

THE CANADIAN

JOURNAL OF COMMERCE

FINANCE

AND

INSURANCE REVIEW.

VOLUME LIV.

January 1st, 1902 to June 30th, 1902.

MONTREAL.

M. S. FOLEY, Editor and Proprietor.

1902.

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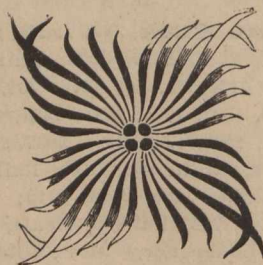
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Saturday, the first day of February next. The transfer books will be closed from the 21st to the 31st January next, both days inclusive.

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Toronto, December 24th, 1901.

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



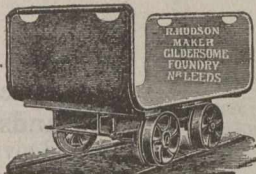
62—R. H.'s Patent Steel Goods Wagon, with Side Doors



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



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



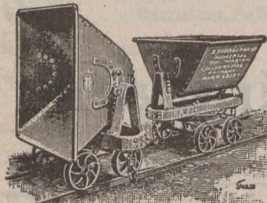
76—Hand Trolley, made to carry any weight or to suit any rail gauge.



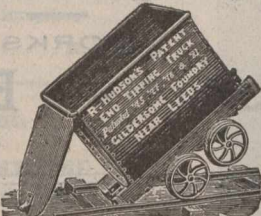
7c—R. H.'s Patent Steel Mining Wagon



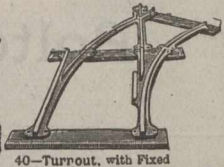
43—R. H.'s Patent Railway, for Rails, Rivets, or Loose Parts. Will last ten times as long as the ordinary kind. Guaranteed thorough by satisfactory



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



1—R. H.'s Patent Steel End Tip Wagon



40—Turnout, with Fixed Point



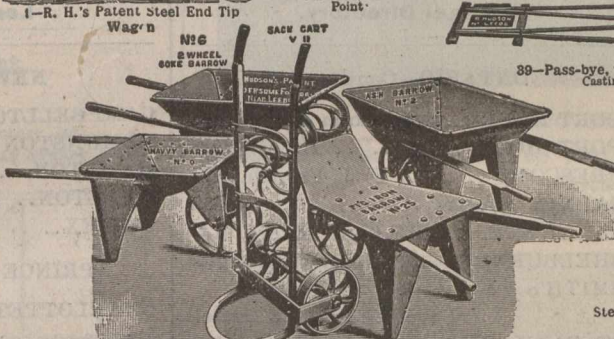
39—Pass-by, with Fixed Points Castings only



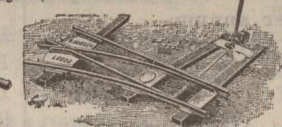
17—R. H.'s Patent Self-contained ball Bearing Turntable, dispensing with Lubrication and Masonry Foundations



27—Hopper Wagon, with Slide Door



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



10—Left-hand Steel Points & Crossing

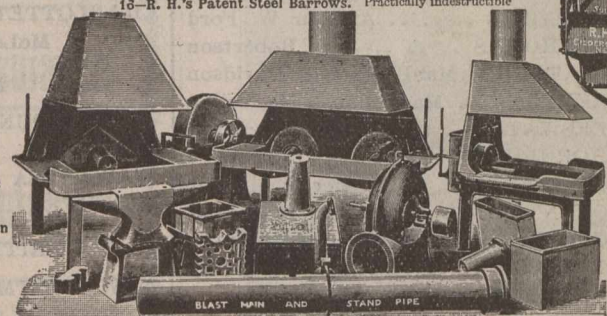


69—R. H.'s Improved Steel Hopper Wagon with Slide Door

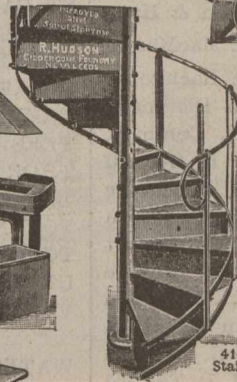
Steamship Barrow. Drawing V 10



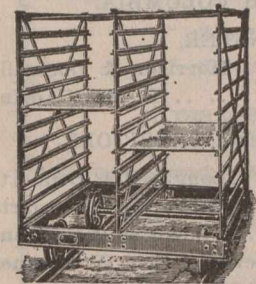
67—R. H.'s Improved Steel Ladder. Strong, very light, and durable



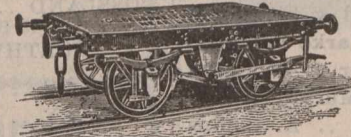
6—R. H.'s Patent Iron Smith's Hearths. No Brickwork required



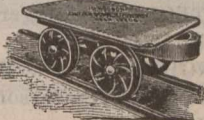
41—R. H.'s Patent Steel Staircases. Extremely light



68—Cake Drying Wagon



56—10-Ton Platform Railway Wagon



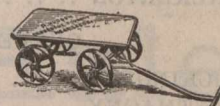
58—Steel Plate Bogie



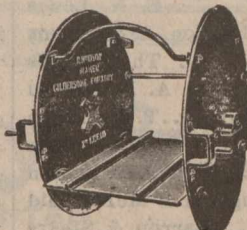
71—R. H.'s Improved Steel Tank Cart. 200 Gallons capacity



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



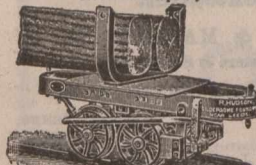
22—Two Tons Steel Plate Bogie. Practically indestructible.



78—Tippler for Mining Wagons



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



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



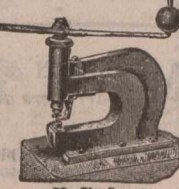
70—Foundry Fettling Box



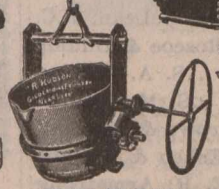
57—Steel Coal Box with Drop Bottom



4—Furnace Coal Wagon



33—Fly Punch



35—Foundry Ladle



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



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



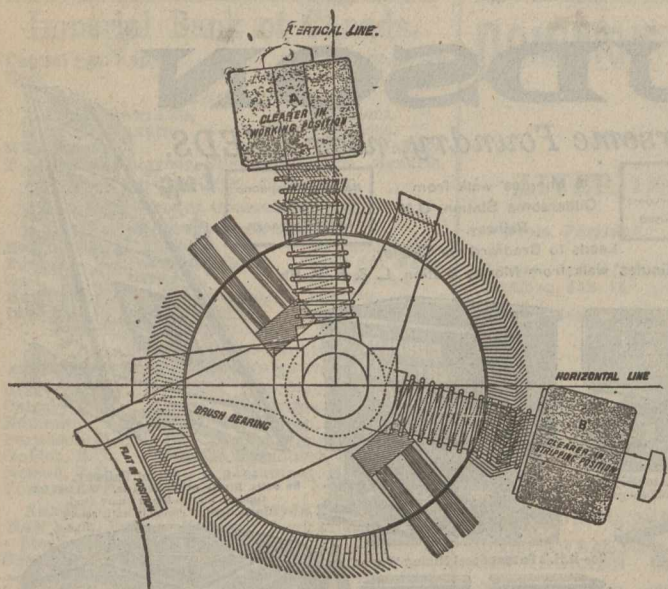
63—Mining Ribble with catching Valve in bottom

