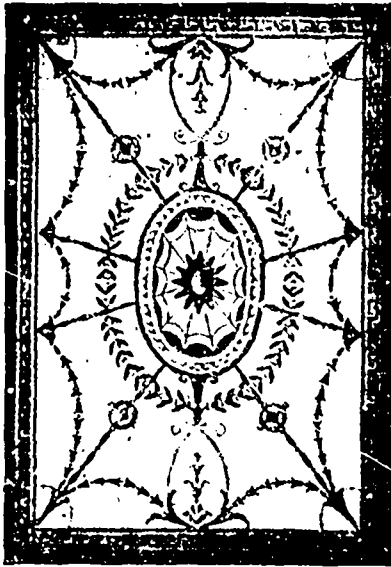
Standards. Pendants. Brackets.
 Gas, Electric, Candle, and Oil,
 Etc.

Designs, Estimates and Full Information,
 Free on Application.



of bananas in the year. Canada consumes about 600,000, of which only 12,600 came from Jamaica. With regard to oranges, Jamaica produces about 100,000,000 oranges. The Canadian consumption is 40,000,000, but only 4,000,000 come direct from Jamaica. It is suggested that there are good openings in Canada for Jamaica

sugar and coffee, while Canadian flour should find a much better market there. The importations amount to 14,881 barrels, of which only 1,500 come from Canada. The delegates did not recommend that Canada should be given any special preference in Jamaican markets, believing that the natural conditions of the respective colonies were in favor of a mutual trade,



“CLOISONNE GLASS.”

A New Decorative Material, Transparent and Opaque.

Prices
from
3s per squarefoot.

The
CLOISONNE GLASS
CO.

Made
in
England.

66 Berners Street, Oxford Street,
London, W., ENGLAND.

Our decorative glass is supplied to Canadians under the new preferential tariff,
33½ p.c. in favor of Canadians.

Manufacturers of



SPECIAL CYLINDER AND VALVE OIL

As supplied to the Admiralty.

THE ABOVE ARE ALSO LARGELY IN USE BY LEADING CONSUMERS.

JOHN A. BREMNER & CO.

Albert Street, Manchester,
ENGLAND.

For MARINE and STATIONARY
ENGINES, SPINDLES, LOOMS,
LATHES, &c.



Cardiff: 123 Bute Docks. Liverpool: 8 Old Churchyard. Newcastle-on-Tyne: 1 Akenside Hill. Glasgow: 79 West Regent Street.

Granite, Marble & Mosaic Workers.

Plain and Enamelled Slate Work. Marble Staircases. Balustrades, Monuments, Fountains, And Marble, Alabaster, Granite, and Mosaic Work of every description. Opal Tiling In nearly all Colours. Pavement Lights. Mosaic, Marble, Ceramic, & Tile Floors,
F.O.B. LONDON.

JOHN BENNETT & Co.,

32, Guilford street, London, W.C. ENGLAND.

THE SEAL CATCH.

According to advices which have reached the Fisheries Department, the spring sealing catch is a most disappointing one. Twenty-one schooners have returned home, but unless the schooners still to be heard from do much better than those which have arrived, the average catch will be far below that of last season when an average catch of 226 tons to the schooner was made. The catch of 21

schooners amounts to 2,875 skins, an average of about 137 skins to the schooner, 89 skins to the vessel less than was taken last year. The cause of the falling off in the catch was not due to any decrease in the seal herds, for the seal was seen, but the weather was so bad that the hunting days were so few and far between that the hunters could not get them. Some of the schooners had but two hunting days during the stormy month of February, and not many more in March.

PREFERENCE WAY OPENED.

In the British House of Commons, Sir Henry Fowler directly challenged the government to say that the duties on wheat and flour were not the first step in preferential treatment of the colonies. He said it was impossible that the British ministers now refuse to reciprocate Canada's preferential tariff by saying it is against British policy to give preferential duties. Canada would reply that it only wants to be put in the same position as Britain, for we are all members of the same empire, with common interests. In fact, Sir Henry Fowler added, this may be the commencement of a great Zollverein of the British Empire.

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

JONAS

Gas Engineers, Contractors, and
Carbonizing Plant
Specialists.

Installations of
Erected
Up-to-date

DRAKE

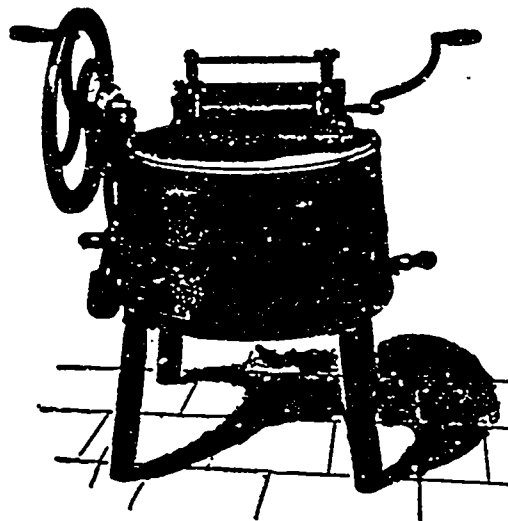
Inclined Retorts
complete on
Principles.

Retort Benches and Improved Settings, with Generator or Regenerator Furnaces.

HALIFAX, ENGLAND.

Special terms to Canadians under the New Tariff.

& SON.



MURTON & VARLEY.

Awarded 12 Gold and Silver Medals. Highest Awards Wherever Exhibited.

Speciality:— **THE PATENT "NEW CENTURY" WASHER.**
"Lever Motion" and "Rotary Motion."

We claim this to be the most efficient Washer yet put on the Market, can be worked with far greater ease than any other make, and will do a family's washing in half the time possible with the old fashioned Washers.

Particulars and Prices, also General Catalogue upon Application.

... Makers of Every Description of ...

Washing, Wringing and Mangling Machines, Garden Seats and Chairs, Garden Rollers, Turnip Fingerers, Slicers and Pulpers, Oil Cake Breakers, Chaff Cutters, Fruit Dressers, Step Ladders, Sack Trucks, Morticing Machines, Saw Benches, Band Saw Machines &c., &c.

MANUFACTORIES:

Anchor Works & Victoria Works, KEIGHLEY, ENGLAND;

Special Terms to Canadians under the New Tariff

MONTREAL STREET EARNINGS.

The April statement of earnings made by the Montreal Street Railway was somewhat more satisfactory than previous monthly returns, although the decrease in the surplus for the seven months of the fiscal year has not entirely been overcome. The gross earnings for April showed a gain of \$9,596, and there being a decrease of \$9,422 in the operating expenses, the net earnings exhibit a gain of \$19,018. The fixed charges continue heavy, however, and show a gain of \$6,559 for the month; and \$41,871.62 for the seven months. The operating expenses during the same period are also \$26,536 heavier than last year, so that although the gross earnings for the seven months show an increase of \$76,293, the surplus shows a decrease of \$2,114.

The Dominion Government has passed an order-in-Council selecting 50,000 acres of coal lands in the vicinity of Morrissey Creek, in the Crow's Nest Pass coal field. The area is that recommended by Col.

Taylor of Pittsburg. Mr. J. McEvoy, who made a geological examination of the Crow's Nest Pass coal fields, with a view of determining the extent and relations of the coal deposits in that area, speaks very highly of the coal seams in the Morrissey district. An officer of the Interior Department, who has some special knowledge on this subject, says that there is enough coal in the lands selected by the Government to clear off the public debt of the Dominion.

It is understood that several pulp mills are to be built in the vicinity of Port Arthur. C. H. Vogel, pulp mill engineer of Ottawa, is in the West now, and it is understood that he has been engaged to build these mills, though nothing definite has been settled. It is almost assured that with the taking over of the recently purchased Ottawa and Gatineau Railway by the Canadian Pacific Railway several pulp mills will be built in the Gatineau district. The McLaren pulp mill, which was recently opened at Buckingham, Que., is making satisfactory progress.

W. H. WALSH,

Merchant

and Tailor.

COR. ST. JOHN & NOTRE DAME STS.,
MONTREAL.
Telephone 2804.

GET THE BEST

And at Same Time the CHEAPEST.

HEARLE'S ANTI-SCALE POWDER,

The unequalled Boiler Purge.

Send for Circulars with Testimonials.

O. C. HEARLE,

623 Leguachetiers St., Montreal, P.Q.

ELLIOTT HALLAS & SONS,
LIMITED.

Tanners, Curriers, Leather Factors
and Belting Manufacturers.

Specialty:—

Raw Hide Belting.

Huddersfield, - - ENGLAND

James Porritt, Agent

ALMONTE, ONT.

IMPROVED GUILLOTINE SQUARING SHEARS

For Cutting Tin and other Plate Metals.

Established 1674.

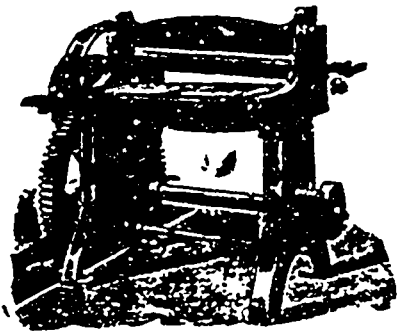
Telegraphic

Address:—

"Paragon,
Wakefield"

To cut 3-16 inch
thick.

Fitted with
Improved Clutch.



BLACKBURN & CRAWSHAW,

(Sole Proprietor THOS. BLACKBURN)

Paragon Works, Wood St., Wakefield, ENGLAND.

BRAMIGK & Co.,

22 Red Lion Square, London, w.c., ENGLAND.

Telegraphic Address: "BRAMIGK, LONDON."

SPECIAL MACHINERY FOR

SWISS MILK CHOCOLATE - & - CHOCOLAT FONDANT.

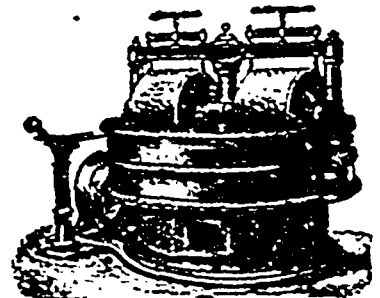
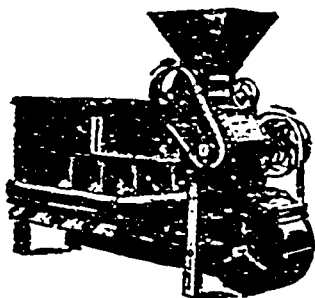
SPECIALITIES FOR

Manufacturing

Confectioners

and

Chocolate Makers.



Notice.—Kindly note that on and after the 22nd March, 1902, we shall occupy our new and extensive premises situated in the City, very close to the Mincing Lane Markets and opposite the junction of Fenchurch and Leadenhall Streets, at **No. 5 Aldgate, London, E.,** where we shall be able to make a more comprehensive show of our goods than hitherto, as well as display a large range of Chocolate, Cocoa and Confectionery Machinery in motion. We solicit the continuance of your goodwill.

FRANK T. H. NYE,

Agent and Broker for
Mine Owners and
Manufacturers.

Telegrams 1—"Pigments, London."

Lead Products, Oxide of Zinc.—
Green, Red and Yellow Seals.
— Grey Oxide of Zinc,
Colors. — Fine and
Chemical.—every
kind for all
purposes.

India House, 84 Leadenhall St.,
London, E. C., ENGLAND.

The mill is operating at about half capacity, but will shortly have on a full staff. The product will be sold principally in the European markets.

Contrary to somewhat general expectations, it is not the intention of the Postmaster General to issue a series of the Canadian Postage stamps in commemoration of the coronation.

MANITOBA WHEAT.

The protracted spell of unfavorable weather has retarded wheat seeding to such an extent that in spite of the large amount of new land bought under cultivation by recently arrived settlers, as well as old homesteaders, it is doubtful if there will be any very material increase in the

acreage of this cereal, although several points report an advance, Mariapolis being as high as 20 per cent., but the difference will be fully made up in the coarser grains, oats, barley, and speltz, which pay equally as well as wheat, and the crop will thus be a very large one. The sowing average may be five, ten or even more days later than last year, but the farmers have such modern equipment and up-to-date machinery now that this is not a serious handicap, and they seem to regard the increased moisture in the land as more of a benefit than an hindrance. The crop is being well put in, as a good deal of ploughing has been done, and judging by the reports, throughout all the vast wheat belt there will be very little

Telegraphic Address, "BRIDGE," Motherwell.

THE MOTHERWELL BRIDGE CO., LIMITED.

Builders of

**Iron & Steel Bridges
Roofs, Tanks,**

AND ALL KINDS OF GENERAL
STRUCTURAL WORK,

Motherwell Bridge Works,
MOTHERWELL,
Near Glasgow, SCOTLAND.

Correspondents will kindly
oblige by mentioning the "Trade
Review" in corresponding with
advertisers.

wheat unsown. Indeed, some places re-
port from 60, 75, up to 90 per cent., as
seeded. The sowing of oats is also well-
advanced in all parts.

WORLD'S COMMERCIAL DIVISIONS.

Africa occupies fourth place in the list
of the grand divisions of the world in its
consuming power in relation to interna-
tional commerce, the imports of the grand
divisions being, at the latest available
date, in round figures: Europe, \$8,300,-
000,000; North America, \$1,800,000,000;
Asia, \$900,000,000; Africa, \$430,000,000;
South America, \$375,000,000, and Ocean-
ica, \$325,000,000. Of this total of \$11,630,-
000,000, the United States supplies 5 p.c.,
in the case of Africa, 10 p.c. of the imports
of South America, 10 p.c. of those of Asia
and Oceanica, 14 p.c. of those of Europe,
and 40 p.c. of the imports of North Amer-
ican countries, exclusive of the United
States.

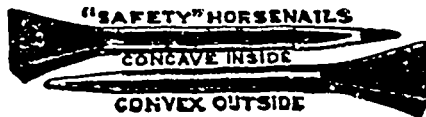
Quebec is to have another timber sale
on June 3. About 2,500 square miles of
timber limits in various parts of the pro-
vince will be offered at upset prices. Be-
sides the bonus price at which each lot is
knocked down, the purchaser will have to
pay a ground rent of \$3 per square mile,
a fire tax, and the stumpage dues on all
the timber taken off.

There will be no observance of the
King's Birthday in Canada this year.
May 24th is now a permanent Dominion
holiday, and will be observed as such
throughout Canada. There can be no
change from this date to Monday to suit
the convenience of merchants and others.
Tuesday, June 26th, will be observed as a
public holiday. A Governor-General's
proclamation making the holiday legal
will be issued in due course.

HORSE NAILS. SLOTTED RIVETS.

HORSES CHEAPEST BOON—preventing pres-
sure, lameness, festering, splintering, clinch-rising
and renailing.

The Japanese Government, Royal Vets., and
Contracting Farriers use "SAFETY" NAILS
—saving iron enormously.



Pat. "FASTENERS," CAPS & WASHERS

In great variety, for the manufacture, by machine
or hammer, of Heavy Harness, Belts, Trunks, Can-
vas and Rubber Goods, Hose. For easy repair of
above, and coal sack mending. In boxes of 144 and
1,000.

3-16 in. to 7-16 in. No. 9 tinned slotted
brass rivet and patent cap to prevent
the points damaging or weakening
materials when making Belting, Mil-
itary Accoutrements or Harness.



Telegrams, "Horsenall, London."

Wholesale and Export from Patentee.

A. W. KNIGHT, 4 Upper St. Martin's Lane,
London, W.C., ENGLAND.

PARK LANE PATENT LAMP.

This LAMP is specially
designed and constructed
to meet the requirements of
the Mines Regulation Act,
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and also of being readily
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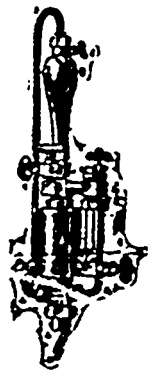
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This column is to furnish Advance Reports of Building Projects, before the Closing of Contracts, for the special use of Material Men, Supply Men, Manufacturers, Builders, Architects, Roofers, Plumbers, Gas Fitters, Bridge Builders, Foundrymen, Hardware Men, etc.

Any of our subscribers who write to parties referred to in our Contract Column will oblige us by naming the **TRADE REVIEW** as the source of their information.

SCHOOLS, CHURCHES AND PUBLIC BUILDINGS.

Fred Gelineau, Ottawa, will receive tenders until June 3 for the erection of a post office at Clinton, Ont.

Architect Russell, Winnipeg, is preparing plans for a large modern manse to be erected by the Fort Rouge congregation.

The estimates for the Mary St. school, Toronto, has been cut down to \$33,000, and it is now expected that the board will authorize that the school be built.

The Waterloo Library Association, Waterloo, Que., has appointed a committee to call for tenders for the erection of a two-storey library building 39x30 feet.

A large addition to St. Joseph's Hospital, London, Ont., costing several thousand dollars, is to be made shortly.

The stewards of St. Agnes church, Car-

berry, Man., have decided to erect a new church at a cost of \$5,000.

The best ideas in the new New York Stock Exchange building will be incorporated in the structure which the Montreal Stock Exchange will construct in this city in the near future.

The School Board of Winnipeg, Man., has decided to have plans prepared immediately for a six room addition to Norquay school.

George Browne, architect, Winnipeg, is taking tenders on stone and brick building at Hamlets for Union Bank of Canada.

The Young Liberal Club of Winnipeg have decided to erect a four-storey club building at a cost of \$50,000.

It is reported that the Bank of Nova Scotia will erect a large office building at 39 and 42 King St. west, Toronto.

A new Catholic church will be erected in Wallacetown, Ont.

A new town hall will be built in Brace Mines, Ont.

Plans will be submitted at the June session of the county council for new registry at Watford, Ont.

Tenders for erection of brick and stone court house will be received by C. A. Campbell, Frontville, N.S., up to May 31st.

Plans, as prepared by K. Arnoldi, for

proposed Board of Trade Building, Ottawa, show a three storey building to cost \$30,000.

The Hygiene and Statistics Committee will recommend to Council of this city that the new civic hospital be built on the east side of Fletcher's field.

The Montreal Amateur Athletic Association will erect a new building to cost \$15,000.

Mr. D.R. Brown, architect, Montreal, is preparing plans for the new Olivet Baptist church which will have a capacity of 600 and cost \$60,000.

M. Moyna, Orilla, Ont., will receive tenders until June 5 for erection of a convent.

H.P. Smith, architect, Kingston, Ont., will receive tenders until May 28 for the erection of a stone and pressed brick presbytery building at Wolfe Island.

RAILWAYS, BRIDGES, & CANALS.

The Canadian Northern will build an extension from Emerson, Man., east for a distance of 30 miles.

The C.P.R. will build a line from Labelle to Nemiquic, a distance of 25 miles.

The order-in-council granting the G.T.R. permission to erect an elevator at Windmill Point, will be passed at an early date.

The Commissioner of Public Works, Fredericton, N.B., will receive tenders until June 2nd for rebuilding Buckwheat

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bridge, Parish of Peel, Carleton; and also for rebuilding McCain's bridge, in the parish of Wicklow, in the same county.

The G.T.R. will build a station at Weston, Ont.

The new station to be built by the C.P.R. at Brampton, Ont., will be 65 by 24 feet stone and pressed brick, slate roof, cost \$10,000.

It is understood that the Canadian Northern Railway will erect a modern depot to cost \$16,000, at Portage La Prairie, Man.

It is said that the C.P.R. has in view the erection of a large central electric power house of sufficient capacity to run the elevators and furnish light for docks at Fort William, Ont.,

Plans have been prepared for the new G.T.R. tender shops to be erected in Stratford, Ont.

Henry J. Bowman, C.E., Berlin, Ont., will receive tenders until June 3rd for a 136 ft. steel bridge at New Hamburg, and stone or concrete abutments for same.

S.E. Mitchell, Pembroke, Ont., will receive tenders until June 18 for the construction of a stone or steel bridge over the Bonnechere river at Eganville, Ont.

WATERWORKS, SEWERS, PAVING, LIGHTING, ETC.

Hon. J.I. Tarte Minister of Public Works has issued orders to invite tender for wharf improvements at Quebec.

Fred Gelinas, Ottawa, will receive tenders until June 3 for furnishing and installing an electric light plant at the quarantine station Williams Head, B.C.

The Toronto Council has given notice of its intention to reconstruct the asphalt pavement on Bay St., from King to Front St., cost \$7,430.

E.B. Smith, Aisle Craig, Ont., will receive tenders until June 14 for construction of about 18,000 square feet of concrete sidewalk, 7,000 square feet of curb and gutter, 3,000 square feet of street crossings and 2,000 square feet of inside retaining walls

The council of Granby Que., has appropriated \$4,500 for the construction of sewers.

The corporation of Waterford Ont., will lay 5,000 feet of cement sidewalks and 200 feet of crossing this season.

It is proposed to submit a by-law to the ratepayers of Toronto to raise the following sums: Extending Berkeley street steel

pipe, \$3,000; cattle market improvements, \$25,000; clock, Ossington avenue fire hall, \$1,400; 25 kilowatt dynamo, \$2,000; Liberty St. and Jefferson avenue main, \$1,520; crib work for Bay St., \$9,000; New waterworks boilers, \$15,000.

Geo. J. Kimaird, Edmonton, Alta., will receive tenders until June 16 for the following works: 1) All labour for laying water mains, sewers and appurtenances; 2) Furnishing materials for and erecting a power house for the waterworks and electric light purposes; 3) Furnishing and delivering cast iron pipes and specials; 4) Furnishing and delivering hydrants and valves; 5) Furnishing and delivering sewer pipes and junctions.

The Duncans Waterworks Co. has engaged E. M. Skinner to make surveys for proposed waterworks system at Duncans, B.C. A dam will be built on Skinner's creek.

It is proposed to submit a by-law to the ratepayers of Cornwall, Ont., on June 17 to raise \$11,000 for changes in pump house, purchase of water wheel and power plant and erection of wheel house for waterworks system.

MUNICIPAL & OTHER DEBENTURES

S.T. Hooper, Rapid City, Man., will receive tenders until May 31st for the purchase of \$8,000 debentures.

GOLD MEDAL PARIS INTERNATIONAL EXHIBITION, 1889.



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ENGLAND.

This city is advertising for its new \$2,000,000 loan. The loan is for the purpose of retiring matured debentures. Nothing less than 98 will be accepted. The tenders will be received up to 3 o'clock, June 4.

J.E. Farowell, Whitby, Ont., will receive tenders until June 6 for the purchase of \$20,000 of debentures.

The Longueuil Town Council, at a meeting held on Monday night, decided to obtain a loan of \$18,000 for thirty years at four per cent.

A by-law will be submitted to the ratepayers of Cornwall, Ont., on June 17th to raise \$11,000 local improvement debentures.

It is proposed to submit a by-law to the ratepayers of Toronto to raise \$57,000 local improvement debentures.

MISCELLANEOUS.

The following building permits were granted in Ottawa last week: William Mackey, addition to store on Sparks St., near O'Conner, \$4,000; J.G. Butterworth, alterations to Bank St. chambers, \$6,000; A. F. Landels, two brick veneered apartments, Flora St. \$1,800; D. Welch, brick veneered dwelling, Second avenue, \$2,000; Mrs. J. E. Parker, two brick veneered dwellings, Somerset St., \$2,500; George Lester, solid brick dwelling, Second avenue, \$1,300; Baker & Co., brick veneered store, Rideau St. \$2,000; J.G. York, brick veneered dwelling, York St. \$1,500; Eclipse

company, brick addition to factory, rear of Slater St., \$1,500.

Mr. Taylor, Winnipeg, will build an addition, 96x48 feet, to his book-binding on Owen St.

J.C. Starr, Qu'Appelle, Assa., will receive tenders until May 31st for erection of two grain elevators, capacity 30,000 bushels each.

The Canadian Otis Elevator Company propose to erect an \$80,000 plant in Hamilton, Ont.

Elevator at Fort William, which was recently damaged by fire, will be repaired and the capacity nearly doubled.

Work of rebuilding the Canada Paper Company's St. Francis Mill at Windsor Mills, Que., will begin soon.

The Pressed Brick and Tile Co., will establish a large manufacturing plant in La Riviere, Man.

H.W. Dayton, Virden, Man., will receive tenders until June 1st for the erection of an elevator at Virden.

A large three-storey building will be erected on Cordova St., Vancouver by Mr. H.G. Moore.

Building permits were granted in Toronto as follows: Mrs. A. W. Ingrav., pair of houses, West avenue, \$3,200; M. Murphy pair of houses, Huron St., \$7,000; G.R. Copping, brick residence, South Drive,

\$7,000, John Beatty, dwelling, Crescent Road, \$5,350; Mrs. James Macdonald, alterations and addition to dwelling, 63 Spadina avenue, \$3,000; Consumers' Gas Co., brick and stone chimney, 135 feet high, Parliament St. near Front, \$8,000 J. D. Young, pair of houses, 341-3 Markham St., \$4,500; A.F. Miller, pair of houses, brick and roughcast, Sumach St., \$2,000; James Lumbers, two houses, roughcast, Queen St. \$3,600; John Wighton, pair of houses, 47-9 Summerhill avenue, \$5,000, J. W. Shuter dwelling 159 Ossington avenue, \$1,200.

A by-law to grant the Seaman-Kent Co. a loan of \$12,000 was passed in Meaford, Ont. Building operations will commence at once.

M. Kehoe, Sault Ste. Marie, Ont., will erect a residence on Leo avenue.

The Pittsburg Reduction Co. will erect an aluminum wire mill at Shawinigan Falls, Que.

W.R. Hall will erect a business block corner Stephen avenue and First Street, Calgary, N.W.T.

Tenders will be invited shortly for new theatre to be built on St. John Street, in Quebec, Que.

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MONTREAL.

THE

Canadian Trade Review

MONTREAL, FRIDAY, MAY 23, 1902

"INSIDE" INFORMATION AND ITS USES.

Those who are entrusted with the management of a corporation, either generally, as in the case of directors, or more directly and especially, as in the case of the executive officers, naturally are in a position to know at all times what is the state of the company's affairs with reference to its business, its financial and its physical condition. It is, in fact, part of their duty not merely to know, but to watch these things, because if they do not, they cannot possibly administer with intelligence the affairs of the company.

It is evident that where a company's securities are dealt in largely on the Stock Exchange, and where there is considerable speculation in these securities during a good deal of the time, information of the character described is of material speculative value. For the whole art of speculation consists of apprehending changes in value before these changes in value have resulted in corresponding changes in price, or in foreseeing development of sentiment which, so far as its effect on prices is concerned, is fully as potent as a change in value. For example, suppose that there is presented for the consideration of a board of directors a monthly or quarterly statement of earnings, showing either a large increase or a large decrease in profit as compared with previous statements. The directors know that the publication of such

statements will undoubtedly create a certain amount of "bullish" or "bearish" sentiment on the stock of that company, which in turn will result in an advance or decline in the price.

The directors by virtue of their position as such, consequently enjoy an advantage from the speculative point of view that is not shared by the stockholders whose interests they are supposed to serve. Again, suppose that a board of directors or an executive committee meets to discuss the company's affairs, and in course of discussion the conclusion is arrived at that within a certain time the dividend rate on the company's stock is obvious, and the directors are thus in a position where they are able to take advantage of the fact that as stockholders' representatives they are in possession of knowledge which the general body of stockholders does not possess.