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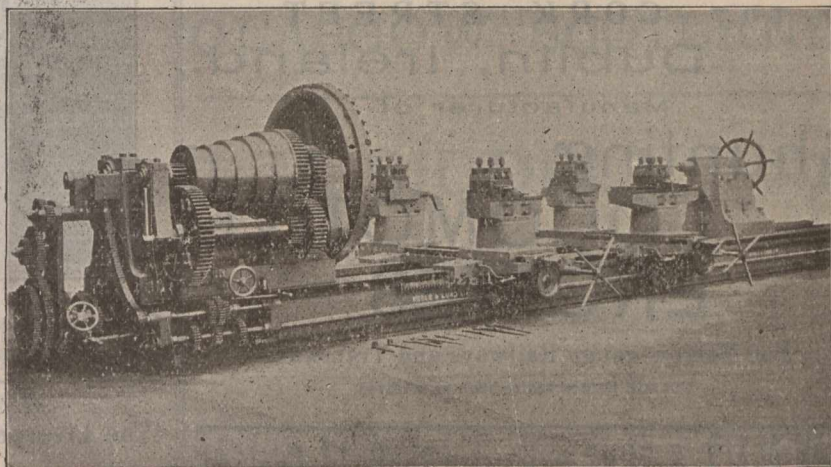
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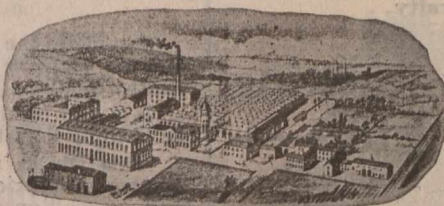
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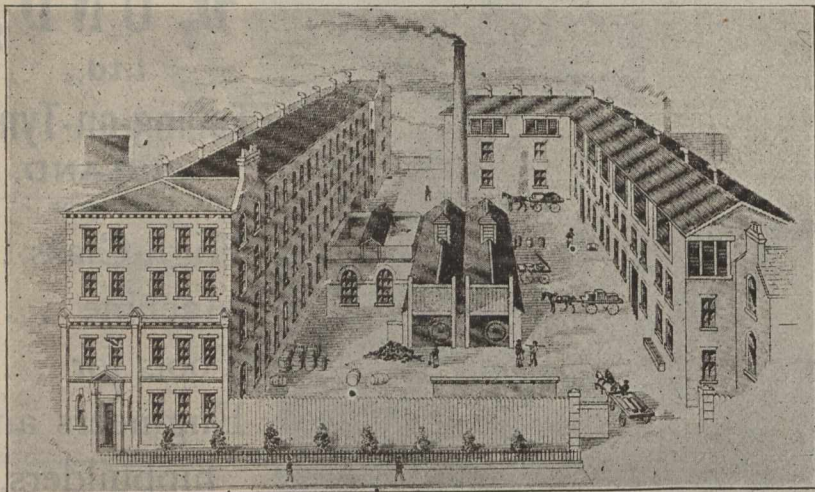
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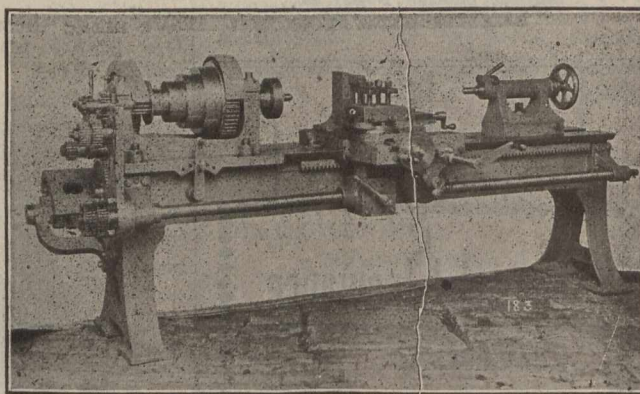
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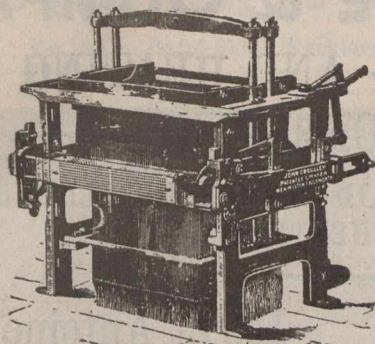
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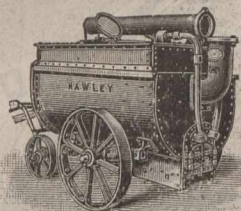
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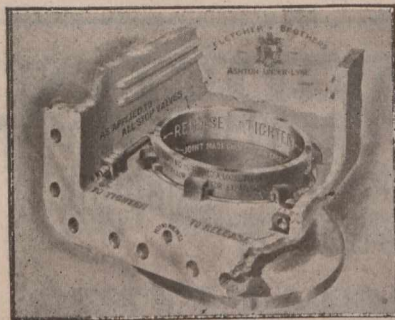
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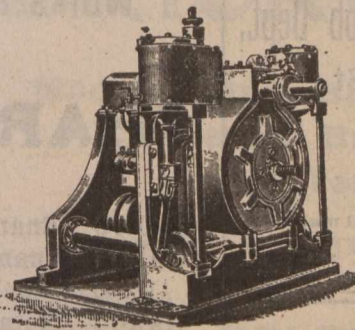
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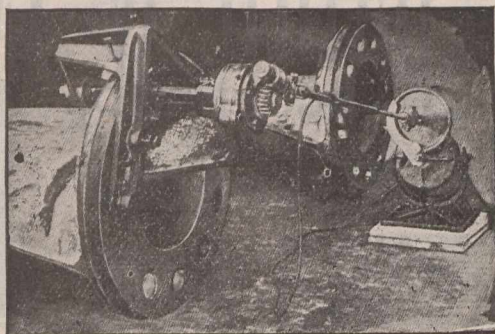
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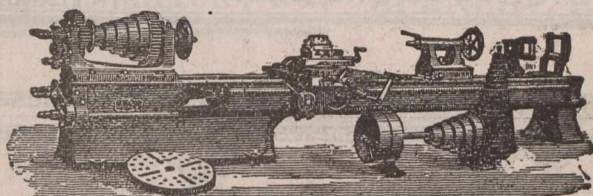
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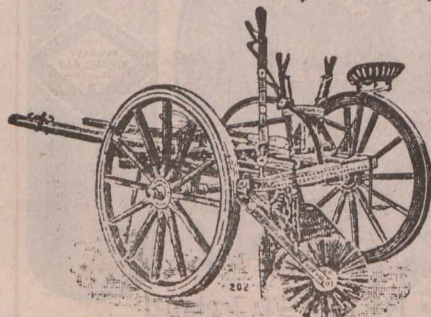
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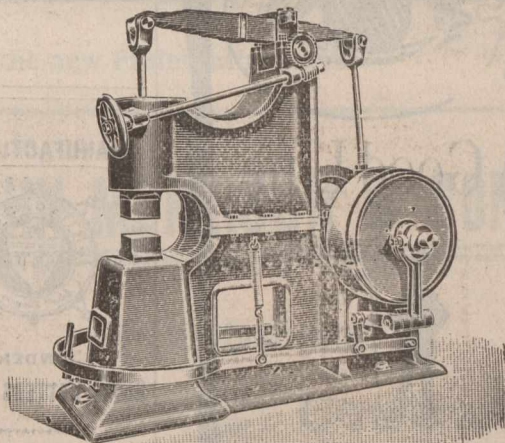
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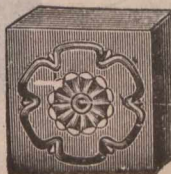


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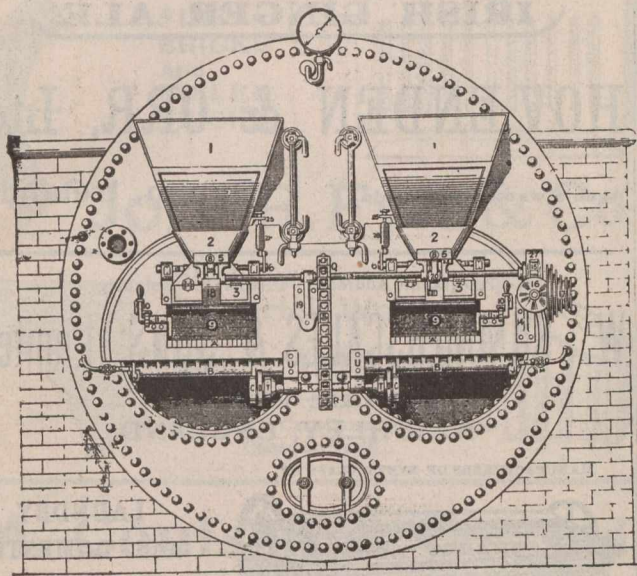
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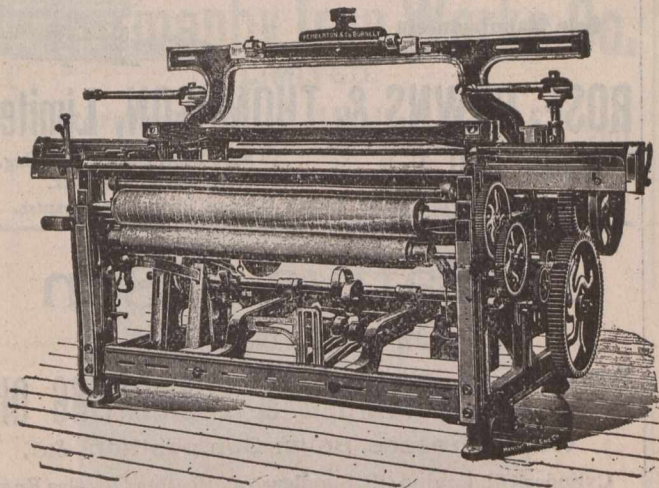
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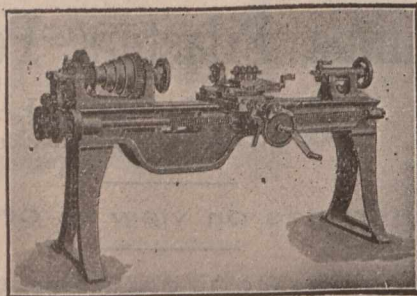
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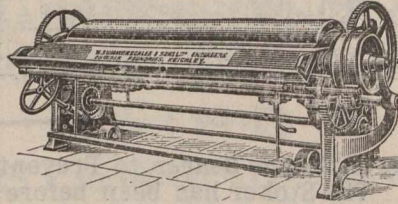
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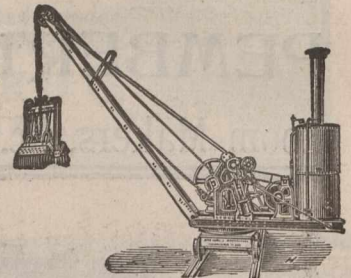
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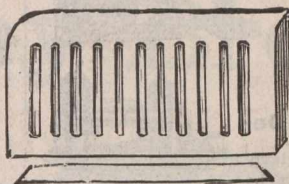
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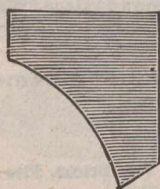
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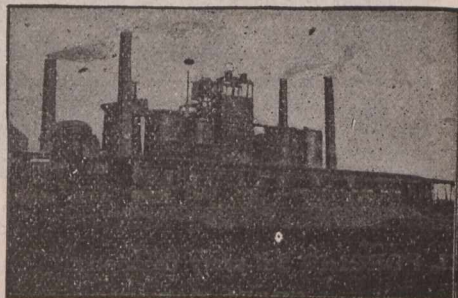
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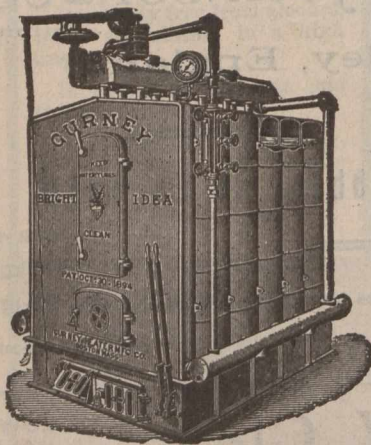
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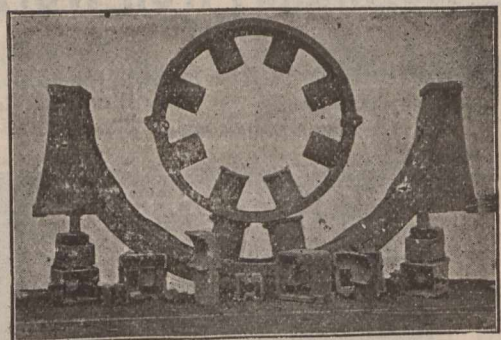