The potential value of this kind of information is so clear that it does not need demonstration. Every one will admit that what the street calls "inside information" is a very valuable thing in theory and has frequently been proven so in practice. The question is: What is the duty of directors with respect to information of this character?

We think that the principle that inside information is not a legitimate perquisite of directors will be admitted. For it is clear that profits can only be made by them on such information by reason of the ignorance of others, and of those, moreover, whom they represent and for whom they are in a sense trustees. Suppose that the information which comes to the knowledge of directors is favorable. The directors can only take advantage of this by buying stock from others who have not this information, and because they have not this information are willing to sell. But these others are presumably stockholders, and the directors, being in a sense trustees for them, are not entitled to take advantage of their ignorance. The converse proposition is equally true, because in the event of the directors having unfavorable information, they can only use it by selling stock to other people, who then become stockholders, and to whom the directors then stand related as trustees.

In a moral sense, there is no doubt that in the matter of information, directors are strictly trustees for the stockholders. If the information can without detriment to the company be published it is the directors' business

to publish it at once. It cannot be safely published, directors are not entitled to make use of it for their own benefit.

There is happy reason to believe that directors as a whole, nowadays, take a higher view of their position than they did formerly. Nevertheless, there is still room for improvement in this respect; and one thing is clear namely, that whatever information in the way of earnings statements, etc., is available to a board of directors should be made available to the stockholders within as short a time as is conveniently possible.

In these matters, experience shows that a policy of entire frankness is one which is apt in time to generate entire confidence. And confidence nowadays is getting to be a very valuable asset in a company's affairs.

EMBEZZLEMENT.

When, after a period of comparative quiet the discovery of an embezzlement attracts wide attention every other defaulter, as yet undisclosed, begins to tremble. If possible he replaces the amount of his defalcation. If he cannot, he usually goes upon the principle that he may as well be hung for a sheep as a lamb and simply gathers in all he can before he becomes a fugitive.

When the news of a defalcation in a prominent bank spreads every bank officer is aroused to a more minute examination of the business of his own institution; and thus a number of minor defaulters are discovered. The result is the apparent epidemic of embezzlement. Every one can remember similar outbreaks in the past. The causes are always at work, but the results appear periodically like spots on the sun.

An embezzlement in a bank, even if it does not seriously affect the resources and the credit of the institution, is always a serious blow to the pride of the management. For this reason, whenever it is possible to conceal a lapse of this kind from the public, it is probably done. For this reason it would be almost impossible to obtain any accurate statistics as to the number of embezzlements occurring in a given time. With the adoption of modern precautionary methods by banks this form of crime tends gradually towards a limit of extinction. That is, it becomes more and more difficult for the employees of a

bank to dishonestly use money for their own purposes. But probably opportunities, and consequent temptations to dishonesty, will never be wholly eliminated from the banking business. The integrity of the vast majority of bank officers and clerks is, of course, well understood. But this does not make it any the less prudent for a bank to take every reasonable precaution to secure its funds from the possible attacks of the weak or vicious who occasionally find employment in them.

THE FAST SERVICE.

The offer of the British House of Commons to give \$5,000,000 as the nucleus of the capital for the establishment of fast Atlantic flyers is of great importance to Canada at the present moment when our inter-oceanic communication is threatened by the Morgan octopus. A first class fast train service from the terminal point would distribute mails and passengers on this side with a rapidity that competition from New York could never meet and thus give the control of the Atlantic service to Britain and Canada. At the present time when Great Britain has become thoroughly alive to the advantages of "cementing the bonds of empire," negotiations looking to such an arrangement would be favorably received, where a few years ago New York represented everything on this shore to people in London. The Dominion government should make this one of the questions for discussion at the coronation conference. The British government will control the situation because it can make the granting of mail and cruising subsidies subject to the proviso that they shall be to an all-British line and an all-British route.

Already it is rumored that representatives of the different steamships and railway companies have been sounded as to their views of the situation and it is said that the government is now convinced that the best way to fight the Morgan combine is through a company able to operate a transatlantic fleet and a transcontinental railway of its own. It is now reported that negotiations have been opened with the C. P. R. looking to the establishment of a fast Atlantic steamship and freight service. The idea is that there should be a weekly passenger service between Canada and Great Britain equal to the best that sails from New York. In order to maintain a good freight service a

dozen steamers would be required and the total cost of the undertaking would be \$20,000,000. The government already has the power to subsidize a line to the extent of \$750,000 a year, but a passenger and freight service, it is said, would involve a million yearly. The C. P. R. is reported to be willing, if the project goes through, to allow the fast steamship line to be controlled by trustees nominated by the government. National control would be a guarantee that fair rates would be extended to all Canadian companies and that there would be no discrimination for or against any particular railway.

OVER CAPITALIZATION.

The iron and steel industries and their allied trades are now doing a very large volume of business at a very fair margin of profit. In fact in some cases it seems difficult for some of them to keep up with the demand for consumption. Hence trade conditions are on a sound basis and present indications generally point to a continuance of such conditions. But we must not overlook the danger involved by over capitalization in times when business may not be so brisk.

Promoters are accustomed to say that overcapitalization concerns *no one but the investors or speculators*. This is a narrow and inadequate view. The community is injured when its members lose money, and when a stock drops the effect is not limited to the holders; it extends to their creditors, and in many cases the effect spreads to other securities whose holders find their assets contracted and the public confidence in all securities impaired. No conspicuous stock rises or falls considerably without affecting others, and not infrequently the whole market is affected.

Therefore the public is very directly concerned in the manufacture and sale of securities whose value depends not on a visible plant and stocks of goods, but on hoped-for profits which which can be attained only if a certain volume of trade, and also a certain level of prices, can be maintained. The best securities are affected somewhat by the gyrations of those of least certain value, and investment values are not wholly uninfluenced by speculative prices.

It is a familiar observation that commercial reverses have followed periods of great prosperity. These periods of great prosperity are those in which there is great freedom of

investment, as well as speculation, in securities, industrial, trading and other. A man invests \$10,000 in shares and subsequently observes by the market quotations that they are worth \$15,000, he borrows money, or invests, or spends money accordingly. By and by the quotations indicate that his shares are worth only \$5,000, and he stops investing, curtails his expenditure, and perhaps is unable to borrow the money he needs to meet his obligations. It is far from true to say that he is the only person concerned, and that he may be left to his own risks. The law seeks to stop gambling. It might very properly seek to prevent overcapitalization of stock companies.

Most of the industrial corporations disclose so little of their affairs that the public has no means of knowing what a stock is worth except by capitalizing the dividends. But dividends are not always paid when they are earned; they are sometimes paid when they are not earned. It is within the power of those who control a board of directors to raise or depress the value of the shares; to inflict very considerable losses upon buyers and sellers, and, sympathetically, to affect the value of other properties. The public demand for publicity in the statements of corporations is due to these facts.

Overcapitalization is a direct invitation to losses sooner or later, and losses, if sufficiently general, check business, impair confidence, curtail credit, and, through a complicated credit system, sometimes cause disastrous results at a long distance from the point where the trouble began. The practice of capitalizing the possibilities of the future, the interests of the promoter and the ignorance of the investors or speculator, of issuing preferred stocks in excess of the value of the properties and common stocks in volume depending simply upon the disposition of the public to absorb them, or of covering the value of the business with a mortgage and adding large volumes of preferred and common stocks as a bonus to the bondholders, is pretty certain to result in loss. In some cases the losses may be limited to a comparatively small number of individuals, but in a business community intimately interwoven by the use of credits the losses may result in widespread disaster.

THE CLERGUE SYNDICATE.

The "Boston News Bureau," one of the leading financial papers of the United States says this of the enterprise of the Clergue Syndicate:—

"It is somewhat difficult to realize the magnitude of the plants of the Consolidated Lake Superior Co., at Sault Ste. Marie, considering the fact that Mr. F. H. Clergue did not begin his operations at the "Soo" until eight years ago.

To date over \$20,000,000 has been expended upon the properties represented by the following corporations, all of which are owned by the Consolidated Lake Superior Co.: Lake Superior Power Co., Sault Ste. Marie Pulp & Paper Co., Tagona Water & Light Co., Michigan Lake Superior Power Co., Algoma Steel Co., Algoma Central Steamship Co., Algoma Commercial Co., British American Express Co., Algoma Central Telegraph Co., and the Algoma Central & Hudson Bay R.R. Co.

Mr. F. H. Clergue, who created the properties, of which he is now the head, was a hydraulic engineer and in looking around for a hydraulic power proposition he came across the "Soo." Previous to his appearance at the "Soo" the building of the Canadian Pacific had created a boom at Sault Ste. Marie, but this boom had subsided and the population had decreased from about 12,000 to 1200. In the meantime both the United States and Canadian governments had started the building of their vast ship canals around the Soo rapids, and the town of Sault Ste. Marie had issued \$250,000 in bonds to build a waterpower canal, but with the subsidence of the boom the city was unable to meet its interest payments.

It was at this point that Mr. Clergue appeared upon the scene and made a proposition to organize the Lake Superior Co., which would build the canal and own it in fee, and guarantee interest on the bonds which the city had already issued. In recognition of this the city agreed that it would purchase all its light, heat and power from this company at fair rates and the city deeded to the company large tracts of land on both sides of the rapids, practically five miles in extent.

As a great deal of this property was valuable spruce timber land, saw mills and pulp paper mills were built to take advantage of the timber tracts.

In exploring this land, which was in many cases highly mineralized, it was thought desirable to employ the highest grade of geologists as prospectors. Finally there was received from one prospector samples of iron ore which he found on Michipicoten Lake, Lake Superior, about 150 miles from the "Soo," which ran 65 p. c. of iron with practically no sulphur or phosphorus. The Clergue people purchased this land for \$500 and named the mine the "Helen," and it is today the tenth largest producer in America. The

Clergue people shortly after purchased for a nominal sum the Josephine mine, and adjoining property which bids fair to be a second "Helen." The Helen mine has today 210,000 tons of ore, mined during the close of navigation, all ready for shipment. The company has contracted with manufacturers in the United States to ship 421,000 tons of ore this season and it will use at least 600,000 tons more this year at its own works.

Having opened up a valuable iron mine, which was 16 miles inland from the Lake, and there being a prospect that the entire district was well mineralized, it was decided to build a railroad from Michipicoten Harbor to the mine, and from the mine to the "Soo" with a northern connection to the main line of the Canadian Pacific—a system of about 200 miles. A charter was secured from the Dominion and Provincial governments with a cash subsidy of \$6,000 per mile from the Canadian government and 10,000 acres of land per mile from the Ontario provincial government with the right to select this land. About 70 miles of road have already been built and 50 miles additional graded. There is no grade in excess of 1 p. c., and the entire road is laid with 80 pound steel rails. It is known as the Algoma Central & Hudson Bay Railway.

With a producing mine and proper railroad connections, attention was then turned to the building of steel and iron works at the "Soo." Here, as in the case of the Dominion properties at Cape Breton, the government pays a subsidy. The company purchases its coal at Cleveland at \$1.75 per ton, and brings it to the "Soo" in its own boats, which gives it cheap fuel. The company owns its own charcoal and coke furnaces, which gives it all the elements necessary for the manufacture of steel.

Nickel deposits near Sudbury, Ont., about 150 miles east of the Soo, were then brought to their attention. The result of an expert examination resulted in the purchase of two properties which they named the Gertrude and Elsie mines and both have turned out to be profitable mines. This purchase was followed by the taking out of a charter for the Manitoulin & South Shore R. R. which runs nearly east and west and connects the "Soo" with two branches of the Canadian Pacific at Sudbury. It runs directly through the nickel properties (adjoining the Gertrude and Elsie mines), which have just been sold to Chas. M. Schwab and associates for \$6,000,000 for the International Nickel Co. This R. R. Co. has secured the same subsidies as the Algoma Central road.

The great value of these nickel mines is that they are free from copper. Nickel in the form of armor plates sells at \$150 to \$500 per ton and can be made by the Lake Superior companies for less than \$50 per ton.

THE TRADE SITUATION.

The change to warmer weather has had a marked influence on trade. Retailers who were cautious before are now sending in repeat orders and goods suitable for shirt waists and summer skirts are again moving out freely. Millinery is becoming active once more and in the hardware and metals the demand is firm and persistent, more especially for structural material and house-builders hardware. In fact the advent of summer has brightened trade in every line. Failures are few and unimportant. Remittances are a little slow; but not difficult. And there is a strong undertone in every line.

IRON AND STEEL.

The Iron Age says. "The markets throughout continue strong and are characterized by a number of perplexing features. In the East the anthracite coal strike is interfering with the supply of pig iron, and, with the foundries bare of reserve metal, they are even now feeling the pinch.

"Those southern furnaces which decided to offer for sale at the market the balance of pig iron available for sale for the balance of this year appear to have marketed about one-quarter to one-third of the quantity, supposed to be about 50,000 tons. The price was on the basis of \$15.50 and \$16 at Birmingham for No. 2. This appears to have exhausted the buying movement for the present. In other directions little has been done. So far as ferromanganese is concerned, the English seem to control the market. The scarcity of steel continues, and, to judge from the fact that importers are selling as far ahead as November delivery, consumers do not expect any early easing up. Quite a number of 1,000 ton lots of foreign billets and sheet bars have been sold.

"An interesting development is the apparent awakening of the steel rail trade. Chicago reports a sale of about 30,000 tons, and eastern mills have closed probably more than double that quantity. It is understood that these sales are for delivery toward the close of the current year, but it looks doubtful whether any of them can be rolled prior to 1903. Reports from the sheet and wire trades indicate that the spring rush is now over, and that the demand shows signs of falling off.

DRY GOODS.

Indications for the fall season again show a tendency toward plain fabrics and quiet effects, goods of this description occupying a prominent position in fall lines. Good orders are already in evidence on several lines. The manager of the dress goods department of a prominent jobbing house speaking on Saturday of fall business said: "Orders booked by our salesmen on the road are well in advance of any season we have known, and the outlook is decidedly promising. Of course the question of cancellations has yet to be considered, but should 10 per

cont. of the orders already booked be cancelled the department would still be well ahead of previous business." Orders for silks continue to come to hand in very fair quantities.

The market, however, is bare of ready supplies of a desirable nature, and buyers are experiencing difficulty in securing goods of saleable patterns. Taffetas are quickly taken up where supplies are to be had, favorite shades being navies and solid colors. Salesmen just off the road report that trade in the West is improving.

THE COAL TRADE.

The anthracite coal trade has been affected by the troubles between the operators and coal miners. The companies have been rather sparing in their deliveries of coal and the movement to market has not kept up with the demand. There is an idea in some quarters that they have been stocking up at various places, though this is denied. The total output to the close of April, with a partial estimate for the latter month, approximates for the four months about 16,900,000 tons by all the companies, a decrease of over 2,000,000 tons compared with the first four months of 1901. There has been a good movement of coal coastwise but as a general thing the demand, with the approach of warmer weather, is falling off. The strike at the mines will now stop the shipments of coal for an indefinite period, awaiting the result of further negotiations.

THE COPPER MARKET.

The tone of the copper market has been hardening of late, but it does not appear that the consuming interest has become any more pronounced notwithstanding widely circulated reports of heavy sales at very full prices. These reports all emanate from stock market quarters, Boston dispatches being especially prolific of them. And coming at a time when efforts are making to launch a new big copper concern on the financial stream the trade seems to see a connection which may or may not exist. As for actual business in copper, those who are interested in making sales still report the market very dull, and even speculative trading in standard copper has declined.

THE LINEN MARKET.

There has been very little change this week in the linen market, prices are decidedly firm and continue to show somewhat of an upward tendency, with indications pointing to a stiff market until the end of the year. Business under these conditions has been rather quiet, with a general inclination to await developments on the part of the buyers. Reports from Belfast show that stocks of the manufactured article are very firmly held and are of limited size only. Flax also continues to be held at stiff prices, while the quality of Russian material coming in is generally considered to be not very satisfactory,

Manufacturers are at present busy on orders which were obtained by representatives who visited this market a short while ago. Damask goods are reported as well sold up in Belfast and stocks on hand decidedly small. In the local market crashes are in good demand and will, it is predicted, advance for the fall. Several orders which bear the impress of an anticipated advance have been placed during the week. Batiste has sold well and continues to meet with a ready demand, and prices are firm. Stocks available for fall trade in union towels are stated to be rapidly dwindling, with every indication of a limited supply in cheaper grades and few job lots to be had in the market this fall. Linen dress goods in biscuit tan, red, blue and a large variety of other shading are well to the front for summer wear: orders are somewhat hard to fill owing to short stocks in both jobbers and agents' hands.

THE MUSKOKA DISTRICT.

The Grand Trunk Railway Company are making every effort to provide accommodation for the coming influx of tourists into the Muskoka Lake region which is now becoming generally known as the Canadian Venice. Its beautiful lakes and picturesque scenery are not to be equalled anywhere else on this continent and last year so great was the rush of visitors that 5,000 people had to be turned away for lack of hotel accommodation. From a business standpoint Muskoka is one of the most valuable assets of Canada. There are in it at present over 125 hotels with a total accommodation of 7,000 people—and this number could be doubled by enterprise and good management. There is no reason why millions of dollars should not be spent in Muskoka by American tourists. But in order to effect this the hotel accommodation must be enlarged and improved.

THE GROWTH OF CANADA.

When Manitoba entered the Confederation its agricultural production found no place in the records. In 1881 it was entered as producing 1,000,000 bushels of wheat on an acreage of 51,300, and 1,270,260 bushels of oats. In 1893 the acreage of wheat was 1,000,000, and the yield 15,615,000 bushels, and the yield of oats was nearly 10,000,000 bushels. To-day Manitoba has 2,600,000 acres under wheat, and there are at least 500,000 acres more in the Territories, and there has been commensurate progress in all departments of agriculture. When it was remarked the other day that Saskatchewan would become a second Manitoba, a local journal said that the estimate was below the mark. Manitoba and the Territories are filled with the sons of Ontario, but the older Province takes pleasure in the progress of its younger rivals, and in the westward movement sees the sign of the growth of our common

country. Ontario and Quebec, however have by no means reached the limit of their growth. Both have territory to the north far exceeding in area the well-settled districts, and possessing rich resources in fertile, wooded and mineral lands. A more rapid growth of population would be acceptable, of course, but this is a matter about which there need be no uneasiness. Habitable land of any kind will be more at a premium every year. The rapid growth of the population of the United States, so far from causing us any uneasiness, indicates a source from which we are already drawing immigration, and shall draw a greater measure in the future. The trade and wealth of the country are increasing far more rapidly than its population. With only one-fifteenth of the population, we have a trade of more than one-sixth of that of the United States, and we have no doubt that the advantages which this country offers to newcomers will in time be fully recognized.

PATENTS.

Messrs. Fetherstonhaugh & Co., Patent solicitors, Canada Life Bldg. furnish us with the following complete weekly list of patents granted to Canadians in the following countries. Any further information may be readily obtained from them direct. Canadian patents—E. B. Jarvis, drawing boards; F. J. Warne, separable ledgers; G. R. Davis, skirt and trousers hangers; J. Filteau, self rocking cradles; C. W. Vollman, refrigerating and purifying systems; C. A. Barber, automatic fire-proof doors, etc.; E. Fletcher, spirit stoves; M. Turnbull, travel limit stops for elevators; J. A. Marion, devices for removing snow; A. H. Elliot, folding packing boxes; G. A. Evans perforators.

American Patents—Robert J. Barry, controlling attachment for trolley poles; John Reard, bottle stopper; Clarence C. Longard, pipe-wrench; Alexis L. Mangin, carbureter; John B. Masecar, soap press; Thomas J. Murphy, system of armature winding for electric motors; William Thompson, extension slide for tables; William Brandon, band cutter and feeder for thrashing machines.

Proctor's Theatre.

The patrons of Proctor's Theatre have a treat in store for them. Mr. Brunelle announced that Miss Lotta Linthicum has been secured for a special season, and will make her appearance at that house, June 2, as leading woman, in "Romeo and Juliet," in which play she scored a distinct success in New Orleans. Miss Linthicum is well known to Montreal audiences, and has always been a great favorite with the people of this city. Proctor's has decided to make the following reduction in prices at the evening performances for the summer months: Orchestra, reserved, 75 and 50 cents; parquette 50 cents. Admission for the afternoon performances will remain as heretofore for ladies, excepting Saturdays and holidays.

FINANCIAL.

A glance at the closing prices of the week shows the persistent rise in values and the strength of the undertone of the market. The leader was Canadian Pacific which rose from 127½ to 133½ on rumours of an absorption of the Great Northern. It is said that Mr. Hill is not concerned in the matter, but that an intimate associate of his, now abroad, is behind the recent buying. It is also known that options on Amsterdam holdings of the stock have been obtained recently. Another leader was Dominion Cotton which rose 7½ points in the week. It appears that a tip has been going the rounds for some days to buy Dominion Cotton for a turn, and in that connection the stock has moved up. Beyond indefinite rumours of amalgamation of cotton companies, which have been mentioned before, there is nothing known to justify a higher level now regarded as altogether excessive by conservative traders. But all the active stocks rose on the week. Not one single stock shows a decline. The bulls are in full control and the short interest is conspicuous by its absence. This was particularly the case in the Traction shares. There was some rather heavy purchases of Montreal Street yesterday as a result of which its price moved up sharply to 272½. This advance and the firmer tendency in Montreal Power, which sold up to 101½, was accompanied by a revival of the gossip of some arrangement between these two companies of a beneficial nature to both. Whether there was any more foundation for it than for previous talk of the same description, no one was in a position to say. It is understood, however, that Power is to be listed very shortly in New York, arrangements in this direction having been practically completed. Toronto Railway was quite buoyant, selling up to 128, and closing at 122. The strength came from Toronto, where the talk of cheaper power for the road from Niagara is the bull card. Twin city sold up to 121 on the favorable traffic returns of the system recently given out.

Dominion Steel was rather heavy in its disposition, sagging off from 57 to 55½. It was asserted on the street that the meeting of directors was for the purpose of considering a reduction in the guarantee of 8 per cent. to the Dominion Coal to 6 per cent. The street was not disposed to give the rumor much credence, for the reason that the proposed change would have to be accepted by the Coal shareholders, which they considered unlikely, in view of past developments.

CANADIAN PACIFIC

Thanks to urgent buying orders from sanguine speculators who believed that the stock was going to be carried above the 150 mark Pacific ran up to 137½ on Wednesday. There was nothing in the news to afford any clearer idea of the underlying causes for the movement

than the usual crop of gossip similar to that which has already been in circulation. Buying for the rise induced by the remarkable traffic of the company, and the admittedly great future possibilities of the property has possibly as much to do with the upward movement as any of the other ingenious reasons which have been put forward. It is understood also that there has been heavy selling of old Pacific against the new issue of stock, the relative difference in the price making the transaction profitable, and that this process having been carried to undue lengths has created a shortage in the floating supply of old stock.

THE PRICE OF SILVER.

The price of silver seems to be settling down to an average lower than has heretofore been deemed possible. The beginning of its downward course was in 1873, when Germany began selling silver to procure the gold necessary for her new coinage. In that year the price averaged 59½d per ounce, equal to a fraction over \$1.29. Twenty years later, the price touched 33d., with a general recognition of the fact that there were further possibilities of decline whenever the annual purchases of the U. S. were interrupted. By 1896 the average price had fallen to 30½d; in 1897 it was 27 9-16d; in 1898, 26 15-16d; in 1899, 27 7-16d, and in 1900, 28½d. With the beginning of 1901 the price was 29 5-16d; by the end of the year it had fallen to 25 11-16d. In the first week of the present year the price recovered 4-16d., but it has steadily declined ever since. The lowest price on record was reached a fortnight ago, when the London quotation touched 23 5-16d, and though there has been a slight reaction, the value of bar silver in London remains obstinately below 24d per ounce, while the "official" price in New York is under 52 cents.

DOMINION COAL

The approaching meeting of the shareholders of the Dominion Coal Company to ratify the agreement of the directors of the Coal and Steel Companies relative to the lease of the former by Steel on an 8 per cent. dividend basis, is creating interest. A broker says in that connection: "On investigation it appears that coal stock should be higher, as the additional issue of one share for every three shares of common stock of coal will be at the rate of 120. It is, however, as yet impossible to borrow money upon this stock, so that the only one who can take advantage of the prospective advance is the investor.

DOMINION STEEL.

The Dominion Iron and Steel Company is said to be arranging for a supply of iron ore from Venezuela. It is figured that coal can be sent as a return freight, so as to make the transaction an economical one. The property figured on is on the Orinoco River. The ore averages 60 per

cent. iron, and is without water or phosphorous. The present plans are to buy the ore as wanted, and later secure the property at an investment of about \$2,000,000.

AN EXPERT'S VIEW.

The strength of Canadian Pacific has been due to a great extent to the heavy buying of an American syndicate, which has been seeking a substantial interest in this promising property. The English holders of the stock have now discovered that they are in danger of perhaps losing control of their railroad, and have bought heavily to offset the purchases of the Americans. Aside from these stock market influences, the heavy earnings of the company and the great development of Canadian territory have given the stock a better statistical position than it ever occupied before. The land business of the company has grown to such proportions, owing to the home-building movement in its contiguous territory, that it is proposed to organize a company to take over the land grant and real estate holdings of the railway. At present the land holdings, which total up to 23,000,000 acres, are managed by a department of the railway company. Immigration has come in in such a flood that this department has been congested, and it is to relieve this congestion and facilitate the handling of this vast land holding that the new company is proposed.

THE MONEY MARKETS.

The local money market was unchanged; call loans being at 4½ to 5 per cent. Foreign exchange was heavy. Between banks sterling sixties were 8 29-32 to 8 31-32; demand drafts, 9 7-16 to 9½, and cables, 9 9-16. Counter rates were 9½ for sixties, 9½ for demand and 10 for cables. Commercial sixties were 8½ and three days' sight drafts 9 between banks. Paris francs were 5.18½ for long and 5.16½ for short between banks, and 5.15 for short over the counter. Berlin marks were 94 13-16 for long and 95 for short between banks. New York funds were 3-32 to 1-16 discount between banks, and ½ prem. over the counter.

CLOSING PRICES.

| | Mon. | Tues. | Wed. | Thur. |
|------------------------|------|-------|-------|-------|
| Can. Pacific..... | 127½ | 132 | 137½ | 133½ |
| Dom. Coal..... | 53 | 54 | 56½ | 55½ |
| do Steel..... | 91½ | 91½ | 93½ | 96½ |
| do Preferred..... | 57½ | 58 | 60 | 63½ |
| Twin City..... | 118½ | 118 | 119 | 120½ |
| Toronto Rails..... | 119½ | 119½ | 120½ | 122 |
| Heat and Power..... | 99½ | 101 | 101 | 101½ |
| Mont. Street..... | 268 | | | 272 |
| Richellen..... | 111 | 111 | 112 | 112½ |
| Nova Scotia Steel..... | 119 | 120½ | 120½ | 110½ |
| Pacific New..... | 122½ | 127 | 123 | 123 |

CAPE BRETON BONDS.

A block of first mortgage bonds of the Cape Breton Railroad Co. was offered for sale in New York at the weekly public auction of securities, the par value of which was \$30,000. The bonds were knocked down for \$1,610, or \$53.66 for each bond, the par value of which is \$1,000. These bonds were offered for sale at par by Lockwood, Hurd & Co., one of the firms which went down in the Webb-Meyer crash.

Montreal Wholesale Markets

Thursday, May 22, 1902.

The approach of the period when hot weather must be experienced is giving greater confidence in many departments of wholesale trade. For some weeks unfavorable weather has checked the sale of seasonable goods. This kept the volume of business in April and the first half of May below expectations. Warm weather has now reached us, and trade in seasonable lines is improving already. With a continuance of present conditions there should be a marked expansion in business for the balance of the month. There is a good demand for hardware and metals, and there is a scarcity of seasonable lines of manufactured goods and in some lines of metal goods, which is keeping the price situation firm. In groceries there is a good demand for staple lines. The local provision market is firm for all lines. The price of oats has advanced $1\frac{1}{2}$ since a week ago. The flour market is firm at the recent advance. Rolled oats are scarce and higher. Cheese is a shade easier in tone and butter is also unsettled.

IRON & HARDWARE.

The quiet conditions in the pig iron market, have become more pronounced, and the volume of business has been lighter perhaps than at any similar period since the beginning of the year. More or less urgent need of small quantities of foundry iron appear from time to time, and are satisfied with difficulty, and invariably a considerable premium on quoted prices has to be paid. The present stagnation is considered only in the light of a natural reaction from the great activity of the past few months, and hence is without influence upon the tone of the market. The general confidence in the assurances authoritatively given that there will be no lack of material later on when it shall be needed, coupled with the apparent certainty that prices will not be permitted to unreasonably advance, if at all, induces buyers to defer purchases for distant deliveries, until the time when they shall be wanted is nearer at hand. The most prominent feature in the situation at present is the extreme scarcity of steel, with no prospect of relief during the balance of the year at least.

Cut nails—\$2.37; car loads; basis f.o.b., Montreal, Toronto, Hamilton and London, less than carloads \$2.45.

Sleigh-Shoe Steel, \$2.10; Tire steel, \$2.20 and spring steel \$2.75.

Black pipe.— $\frac{1}{2}$ in., \$2.72; $\frac{3}{4}$ in., \$2.72; $1\frac{1}{2}$ in., \$2.92; $1\frac{3}{4}$ in., \$3.42; 1 in., \$5.85; $1\frac{1}{2}$ in., \$6.82; $1\frac{3}{4}$ in., \$8.20; 2 in., \$11.30 per 100 feet.

Coil chains—5-16 in., \$1.95; $\frac{3}{4}$ in., \$1.30; 7-16 in., \$1.10; $\frac{1}{2}$ \$3.90; 9-16 \$3.85; $\frac{3}{4}$ in., \$3.60; $\frac{1}{2}$ in., \$3.55; $\frac{3}{4}$ in., \$3.55; 1 in., \$3.55 per 100 lbs.

Horse nails—Discounts are C. 50 and 7 $\frac{1}{2}$ per cent.; M. 60; and Acadia brand 65 per cent.; and 5 per cent.

Sheet Steel—We quote: 18 gauge, \$2.70 per 100 lb.; 20 gauge \$2.95; 22 \$3.10, 26 \$3.20 and 28, \$3.45.

Tinplates—We quote: Coke, I. C. \$1.50; charcoal, I. C. Allaway or Comet brands, \$1.75.

Rivets—Discounts on black and tinned 60 and 10 per cent, copper rivets, 45 and 10 per cent.; copper bars, 30 and 10 per cent.

Sheet copper—We quote: 25c to 27c as to gauge; tinned copper, 28c; Planish ed 32c,

Hoops and bands—\$2.65 base for hoops, 2 to 3 in.

Lead pipe—Ordinary 7c per ft, less 35 per cent. discount; composition waste, 7 $\frac{1}{2}$ less 35 per cent. discount.

Plain wire—Bright and annealed per 100 lbs. for Nos. 0 to 9, \$2.60.

Galvanized iron—We quote: \$4.50 to \$4.75 for No. 28 gauge.

Screws—Discounts are as follows:—Flat head, bright, 87 $\frac{1}{2}$ and 10 per cent. round head do. 82 $\frac{1}{2}$ and 10 per cent, flat head, brass, 80 and 10 per cent, round head brass, 75 and 10 p.c., Machine screws, iron and brass, flat head, 25 per cent, discount round head 20 per cent; coach screws 66 2-3 and 10 p.c.

Galvanized wire—No. 5, \$3.95; No. 6 and 8, \$3.45; No. 9, \$2.80; No. 10, \$3.55, No. 11, \$3.65; No. 12, \$2.95; No. 13, \$3.05, No. 14, \$4.05; No. 15, \$4.55, No. 16 \$4.80.

Bar iron—Prices are quoted at \$1.90 to \$1.95.

Sheet zinc—Prices firm at 5 $\frac{1}{2}$ c. to 5 $\frac{1}{2}$ c. Solder—19 $\frac{1}{2}$ c.

Canada plate—We quote: \$2.65 to \$2.70 Wire nails—\$2.55; car lots, \$2.50.

Antimony—Firm at 10c to 10 $\frac{1}{2}$ c. Spelter—We quote: \$4.75.

Machinery Steel—\$2.75.

Terne plate—We quote at \$7.75 Ingot Tin—We quote: 29c.

Pig lead—We quote: \$3.25.

DRY GOODS.

In spite of the inclement weather some improvement in trade is noted. The wholesale houses report in increased number of sorting orders and for staples for future delivery. Prices are firmly maintained. Buyers are operating conservatively for near requirements, but showing a fair amount of freedom in connection with fine specialties in cotton goods for distant delivery. The tone continues generally steady and is well supported by the clean condition of the market in various departments. There are some stocks on hand in both staple and fancy lines, but they are of no importance and have no bearing upon the general market at first hands. The orders reported coming to hand for printed calicoes in staple lines and light fancies have been moderate in individual volume. Buyers have taken staples chiefly. Prices are steady as a rule, but there is some cleaning up going on in fancy calicoes and also in finer printed lines.

THE GROCERY TRADE.

For sugar the demand is fairly good, but not what it should be for the season. The tone is steady and prices are unchanged at \$3.70 for granulated, and at \$3.05 to \$3.55 for yellows per 100 lbs., as to quality at the factory.

DAIRY PRODUCE.

CHEESE.—The steady feeling continues in the local cheese market, but the foreign demand is a shade easier. Exporters complain that the response from British buyers is less encouraging than it was. In fact in some cases cable limits have been entirely withdrawn or materially reduced. The only construction to place upon these new developments is that the free movement forward to date of fodder goods has made British buyers less urgent, and now that the make is in the transition stage between fodder and grass, being partly both, buyers are not urgent. With full grass cheese on the market, however, which will be next week, the case may be

different. Business was done on spot in western makes at 11 $\frac{1}{2}$ c to 11 $\frac{1}{4}$ c, and in Quebec at 11c, and it is possible that even these figures were shaded.

BUTTER.—A fair trade is passing in butter, but shippers limits no not commence to permit the payment of prices recently bid at country points for creamery. In fact in an export way 19 $\frac{1}{2}$ c was considered an extreme price, so that prices paid in the country are unwarranted and highly artificial, being due to the efforts of competing firms to obtain a lion early in the season on certain pet creameries. Full grass creamery should be in the market next week. British mail advices say that climatic conditions continue backward both in Britain and on the continent for butter production. This of necessity should have a bearing on the value and position of Canadian butter. Finest Townships' creamery, 19 $\frac{1}{2}$ c to 19 $\frac{1}{2}$ c, finest Western creamery, 19 $\frac{1}{2}$ c to 19 $\frac{1}{2}$ c; seconds, 18 $\frac{1}{2}$ c to 19c.

FLOUR.

The strong feeling in the flour market continues and Ontario millers have again advanced their prices for straight rollers 10c per barrel; in consequence, they have been marked up in this market 15c per barrel. According to mail advices, the inside figure millers will accept, is \$3.70 track here. Manitoba flour is firm and all grades are in good demand. We quote:—Manitoba Spring wheat patents, \$4 to \$4.30; Manitoba strong bakers', \$3.80 to \$4; winter wheat patents, \$3.90 to \$4.10; straight rollers, \$3.65 to \$3.75; straight rollers, in bags, \$1.75 to \$1.80; and extras, \$1.50 to \$1.60.

FISH.

Fresh B.C. salmon, 20c a pound; white-fish, 8 to 10c per pound; salmon trout, 10c; pike, 8 to 10c; fresh perch, 15 to 20c a bunch and 10c a pound; eels, 8 to 10c a lb.; steak cod, 8 to 10c; halibut, 12 $\frac{1}{2}$ c; haddock, fresh 5c; maskinonge, 12c per lb.; carp, 30 to 35c each; lobsters, 12 $\frac{1}{2}$ c per lb.; French carp, 10c per lb.; suckers, 20 to 25c a bunch; bullheads, 10c a pound or 20c a bunch; bar fish, 10c per lb.; rock sturgeon, 30c a bunch; sturgeon 10c per lb., catfish, 10c per lb.; lacaille, 20c a bunch.

EGGS.

The price of eggs has scored another advance of $\frac{1}{2}$ c per dozen, owing to the small receipts for the season, and the continued good demand from local buyers. Sales of round lots of straight receipts were made at 13 $\frac{1}{2}$ c to 14c, and No. 2 at 12 $\frac{1}{2}$ c per dozen. In a jobbing way straight lots sold at 14 $\frac{1}{2}$ c, and No. 2 at 13c. There has been some contracting done in picked eggs for future shipment, and a sale of round lots was made on Bristol account at 7s 6d, c.i.f. per long 100, and another lot to Liverpool at 7s 8d and one to Glasgow on p.t.

PROVISIONS.

A firm feeling prevails in the market for all lines of provisions under a good demand from local, country and export buyers; trade on the whole is active. We quote:—Heavy Canada short cut mess pork \$23 to \$23.50; Canada short cut back, \$22 to \$22.50; heavy Canada mess, long cut clear pork, \$21.50 to \$22; light Canada short clear pork, \$22 to \$22.50; pure Canadian lard, in 20-lb. pails, 11 $\frac{1}{2}$ to 12c; compound refined lard, in wood pails, 20-lb. 9c to 9 $\frac{1}{2}$ c, Boar's Head brand, in 20-lb. wood pails, \$2.02 $\frac{1}{2}$ to \$2.10; and Globe at \$1.77 $\frac{1}{2}$ to \$1.85; 20-lb. tin pails, $\frac{1}{2}$ c per lb.

JOSEPH HALL & CO.,

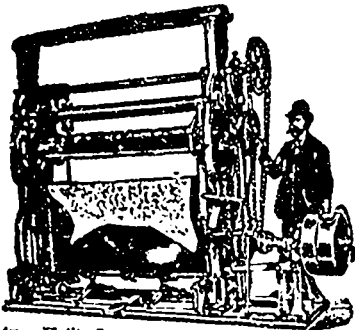
BURLEY ENGINE WORKS,
LEEDS, ENGLAND.

MAKERS AND PATENTEES OF

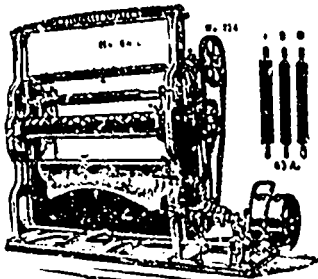
Telegraphic Address—"PREMIER, LEEDS." Telephone No. 744

Tanners' Machinery, Curriers' Machinery, Belt Machinery, Picker Machinery,
Glue Manufacturing Machinery, Wool Washing and Drying Machinery.

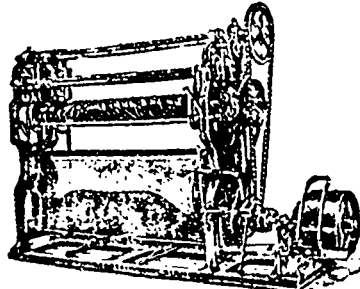
COMPLETE PLANTS IN ANY DEPARTMENT IN LEATHER MANUFACTURE



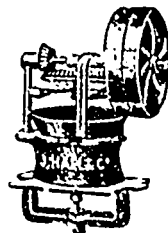
43. Hall's Latest Patent Improved Scouring, Striking and Scouring Machine with a variable table, and with mopping bar.



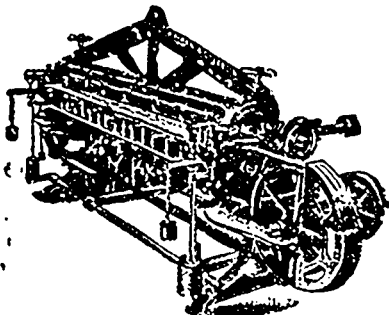
61. Hall's Latest Patent Improved Scouring, Striking and Scouring Machine with a self-reversible table, but with mopping bar.



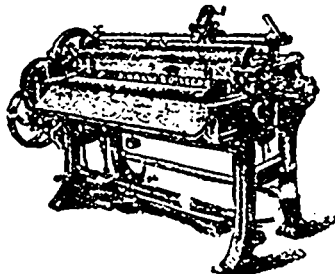
60. Hall's Latest Patent Improved Scouring, Striking and Scouring Machine with a self-reversible table and without mopping bar.



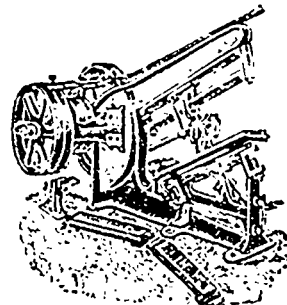
Improved Mopping Bar Mill



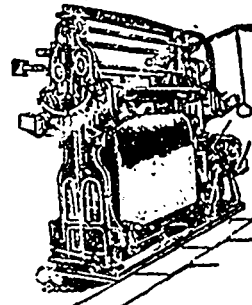
80. Fleshing and Splitting Machine. For heavy hides, such as oxen, bull, cow and horse hides



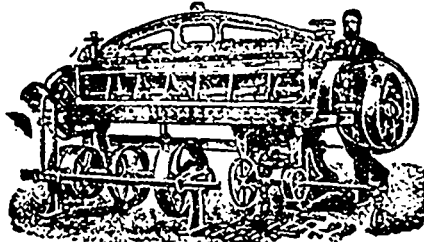
16. Fleshing Machine. For sheep and light calf skins.



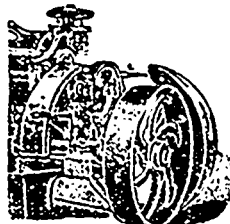
22B. Patent "Universal" Angular Machine, with revolving head.



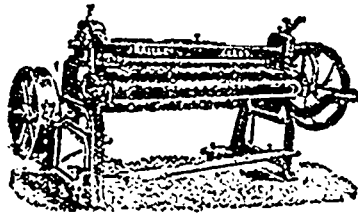
74. Patent Staking, Softening and Grounding Machine.



80. Patent Band Knife Splitting Machine, with Patent Instantaneous Stop and Variable Feed Motion. The only Patent Splitting Machine made



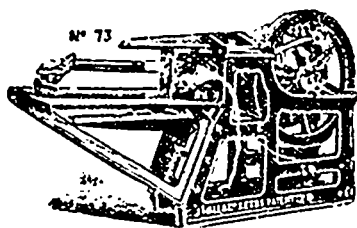
80a. Patent Instantaneous Stop and Variable Feed Motion for Band Knife Splitting Machine (No. 80).



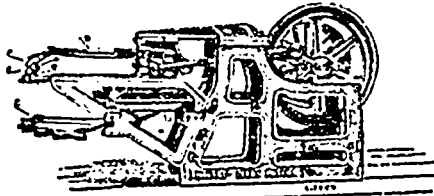
91A. "Union" Splitting Machine.



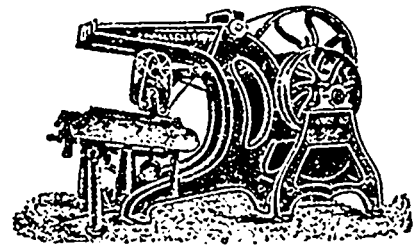
67A. Patent and Improved Shaving Machine, for all kinds of leather and for all tannages, with compensating motion.
Note.—We can supply with this machine an extra special cylinder for flattening or filing, which is invaluable to users of the Band Knife Splitting Machine.



75. Patent Staking and Softening Machine which is noiseless



75a. Patent Staking and Softening Machine, with Patent Controlling Motion. The variable pressure arrangement can be worked either by the hand or the foot of the workman, but it must be stated when ordering which is desired.



6. Patent Premier Whitening and Buffing Machine.

Also: 120 PATENTS are used by us in our Specialties in the Leather Trade. Patents in Australa, America, Continent, &c.

Write for our 1800 Catalogue with about 300 Illustrations and additional sheets. Exporters will find us holders of the heaviest Stock of finished Leather Machinery, ready for immediate shipment. Tanning Extract Plant supplied.

less; hams, 12½c to 14½c; and bacon 14c to 15c per lb. There is no change in the market for fresh killed abattoir dressed hogs but prices rule firm under a steady demand from butchers at \$9.50 to \$10 per 100 pounds.

Chicago—Future quotations: Pork, May, \$17.10; July, \$17.17½; September, \$17.30, January, \$16.50. Lard, May, \$10.17½; July, \$10.17; September, \$10.20, October, \$10.15; Ribs, May, \$9.70; July, \$9.65; September, \$9.65. Cash quotations—Mess pork, \$17.15 to \$17.20; lard, \$10.17½ to \$10.20; short ribs, \$9.65 to \$9.75; dry salted shoulders, 8c to 8½c; short clear sides, \$10.40 to \$10.50.

MEAL AND FEED.

MEAL—Considerable strength has developed in the market for rolled oats and a sharp advance in prices has taken place, which is due to the temporary scarcity of stock on spot, as most of the local dealers have completely sold out, and the fact that the cost of manufacturing the same at Ontario points is much more, owing to the present high prices for oats. In a jobbing way sales were made at \$2.50 per bag, and at \$5.15 per brl., but it is doubtful if a round lot could be secured at these figures even for future delivery.

FEED—The market for Ontario feed is strong, owing to the continued scarcity and it is doubtful if bran could be bought

in car load lots at less than \$2. to \$20.50 in bulk, and shorts at \$22 to \$22.50. There continues to be a good demand for Manitoba feed and prices are firm at \$19 to \$20 for bran and at \$22 for shorts per ton including bags.

THE GRAIN TRADE.

There is a fairly good demand for oats from both out of town and local buyers; in consequence, a fair trade is passing in car load lots, and the tone of the market continues strong, prices having scored another advance of 1½c per bushel since a week ago. Sales of No. 2 white were made at 49½c ex-store and No. 2 Alberta & Manitoba oats are selling for more money. The demand for other lines of coarse grains is slow, and in the absence of sales

TURNER BROS., LTD. Rochdale, Eng.

CONTRACTORS TO THE ADMIRALTY, INDIAN GOVERNMENT, WAR OFFICE, ETC.

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Spinners, Weavers, and Manufacturers of every description of

Nat. Telephone No. 208.

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AND MISCELLANEOUS PACKINGS.

SPECIAL PACKINGS REGISTERED MADE TO ORDER.
LARGE STOCKS KEPT AT ALL OUR DEPOTS.

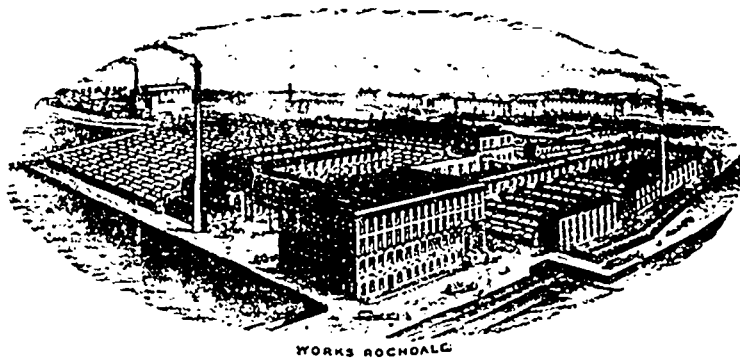
DEPOTS:

LONDON:
46 Fenchurch Street.

NEWCASTLE-on-TYNE:
18 Sandhill, Quayside.

CARDIFF:
21 West Bute St., Docks.

Branches all over the World.



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Patent "Codifer" Packing.
Asbestos Mattresses for Cylinder Covers, Boilers, etc.
Hemp, Cotton, and Chalk Packings.
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MANUFACTURERS OF SOLID-WOVEN

HAIR BELTING

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"Gripwell" Belting Syrup.

The above Belts can be Worked under any Conditions of Atmosphere with Entire Satisfaction.
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Williams and Wilson, Sole Agents for Canada, 320 St. James Street, Montreal.

WINES

SPIRITS

and

LIQUEURS.

Cablegrams:—

Winechap, London.

A.B.C. Code, 4th Edition

W. H. CHAPLIN & CO., Ltd.

Established 1867.

Capital: Authorized, £150,000 Issued, £120,000.

Export Office: 35 & 36 Mark Lane, E.C.,
Registered Offices and Duty Paid Stores:
10 Villiers St., W.C.

Bankers: The London & County Banking
Co., Limited, Lombard St. and Covent
Garden.

London, - - ENGLAND.

\$4.50 to \$10, No. 2, \$8.50 to \$9; clover
\$7.50 to \$8 per ton, in car lots.

BUSINESS TROUBLES.

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

G. A. LeDuc, dry goods and shoes of Beauharnois, is offering 50 cents on the dollar on liabilities of \$3,000. His father is creditor for \$3,000.

Max Rosentein, general store and clothing of Barachois de Malbaie, has assigned. He owes \$4,000.

Thomas Quiollette, general store, of St. Marie has assigned. He owes \$3,000.

Messrs. Frederick C. Rowe and Maurice R. de Mesle, the sole surviving partners of the firm of Hearn & Harrison, opticians, have assigned for the benefit of their creditors. The liabilities amount to about \$6,000 of which \$4,666.66 is due to the old firm of Hearn & Harrison composed of the two present partners and Mrs. T. Harrison.

prices are nominally unchanged. In regard to Manitoba wheat a sale of a cargo was made recently by a local firm which amounted to 15,000 quarters, and it will be shipped from Portland for Cork for orders. There is a fair enquiry from over the cable for wheat but little business resulted as bids in most cases were just about 1c per bushel out of line. We quote:—Ontario No. 1 spring wheat, afloat, 78c; No. 2 spring wheat 76c peas, 87½c; rye, 62c to 62½c; barley, 57c; oats, 49c, and buckwheat 68½c to 89c.

According to the latest estimates the distribution of wheat in Canadian elevators is as follows:

| | | |
|---------------|----------|---------|
| Montreal..... | Bushels. | 280,000 |
| Toronto..... | | 60,000 |

| | |
|-----------------------------------|------------|
| Kingston..... | 25,000 |
| Coteau Landing..... | 231,000 |
| Lepot Harbor..... | 29,000 |
| Winnipeg..... | 275,000 |
| Manitoba elevators..... | 6,000,000 |
| Ft. William, Pt. Arthur, Keewatin | 3,511,000 |
| Total..... | 10,411,000 |

HAY.

There is a good demand for baled hay from both local and country buyers, and the market is active at firm prices. Receipts have not increased any to speak of, and until they do, present values will, no doubt, be maintained. Foreign advices are not of a very encouraging nature, but in spite of this fact the shipments from here are large. We quote: No. 1,

PATENTS.**PATENTS.****PATENTS.**

To Inventors, Manufacturers, Capitalists and all others interested in Inventions, Progress and Patents.
THE PATENT EXCHANGE AND INVESTMENT CO'Y., 124 VICTORIA ST., TORONTO, ONT., CANADA.

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Organizing Joint Stock Companies.

We undertake the organizing and promoting of Joint Stock Companies, particulars on application personally or by letter.

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 LARGEST CONSUMERS IN
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MAXIMUM EFFICIENCY.

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Telegrams, "ANHYDROUS, LONDON."

THE PRINCIPLES OF ARBITRATION.

The principle of arbitration is one of extreme simplicity. It is that when two people differ on some matter in which their relations one to another is involved they shall call in a third party, lay the case before him as an unbiased judge, and agree to abide by his decision. The essence of arbitration is the elimination of the bias or partisanship that does not necessarily exist in the case of the opposite parties to a dispute, and the making clear of the facts of the dispute to the end that justice may be served in the decision. Now, the principle of arbitration assumes the possibility of securing an arbitrator of sufficient im-

partiality and intelligence to guarantee his complete apprehension of the facts. Unless it be assumed that it is impossible in certain cases to obtain such an arbitrator, the principle of arbitration is capable of application to every dispute likely to arise in business matters.

It is clear that if anyone simply takes the ground that he is so sure of his position that he will not consent to arbitration, he is either stultifying himself, or else denying the whole principle. Assuming that the principle is sound, it follows that the stronger a man's case, the more willing he should be to go to arbitration about it. It can well be understood that a man whose case is weak might prefer some other course on the ground that if he went to arbitration, the weakness of his case

would be exposed, whereas by fighting on the point, might perhaps supply what would be lacking in right,

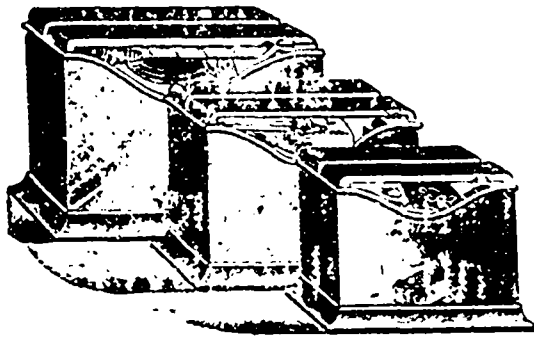
On the other hand it seems to us that the various unions in this country, by their refusal to incorporate themselves so that contracts made with them shall be something more than waste paper, weaken their claim to confidence on the part of the public. If the unions were properly incorporated so that they could see and be sued for breach of contract justice would be served, and the men would in all probability have less trouble in exacting their rights from their employers. The weak spot with many unions has been in the past their willingness to disregard contract obligations, either specific or implied. Of course, there are many honorable exceptions.

James Deakin & Sons, Limited.
SILVERSMITHS.

Telegraphic Address:—"Sydney, Sheffield." Show Rooms:— Sheffield, Sidney Works, and 14 Charterhouse Street, London

Sterling Silver, Electro-Plate, Britannia Metal & Cutlery

Manufacturers.



SYDNEY WORKS,
 Matilda Street and Sydney Street,
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Chorlton's * Chorlton's

**STEEL SPRING
 Mattresses**

THOROUGHLY
 RELIABLE.

**STEEL SPRING
 Bedsteads**

In all Patterns and Prices to suit all Buyers.

ISAAC CHORLTON & Co., 17 Blackfriars Street, Manchester,
ENGLAND.

J. ASHTON RILEY, Ltd.

Canal Boiler Works, Huddersfield, ENGLAND.



"St. PAULI" BOILER.

Heating Apparatus by Hot Water and Low Pressure Steam.

Boilers for Kitchen Ranges, &c, Welded Work of every Kind.

Having made considerable additions to our Works, and introduced extra Machinery of the most Modern Construction, we are now in a position to supply Boilers of Every Description.

For Low Pressure Hot Water Heating.

Can also be made suitable for Low Pressure Steam Heating.

Lists on application.