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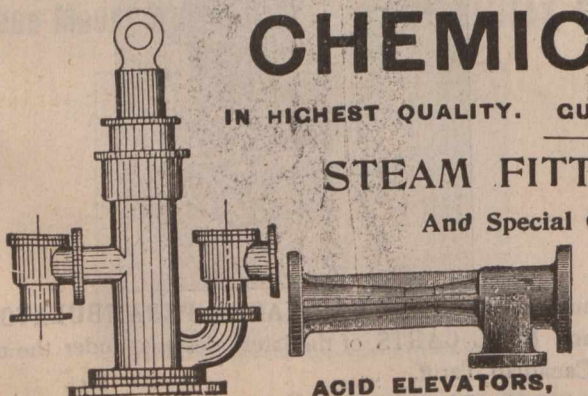
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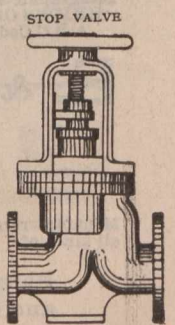
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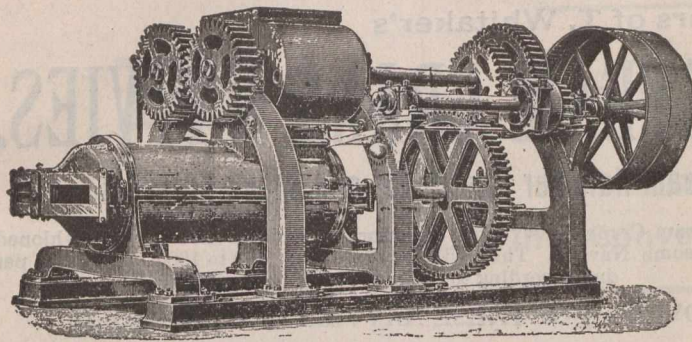
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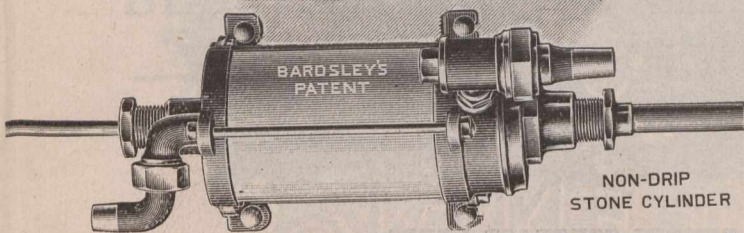
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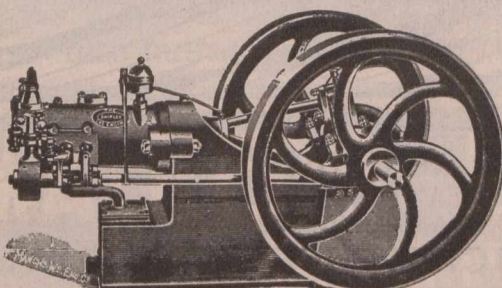
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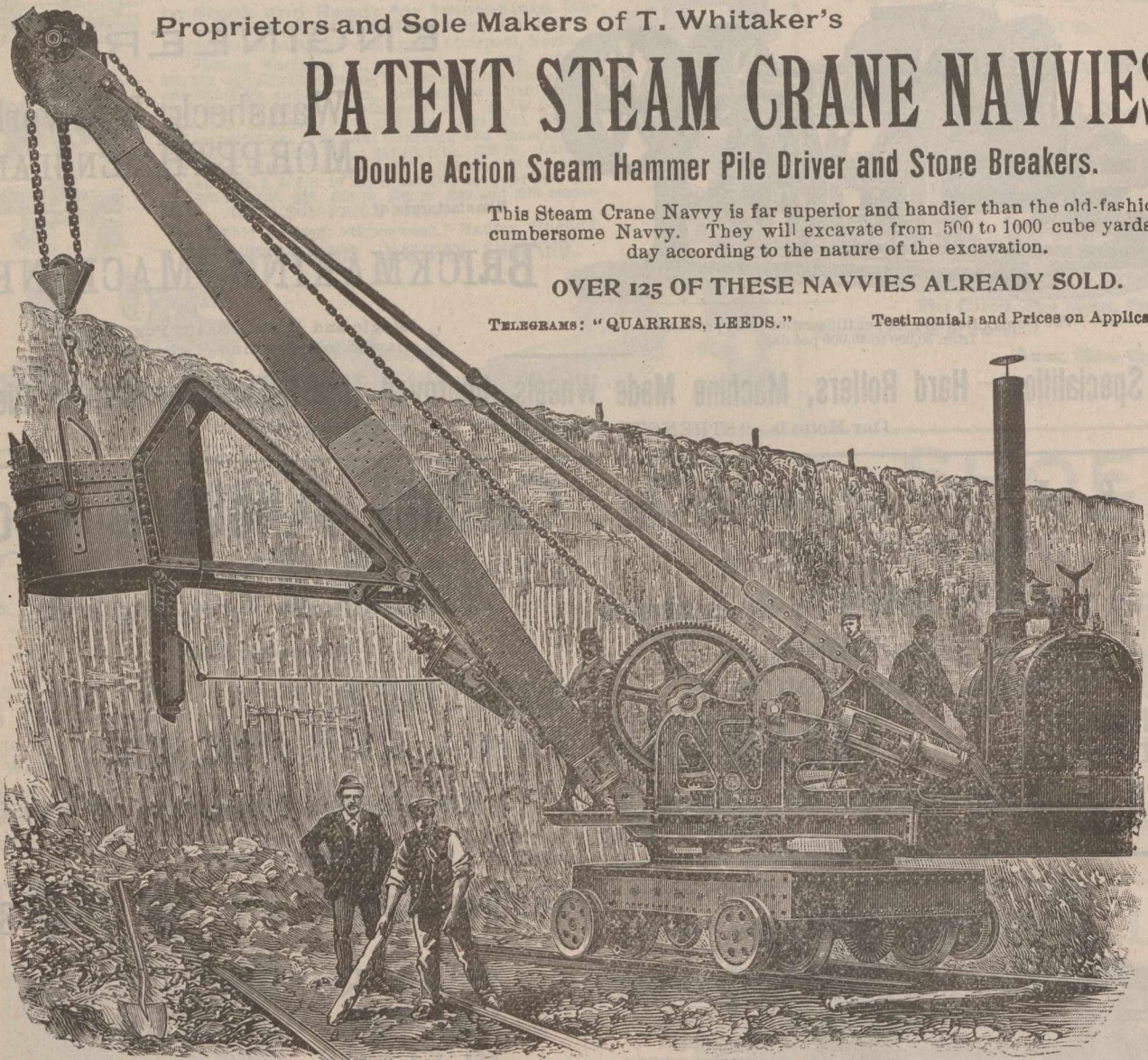
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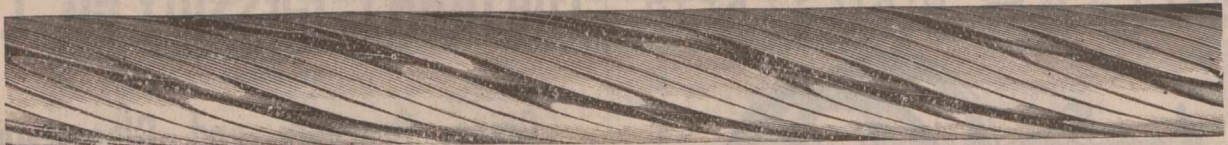
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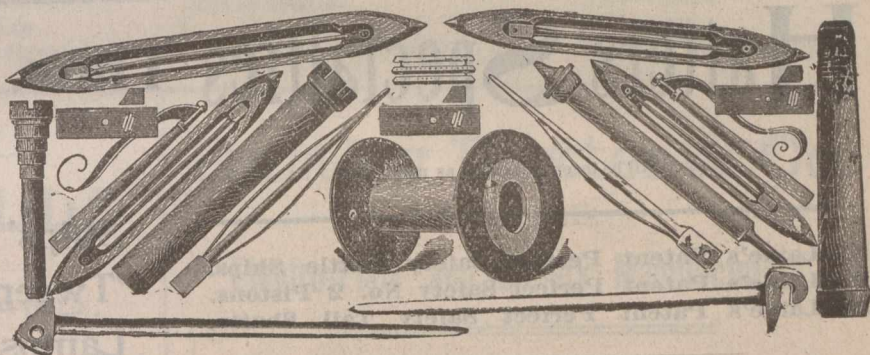
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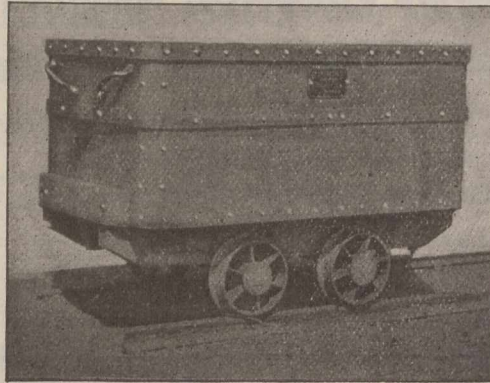
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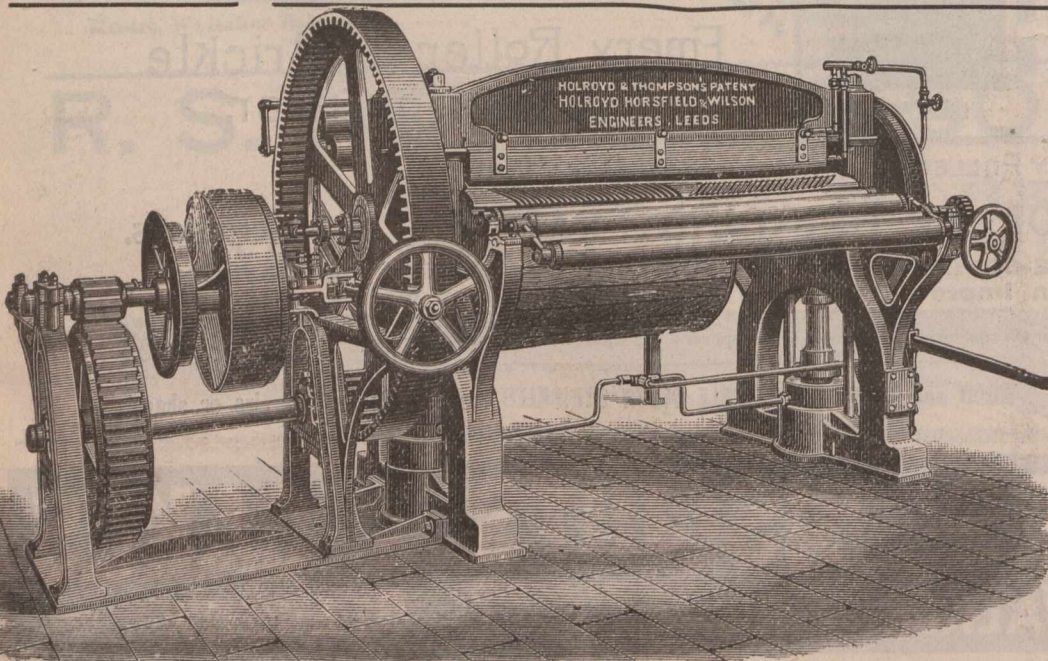