Telegrams:—"ACME, HUDDERSFIELD."

Buy British Goods 33½ per cent. Preferential Tariff.

and the insurance department of the Post Office is simply stagnating. The department was founded in 1865; and in 1900, after a lapse of thirty-five years, its premium income amounted to the 'magnificent' sum of about £22,000, in contrast with £14,000 in 1890, and £10,000 in 1880. For the purpose of indicating the advantage of private versus state enterprise, we contrast below the growth in the premiums of the insurance department of the Post Office from 1880 to 1900 and of private companies:—

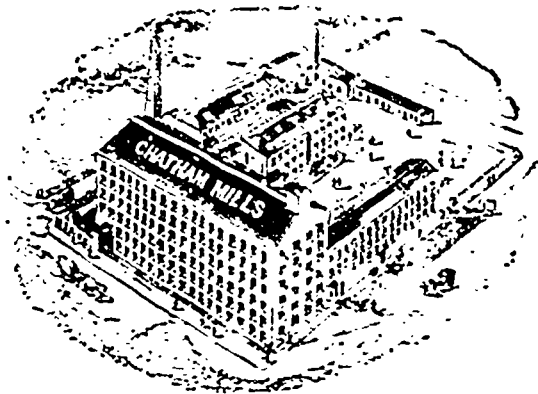
| | Post Office | Private Companies |
|-----------|-------------|-------------------|
| 1900..... | £22,165 | £31,000,000 |
| 1890..... | 14,400 | 19,865,000 |
| 1880..... | 10,500 | 11,000,000 |

ESTABLISHED 1854.

COTTON - CLEANING - WASTE, - SPONGE - CLOTHS, - LAMP - & - CANDLE - WICKS,
ADAMS & CO. Ltd., Manufacturers, Chatham Mills, Manchester,
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Mops, Scouring Flannels, Twines, Towels, Spun
 Yarns, Bunting, Flocks, Engine
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Lubricating Pads and Padding.
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Also makers of all kinds of
 Specially prepared cotton
 Suitable for the manufacture
 Of Gun Cotton, Smokeless
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 Other Explosives.

Telegram Address: "Godbert,
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Codes Used - A I. A B C.

Flags of all Nations.

S. & C. WARDLOW

Established 1833.

Manufacturers of all kinds of Crucible Cast Steel.

Rolling Mills Tilts and Forges.

CHIEF OFFICES

Portobello Steel Works, Sheffield England.

Congress Steel Works, Oughtibridge.

Imperial Bank of Canada.

DIVIDEND No. 54.

Notice is hereby given that a dividend of five per cent. for the half year ending 31st of May, 1902, upon the Capital Stock of this Institution, has this day been declared, and that the same will be payable at this Bank and its Branches on and after Monday, the 2nd day of June next.

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

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

By order of the Board,

D. R. WILKIE, General Manager
 Toronto, 22nd of April, 1902.

Union Bank of Canada.

DIVIDEND No. 71.

Notice is hereby given that a dividend at the rate of Seven per cent per annum for the current half-year, upon the Paid-up Capital Stock of this Institution has been declared, and that of the same will be payable at the Bank and its Branches on

T. W. BROADBENT,

A.I.E.E.,

Electrical Engineer.

Contractor for Complete Plants for
 Electric Lighting and Electric
 Transmission of Power.

MANUFACTURER AND ERECTOR OF
 Lightning Conductors, Electric
 Bells, Telephones, Switchboards,
 and all kinds of Electrical Fittings and
 Instruments.

VICTORIA ELECTRICAL WORKS,
 East Parade, Huddersfield,
 ENGLAND.

ENQUIRIES SOLICITED.



and after Monday, the Second day of June next.

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

The Annual General Meeting of the Shareholders will be held at the Banking House, in this city, on Saturday, the fourteenth of June. The chair to be taken at noon.

By order of the Board.

E. E. WEBB,
 General Manager.

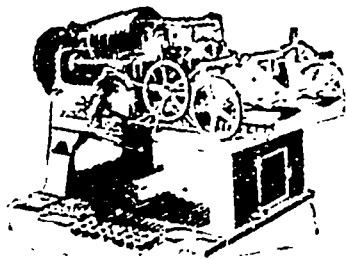
Quebec, April 22nd 1902.

GOVERNMENT LIFE INSURANCE

The experience of the British Post Office in furnishing life insurance has not been such as to commend further experiments in turning over business to the Government. The London Statist of April 26th has a supplement devoted to the statistics of insurance and its wonderful growth during the past ten years. It says: "With the widespread development of insurance which has occurred in recent years, one would have supposed that the insurance business of the Post Office would have shown corresponding improvement. But nothing of the sort has occurred

BROWN & DIXON'S Patent Automatic Screwing Machines.

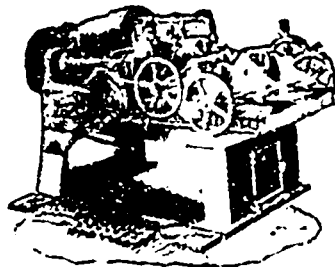
▲ GOLD MEDAL, PARIS EXHIBITION, 1900. ▲



NEW Duplex Machines

FOR
BOLT MAKERS,
AGRICULTURAL ENGINEERS,
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Telegrams: "UNICUS, LEEDS."

We make everything required in
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**EVERYONE SHOULD SEE OUR
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Prices and all Particulars on application.
Plans and Estimates for complete
Installations.



The Patent Conveyor Co.

The Patent Conveyor Co. Ltd., of Thornton Road, Bradford, England, are the manufacturers of an improved feeding apparatus for wool carding engines which is worthy the serious attention of our woollen mill owners. In the carding of wool fibres the system at present most generally in use for feeding the wool to the carding engine is to weigh a certain quantity of wool in a scale pan, and afterwards spread it over the feed lattice as evenly as possible by hand. This hand operation is very largely in use, and where it is not the same operations are performed mechanically by automatic feeding machines of a now fixed type of construction, so far as their general mechanism is concerned, though each maker—of whom

there are several—varies the construction in points of detail. In these machines the wool is contained in a hopper from which it is fed to a nicely balanced scale pan, which is inverted so as to discharge its contents on to the feed lattice when a pre-determined quantity of wool has been fed into it. These machines therefore depend very largely on the weight of wool whether dry or moist, for their evenness of feeding, and it will readily be seen that should some portions of the wool contain more moisture than the other there will be less wool and more moisture in some weighings than in others, and consequently the feed will not be so even as is desirable to produce regular slubbings at the delivery end of the carding engine.

The feeding machine does not depend

upon the weight of wool for regularly supplying the feed lattice with fibres, but, on the other hand, the bulk of material fed is the determining factor, and therefore it does not matter whether the wool is dry or moist, since this machine is arranged to always give evenness of bulk in its delivery. Further, the wool is much more open when entering the feed rolls of the card than when fed by any other form of feed, and if the wool, or other fibres being fed, should contain any coils or hard lumps they are opened out before reaching the feed lattice, consequently there is no liability to damage the card clothing and the wool being thoroughly opened, a better and larger quantity of material is obtained from the carding engine per day.

Established 1857.

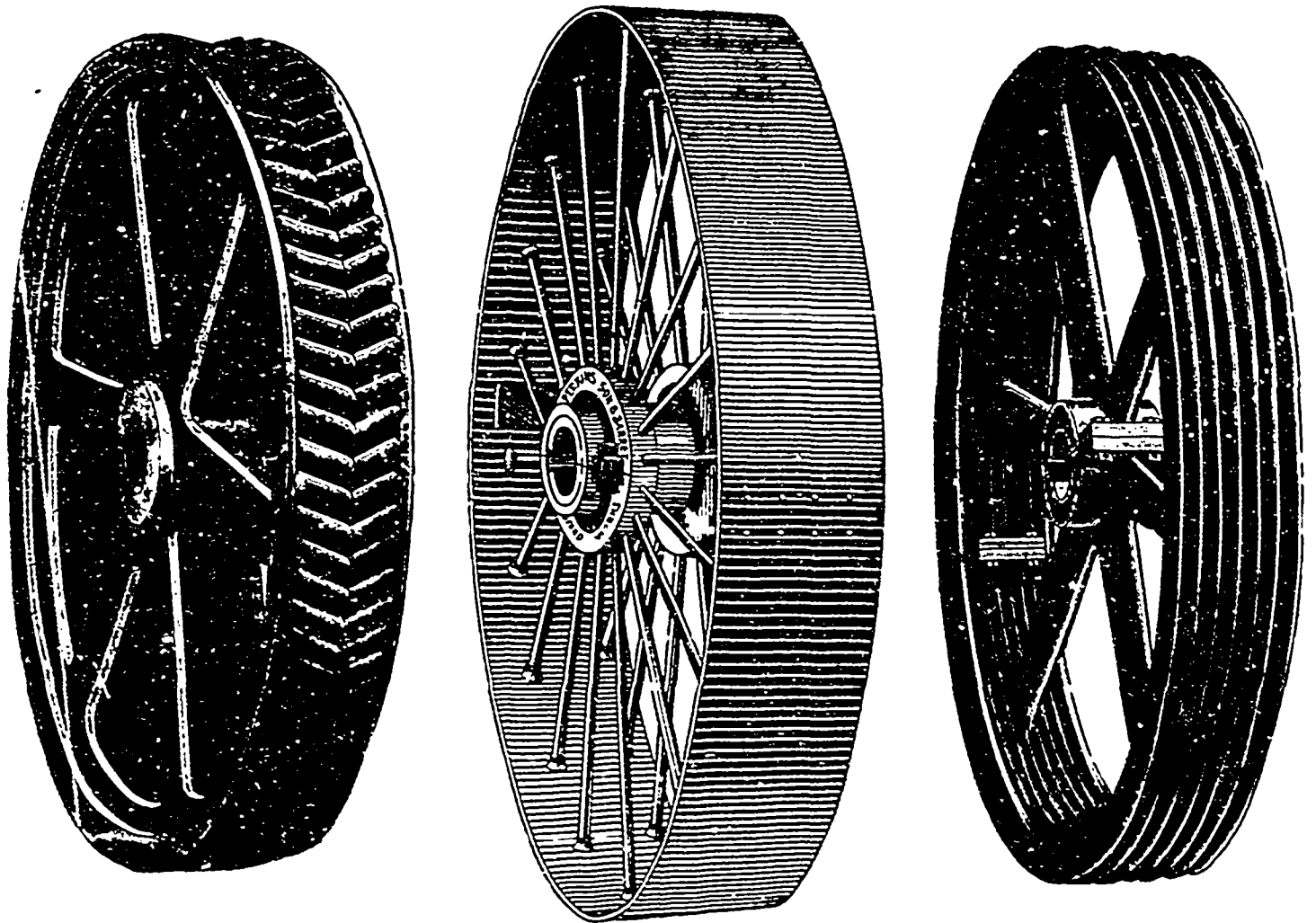
ARTHUR G. BARRETT & CO.,

(ARTHUR G. BARRETT),

IRONMASTERS, ENGINEERS & MILLWRIGHTS

"THE FORGE,"
BRADFORD, ENGLAND.

Cables :—"FORCE, BRADFORD ENG."



Contractors to His Majesty's Government.

SPECIALTIES :

TURNED SHAFTING in Iron or, Steel, ROPE PULLEYS, MACHINE
MOULDED WHEELS, MORTISE WHEELS, WORM WHEELS,
COUPLINGS, HANGERS, PEDESTALS, FIXINGS, Wrot,
& Cast Iron PULLEYS, FRICTION CLUTCHES,

All kinds of POWER TRANSMITTING MACHINERY.

O. C. F. HOFFMANN.

Inventor and Patentee.

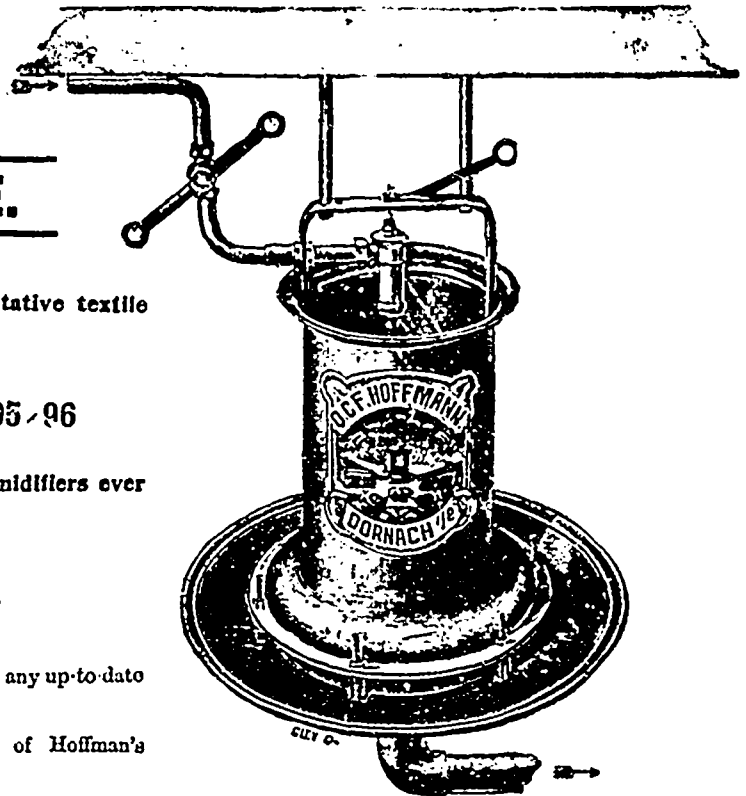
MORE THAN 36,000 IN USE.

Patented in all countries. Adopted by the Representative textile mills throughout the country.

THE IMPROVED MACHINES ARE PATENT 95,96

The advantages of the improved machines over all humidifiers ever invented and used, are as follows:

1. The simplicity of construction.
2. Very light in weight.
3. No movable parts.
4. No steam used.
5. Gives the best percentage of moisture ever obtained from any up-to-date Humidifier.
6. Very little power required for driving an installation of Hoffman's Humidifiers.



**System for
Moistening the air in cotton, wool, silk, flax and Jute Mills,
Bleacheries, Paper Mills, etc.**

22 to 24 Arcade Chambers, St Marys Gate, Manchester, England.

ARTHUR RUDD & CO.

MANUFACTURERS OF

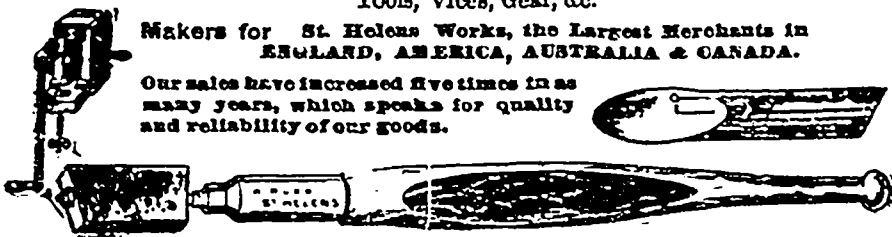
GLAZIERS' DIAMONDS.

St. Helens, Lancashire, Eng.

Every description of Diamonds, Plate, Sheet, Crown, &c. Lead-Light Workers' Tools, Vices, Gear, &c.

Makers for St. Helens Works, the Largest Merchants in ENGLAND, AMERICA, AUSTRALIA & CANADA.

Our sales have increased five times in as many years, which speaks for quality and reliability of our goods.



For Special Prices to Canadians under the New Preferential Tariff, 33 1/2 p.c. in favor of English goods and samples,

Apply to Agents: W. J. Woodburn & Co., 10 St. John street, Montreal

SPRING SEALING CATCH.

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

amounts to 2,875 skins, an average of about 137 skins to the schooner, or 89 skins to the vessel less than was taken last year. The cause of the falling off in the catch was not due to any decrease in the seal herds, for the seals were seen, but the weather was so bad that the hunting days were so few and far between that the hunters could not get the seals. Some of the schooners had but two hunting days during the stormy month of February, and not many more in March.

Crop conditions in the North-West have materially changed during the week," says the North-Western Miller. "Counting out the Red River Valley, material progress has been made in most territory. More rain has fallen, and though the forcing effects of a warm sun are making conditions are considered very favorable. Additional snow and rain fell in the Red River Valley, and from Fargo northward the land is in such a wet condition that the seeding of wheat is almost despaired of. With most men in the trade the view is taken that with the acreage more or less reduced, the North West can scarcely expect an abnormally large crop of wheat this year."

Two hundred and six thousand bushels of grain left Meaford, Ont., by the Grand Trunk on Tuesday for export to Europe via Montreal.

Girling Bros. & Co.

This firm, consisting of Messrs. E. H., F. E. and R. A. Girling, established their business about a quarter of a century ago as liqueur and cordial distillers and wine merchants, and it would be difficult to indicate a more thoroughly representative house, illustrative of the highest modern development of the important manufacture in question. The offices in Mark Lane were taken six years ago, and are

Yorkshire Silica Fire Brick Works

OUGHTIBRIDGE, NR. SHEFFIELD, ENGLAND.

Established 1858.

Telegrams : "Silica Company, Oughtibridge,"

Manufacturers of

Silica Bricks, Blocks, etc. of superior quality, for steel works' purposes. Supply two-thirds of the largest steel works in England and Scotland during the past twenty years. **Special Holdown Cement**, for hot repairs in retorts for Gas Works, also sectional retorts containing eighty-five per cent. silica, made from our special **Ganister Quality**. Owing to uniform quality we have succeeded in obtaining very large and continuous orders. For full particulars and details apply to Oughtibridge.

Special prices to Canadians under new Preferential Tariff, 38½ p.c. in favor of English Brick.

THE
THORNTON-PICKARD
IS THE
ONLY  **THORNTON-PICKARD**
ROLLER BLIND
SHUTTER
CAPABLE OF GIVING

Largest Sale to the World,

Short Time
Exposures of 1/2, 1/3 & 1/4 sec. & 1, 2 & 3 sec.
Instantaneous
Exposures up to 1/100th second
Prolonged Time
Exposures of any duration.
Absolutely Without Vibration.
Equal Illumination all over the plate. The Time Shutter can be used with different lenses. The best lens of 1/2 inch aperture is included in the set.
Price from \$4.40
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Instantaneous from \$9.25
ILLUSTRATED CATALOGUE POST FREE FROM
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We are in receipt of the following enquiry from a reader of the TRADE REVIEW.
"Wanted the names of two or three mfrs. of celluloid in Canada and the United States."

Address Mrs. O. G. Anderson, Woodstock, Ont.

DRAINAGE SPECIALITIES.

In Brown Salt Glazed "Halethrio" Stoneware.

Manufactured by **OATES & GREEN LIMITED**



Contractors to H. M. Government War, Admiralty and Post Office.

Established 1859. Telegrams: "Bricks, Halifax, England."

HALIFAX - - - ENGLAND.

eminently adapted for the transaction of a constantly increasing business. They manufacture ginger, orange, raisin, black currant, red currant, white currant, elderberry, gooseberry, raspberry, (which is an exceptionally fine wine with beautiful bouquet), blackberry, mulberry, rhubarb, damson, prune, cherry, cowslip, white grape, red grape, pineapple, greengage, muscatel, sloe, tent wines. Then, of course, they make British cherry brandy, cherry whisky, cherry gin, ginger brady, orange bitters, orange brandy, orange whisky, sloe gin, sloe whisky, peach bitters, and cherry, claret, burgundy and

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PURE FLAKE GRAPHITE is worth its weight in gold to any Engineer or Machinist.

Send for Pamphlet and Sample.—No charge.

JOS. DIXON CRUCIBLE CO.,
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Manufacturers of GYPSITE DECORATIONS.

FIBROUS PLASTER

of every description,
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Offices, Studios and Works—New Kings Road, Fulham, S.W.

(Close to Putney Bridge and Fulham Station, District Railway).

Telephone 383 Kensington.

West End Office—12 Norfolk Street, Strand, LONDON, ENGLAND.

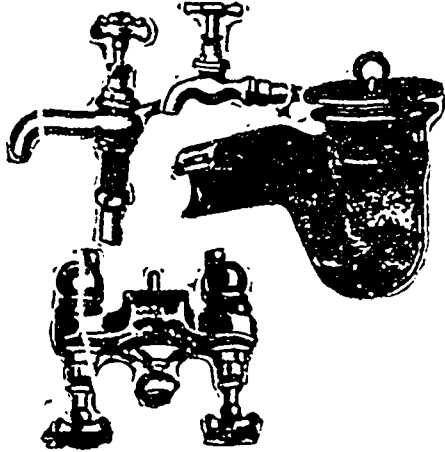
Special terms to Canadians under the new tariff.

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Quotations given for Special Work

PORTLAND CEMENTS

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Long and Short Hair. Wheel-
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vivifying, and increases the working
power and endurance of horses.

8.—No fodder is wasted, animals eating
with avidity, and entirely clearing up all
their food,

9.—It very quickly eradicates worms.

10.—If kept in a dry place it preserves
its virtues for many years.

11.—The farmer saves in composit, as
Molassine Meal contains—

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| Potash..... | 5 per cent. |
| Phosphoric Acid..... | ½ " |
| Nitrogen..... | 1 " |

The petition of the British Columbia
Board of Trade, asking for its name to be
changed to "The Victoria, British Colum-
bia, Board of Trade," has been acceded to.

The FULHAM POTTERY & CHEAVIN FILTER Co.,

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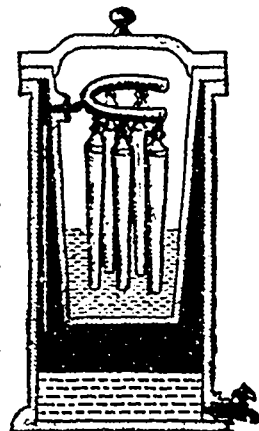
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PUMPING MACHINERY SPECIALTIES.

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WATERWORKS PLANT.

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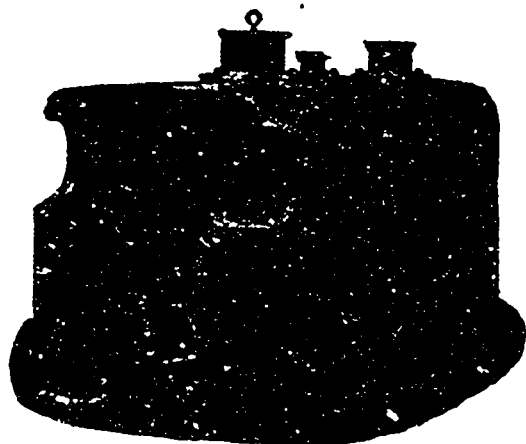
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"CLIMAX" BOILER.

Heating Apparatus by hot water and low pressure Steam.

Boilers for Kitchen Ranges &c. Welded work of every kind.

Having made considerable addition to our works, and introduced extra Machinery of the most modern construction, we are now in a position to supply Boilers of every description.

For Low Pressure Hot Water Heating. Can also be made suitable for low Pressure Steam Heating.

Telegrams: "ACME Huddersfield"

Buy British Goods 33% per cent, Preferential Tariff

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"Health" Mattress.

Registered Trade Mark.

Made of Curled-Linen Fibre and Pure White Cotton Top and Bottom.

No. 3 retails \$3.00. No. 2 retails \$4.00.
No. 1 retails \$5.00.

Write for discount and terms. Sample sent on approval.

Alaska Feather & Down Co., Ltd.

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Lachenal & Co.

Messrs. Lachenal & Co., of Little James street, Grays Inn Road, London, England, are manufacturers of the Edcophone which is a new model instrument which should take a leading place in the musical world. Its claims are its lightness and portability—one, having forty-eight keys,

only weighing a shade over two pounds, and can be made to suit all the most refined tastes. It possesses considerable compass, having as great a range as the violin; its tones are pure, sweet and brilliant; it has great power of expression and execution, and is capable of producing a great increase and decrease of tone. Owing to its shape and construction—

which Messrs. Lachenal & Co. have been experimenting many years to perfect—it is not to be surpassed and rarely equalled by any other instrument, and for amateurs it is far in front of the violin, as it keeps long in tune and so does not require to be tuned every time it is played on.

It is in a neat square leather case, and can be taken to any part of the world without changing its tone. It is more adapted for ladies than any other instrument, as no exertion is required to play

I Say! Friend Stationer,

DO YOU DEAL CHRISTMAS CARDS

IF SO ASK TO SEE
The "National" Series,

Manufactured by MILLAR & LANG, Glasgow, Scotland.

They are "Up-to-date" "Out of the Usual," "Artistic," and comprise a Celluloid Series, a Cameo Series, a Leatherette Series, a Humorous Series, etc., etc., etc.,

Sole agents for the wholesale and retail trade in Canada:--

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Special prices to Canadians under the
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Wm. FLETCHER & SONS
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Buy English Sauces 33½ per cent.
in favor of English makers.

PATTERSON & Co.

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MINERS' SAFETY
LAMPS OF
EVERY KIND
In Brass and
Aluminium.

All separate parts supplied for
existing Lamps:—Gauzes,
Brass and Copper Rings,
Glasses, Asbestos Rings,
&c., from a large stock.

Safest and Cheapest
Lamps on the market

Enquiries solicited,

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ENGLAND.

it, and is easily learned by practising daily. It has the capacity to play any music written for the violin, flute, clarinet, oboe and other instruments, with the ability to play music that cannot be attempted on any other instrument, enabling the performer to produce harmonies of two, three, four or more parts, or, in fact, any combination of notes, and the facility of its acquirement enables amateurs to take part in concerted music of the highest order, which they would otherwise never have any opportunity of doing. For training the voice it is better than any other instrument, being always in tune, and for playing obligatos it is unequalled.

The Edephones can be made to suit either the drawing room or orchestra, and are made in treble, tenor, baritone and bass, are tuned to either Philharmonic pitch (C, 540 vibrations); Society of Arts (580 vibrations); or to any pitch required.

The Liverpool Daily Post asserts that at the meeting of the White Star line, held Saturday, the agreement to transfer the line to the Atlantic shipping combine was unanimously confirmed. About half the shareholders attended the meeting. The assent of 75 per cent. of the shareholders is required, says the paper, but there is no doubt that their sanction was forthcoming as the terms offered are considered to be very favorable.

Camerer Kuss & Co.

Camerer Kuss & Co., of 56 New Oxford Street, London, W. C., are manufacturers of grandfather clocks, chiming on tubes, gongs and bells, chiming clocks, English and foreign, on 3, 5 and 9 gongs and bells, Chippendale clocks, Sheraton clocks, Ormolu clocks, Empire clocks, old English lantern clocks, china case clocks, marble clocks, Vienna regulators, bracket striking clocks, oak, mahogany, and walnut cases, bank and office clocks, public hall clocks, 400 day clocks, silent-going for bedrooms, shop and kitchen dials, servants' alarm clocks. Catalogue for trumpeter and cuckoo clocks on application. Turret and outside clocks. Estimates free.

Bank of Montreal.

Notice is hereby given that a DIVIDEND OF FIVE PER CENT. for the current half-year, (making a total distribution for the year of Ten per cent.) upon the paid up Capital Stock of this Institution has been declared, and that the same will be PAYABLE at its Banking House in this City, and at its Branches, on and after MONDAY, the SECOND DAY OF JUNE next.

The TRANSFER BOOKS will be closed from the 17th to to the 31st of May next, both days inclusive.