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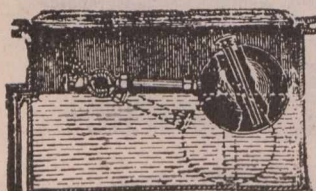
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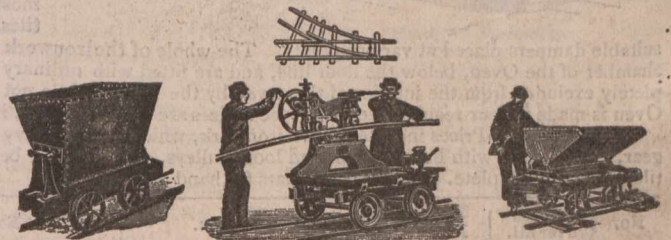
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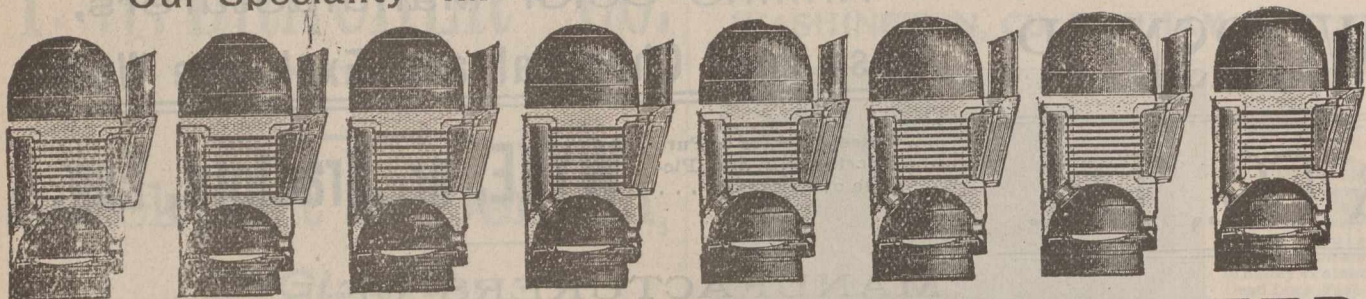
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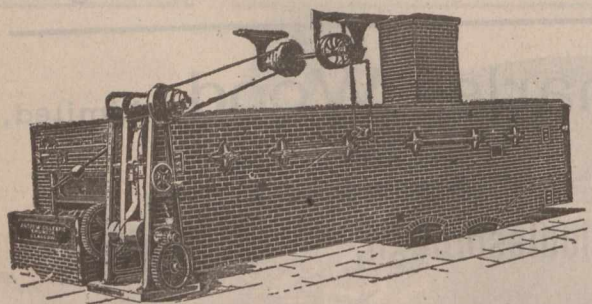
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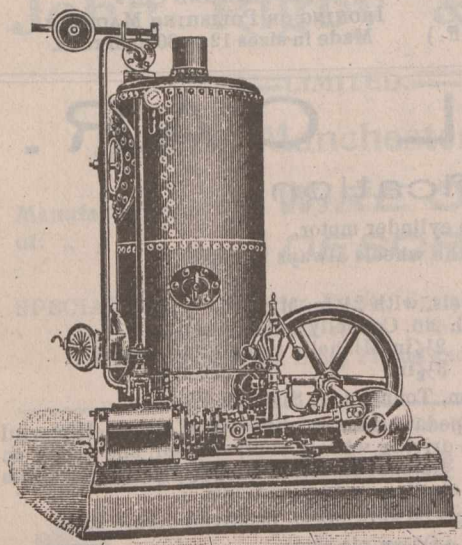
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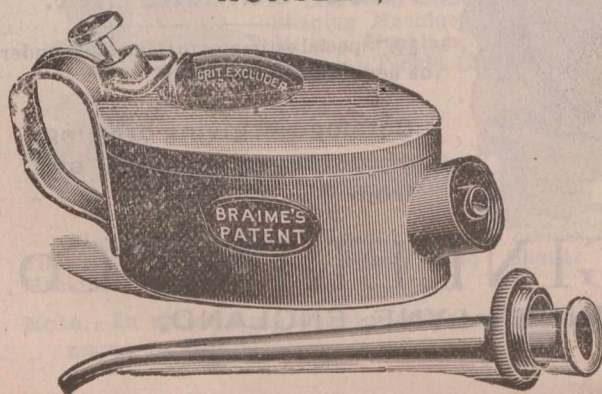
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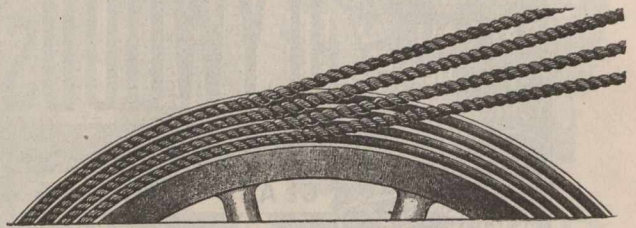
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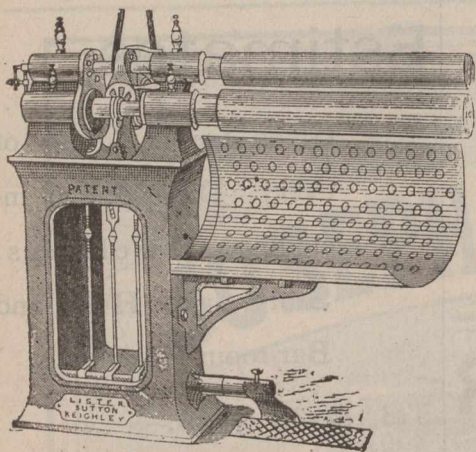
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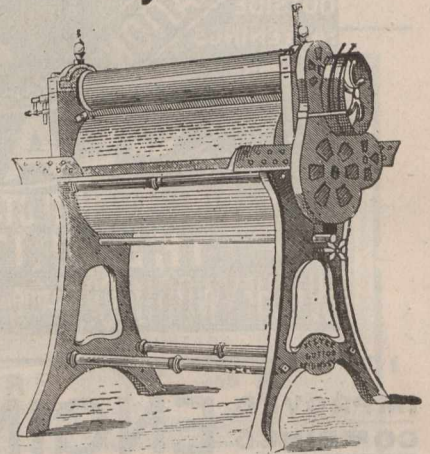