The Annual General Meeting of the Shareholders will be held at the Banking House of the Institution on Monday, the SECOND day of June next.

The chair to be taken at One o'clock.

By order of the Board,

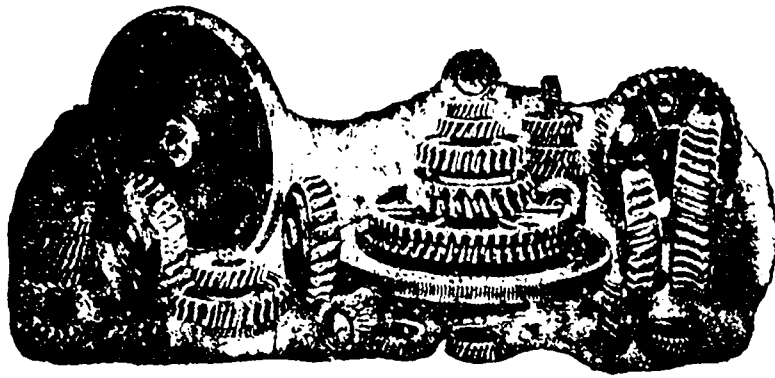
E. S. CLOUSTON,

General Manager.

Montreal, 11th April, 1902.

Largest Makers of Machine Cut Wheel Patterns in Wood and Metal in England.

For
Engineers,
Shipbuilders,
Etc.
Up to any
Size.



Over
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Supplied

**SPECIALITY—CUT WORM WHEELS FOR STEERING GEAR,
CUT WORMS, ANY NUMBER OF THREADS.**

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BRONZE MEDAL, HIGHEST AWARD, SANITARY CONGRESS, ENGLAND, HEALTH EXHIBITION, 1899

Payments extended over any number of years for Corporations, District Councils and Public Bodies.

Perfect Foothold. Cope and Work like Natural Stone. No Laminations.
Face equal to a Polished Flag. Natural York Stone appearance.
No Air Cavities. Non-Porous. Frost Proof.
Wear alike full Depth of Slab.
Hydraulic Pressure over 1,000 tons.
Never becomes Slippery.

By Royal Letters Patent. Contractors to H.M. King Edward, and to H.M. Government.

"NONSLIP" RECONSTRUCTED HARD YORK STONE.
STONE (REGD.)
THE ONLY PATENT STONE FREE FROM SLIPPERINESS.

Suitable alike for
STEPS, LANDINGS, WINDOW
and DOOR HEADS, SILLS, JAMBS,
or any purpose for which NATURAL or
ARTIFICIAL STONE CAN BE USED.

WILL LAST A CENTURY.

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VENTILATING, HEATING AND LIGHTING
ENGINEERS, STEAM AND HOT WATER
FITTERS, IRON, ZINC, COPPER AND
TIN PLATE WORKERS.

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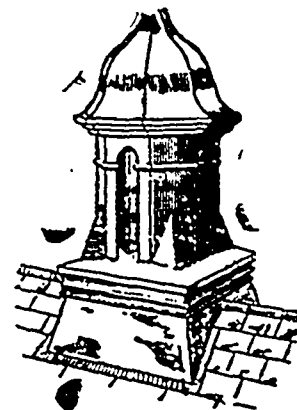
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For public buildings, churches, chapels, schools, hotels,
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workrooms, offices and residences.

Schemes provided and estimates given for

Automatic and mechanical ventilation. Plenum system of warming and ventilation
combined. Warming by hot water and steam. Ventilating sunlights. Large
iron or steel smoke and air pipes and shafts, etc. etc.

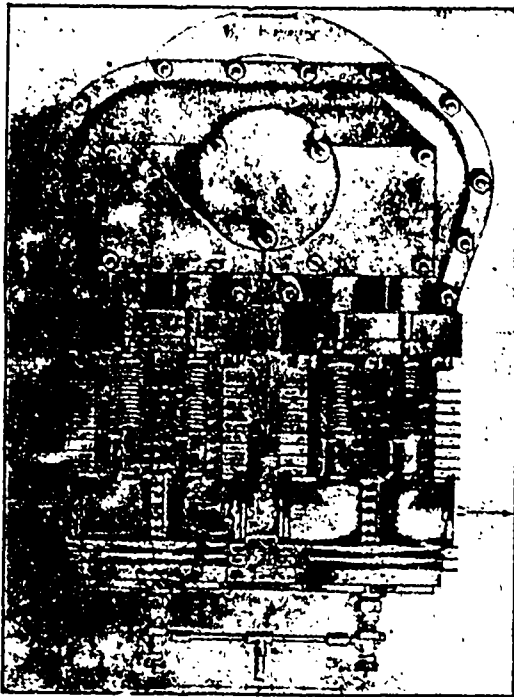
Established over 26 years.



OF WORKS:
11 Atkinson Street, Deansgate, Manchester, England.

LOOKING TO THE PACIFIC.

The town of Edmonton is making very steady progress, as is Strathcona, its neighbor on the southern bank of the Saskatchewan. The railway is almost completed across the bridge into Edmonton, and by this long-awaited improvement the merchants and visitors will be greatly benefited. Business in the town is prosperous, and failures are very rare. There is an active Board of Trade, the largest in Manitoba or the Territories outside of Winnipeg. It was on the initiative of the Board of Trade that a large shipment of Alberta oats was made last year by the Government to South Africa. The members of the board very generally hold the view expressed by the President at the annual meeting recently, that the grain crop of Alberta and the Saskatchewan Valley must seek the ocean by the Pacific slope, and they are trying now to interest the British Columbia seaports in their views. It has been pointed out that from the port of Oregon, Washington and California 26 1/2 million bushels of grain were



The PRESTON PATENT PETROL MOTOR

Manufactured by
**BRIDGEWATER & CO.,
ENGINEERS.**

78 York Road, and
11 Crinan Street,
King's Cross, London,
ENGLAND.

Special terms for these motors under the new tariff.



A SESSION OF THE COURT OF KING'S BENCH (Crown Side), having criminal jurisdiction in and for the DISTRICT OF MONTREAL, will be held in the COURT HOUSE, in the CITY OF MONTREAL, on Monday the SECOND DAY OF JUNE NEXT at TEN o'clock in the forenoon.

In consequence, I give PUBLIC NOTICE to all who intend to proceed against any prisoners now in the Common Goal of the said District, and others, that they must be present then and there; I also give notice to all Justices of the Peace, Coroners and Peace Officers, in and for the said District, that they must be present, then and there, with their Records, in order to do those things which belong to them in their respective capacities.

J. R. THIBAudeau,
Sheriff.

Sheriff's Office,
Montreal, 13th May, 1902.

shipped in 1900, while not a bushel went out from Canadian ports on the Pacific. The grain production of northern Alberta last year was over seven million bushels, and it is only a matter of a very short time till it will reach twenty. That is why the Alberta people look to the Pacific for an outlet that can be had eastward only by paying a rate of 50 cents per 100 pounds in winter for oats, a staple, and 45 cents during lake navigation. Oats are reckoned at 34 pounds per bushel, so that the winter rate is really about 17 cents a bushel to eastern terminals. On a cereal for which the producer gets from 25 to 30 cents this rate of haulage added to cost is a pretty big item. With a short haul over the mountains to a Pacific port, even allowing handsomely for the much longer sea voyage and the non-completion of the isthmian canal, it is believed that from five to eight cents more would be realized for every bushel of grain grown in Alberta.

J. EVANS & CO.

INVENTORS
AND MANUFACTURERS.

HEAD OFFICE & WORKS: BRITANNIA WORKS Blackfriars,
MANCHESTER, ENGLAND.

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| <p>PRODUCTS:</p> <p>PATENT SCOTCH BLACKING. OAK CHARCOAL MINERAL PURE PLUMBAGO, CORE GUM & COAL DUST.</p> | <p>BRANCH WORKS:</p> <p>ALBION MILLS, VICTORIA BRIDGE RIDDLE & WIRE BRUSH WORKS, MANCHESTER. CROSS'S NAIL & CHAMFLET FACTORY, KING'S SHOVEL WORKS, BURY ST BLACKING MILLS, SALFORD. PLUMBAGO MINES, PLAZUELA URIBITARTE, BILBAO, SPAIN.</p> | <p>MANUFACTURERS OF FOUNDRY REQUISITES</p> |
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ALSO PROPRIETORS OF THE GLASGOW IMPERIAL BLACKING CO.
Fairley St., Duke St., Dennistoun, GLASGOW.

NEW ENGLISH LOCOMOTIVE.

A new locomotive, intended for suburban traffic, invented by James Holden, of the Great Eastern Railway, England, has ten coupled driving wheels and possesses extraordinary tractive power. There are two inside cylinders and one outside cylinder, each 18½ inches in diameter, and with 24 inches stroke,

The engine will make thirty miles an hour within thirty seconds after it is started. The total heating surface of the tubular boiler and firebox is 2,769 square feet, which is more than 1,000 feet in excess of that possessed by engines which draw the Flying Scotsman.

British experts think this engine superior to the newest big locomotives of the N.Y.O.R.R.

Economy in Foundry Practice.

THWAITES BROS., LTD.

BRADFORD - ENGLAND.

Send for Catalogue "C."

FOR
ECONOMY IN COKE,
RAPID MELTING,
CLEAN SHARP CASTINGS.

USE
THWAITES' IMPROVED "RAPID" CUPOLAS.

(STEWART'S PATENT).

Over 500 in Operation!

IN ALL SIZES TO MELT

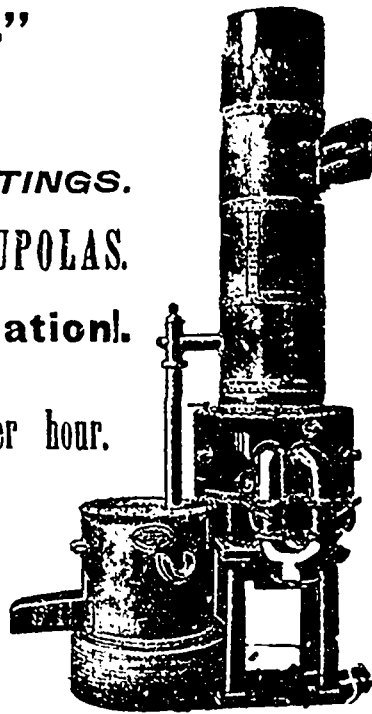
From 20 cwt. to 20 tons per hour.

Fitted with Receiver and Drop Bottom.

RAPID" CUPOLAS require to be blown with

THWAITE'S IMPROVED
Root's Pressure Blower.

THE EFFICIENT BLOWER.



Blowers can be driven by BELTS, or by MOTORS coupled direct, or by SIMPLE or COMPOUND ENGINE

Charles Johnstone

Regent Quay, Aberdeen

SCOTLAND.

Factories, 13 and 15 Virginia Street

Manufacturer of

COFFEE ESSENCES

SAUCES

CORDIALS, SALINES

And Packer of

GROCCERS' SUNDRIES,

Telegrams:— Johnstone, ABERDEEN "

WILLIAM OXLEY & CO.

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Parkgate Steel Works,
Rotherham, near
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Manufacturers of Steel and
Files, etc. Best crucible cast
steel for every description of
miners' and engineers' tools.
Spring steel, tyre steel, edge
plado and forging steel as used
by the principal carriage build-

"Park Gate"
Brand
Branded on
every box.

throughout the U.K. and Colonies. Chan-
nel steel for rubber tyres, clincher and wired-
on sections. Speciality: Welded tyres in
iron or steel, all sections, also channels, any
size or diameter. Special rates to Canada
under new tariff.

CANADIAN WHEAT FOR CANADIAN PORTS.

That Duluth is beginning to realize the importance of its rival at the head of navigation in Canada will be seen from the following which appeared in the Duluth Herald. "The assertion of a Canadian grain inspector that it is the announced intention of the New Canadian Northern road not to let any of the grain from its line come via Duluth hereafter, is something that should urge immediate serious consideration by the commercial interests of this city of the questions of closer and more reciprocal trade relations with Canada.

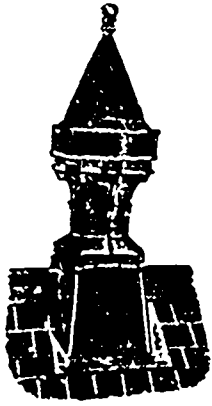
"The question is slated to be considered at the monthly assembly meeting of the Commercial club the last of the week. This discussion alone should be sufficient to induce a large attendance at the meeting. This question of Canadian wheat is one that vitally effects the trade future of Duluth, at least in so far as it relates to the prospective commerce of the Canadian Northwest. In the early days, from the time of Proctor Knott's celebrated sophomorical but very prophetic sarcasm, down to the sunny time of the boomer of the late 80's and the early 90's, we used to be told great things of what was coming to pass, when that great undeveloped area, "the best wheat country on God's foot-stool," and a few other figures of speech, should be developed. It has been a long

wait for many, and that particular part of God's footstool seemed to develop so slowly that many forgot that it existed and seemed to regard it as a chimera of pipe dream days.

"Meanwhile "the best part of God's footstool" seems to be written again this time not in the rhetoric of the after dinner orator, but in actual project and productiveness in the Canadian Northwest. Duluth will handle during the current year about 8,000,000 bushels of this Canadian wheat. It has been handled in bond. It could not be manufactured here except at such great disadvantages that the proposition seemed unfeasible. How great that increase is may be understood when it is known that in the year before only a little over 1,000,000 bushels were handled here.

From this time out, however, Duluth is to be denied all of this Canadian wheat, unless some more amicable arrangements can be made for closer commercial relations with Canada. We are not only not going to be able to grind the wheat but we shall not have a chance to receive it. Canada is going to try to be as tight with its own products as we have been against hers in the past.

Just what the solution of the problem is cannot be suggested at this time. It is something for diplomacy no doubt, but for a broader diplomacy than has been exhibited toward Canada in the past. This spirit may have been right then; it is



REG. No. 321532.

OLDEST HOUSE IN THE TRADE.

Established 1853.

JAMES BEDFORD & CO.(SUCCESSORS TO 'HAR. WATSON, F.R.S.A.,
AND HILL & HEY.)VENTILATING ENGINEERS,
MOUNT ST., HALIFAX."EXCELSIOR" EXHAUST AND
SYPHON VENTILATORS.Well made in strong Zinc throughout.
Adapted to any Style of Architecture.Price Lists, Catalogues, Estimates, &c.,
forwarded on application.TELEGRAPHIC ADDRESS:
VENTILATOR, HALIFAX.**Lanosoap Ltd., Marion St. Wks**

LISTERHILLS, BRADFORD, ENGLAND.

Manufacturers of Pure LANOLINE, Patent VISCOSINE
LUBRICANT, VETERINARY LANOLINE, LANOSOAP.

LIALINE—For Warp Sizers & Carriers. Supersedes Tallow.

LANOSOL—For coating bright metal parts to prevent oxidation

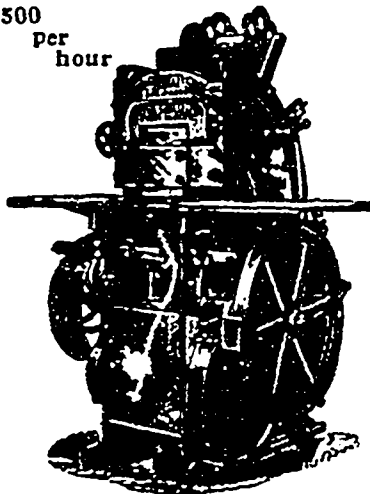
LANOSINO—Substitute for Vaseline.

Telegraphic Address, "VISCO, BRADFORD."

Special Prices to Canadians under the new Tariff

WAITE & SAVILLE, FALCON WORKS, OTLEY,

Yorks, England.

1500
per
hour**WAITE DIE & PLATE PRINTING
PRESS.**

Automatically inks, wipes, polishes and prints

Specialists in Labor Saving Machinery for Printers and Stationers

Patentees and Makers also of

The "KOH I NOOR" Small Job Press, 4000 Imp. per hour.

The "RECORD" Tagmaking and Printing Machine.

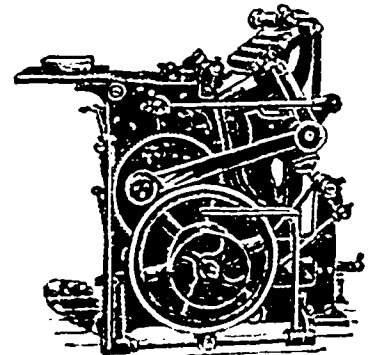
The "DESPATCH" Label Making Machine.

The "VELOX" Washer Tag Machine.

The "DIAMOND" Automatic Round Cornering Machine.

The "HELLS" Combined Punching and
Eyeletting Machine.

Capacity (easily) 250 Imp. per hour.

The FALCON Safety Platen Press—
with Gripper Feed and self
Delivery.Our Machines are having a large sale
and are giving the greatest
Satisfaction.

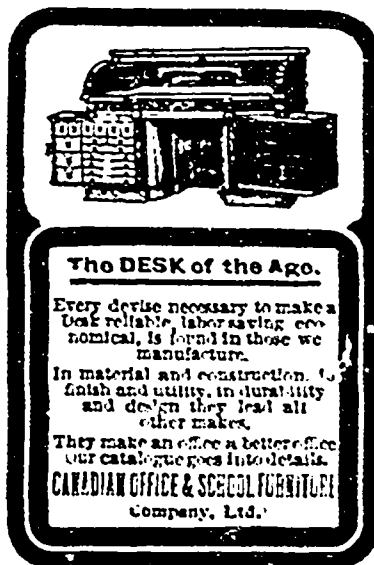
pennywise and pound foolish now. Duluth should take this matter up now and help formulate a policy that will right matters. That policy seems to be a question of approaching the Canadians in the right spirit. We want their trade and they want ours. There must be an even exchange, and the time is past when this country may get the lion's share from Canada and give back not even a mouse's portion.

DR. GRANT'S INSURANCE.

Principal Grant's life was insured for \$30,000 in the London & Lancashire Insurance Company. The policy is payable to Queen's University, and had been in force six or seven years.

A change has just taken place in the executive of the Dominion Iron and Steel Company. Mr. A. J. Moxham has resigned the vice presidency, as well as his position on the directorate. The latter vacancy has been filled by the appointment of Hon. L. J. Forget, who becomes a director while Mr. Jas. Boes has been named vice-president. The friends of the corporation claim that the changes have brought additional strength to the company.

Office, School, Church, Lodge Furniture.

**The DESK of the Age.**

Every device necessary to make a Desk reliable, labor-saving, economical, is found in those we manufacture.

In material and construction, to finish and quality, in durability and design they beat all other makes.

They make an office a better office. Our catalogue goes into details. CANADIAN OFFICE & SCHOOL FURNITURE Company, Ltd.

PRESTON, ONT., CAN.

W. RICHARDSON & Co.

HORTICULTURAL BUILDERS AND

HEATING ENGINEERS.

DARLINGTON, ENGLAND.

CONSERVATORY.

As Exhibited and Awarded First Prize and only Gold Medal at the International Horticultural Exhibition, Earl's Court, London

Special Estimates to Canadians under New Tariff.

New Illustrated Catalogue Free 5/6

LEES & HARRISON, Limited.

Laundry Engineers
Kirkstall Road, Leeds, ENGLAND.

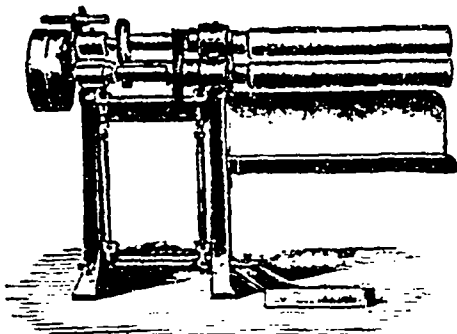
Telegrams—"UNICUS, LEEDS."

We make everything required in a Laundry up to date,

Everyone should see our numerous improvements before purchasing.

Prices and Particulars on application.

Plans and Estimates under the New Tariff for complete installations.



JAMES HOLDSWORTH

Upperhead Mills,
HUDDERSFIELD, ENGLAND

MANUFACTURER OF

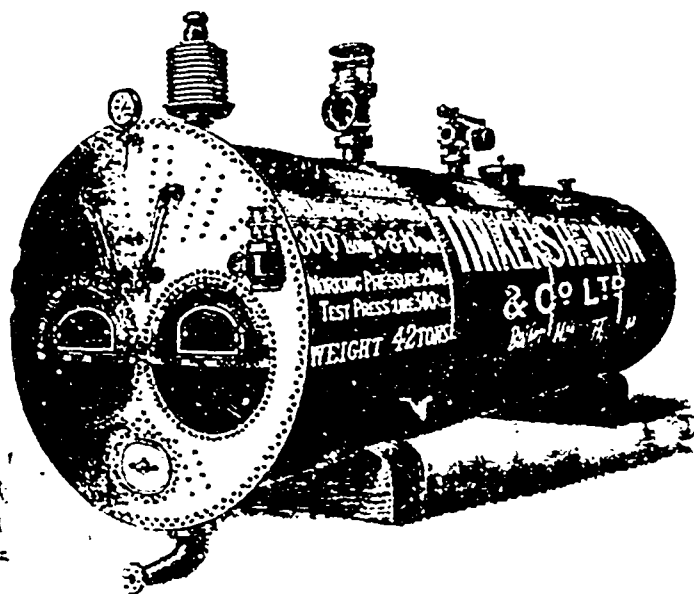
CARD CLOTHING

OF EVERY DESCRIPTION

For Carding Woollens, Worsteds, etc.

SAMPLES AND PRICES ON APPLICATION.

Special Prices under the New Tariff.



TINKER, SHENTON & CO., Limited

HYDE, near MANCHESTER.

Established 1872.

Telegraphic Address—"DUPLIX, HYDE." Telephone No. 21 (Ashton-under-Lyne).

Makers of High Class:-

LANCASHIRE, CORNISH, VERTICAL,
AND ALL OTHER TYPES OF

BOILERS

Drilling, Welding, Flanging, Planing, Rivetting, &c.,
by Special Machinery of the most modern construction,
LANCASHIRE AND CORNISH BOILERS

Always in Stock or in Progress.

Please address all Inquiries as above.

The Clergue Steel plant, Sault Ste. Marie Ont., commenced running continuously Monday, and is now manufacturing steel rails. Since the first were made over a week ago the plant has been closed down for repairs.

Mr. H. E. Vautelet, assistant chief engineer of the C. P. R. has returned from his inspection of the works, now being erected of the Jersey Central Railroad, at Jersey City. It was proposed that concrete should be the material used in the construction, but brick, with stone foundations, has been substituted, as being cheaper and easier handled. It is therefore probable that pressed bricks will be used in the Hochelaga buildings. The plans at present elaborated have seventeen buildings, one more than was originally intended. The largest building is the machine erecting shop. Mr. Henry Goldmark, assistant to Mr. Vautelet and Mr. E. A. Williams, superintendent of rolling stock, will also inspect the Jersey City works this week, with a view of obtaining pointers in locating the buildings here.

A SERIOUS FIRE.

What might have been a very disastrous conflagration took place in the "mule room" of the top floor of the big Canada mill, one of the Canadian Colored Cotton company's factories, Cornwall, Ont. When discovered it had not made much headway but the heat had started all the sprinklers. The mill fire brigade had a number of streams playing into the room. They were assisted by the Cornwall fire brigade, but it was not until the fire burned through the ceiling that its exact location was ascertained. The flooding of the top storey of the mill resulted in each of the floors below experiencing a similar fate. The damage from water amounts to between \$20,000 and \$30,000, which is covered by insurance. The bulk of the loss is in the stocks in various stages of manufacture and to the machinery which will nearly all have to be overhauled.

PURE FOOD.

The U. S. Senate is now pressing pure food legislation, and laws requiring goods to bear the names of the places where they were made, or, at least, preventing their

bearing the names of places where they were not made, though those names of places have in great part become trade names, representing kinds of goods rather than geographical points. There appear to be abundant subjects for such measures if we are to trust an interview with a Peoria distiller, who says most of the absinthe is produced in Peoria, and while he does not say what marks are on the bottles, their labels would give the impression of a French origin. At a time when France is seeking means of checking the use of this dangerous beverage it is unpleasant to learn that "the number of absinthe drinkers in America is increasing every year." The same gentleman says that he is manufacturing Benedictine, Chartreuse and all other cordials, and Scotch and Irish whiskeys. What they are marked he does not tell but it is extremely improbable that the name of Peoria is displayed conspicuously upon the goods.

For the month of April the imports of Canada totalled \$17,104,523, as against \$18,800,000 last year. The exports amounted to \$18,643,193, as against \$2,100,000 in the same month of 1901.

Telegraphic Address: **PACKLESS MANCHESTER** ABC CODE USED.



TRADE MARK

NATIONAL TELEPHONE 1496.

SEND FOR CIRCULARS & TESTIMONIALS.

"KARMAL" PACKING

NEEDS NO OIL OR TALLOW LUBRICATING PROPERTIES NEVER LEAKS NEVER CHARS OR BECOMES HARD SUITS HOT & OLD WATER WILL STAND ANY PRESSURE OF STEAM OR OIL NEVER HELLS OR BURNS THE BUYER HAS THE SATISFACTION OF USING ALL UP

MANUFACTURERS OF ALL KINDS OF ENGINE & PUMP PACKINGS HAIR & COTTON BELTING

SOLE PROPRIETORS AND MANUFACTURERS

"ROKO" EDGE BELTING

INDUSTRIAL RUBBER EDGED GREAT GRIPPER POWER MANUFACTURED FROM THE BEST LAMBS HAIR RUBBER GROSS ADJUSTABLE & WILL LAST FOR YEARS ALWAYS ON HAND

THE FRICTIONLESS ENGINE PACKING CO. (LIMITED)

CABLE MILLS, ENDS VALLEY, QUEBEC

MANCHESTER.

16 HIGHEST AWARDS



AGENTS:— WEBSTER BROS. & PARKES, 228 St. James St., Montreal.

If you will take time to investigate you will

HEAT YOUR HOME

with a **HECLA**

Warm Air Furnace

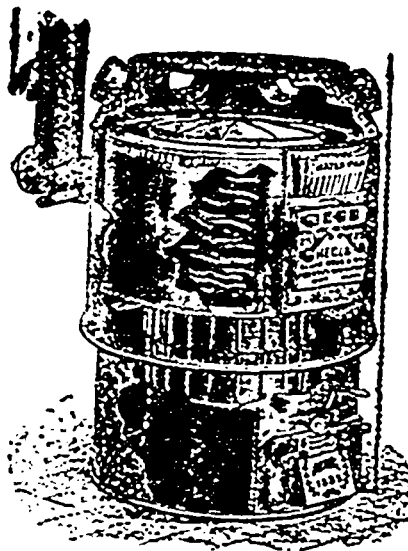
Besides the other advantages it will burn ANY KIND OF FUEL.

Hard Coal, Soft Coal, Wood or Peat.

There are more

Hillborn Wood Furnaces

in use than all other wood furnaces combined. They set the style in wood furnace construction.