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- 34in. artillery wheels, with 2in. Connolly solid tyres.
- 32in. " " " 2½in. Michelin tyres, £8 10s. extra.
- 32in. " " " 3½in. " " £22 10s. "

Body.—Mail Phaeton, Tonneau, or Siamese Phaeton.

Brakes.—Powerful pedal brake on differential gear. Powerful lever brakes on driving wheels, compensated, and acting in both directions. Ratchet to hold the car on steep hills; this much facilitates starting on big gradients.

Pump.—Special slow-speed positive pump.

Radiator.—Of ample size.

Chains.—By the Coventry Chain Co.

Fitted with either a bonnet or basket in front,

300 Guineas net.

Special estimates to Canadians under the new Preferential Tariff.

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GOLD MEDAL AWARDED 1886

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

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

LEVANT, GRAIN, AND ALL INKS FOR LEATHER.

LIQUID GUM AND OFFICE PASTE.

Manufactured by **T. WEBSTER & CO.,**
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Suitable for any Climate. Agents Wanted.

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

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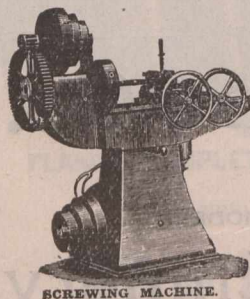
WILLIAM HEAP & Co., LTD,

Oldham Road Engineers' Tool Works,

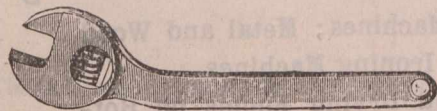
ASHTON-UNDER-LYNE, ENGLAND.

Engineers' and General Tool Makers.

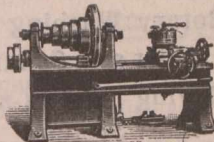
Makers of Lathes, Drilling Machines, Shaping Machines, Slotting Machines, Milling Machines, Screwing Machines, Screwing Tackle, Clyburn Spanners, &c.



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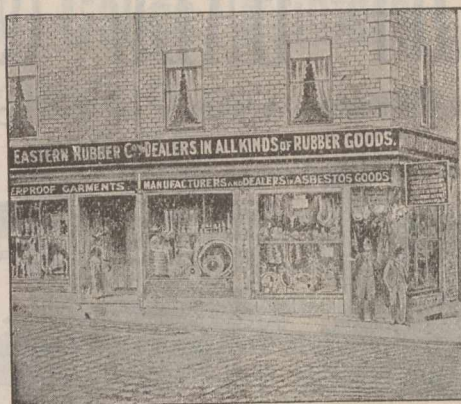
Also Roller Makers' Plant, Brass Finishers' Machines, and Bobbin and Shuttle Makers' Machinery.

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

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Manufacturers and Dealers in all Descriptions of



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

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ESTABLISHED OVER A CENTURY.

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Cutlery and Razor Manufacturers,

SCHWAB'S RAZORS, FULL HOLLOW GROUND.

Never requires Regrinding. Black handles 32s. per doz. Ivory handles, 50s. per doz.

Makers of the Celebrated "Seven Stars" and "Ripe and Dart" Razors, in great variety, with either Flat or Hollow-Ground Blades. Made from Highly Refined Steel.



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Manufacturers of every description of

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WM. BUCKLEY & CO.,

Patent Piston Works,

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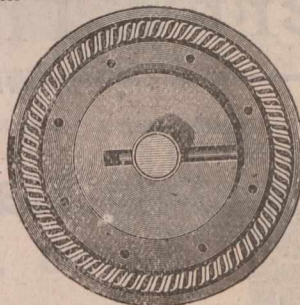
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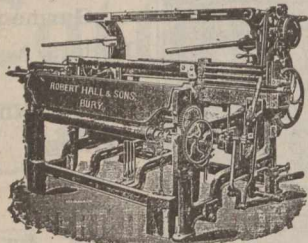
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F. O. B. at Manchester, under the new Preferential Tariff.

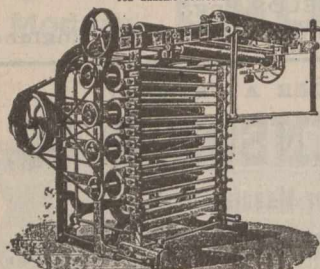
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No. 4 MEDIUM LOOM
FOR FANCY FABRICS,
Arranged to work 2, 3, 4 or 5 shuttles with DIGGLES BOX MOTION

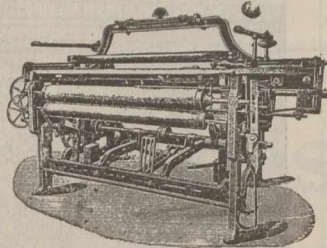


POWER LOOMS OF EVERY DESCRIPTION,
AND KINDS OF PREPARING AND FINISHING MACHINERY
FOR WEAVING PURPOSES.

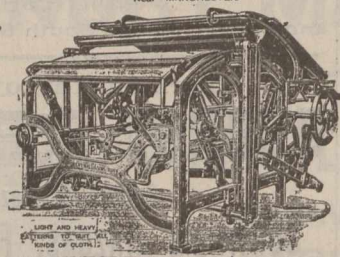


RAISING MACHINE
FOR PLAIN AND FANCY GOODS

OVERPICK No. 5c LOOM
TO WORK 1 SHUTTLE

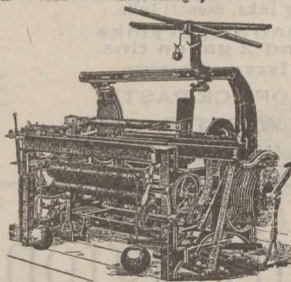


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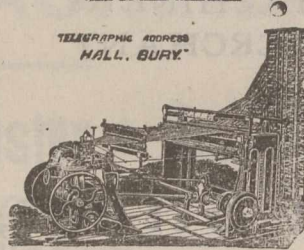


IMPROVED PLAITING OR FOLDING MACHINE,
WITH PATENT GRIP AND RELIEVING MOTION,
AND IMPROVED SETTING-UP MOTION FOR LONG AND SHORT PLATTS.

No. 1 LOOM with Positive Taking-up Motion. Double Cast.



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COMPLETE LISTS OF MACHINERY MADE ON APPLICATION.
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PATENT SECTIONAL BEAMING MACHINE.

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Complete lists of Machinery made on application.

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Registered Office: Lowermoor Leather Works.

OLDHAM. ENGLAND.

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

MANUFACTURERS OF

Oak Tanned and Helvetia Strapping.

PATENTEES AND SOLE MANUFACTURERS OF THE

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

The Cherry Tree Machine Co.,

LIMITED

MAKERS OF HIGH-CLASS MODERN

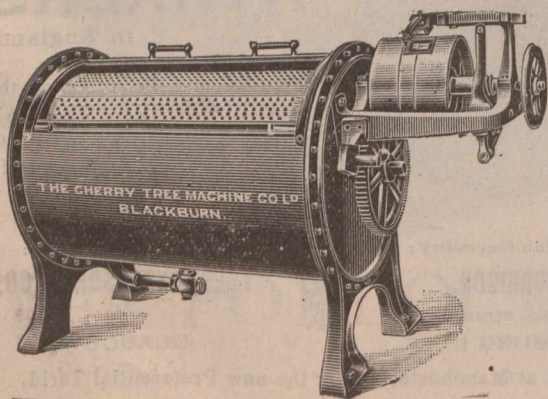
Laundry • Machinery,

Rotary Washing Machines; Metal and Wood
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Drying Closets and Drying Rooms on Hot-
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IT WILL PAY YOU GET OUR PRICES.