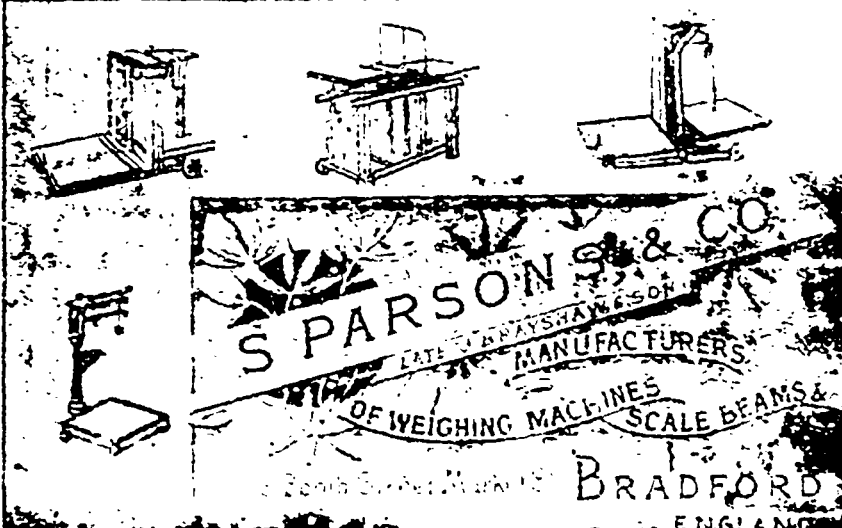


Send us a rough sketch of your house and we will give estimates and advice

Clare Bros. & Co.

WINNIPEG, Man. MONTREAL, P.Q. PRESTON, Ont.

SPECIALTY:—Weighing Machines for the Textile Trades.



S. PARSONS & CO.

LATE J. BAYSHAW & SONS

MANUFACTURERS

OF WEIGHING MACHINES SCALE BEAMS &

BRADFORD ENGLAND

Special Quotations under The New Canadian Tariff

Have you tried

HUBBARD'S

SCOTCH [GLASGOW]

RUSKS.

Wholesale by

FRANK MAGOR

MONTREAL.

STEAMSHIPS.

DOMINION LINE.

LIVERPOOL SERVICE.

From Portland.

| | |
|------------------|-----------|
| COLONIAN..... | May 24th |
| *IRISHMAN..... | May 31st |
| CALIFORNIAN..... | June 7th |
| *NOBEMAN..... | June 14th |
| *TILCOMAN..... | June 21st |
| COLONIAN..... | June 28th |

*These steamers do not carry passengers

RATES OF PASSAGE.

Saloon—\$65 and upwards single, according to steam or and service.

Second Saloon—\$37.50 and upwards single, according to steamer and service.

Third Class—\$26.00.

From Montreal.

| | |
|---------------|-----------|
| *ROMAN..... | May 31st |
| *MANXMAN..... | June 14th |
| DOMINION..... | June 21st |

From Boston.

| | |
|---------------------------------------|----------|
| VENICE..... | May 28th |
| NEW ENGLAND..... | June 4th |
| VANGUARD..... | June 7th |
| Boston to Mediterranean Ports. | |
| GENOISE..... | May 21st |
| CANADIAN..... | July 2nd |

For particulars apply to the agent of the Company or to

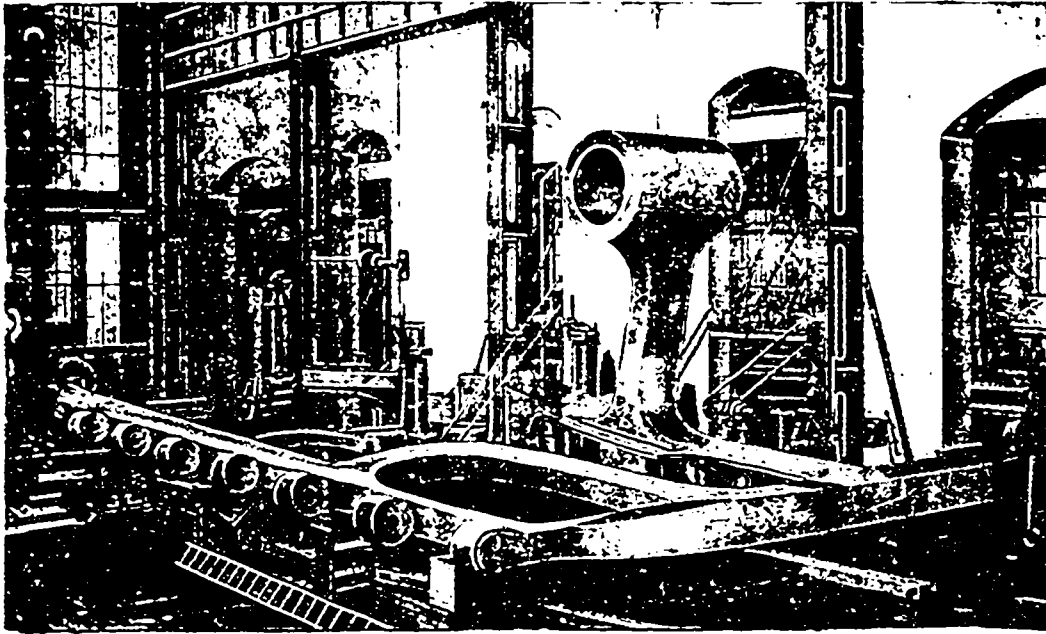
DAVID TORRANCE & CO.



General Agents Montreal.

17 St. Sacrament Street.

The application of electric power for driving laundry machinery is a recent but not the latest development in this line. According to an American exchange there is, in Kansas City, an ironing machine heated by electricity. It is said to

Darlington Forge Co., Ltd.




*engines and
 Castings in
 Steel and Iron
 up to any
 weight.*


Telegrams:—"FORCE, DARLINGTON.

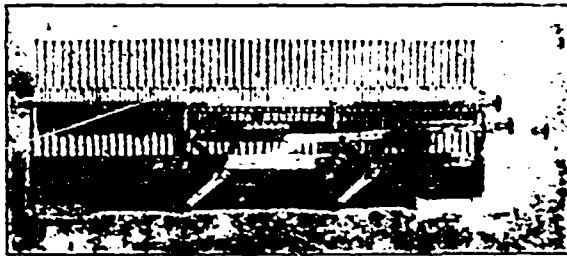
DARLINGTON, ENGLAND

Cast Steel Stern-frame and Bracket

Finished Weight 78 Tons

FOR THE WHITE STAR LINER "OCEANIC."

JOHN PLATT & Co., Machinists, Mill Furnishers and Agents
ROCHDALE - - ENGLAND.



110 heck for cotton-end lift.

Circular warping mills specially strong for heavy warps.
 Cop reels for hand or power. Warping hecks for cotton with improved side lift. Also for woollen, silk and jute.

Specialty: Hardened loom cranks, tapped shafts and studs.
 By employing these you will save your machinery and increase production at less cost. We beg to draw your attention to the fact that our studs etc., **ARE NOT ORDINARY CASE-HARDENED** and will gladly send samples on application.

BAR IRON WORKS
DINSDALE MOOR IRON WORKS
 NEAR DARLINGTON.

Manufacturers of

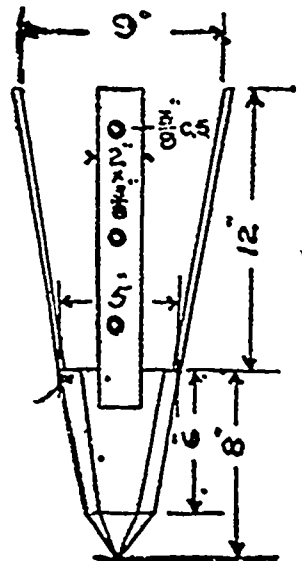
- Pile Shoes,
- Railway Points
- and Crossings,
- Railway Fastenings,
- Castings of every description.
- Iron and Steel Rivets for Shipbuilders, Girders, and Boiler Work.

Richards, "Chilled" Pile shoes
 Are a specialty.

Used by the principal Contractors in England.

Forgings of every description

Special prices to Canadians under the New Tariff.



have a capacity of 72,000 collars and cuffs in 24 hours. The machine is driven by an electric motor attached near the base. The heating of the roving roll is accomplished by stationary heating coils placed within them. Electric heating has the advantage of being more uniform than any other, is very intense, and can be regulated to a nicety by a finely subdivided switchboard. It is asserted that the character of electric heat renders it more desirable for starched goods than steam or gas. Steam is still preferred for unstarched goods.

Two of the most valuable of the lake fishes are the sturgeon and the whitefish. It is within the memory of middle-aged men that sturgeon were regarded as valueless for food and as a nuisance to fishermen. Now that they are in demand they are rapidly disappearing, and not enough is known of their spawning habits and spawning places to be able to procure the eggs for artificial propagation. Nothing is known of the life history of the whitefish from the time its eggs are laid until the young fish are about eight inches long. If more were

known about them it might be easy to restore those parts of the lakes where they were formerly plentiful but are now becoming scarce. Of other food fishes of the lakes our knowledge is no better.

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

BENJAMIN HALLEWELL & CO.,

MOOR FIELD WORKS HALIFAX, ENGLAND.

MANUFACTURERS OF

ROLLER, WASHER, CLEARER, LISTING

And every other description of Cloth used in Machinery.

Special prices to Canadians under the new Tariff.

FURS' FURS!! FURS!!!



Wholesale Importer and Exporter of
Raw & Dressed Furs.
Manufacturer of Gents, Ladies and Children's Furs such as Coats, Jackets, Capes, Collars, Caps, Ruffs, &c., also Buck Mitts, and Gloves.

The highest Market Price paid on all Consignments of Raw Furs, Skins, Bee's wax & Ginseng Root.

First Class Taxidermist work a Speciality.

HIRAM JOHNSON.

494 St. Paul Street,
MONTREAL.

CANADIAN BARLEY.

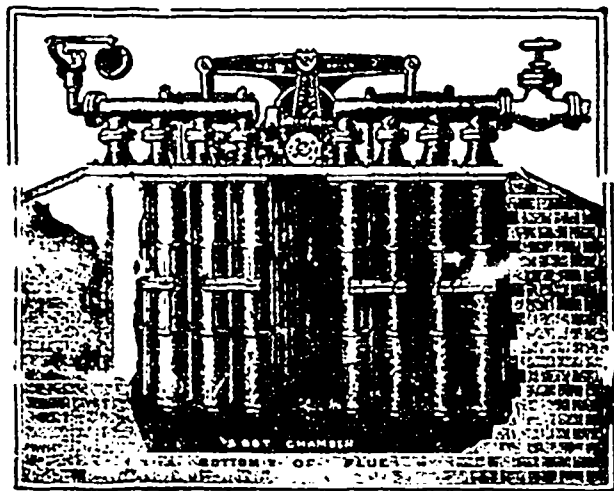
The City of Oswego is to suffer another blow. It was sacrificed a dozen years ago to the demands of New York farmers that Canadian barley be excluded. The accessibility of Canadian barley made the western part of New York State a malting centre, and where there was a large malt business there was of necessity a great use of domestic barley, for our Canadian barley did not undersell the domestic; it commanded a fancy price as being especially suitable for malting. But the New York State farmers thought if they could shut out the Canadian grain they could sell more of their own. Congress complied, but the result has been the raising of fine grades of barley in the far West and the removal of a large part of the malting business to the vicinity of the barley fields. The New York farmers have gained nothing by striking at our Canadian barley. Now it is reported that a great starch factory is to be removed from Oswego to Chicago. This will create no surprise; corn is raised in the West and the starch factory must inevitably gravitate toward the corn fields.

The bank managers, of London, Ont., have decided to establish a clearing house in that city.

The CARTER SAFETY FUEL ECONOMISER.

(Pimbley Patents.)

The Only Circulating Economiser on the Market.



Pays from 20

to 100 per cent.

on outlay or cost
with Coal at nominal prices.

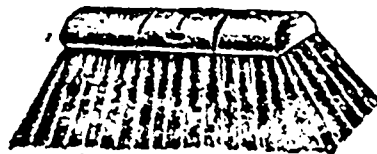
Great Improvements. Inquiries Invited.

SOLE MAKERS:

JAS. CARTER & SONS,
Stalybridge, England.

≡ D. BRIGGS, ≡

Wholesale Brush Manufacturer,
DENHOLME near BRADFORD,
YORKS, ENGLAND.



WEED BROOMS
A SPECIALTY.

Buy British Goods,
33½ p.c.
Under New Canadian Tariff.

Revolution in Carriage Tyres.

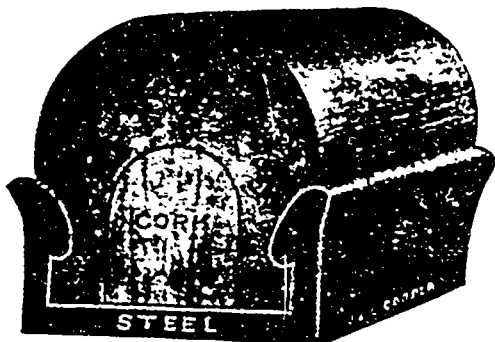
THE ECONOMIC TYRE



Telegraphic Address:—
‘TIRES, BRADFORD.’

Telephone No.
1307 BRADFORD.

Finest Quality Rubber.



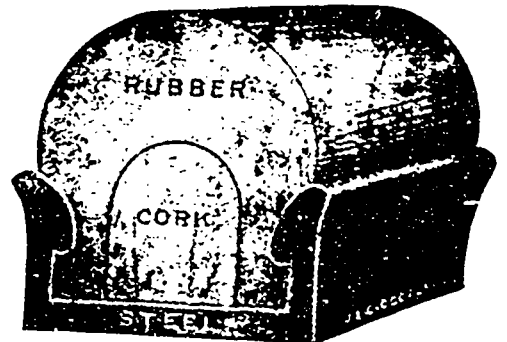
PATENT.