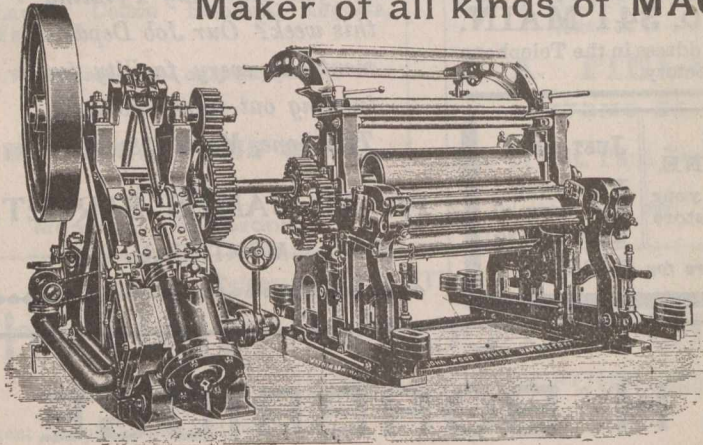
CHERRY TREE, near Blackburn, Eng.



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Maker of all kinds of MACHINERY for



Bleaching, Dyeing, Printing,
and Finishing Works

Estimates Given for Complete Works. Also PRINTING MACHINES for SANITARY WALL PAPERS.

GARDEN ST. FOUNDRY,
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Stationery

A Special Line.

Good, Straightforward Stationery
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Mail Orders receive our best attention.

MORISON SUSPENSION FURNACES.



EASILY SCALED.
GREATEST EVAPORATIVE EFFICIENCY.
HIGHEST FACTOR OF SAFETY.
MADE UNDER ALL SURVEYS.
LATEST FORMULÆ ON APPLICATION.
UNIFORM THICKNESS.

FLANGED COMPLETE BY HYDRAULIC MACHINERY AT ONE HEAT.

As supplied to the Cunard, P. & O., White Star, and all the leading steamship lines in the world.

The Leeds Forge Company, Ltd.
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These Furnaces are made from special quality of Open-Hearth Acid Steel made at our Works, from the best selected brands of Swedish and Cumberland Hematites.

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

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MONTREAL and TORONTO.

Manufacturers' Agents and General Merchants,

The Canadian Colored Cotton Mills Co.,
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MILLS AT

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Shirtings, Gingham, Ticks, Cottonades, Oxfords,
Denims, Flannellettes, Yarns, Awnings, Dress
Goods, Sheetings, etc.

THE PENMAN MANUFACTURING CO.,
PARIS.

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

THE AUBURN WOOLLEN MAN'G CO.
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Tweeds, Beavers, etc.

WHOLESALE TRADE ONLY.

See our

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LEDGER, (Miller Patent.)

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For Duplicate Invoices,
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**BELFAST GINGER ALE
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NEW OFFICE:

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Same Telephone
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QUININE WINE.**

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S. & H. BORBRIDGE

OTTAWA ONT.

186 Sparks St.

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Wholesale Branch at BRANDON, Man.

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Awnings, Tents Tarpaulins, Flags, Etc.

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Best for Table use

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MALT VINEGAR

LEEDS ENGLAND BREWERY

Special Prices to Canadians under the New Canadian Tariff

Canadian Colored Cotton Mills Company.

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

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Bell Tel.:—Main 2113. Accountant & Auditor.
SOLE REPRESENTATIVE FOR THE PROVINCE OF
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The ACCOUNT, AUDIT & ASSURANCE Co., Ltd.
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11 & 17 Place d'Armes Hill, MONTREAL, QUE.

Commercial Summary.

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

Telegrams: "UNITY, PADIHAM."

The Unity Wood & Iron Co.

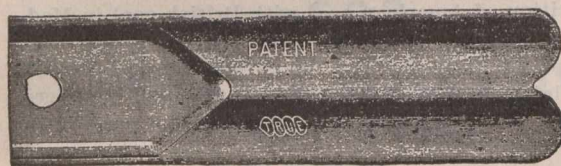
MACHINISTS, IRON and BRASS FOUNDERS,

Patent Temple Makers and Patentees,

Guy Foundry, Padiham, Lancashire, England.

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

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



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

Station Works, Padiham, England.

—The Canada Central Railway Company is applying for a charter to build a road from French River, Ont., to Vancouver.

—It is reported from Durban, S.A., that steamship firms are submitting proposals to the Government for a direct line to England, and that Natal is preparing to put six millions into the venture.

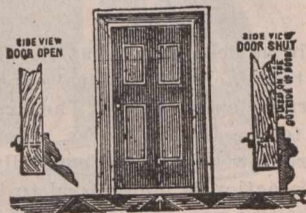
—Cape Town advices state that at the annual meeting of the De Beers Mining Company at Kimberley, the chairman announced that the gross profits for the year were £2,750,000, the production being £4,500,000. The estimated life of the mines is 144 years.

—The Ontario Crown Lands Department have been advised that 1,007 locations of land were taken up in the Temiskaming region during the first eleven months of the year. This is equivalent to more than 160,000 acres, or equal to seven townships. Mr. Thomas Southworth, Director of Colonization, has been advised that about 20 families of settlers, with 30 car-loads of effects, will leave Faulkton, in South Dakota, and will take up land in the neighborhood of Port Arthur, a small party having already come over from that point.

—The Canadian Packers' Association at a recent session at Hamilton decided to establish qualities standard for the various goods and a committee will inspect the outputs of the factories associated with the association, and grade the prices according to the standards. The association is determined to have the best class of goods on the market. The packers also concluded that, to relieve the present over-production, an export trade was necessary, and arrangements were made to establish stores in England, Scotland and Ireland, and to adopt up-to-date methods to bring before British merchants the goods put by Canadian packers.

Slater's Patent "RELIABLE" Draught

Dust & Rain



Stopper

For the Bottom of Doors.

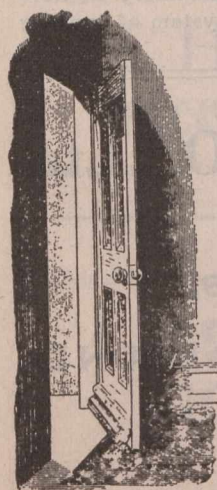
Stock Two sizes, and you can suit ANY WIDTH of Door. Cut in Two Minutes to any length

Also THE CHEAP "CHAMPION"

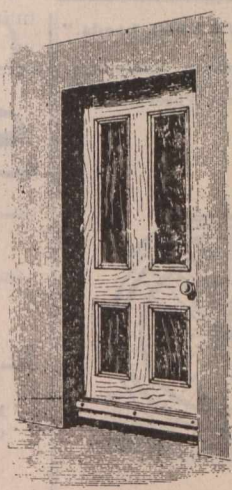
Easy to Fix. Easy to Remove.
Lowest Price. Quickest Sale.

The Cheapest Draught, &c., Preventer Obtainable.

BEST DISCOUNT TO THE TRADE



Door with Preventer, OPEN.



Door with Preventer, SHUT.

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

Telegrams: "FLEMING, HALIFAX," ENGLAND.

ESTABLISHED OVER 100 YEARS.

FLEMING, BIRKBY & GOODALL, Ltd.,

REGISTERED OFFICES:

West Grove Mill,
 HALIFAX, ENGLAND.

BELTING.

STANDARD Oak Tanned Leather Belting.
 ... Superior Hair Belting ...
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 & C.

FLEMING'S "TEON" BELT, UNRIVALLED FOR WORK IN HEAT
 Steam, Damp, Acids and out of Doors.