Greatest Comfort.

~~~~~  
Absolutely Noiseless.

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Vibration Reduced to a
Minimum.

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Draught Reduced.



PATENT.

By this Patent the greatest economy in Rubber is obtained, (the saving in waste Rubber being fully 50 per cent., by far the greater portion being available for wear, thus enabling a much better quality of Rubber being used without adding to the cost, the cork bed being a very good non-conductor, and, at the same time resilient, reduces the Bounce and Vibration to a minimum, entirely removing the rumbling sound so objectionable in a closed carriage fitted with the ordinary solid tyre. The form of rim (registered) used, while allowing the Rubber the greatest freedom, prevents all cutting and fraying at the edges.

Testimonials and Price Lists on Application.

Sole Makers **THE ECONOMIC TYRE CO.,** Victoria Works.

Laurel Street, Leeds Road, BRADFORD, YORK, ENGLAND.

Special prices to Canadians under the New Tariff.

Telegrams:—“NOILS, BRADFORD.”

## E. WILMAN & SONS,

Silk Noil Spinners,

ALL KINDS OF NOIL YARNS FROM 3s TO 40s.

Also Manufacturers of

## SILK and COTTON SPONGE CLOTHS

TOWELS, DUSTERS, SCOURERS, &c.

Borough Mill, Bolton Road Bradford, Yorkshire, ENGLAND.

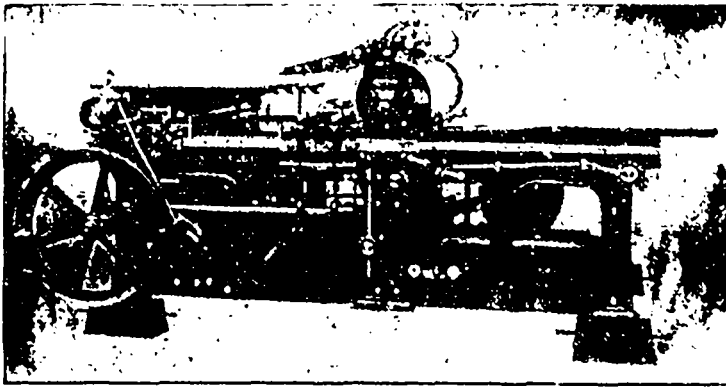
Special Terms to Canadians under the New Tariff.

### ALBERTA OATS.

A train of eleven cars laden with oats for South Africa left Edmonton, N.W.T., for Vancouver last week. Alongside the cars was a streamer over one hundred feet long bearing this legend "From Strathcona Alta., to South Africa, via Vancouver by Brackman Ker Co. The company have already shipped one-eighteenth of the bulk of the contract and expect to have the whole quantity delivered before May 24. The importance of this grain movement to the Pacific coast, the opening of a new route to a foreign port cannot be underestimated and the Brackman Ker Co. have the honor of inaugurating that traffic.

# PAYNE & SONS,

ATLAS WORKS  
OTLEY, YORKS ENGLAND



Manufacturers of:— Improved Wharfedale Single and Two colour Printing Machines. Patent Improved Wharfedale Special Single and Two-colour Printing Machines. One and Two-revolution Perforating Machines. Two and Four-feeder Newspaper Machines. Universal Platen Machine. Diamond Self-clamp Guillotine Cutting Machine. No Screw-clamp Guillotine Cutting Machine, hand operated. Also makes and repairs all kinds of Presses, Liners and Bookbinders' requisites.

Please Note the Addresses:—  
PAYNE & SONS, Atlas Works, Otley, Yorks, England.  
HOPKINSON & COPE, Albion Works, 103 Farrington Road, London, England.  
PAYNE & SONS, 51 Dundas Street, Glasgow, Scotland.

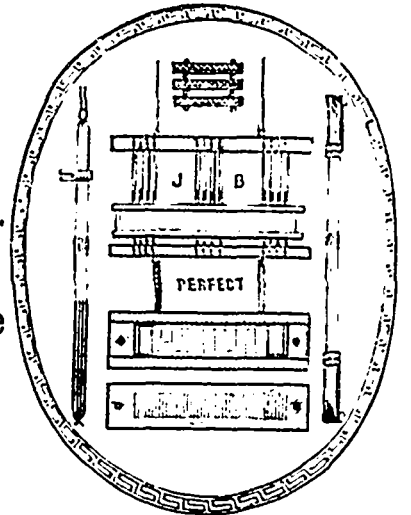
## JONES BROTHERS, BLACKBURN, - ENGLAND.

MAKERS OF

Harness and Reeds for weaving plain and fancy cottons, silks, tweeds, sackings, carpets, etc.

Debby Lattices and Pegs, Jacquard Fittings, Selvage Requisites, Springs of all sorts, Leather Goods for looms.

Expanding Combs, Wire Harnesses, Check Loom Tackle  
AGENTS WANTED.



## CHAPMAN VALVE MANUFACTURING CO.,

Makers of **VALVES**

... For all Purposes and all Pressures, and ...

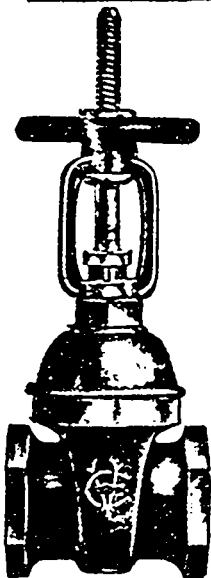
## FIRE HYDRANTS

With Babbit, Bronze Metal or Removable Rubber Seats.

All Genuine Chapman Valves bear our name and Trade Mark. Send for 1900 Descriptive Catalogue.

BRANCH OFFICES: Boston, New York, Chicago, Philadelphia, San Francisco, London, Paris and Johannesburg, S.A.

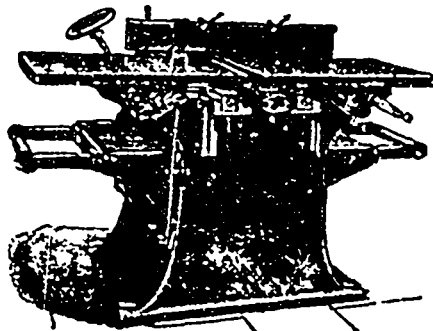
Montreal Office: Babcock & Wilcox, Ltd., 202 St. James Street



### AMALGAMATED.

All the news on it and the copper situation generally are presented only in the Boston News Bureau. Subscription \$12 per annum. C. W. BARRON, publisher, 1 to 7 Exchange Place, Boston, Mass. Send for sample copy.

The ten years' franchise of the Montreal Terminal Railway was adopted by the City Council, and Manager Mullarky formally accepted it. In addition he notified the city he was ready to deposit \$25,000 and sign the contract at once.



MALKIN, BINNS & FOSTER,

MAKERS OF

High-Class

Woodworking Machinery.

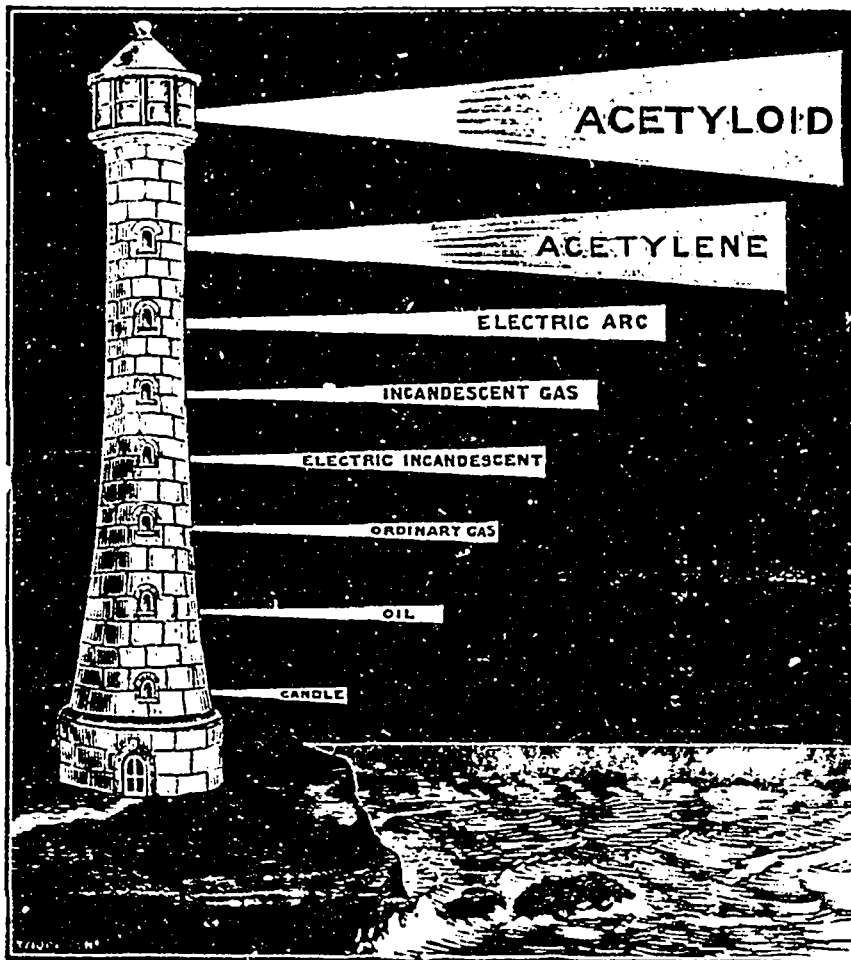
CAOL LANE,  
Halifax, ENGLAND.



The **LATEST INVENTION** in Gas Lamps and Apparatus is  
**The New Acetyloid Gas Lamp.**

GIVES A LIGHT LIKE DAYLIGHT.  
 The Principal Illuminents in order of Their Power:—

Simple  
 Safe  
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 factory

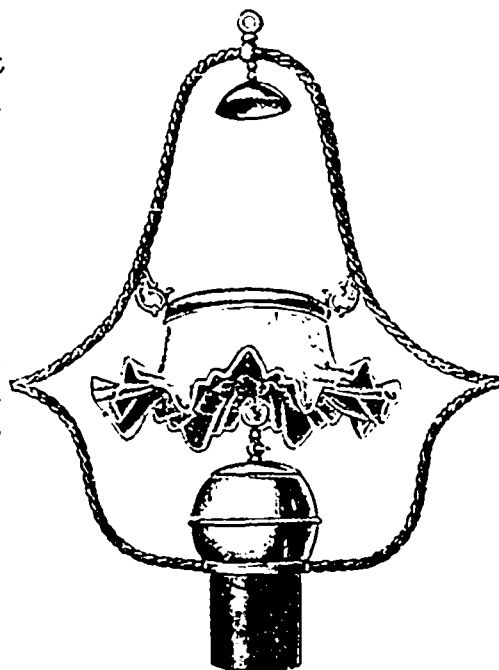


Burns  
 without  
 Smoke  
 or  
 Smell.

Simple in Construction and easy to charge.  
 Can be trimmed for use in a minute.  
 Is the only absolutely Safe Gas Lamp yet invented.



Made in Table, Standard, Bracket & Pendant Lamps for Domestic use. In Arc Lamps, Street Lamps & Contractors' Lamps for shop & outside use. With Search-light arrangement for ships & other uses. The most perfect system for lighting Railway Carriages & Stations. The most portable & satisfactory apparatus for Magic Lanterns. Absolutely the best for Carriages, Motor Cars, Cycle Lamps & for numerous other purposes.



Only **ACETYLOID** must be used in these Lamps.

This substance, unlike Calcium Carbide, can always be kept under control, will not decompose in ordinary atmosphere like Calcium Carbide.

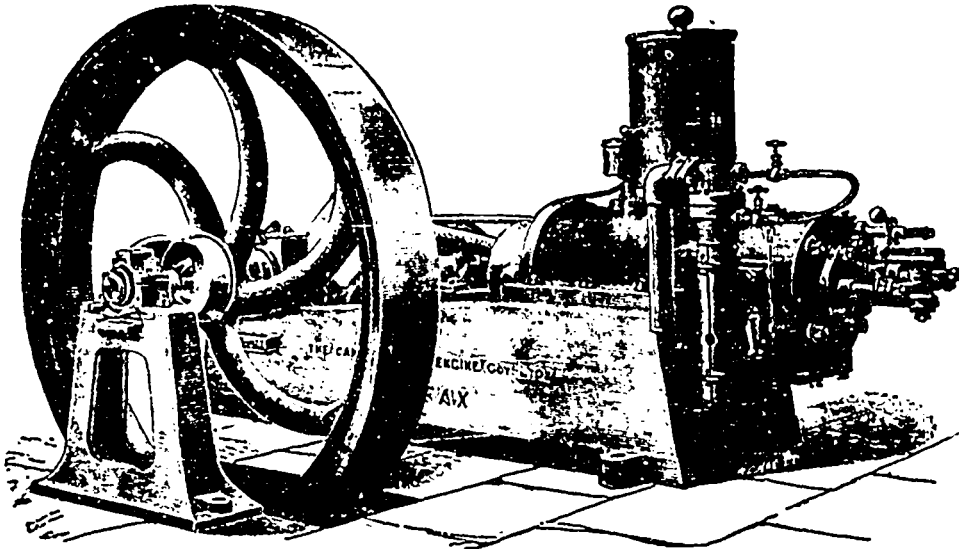
WORSNOP & Co., Ltd.  
 Halifax, England.

Head Office for the Dominion:  
 DOMINION MACHINERY Co., Ltd.,  
 204 St. James Street, MONTREAL.

THE

**"CAMPBELL" OIL ENGINE.****Has the Largest Sale of any Oil Engine in the World.**

Gold Medal Awarded, Paris, 1900.



Sole Makers

**THE CAMPBELL CASE ENGINE CO. LIMITED**  
**HALIFAX, ENGLAND.**

London Office—  
 114 Tooley Street,  
 London, S.E.

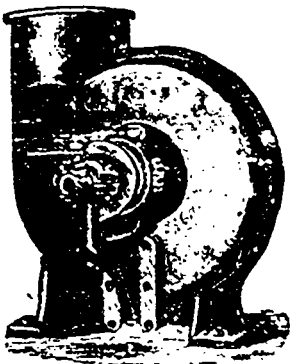
Glasgow Office—  
 104 Bath Street,  
 Scotland.

Special Terms to Canadians under the  
 Preferential Tariff.

**HEATING & VENTILATION.**  
**MATTHEWS & YATES, Limited,**

SPECIALISTS in all methods of  
**VENTILATING, HEATING  
 AND DRYING.**

**Cyclone Works,**  
 Swinton, near Manchester; Lancashire, also  
 LONDON and NEWCASTLE-ON-TYNE.

**SAMPSON FOGG & CO.,**

70 Major Street, Manchester, ENGLAND.

MANUFACTURERS OF

**Linen & Cotton Straining & Sieve Cloths.**

TWILL and PLAIN LAPPINGS.

SEWING COTTONS

On Bobbins, Paper Tubes or Spools (Knotless)

Bleachers' Mangle Cotton in Warp or Bundles.

HEMP &amp; COTTON TWINES, COTTON BANDING.

These goods are supplied under the New Tariff.

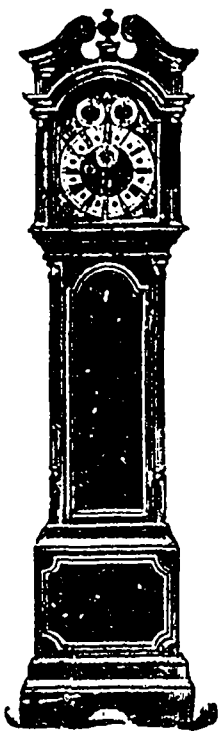
**GLASS BOTTLE MANUFACTURERS**

Bottles of the FINEST QUALITY as used by  
 MINERAL WATER MANUFACTURERS  
 ALE & PORTER BOTTLERS  
 Wholesale Druggists

*Nuttall & Co.*

Head Office & Works **ST. HELENS**  
 LANCASHIRE

Telegraphic Address NUTTALL'S HELENS  
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**CAMERER, KUSS & CO.**  
**WATCH & CLOCK**  
**MANUFACTURERS.**

59 New Oxford St., W.C.,  
LONDON, ENGLAND.

Manufactory: 2 Broad St., Bloomsbury, W.C.  
Branch: 186 Uxbridge Road, W.

MAKERS OF  
ENGLISH LEVER WATCHES,  
REPEATING WATCHES &  
CHRONOGRAPHS BRACELET  
WATCHES, 18ct GOLD  
JEWELLERY.

QUICK-  
TRIPPER,  
& MUSICAL, **CLOCKS**

LEVER STRIKING CLOCKS,  
400 DAY CLOCKS.

CHIME CLOCKS.

GRANDFATHER  
CHIME CLOCKS.

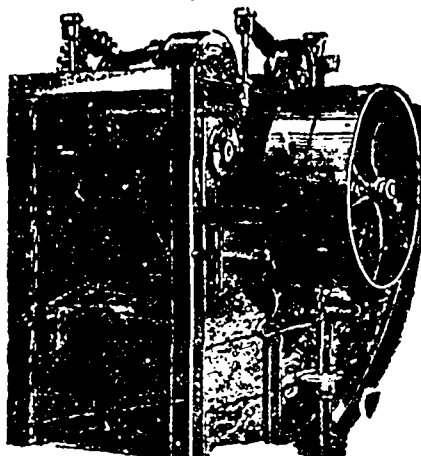
Illustrated Catalogue free on Application.

Orders Through Merchant Houses only.

**JAMES D. ASQUITH,**  
QUEEN'S MILLS, MORLEY, YORKSHIRE, ENGLAND.

MAKER OF ALL KINDS OF

Falling or  
Milling, Wash-  
ing, Wringing  
and Wetting  
Machines.



Maker of an  
**Improved large  
sized Milling  
Machine**, which is  
capable of doing over  
33 per cent. more  
work, makes fewer  
flocks, and, therefore,  
delivers a better piece  
than the ordinary  
Milling Machine,  
without any additional  
power.

Prices and testimonials  
on application.

Licensed valuer and  
£59 Arbitrator.

Special Rates to Canadians under the New Tariff.

**BEACON**  
**Fibrous Metallic Packing**

Some of the advantages gained will  
be found in our lists of testimonials.

We are also makers of a packing similar in appear-  
ance to our standard, but to suit Admiralty  
requirements

For Price and full particulars apply to  
the Sole Makers:

The Beacon Engineering Company, Limited,  
17 St. Ann's Square, Manchester,  
ENGLAND.

Telegraphic Address—"Constanov, Manchester."

HAMILTON, ONT.

Hamilton has another industry to add  
to its list. The Otis Elevator Company of  
New York City, manufacturers of electric,  
hydraulic and steam elevators, hoisting  
machinery of all kinds, etc., is about to  
form the Canadian Otis Elevator Company,  
Limited, for the purpose of manufactur-  
ing a full line of the elevators in the Dom-  
inion. The company has leased the ele-  
vator plant of Messrs. Leitch & Turnbull  
Company, and will begin operating there  
at once. The company intends to erect a  
large modern elevator plant, but has not  
yet decided definitely in what city the  
works will be located. A representative  
of the company was in Hamilton recently  
looking over likely sites, and the city offi-  
cials will be seen as to what inducements  
the city will offer in the way of exemp-  
tions. The company proposes to erect an  
\$80,000 plant, and to employ about 200  
hands.

SYDNEY, C. B.

Rev. M. A. McPherson, of Little Bras  
D'Or. has sold his extensive mineral depo-  
sits at Georges river, which include mema-

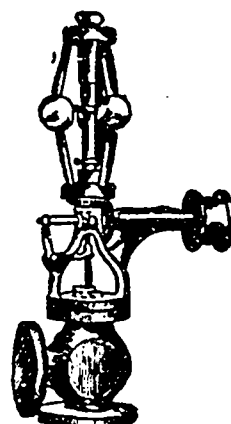
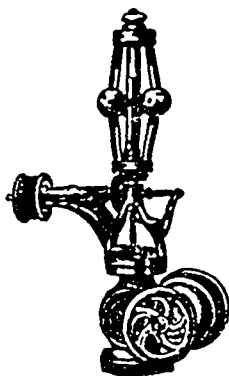
**ENGINE GOVERNORS**  
Pickering-Type.

Manufactured by

**J. & C. HAYTON,**  
Thornton Road  
BRADFORD  
ENGLAND.

Catalogues and Price List furnished  
on Application.

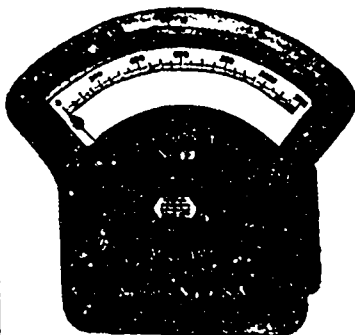
Special Rates to Canadians under  
the New Tariff.



**Weston Electrical  
Instrument Co. . .**

Waverly Park,  
Essex Co.  
N. J.

**Illuminated Dial Station Instruments.**



These instruments are based upon the same general  
principle, and are just as accurate as our regular Standard  
Portable Direct Current Voltmeters and Ammeters, but  
are much larger, and the working parts are enclosed in a  
neatly designed, dust-proof, cast-iron case, which effective-  
ly shields the instruments from disturbing influences of  
external magnetic fields.

WESTON STANDARD Portable Direct Reading Volt-  
meters and Millivoltmeters, Ammeters and Milliammeters,  
WATTMETERS and VOLTMETERS, for ALTERNATING  
and Direct Current Circuits.

Our portable instruments are recognized as standards  
throughout the civilized world.

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Voltmeters and Ammeters are still better.

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**“ Extra Granulated ”**

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## Cotton Waste &c. Machinery

For Cleaning, Breaking-up, Carding & Spinning on Coiler or Conden er

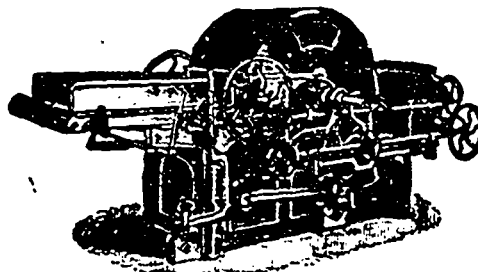
System:— Cotton Waste, Cop bottoms, Hosiery Clippings, Rags,  
Strips, Fly, Droppings, Sweepings etc. of various kinds

Engine Cleaning or Wiping Waste Making Machines: Woollen

Rag & Waste Tearing-up Machines: Hatters Wool Carding

Engines: Wadding Machinery.

Roving Waste Opening Machine.



*Cotton Slubbing Intermediate and Roving Frames,*  
from new models with Tatham's Patent "Duplex" Traverse Bars, etc.

**ROVING WASTE OPENING MACHINES.**

**WILLIAM TATHAM & Co., ROCHDALE, ENGLAND**

nite, nickel, carbonate of iron and magnetic iron ore, to an American syndicate. The syndicate is composed of H. S. Kiehl, H. F. Herzl Pittsburg, P. McKinney, of Cortigan, McKinney & Co., Cleveland; H. M. Whitney, Boston. The transfer is said to involve \$1,200,000. The syndicate will also likely secure possession of an extensive seam of anthracite coal, six feet in thickness, recently discovered on the Island of Boulardiere, only five miles distant, where iron ore and nickel are also present.

Eastern townships—Since the breaking of the water wheel at the Dominion Cotton

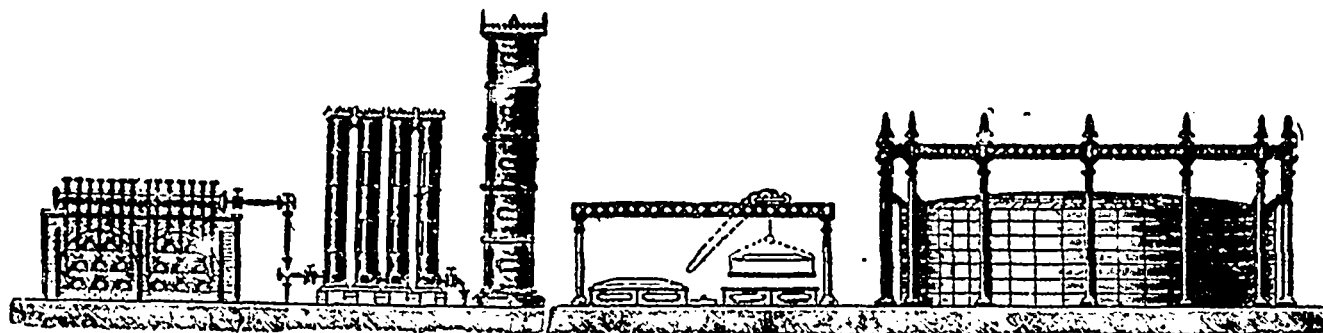
Company's mills at Magog, the print works are being run in the day time, and the cotton mills at night. It will be some time before a new wheel can be put in ready for use. The Waterloo Library Association has appointed a committee to call for tenders and sign a contract if advisable for the erection of a new library building. Plans of the proposed library building, prepared and donated by Mr. H. Guindon, an old Waterloo boy, who is now a leading architect of the City of Mexico, call for a two-storey building, 39x30, with a handsome front elevation. The first storey is intended for library purposes, and the second storey for a lecture hall.—The taxes

are light in Cowansville. The tax for municipal purposes, recently levied, is only two mills in the dollar—Lake Champlain lowered 21 inches during the month of April, notwithstanding the numerous rain storms. The level of the Richelieu river fell proportionately.—The Huntingdon Gleaner gives publicity to the report that Judge Belanger of Beaubarnais, intends resigning.—Work of rebuilding the Canada Paper Company's St. Francis Mill at Windsor Mills, which was burned last year, will be begun very soon. The coffer-dam at the site is now being completed, under the direction of William Ross, of Richmond. The arbitrators appointed to fix the value

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(Late SIMPSON & ROOK)

**Amy, Navy and Volunteer ACCOUTREMENT MANUFACTURER**

**LACEMAN AND EMBROIDERER,**

**4, Falcon Street, Aldersgate, London E.C., ENGLAND.**

of the assets of the St. Francis Bridge Company, which owned the bridge carried away at Richmond, Messrs. Louis Valles, J. W. Haskam and D. G. Lomas, have fixed the amount at \$4,950. The shareholders of the company will, therefore, have to pay up about \$7,000 besides losing their investment.

An important departure from the old methods of working is just now being developed at Messrs. Bolckow, Vaughan & Co.'s huge Cleveland steel works at Middlesbrough, England, where electric motive power is, as far as possible, being substituted for steam. Several contracts

have already been completed in connection with the extensive alterations which are being made, but all the work will not be completed until some time next year. The estimated cost of the electric installation is between £60,000 and £80,000.

One of the most interesting features of the German Dortmund-Ems Canal, which forms such an important link in the chain of canals that are destined to ultimately connect the rivers Rhine and Elbe, is the electrical lift near Honrichenburg. This contrivance has been constructed to overcome a fall between the main reach and that one at Dortmund, which, on an average, amounts to 46 feet. It is capable of

lifting .950-ton barges, 220 feet in length, 27 feet beam, and 6 feet 7 inches draught. Motors driven by dynamos, the latter being driven by steam engines of 220 h.p. each, supply the necessary electrical energy. One of these dynamos is always kept in reserve, while the other one is at work, thus ensuring under any circumstances a full service. The construction of this lift signifies a new departure, similar structures hitherto erected being only able to accommodate vessels of much smaller dimensions.

In order to deliver electricity in this city the Shawinigan Water & Power Company, has just given a contract for 260 miles of

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Estimates given for Special Machines with Grated Inkers and Distributors; also new delivery sheets, printed side up without topcolor figures.

aluminum wire to the Pittsburg Reduction Company, located at the Falls. This is the largest contract of the kind ever given in this country. Both aluminum and wire will be made at the Falls, and to draw the wire the Reduction Company has begun the erection of a wire mill and will go extensively into the manufacture of aluminum wire. The Shawinigan Water & Power Company say they will deliver electricity by December 1st.

### THE SALMON COMBINE.

A company organized at Trenton, N. J., called the United Canneries Company, purchased the canneries of British Columbia and placed them under one management. Some of the canneries were bought

## FENCING VARIOUS IRON SECTIONS STANDARDS.

"KACHANPUB" (Catch and Pull) Wire Strainer.

With Malleable Frame. Weight 4 lbs.  
Will Strain 200 yards.



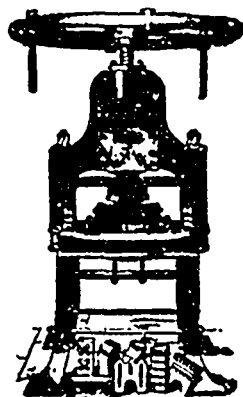
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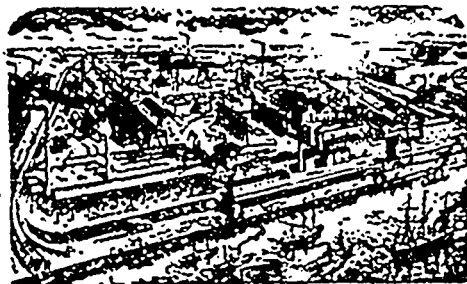
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FOR  
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or sale in our contract depart-  
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ROYAL MAIL PACKING for HIGH-SPEED, ELECTRICAL & other ENGINES.  
(DRYBROUGH'S PATENT.)

ENGINE WASTE, SPONGE CLOTHS.

Lamp and Candle Wicks, Mops, Spun Yarns, &c.

Victory Works, Manchester, ENGLAND.

for all cash and some for part cash and part stock. The deal was put through by Broker Jarvis, of Toronto, who secured shares valued at half a million dollars par for his trouble. The company is incorporated for \$4,000,000. Now that the British Columbia cannery business is definitely controlled it is said overture will be at once made to combine with the Alaska Packing Company, and thus control the salmon markets of the world.

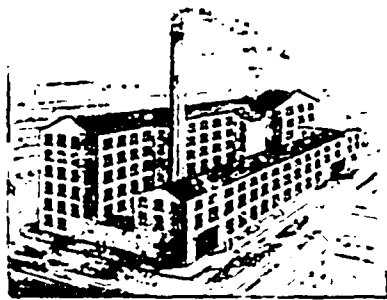
## The Greville Company.

The Greville Company, of 31 Upper Berkeley Street, London, Eng., are manufacturers of the electric lighthouse stove. This stove was originally devised for the sick room at the request of a London physician, and being an entirely novel principle of heating by electricity, the system was patented and the design registered. The Greville Co. consider that the quali-

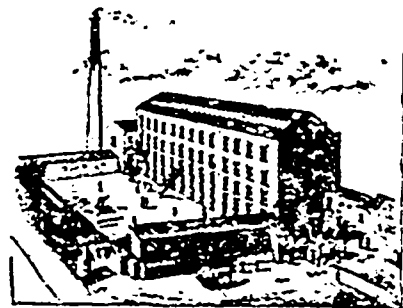
cations of this stove far outnumber those of any other method of heating for domestic use or otherwise, the main features being perfect regulation of heat by a system of switches. In this way no fumes or deleterious products of combustion are generated, consequently it gives pure heat only. The light in the lantern is optional. This stove renders a steady and regular heat always at hand night and day with absolute safety, as well as moist or radiated heat, as may be desired.

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Smallwares, &c.  
VELVET BINDINGS—  
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Dual, United, A Quality,  
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Combing and Wors-  
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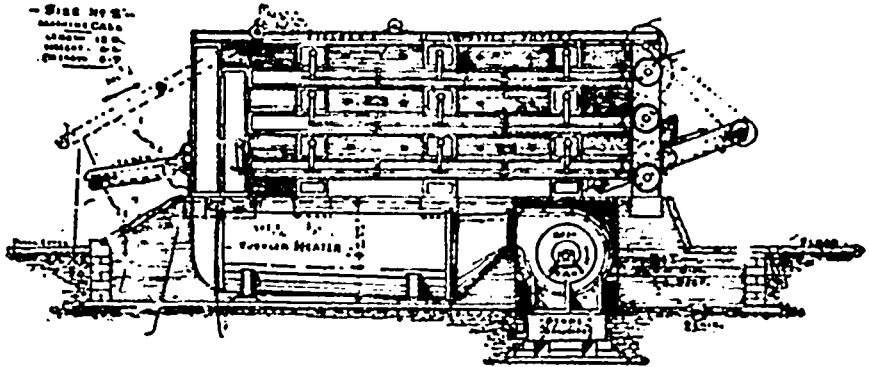
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WITH PERFORATED **SELF-CLEANING CONVEYORS.**

This Machine is very Economical, Durable and Fireproof. Patented in Canada and the United States.  
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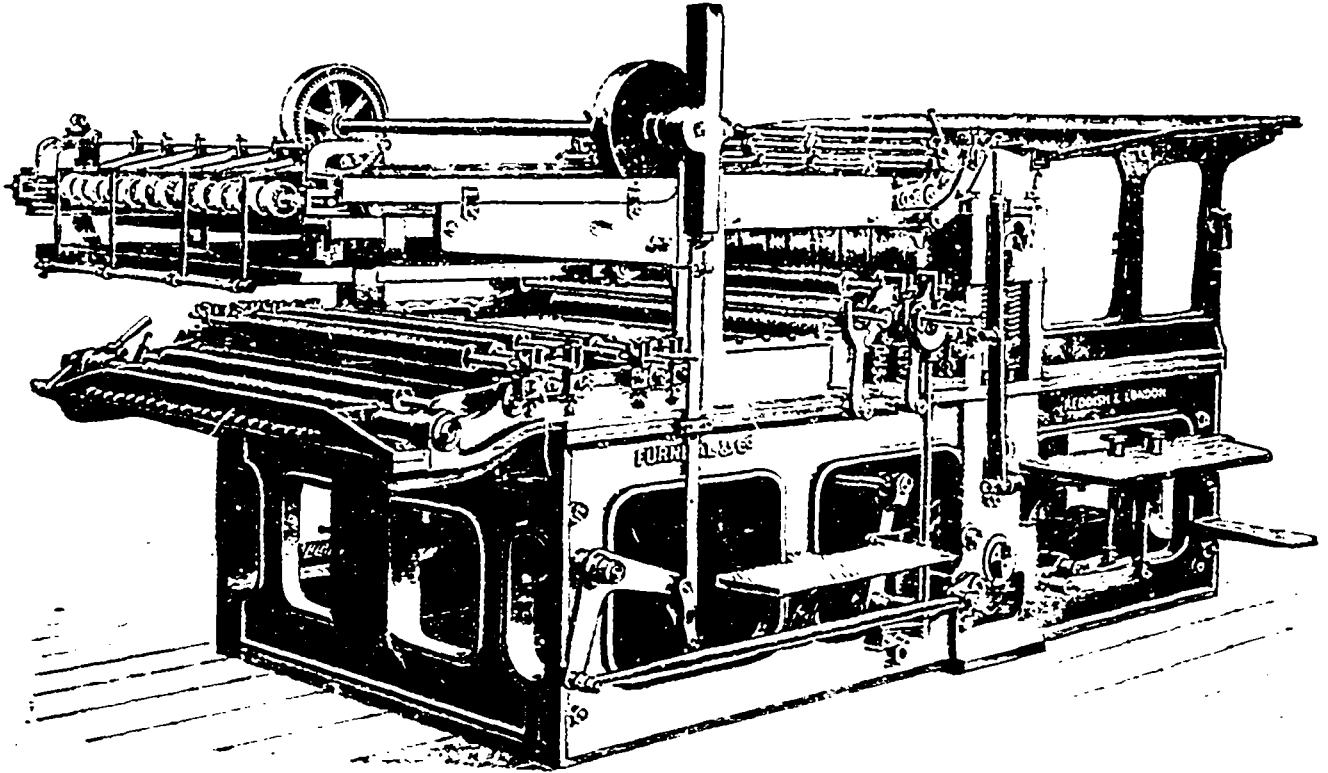
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MADE IN ALL SIZES, ON AMERICAN LINES.

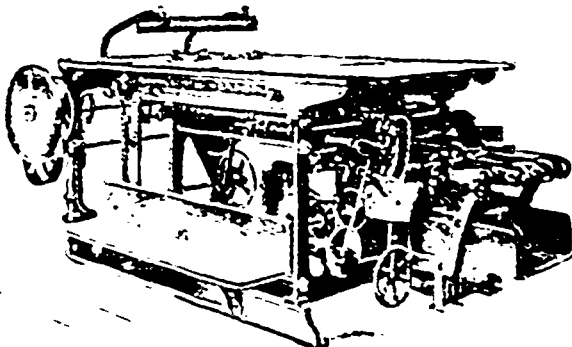


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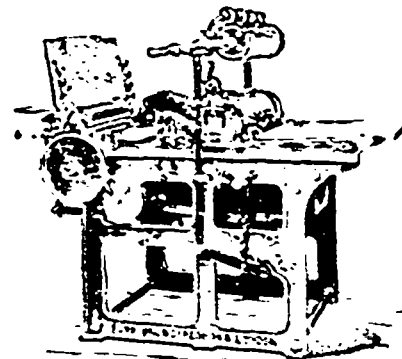
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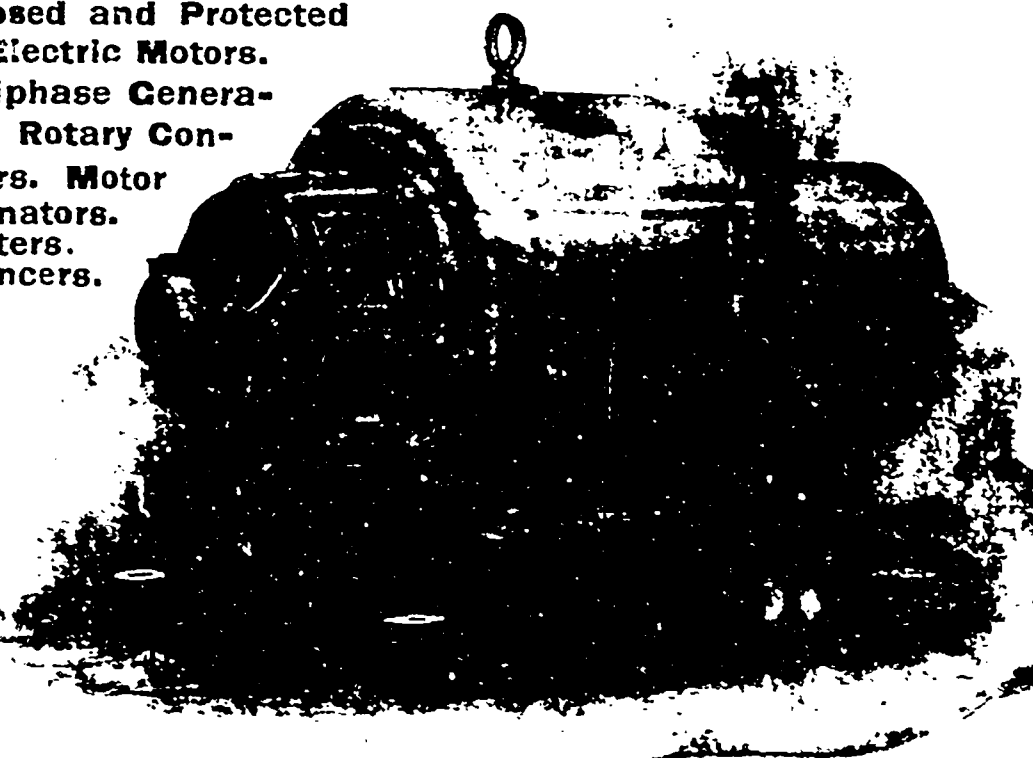
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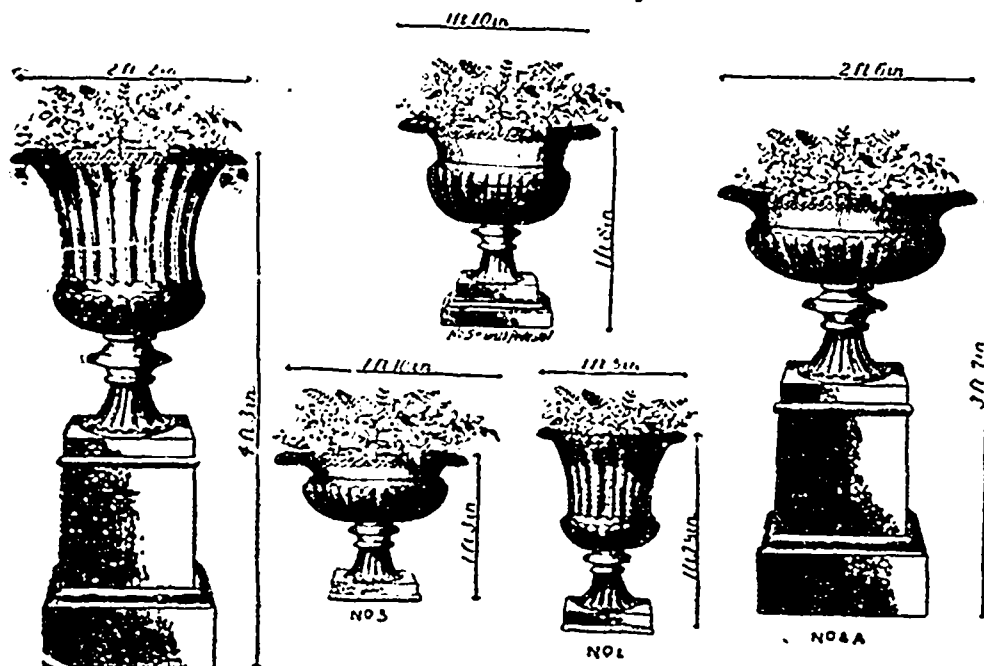


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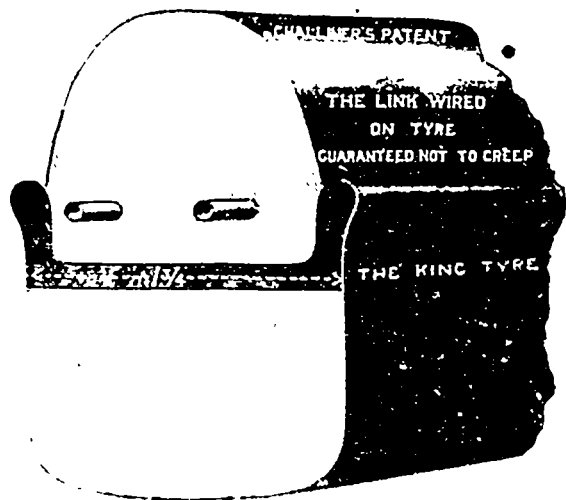
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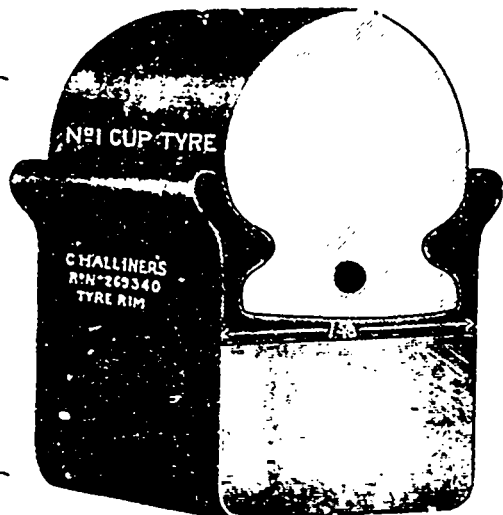
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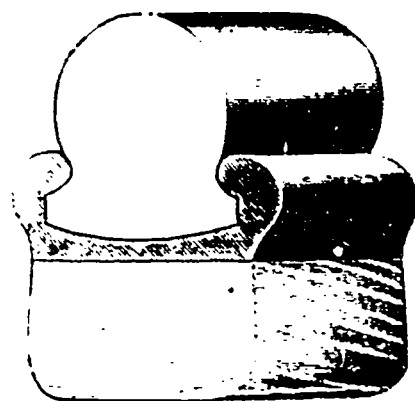


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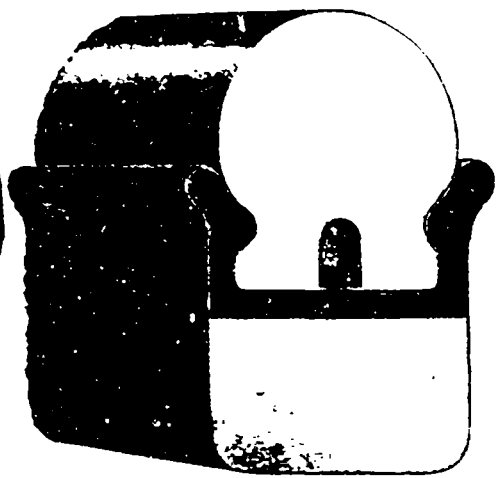
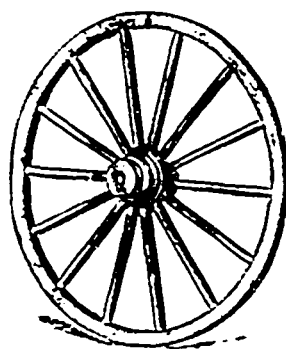


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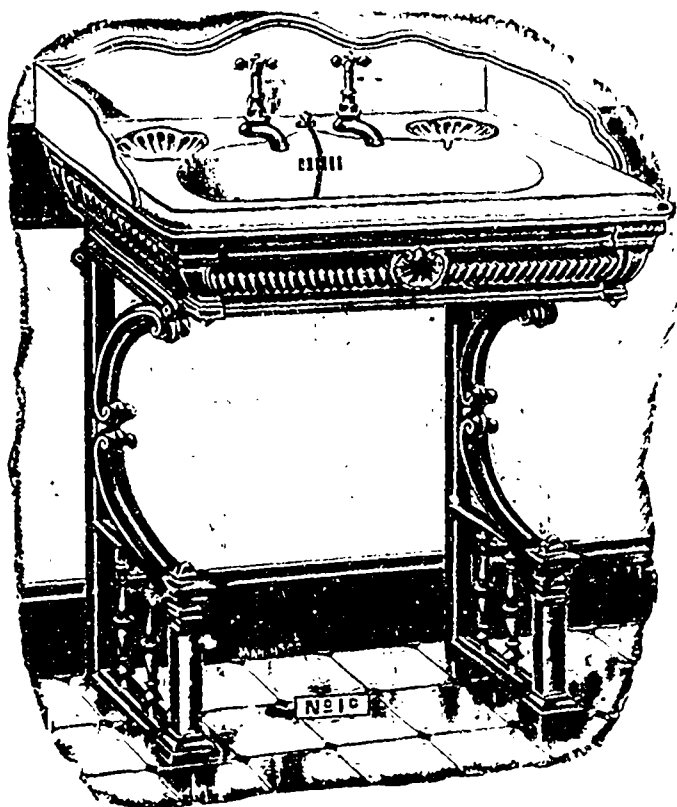
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ROCHDALE ENGLAND,

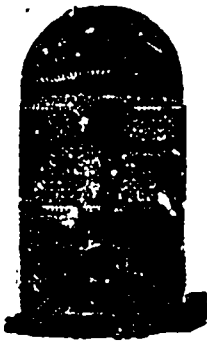
Makers of

**High Class Leather Belting.**

Agents for Canada:--

**The Dominion Machine Co. MONTREAL.**

**RILEY BROS.,**  
 PERSEVERANCE WORKS,  
 STOCKTON-ON-TEES, ENGLAND.  
 Turn out every description of



CORNISH, LANCASHIRE,  
 MARINE and VERTICAL  
 BOILERS

Also  
 TANKS, GIRDERS, SHIP MASTS  
 and  
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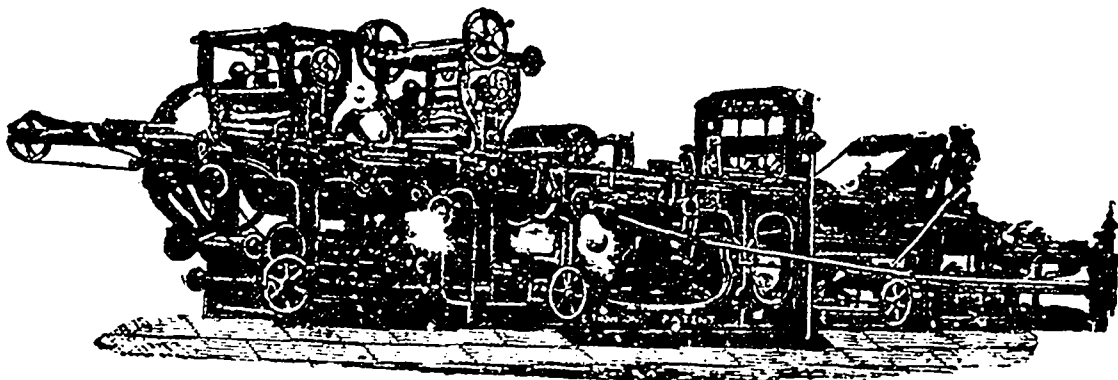
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**J. E. SHACKLETON,**  
 PAPER TUBE  
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Thomson's Patent Compound Cutting Machine for Hard and Soft Biscuits.  
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 ENGINEERS, - - EDINBURGH, SCOTLAND.

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**Electrical Wires and Cables**  
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*Diatrine Paper Insulated Cables.*

SPECIALLY ADAPTED FOR LIGHTING AND TRAMWAY MAINS.

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**MAKERS OF HIGH-CLASS MACHINE TOOLS.**

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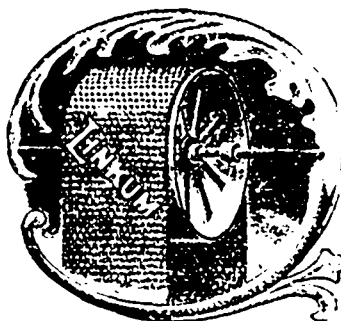
Planing Machines, Lathes, and Radial Drilling Machines, and Brass Finishers' Turret Lathes. Planing Machines, from 2-ft. to 5-ft. wide. Lathes, from 6½-in. to 18½-in. Centres, with Cap or Straight Beds, Radial Drilling Machines, from 3-ft. to 7-ft. radius.

SEVERAL MACHINES OF VARIOUS SIZES ALWAYS IN PROGRESS.

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**NEW PATENT**

**OF LINKUM BELTING**



"Linkum Belts" are Link Belts in which Leather is only used for each outside edge, the body of the Belt being made of a specially prepared paper. It runs like a tape and does not

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The bigger the belt, the greater the saving.

Price ½ per lb any size. Send for Samples.

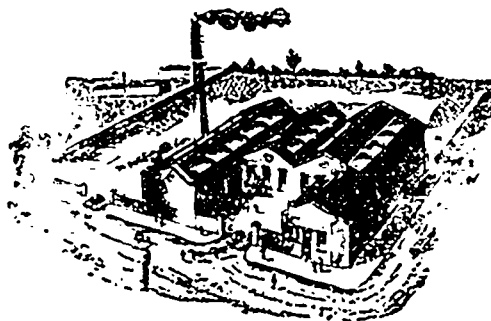
**Linkum Belting Co., Ltd.**  
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**THE HILLCREST OIL CO.**

(BRADFORD), Limited.

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Oil Importers, Distillers and Refiners.



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WOOL  
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HILLCREST BRAND—Special Rope Oils.—Marine Engine Oils. Cylinder Oils. Machinery Oils. Spinal Oils. Gas Engine Oils. Dynamo Oils. Sewing Oil. Lub. Grease. Binder Twine and Rope Makers. Mineral Oils delivered at any railway Station in our own Tank Waggon. Highest prices given for Recovered Oils and Greases.

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Montreal, Canada.

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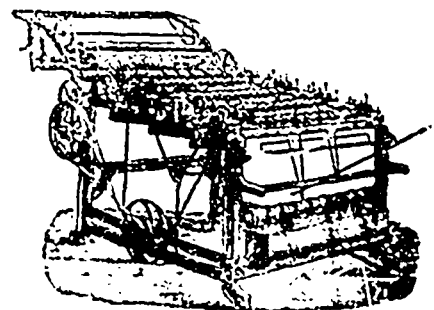
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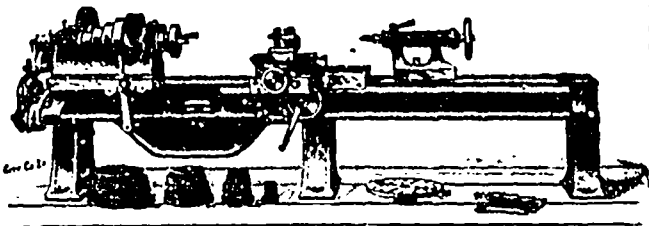
All communications, advertisements, etc., intended for insertion in "The Trade Review" should reach this office by Wednesday morning.



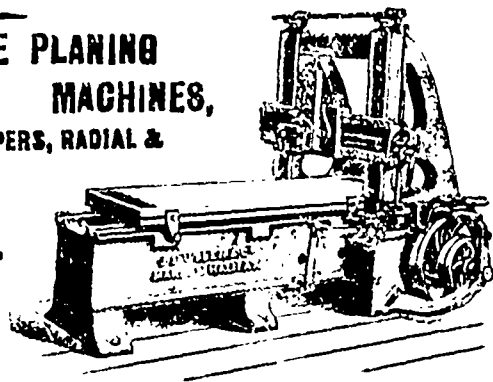
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QUEBEC WORKS,  
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BRADFORD, YORK, ENG.

Inventor and Maker of the  
Improved 2, 3, and 4, Cutter  
CLOTH CLEANING OR CROPPING MACHINE.

Special terms to Canadians under the New Tariff



Makers of  
**UP-TO-DATE PLANING  
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 SLOTTERS, SHAPERS, RADIAL &  
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|| A Kind of  
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**Victoria Iron Works,**

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Telegraphic Address: "Butler." Halifax, Eng

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Ardenworks, HALIFAX, ENGLAND,

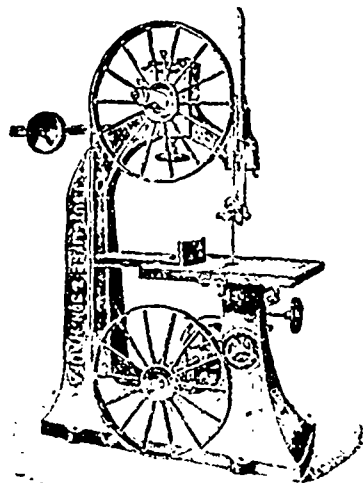
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Joiners, Contractors, Cabinet Makers, Carriage  
 Builders, Box Makers, and other Trades.

**CATALOGUES AND PRICES SENT FREE.**



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**NEWTON, CHAMBERS & CO.**

THORNCLIFFE IRONWORKS, near SHEFFIELD, ENGLAND. LIMITED

**Gas Engineers, Ironfounders & Contractors,**

London Office: 19, Great George Street, Westminster,

MANUFACTURERS OF EVERY DESCRIPTION OF

**PLANT, APPARATUS and MACHINERY for Gas and Chemical Works**

Retorts and Fittings, Mouthpieces with Self-Sealing Lids, Improved Coal  
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**PURIFIERS WITH PLANED JOINTS A SPECIALTY.**

Patent Centre-Valves, Rack and Screw Valves, Wood Grids and Scrubber-Boards,  
 Cast-Iron Mains and Specials, Structural Work, Columns, Girders and  
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DESIGNS, SPECIFICATIONS AND ESTIMATES FREE.

**PIG IRON** (Special Quality) for Engine Cylinders. **GAS COAL** famous for its unrivalled excellence  
 Special Prices to Canadians Under the New Preferential Tariff.

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Manufacturers of

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Quotations Promptly Furnished.

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Machinery for Confectioners, Bakers, and  
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**BOOT and SHOE**

Manufacturers.

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71 & 73. STOCKPORT ROAD,  
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**HAT**

**TRIMMINGS**

For Home and Export Trade.

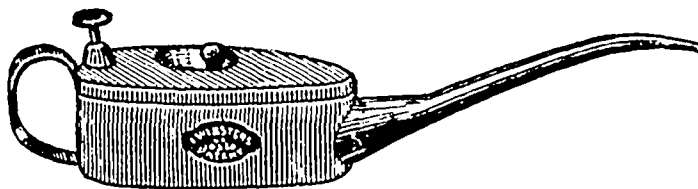
SOLE AGENTS FOR  
**HERMAN BEHR & CO.,**

Manufacturers of **HATTERS'**

**POUNGING PAPERS.**

SAMPLES & PRICES ON APPLICATION  
Special Terms to Canadians under the  
New Tariff.

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Manufacturer of Patent Steel Seamless Oil Cans, Torch Lamps,  
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Oil Feeders and all classes of Oil Feeders for General Purposes  
**A TRIAL SOLICITED. ENQUIRIES INVITED.**

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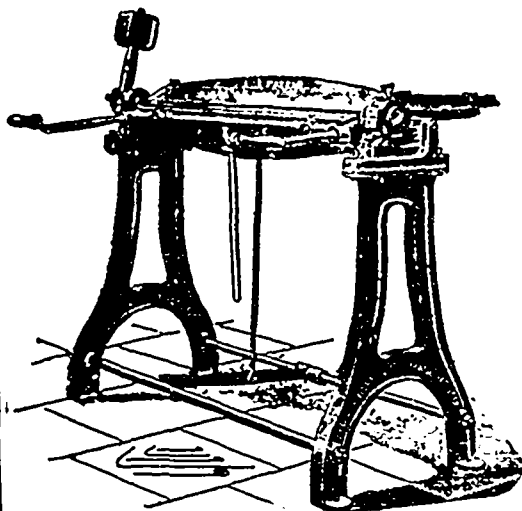
**Abbey Mills, Kirkstall, Leeds, ENGLAND**

Special Prices to Canadians under the New Tariff.

**The "BARHOPE"**

**FOLDER and ANGLE BENDER,**

Doing the work of Two Machines at the Price of One.



This machine will fold edges from one-sixteenth of an inch to 1 inch flat for grooving, or any other angle required; also a round edge for straight wring, and a double-fold for metal clips for almanacs, show-cards, &c. As an angle bender it will take any length of sheets, and turn either squares or round corners for canisters &c.

Made in sizes, 21 ins., 31 ins., 37 ins., and 48 ins.

**J. BARROW HOPE & Co.**

50 Lever Street, Manchester,  
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Tinplates, Iron and Steel Sheets  
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**SYBRY SEARLS & Co.,** SHEFFIELD, ENGLAND.

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**STEEL FILES  
CUT BY HAND.**

BARCELONA, 11 Plaza Palacio.  
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Steel for railroad decks.  
Steel machinery for mining.

# Caverhill, \* Learmont & Co.,

WHOLESALE  
**HARDWARE and  
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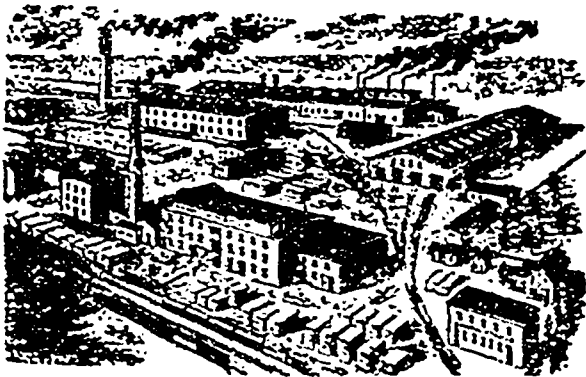
Caverhill's Buildings, St. Peter St., Montreal.

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Largest and Most Complete Stock of  
**SHELF HARDWARE** in the Dominion.

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*Car Works,  
Machine Works,  
Foundry,  
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Saw Mills.*

**W. LAZENBY**

CHRISTIANE STAINED GLASS

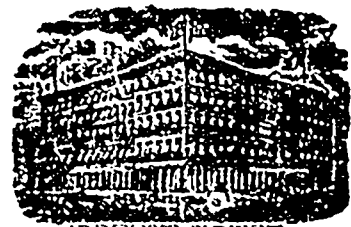
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CHURCH VENTILATORS & CASEMENTS

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ROSSIN HOUSE.

TORONTO, CANADA. A. NELSON, Prop.  
The proprietor has found it 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.

## ST. LAWRENCE HALL.

THIS HOTEL was opened on the First of May, 1879, by the former Proprietor, so long and favorably known throughout Canada, the United States and British Empire, who has spared no expense in entirely RE-FURNISHING the whole house; also adding ALL MODERN IMPROVEMENTS, which will considerably enhance the already enviable popularity of this first-class Hotel.

H. HOGAN, Proprietor.  
S. MONTGOMERY, Manager.

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→8 THE 8←

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Richman House.

ARTHUR,  
The Commercial Hotel, J. E. Morrison,  
Proprietor. Rates, \$1.50. Bus to  
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BARBIE,  
QUEEN'S HOTEL, Rates \$1.50 to \$2.00. All  
modern conveniences. P. F. Ewan, Manager.

BRACEBRIDGE,  
Dominion Hotel.

BRAMPTON,  
Graham House.

BRANTFORD,  
Kerby House, Robt. Sibbett, Prop., Rates,  
\$2 to \$2.50 per day.

BRUSSELS,  
Queen's Hotel.

BERLIN  
The Walper House, Rates, \$2.00 to \$2.50.  
Ellis & Kain, Proprietors.

CALEDONIA,  
Union Hotel, E. T. Hinds.

CAMPBELLFORD,  
Windsor Hotel. Thos. Blute.

CARLETON PLACE,  
Mississippi. W. McIlquham.

CAYUGA,  
Campbell House.

COBURG,  
Arlington Hotel.

CORNWALL,  
Rossmore House.

COLLINGWOOD,  
Grand Central.

DRAYTON,  
Royal Hotel.

GALT,  
Provincial Hotel.

International Hotel.

GEORGETOWN,  
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Prop. Heated throughout by hot water. Fine  
sample rooms. Best \$1 day house in town.

GRAVENHURST,  
Albion House.

GUELPH,  
Royal Hotel.

HAMILTON,  
THE WALKER, R. M. Gibson, Proprietor.  
NEW HOTEL, ROYAL, Paterson & Paisley.  
From \$2.00 to \$4.00 per day, according to  
location of rooms.

HANOVER,  
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HESPELER,  
The Queen's. Joseph Wayper, proprietor,  
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only first-class hotel in town. Bus meets  
all trains and steamboats.

KINGSTON,  
The Iroquois, from G. I. Ry. Everything  
New and Accommodation first class.  
Low Martin, Proprietor. Rates  
\$1.50 per day.

British American Hotel, in connection  
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Rates, \$2.50 to \$3.50 per day.  
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LINDSAY,  
Benson House. John Wardrobe, Prop.

LONDON,  
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L'ORIGINAL,  
Ottawa Hotel.

MILTON,  
Commercial House

MORRISBURG,  
St. Lawrence Hall W. H. McEannan, Prop.

NAPANEE,  
American Hotel.

NIAGARA FALLS,  
Grand Central Hotel, Jas. Dickinson, Prop. Opp  
G. T. R. depot and M. C. R. Every modern  
convenience. Terms: \$1.00 to \$1.50 per day.

NORTH BAY,  
Pacific Hotel.

ORILLIA,  
Orillia House.

Grand Central Hotel.

OSHAWA,  
Queen's Hotel.

OTTAWA,  
HOTEL CECIL,  
The model hotel of Canada  
Rates, \$2 to \$4 per day.

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HICKS HOUSE, John Wilson, Proprietor, \$1.25  
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quarters for summer tourists. In the  
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the best fishing and hunting in  
Canada may be found.

PETERBOROUGH,  
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Queen's Hotel.

PORT ARTHUR,  
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Bodega Hotel.

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Commercial Hotel.

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Revero House. Mrs. J. S. Huntingdon,  
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PRESTON,  
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Rates, \$1.50 and \$2.00 per day. \$3.00,  
\$10.00 and \$12.00 per week.

BENEFW.  
Ottawa House.

SAULT STE. MARIE,  
The 'Algonquin' House.

SMITH'S FALLS,  
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rooms on ground floor.

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Eleven miles from Niagara Falls.

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SIMCOE,  
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THEOROLD,  
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TORONTO,  
THE  
IROQUOIS,  
Up-to-date, Popular Tourist,  
Family and Commercial Hotel.  
Porters at all Trains and Steamers.  
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Simcoe. Most modern hotel in the  
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Thoroughly renovated and refurnished.  
Free bus to and from the hotel.

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Not excelled in Toronto. Rates, \$1.00 to  
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guests. Turnbull Smith, Prop.

The Arlington, Cor. King and John Sts.  
Rates: \$2.00 to \$3.00 per day. Porters  
and Busses at all trains and boats.

Lucas House, Temperance Hotel, N. W.  
cor. New City Hall. \$1.00 per day up  
Porter and bus at all trains and boats.

Palmer House, J. C. Palmer, Prop. Rates  
\$2.00 per day.

Rossin House. A. & A. Nelson.  
Queen's Hotel. McGaw & Winnett.

WOODSTOCK,  
Hotel Oxford, Woodstock, Chas. A. Pyne.

WINDSOR,  
Crawford House.

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AINSWORTH,  
Anglo-American Hotel.

CLINTON,  
Clinton Hotel.

NELSON,  
Phair House.

VICTORIA,  
Driard House.

VANCOUVER,  
Pacific Hotel.

Hotel Vancouver.  
[of C.P.R. Hotel System]

WESTMINSTER,  
Colonial Hotel

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BIRLEIGH,  
Rossin House.

BRANDON,  
Langham Hotel.

DELORAINÉ,  
Revero Hotel.

EDMONTON,  
Hotel du Canada.

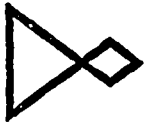
MORDEN,  
Commercial Hotel.  
Queen's Hotel.

PORTAGE LA PRAIRIE,  
Grand Pacific Hotel.

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Makers of Iron and Steel ———— **BERRIDGES.** A. B. C. Code used

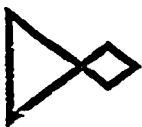
## BERRIDGES.



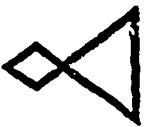
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Floor Plates.



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**SELKIRK,**  
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**BANFF,**  
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**BROADVIEW,**  
Canadian Pacific Hotel.

**CALGARY,**  
Royal Hotel.  
**QU'APPELLE,**  
Qu'Appelle Hotel  
[Leland House]  
**ST. BONIFACE,**  
Quebec Hotel.  
**WINNIPEG,**  
Queen's Hotel  
Grand Union Hotel  
Leland House.

**QUEBEC.**

**AYLMER,**  
British Hotel.  
**COATICOOK,**  
Coaticook House, M. Knight, Prop.  
**GRANBY,**  
Windsor Hotel.  
**GRAND MERE,**  
Laurentide Inn, N. Grenier, Proprietor,  
C. Clement, Manager.  
**LAKE ST. JOHN,**  
Roberval Hotel.

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Richelieu Hotel, St. Vincent Street,  
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Rates, \$1.50 to \$2.50 a day.  
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Opposite Grand Trunk depot and two  
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refurnished. Cuisine and appoint-  
ments equal to the best. Rates—Amer-  
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European plan \$1 per day and upwards.  
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Stittwell's Temperance House, Furnished Rooms  
meals always ready, open all night. Single  
meal 15c, 7 meals \$1; 21 for \$2.75; 35 for  
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day. The most Centrally and Popular  
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Mountain Hill House, 94 & 96 Mountain  
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Steam Heat, Electric Light, Electric  
Bells, Bathrooms. Free Carriage  
to and from C. P. R. Station.  
House open for all Night Trains.  
Entirely Re-furnished Throughout.  
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Commercial Hotel.  
**ST. HERMAS,**  
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**N. S. & N. B.**

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moderate.

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conveniences. Free carriage to & from  
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in connection.  
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agement, excellent cuisine, run on strictly  
temperance principles, newly furnished  
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mouth. 60 rooms. 9 sample rooms.  
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R. Kiddell, Mgr.

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Hotel Stanley, J. W. Fowler, Prop. Com.  
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