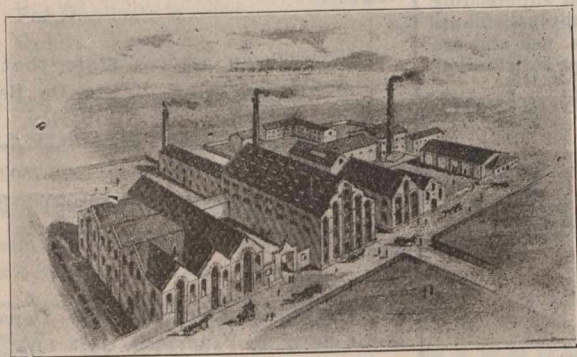
—It is said the French Panama Canal Company will offer to sell out to the United States for \$40,000,000.

—Mr. William Henry Holland, formerly manager of the Dominion Bank, at Oshawa and Whitby, is dead.

—Mr. Chas. H. Genslinger, of the Hotel Cecil, Ottawa, has assigned. It is understood that Mr. Genslinger is heavily involved to Mayor Davidson for rent.

—A Port Arthur, Ont., dispatch of the 29th ult., stated

Preston's Liverpool Distillery Company, Limited. Finest Grain Spirits,



Distillery: - - BANKHALL, SANDHILLS.

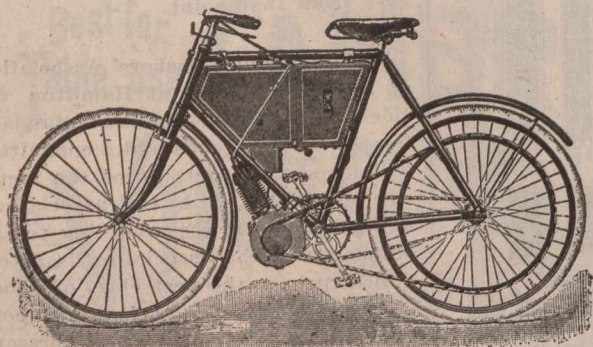
OFFICE:

4 India Buildings, Water Street,
 LIVERPOOL, Eng.,

ESTABLISHED 1887.

Telegrams:—"PNEUMATIC, Leeds."

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



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

"PRIMO" WORKS.

that navigation is still open at that place. Thunder Bay is clear of ice up to the elevators and breakwater. Steamers could have carried out Manitoba wheat all month.

—The new Campbell Collieries, Limited, of Natal, South Africa, are reported to be preparing specifications for an entirely new plant having a capacity for turning out 1,000 tons daily. The estimated cost of the equipment is about \$120,000.

—London advices report that Guest Keen & Company, of Dowlais and Cardiff, who recently purchased the Dowlais Steel Works at a cost of £2,000,000, has just acquired the steel works and collieries of Crawshay Brothers, of Merthyr Tydvil, which are valued at £1,500,000.

—The British consul at Marseilles, in a long report on the competition of American coal with British coal in Mediterranean ports, arrives at the conclusion that American competition will only become dangerous to the British trade, if high prices continue to rule here, and if American shipping interests succeed in securing the passing of the bounty bill.

—It is stated that 1,600 stockers have been shipped to British Columbia from Ontario, in response to the latest order from the Pacific Province. This will leave about 400 still to be despatched to the West. The cattle were purchased from the farmers at an average price of \$17 per head, so that purchase money for the two thousand animals would amount to \$34,000. One order from the Western Canadian Ranching Company alone represented an expenditure of \$20,000. Most of the cattle are intended for the Ashcroft and Kamloops districts of British Columbia.

—Berlin advices state that the German Government has decided to attach agricultural experts to the more important German consulates. The first of these experts will be sent to the United States, where agricultural developments are now being more carefully observed than formerly. This action is understood to be one of the results of the increasing use of American farm machinery in Germany, and the belief that the American system of farming

SLADE & Co., Ltd.

THE ROYAL
 TOFFY WORKS,

LEEDS, - ENGLAND.

Manufacturers of
 the finest

HOME
 MADE
 TOFFY.

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

Established 1838.

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

Telegraphic Address,
"LEES, BARDSLEY, ASHTON-UNDER-LYNE," Eng.

Abel Lees & Sons,

ROLLER AND SHAFTING MAKERS.

Makers of all kinds of FLUTED AND PLAIN BOTTOM AND TOP
ROLLERS for Cotton, Woollen and Silk Machinery.



New Front Lines of Rollers, Steel Hardened, or with Necks and
Squares Hardened, or Ordinary. Spare Top Rollers, Loose



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

Wheatfield Iron Works, BARDSLEY, nr. Ashton-u-Lyne, England.

on a large scale might be adapted to the princely estates of Germany.

—The Kingston, Ont., Water Works Department, under municipal control, realized a revenue of \$30,721 this year. The expenditure, working expenses, debentures, and interest, was \$28,792. The water takers numbered 3,490, and

663,409,581 gallons were pumped. The debenture debt is \$262,850.—The City Council has entered into an agreement with the Light, Heat and Power Company to continue lighting the streets on the present terms pending a settlement of the company's appeal, now in the courts to establish the value of their franchise. The new agreement may run for two or three years, as the company will fight this claim in the higher courts if necessary.

"CASTLE" DYNAMOS

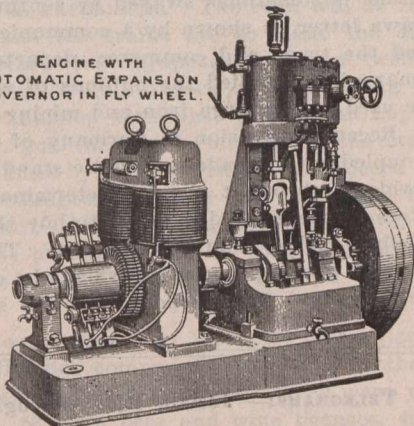
— FOR —

SHIP LIGHTING

**SLOW SPEED.
HIGH EFFICIENCY.**

SLOW SPEED COUPLED DIRECT SYSTEM

ENGINE WITH AUTOMATIC EXPANSION GOVERNOR IN FLY WHEEL



"OPEN FRONTED" ENGINE AND "CASTLE" DYNAMO.

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

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

Established 65 years. Telegrams: "SUBLIME, Liverpool.

DESSICATED COCOANUT.

• • •

JOHN SHORE & SON,
39 Old Hall St.,

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

LIVERPOOL, Eng.

—We learn from Halifax, N.S., that Wm. Smith, secretary of the Post-Office Department, Ottawa, who has been in Newfoundland for some time on the invitation of that Government, remodelling the colony's postal service, has made many changes. Two principal improvements will go into effect at the first of the year. One will be making the money order service up-to-date, and the other will change the system of accounts. Hitherto outside the City of St. John's, a delay of from one to two weeks has been necessary before payment of Canadian and foreign money orders. Under Mr. Smith's new arrangement there will be no more delay in payment of orders than exists in Canada.

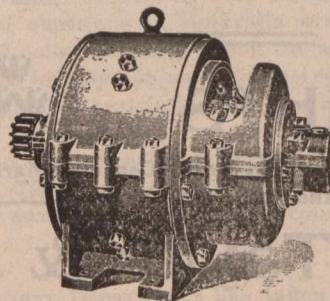
—Messrs. William Hendrie, Senator A. T. Wood, George Roach, F. C. Bruce, and H. B. Wilton, have been incorporated as the Hamilton, Ont., Park and Suburban Club, Limited, with a share capital of \$100,000.—Messrs. W. J. Douglas, Wm. Douglass, Alfred Boulton, M.D., Wm. Boulton and W. M. Boulton have been incorporated as the Can-

ALFRED SYKES,

ELECTRICAL
ENGINEER,

Spring Place Works,

Huddersfield,
ENGLAND.



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

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

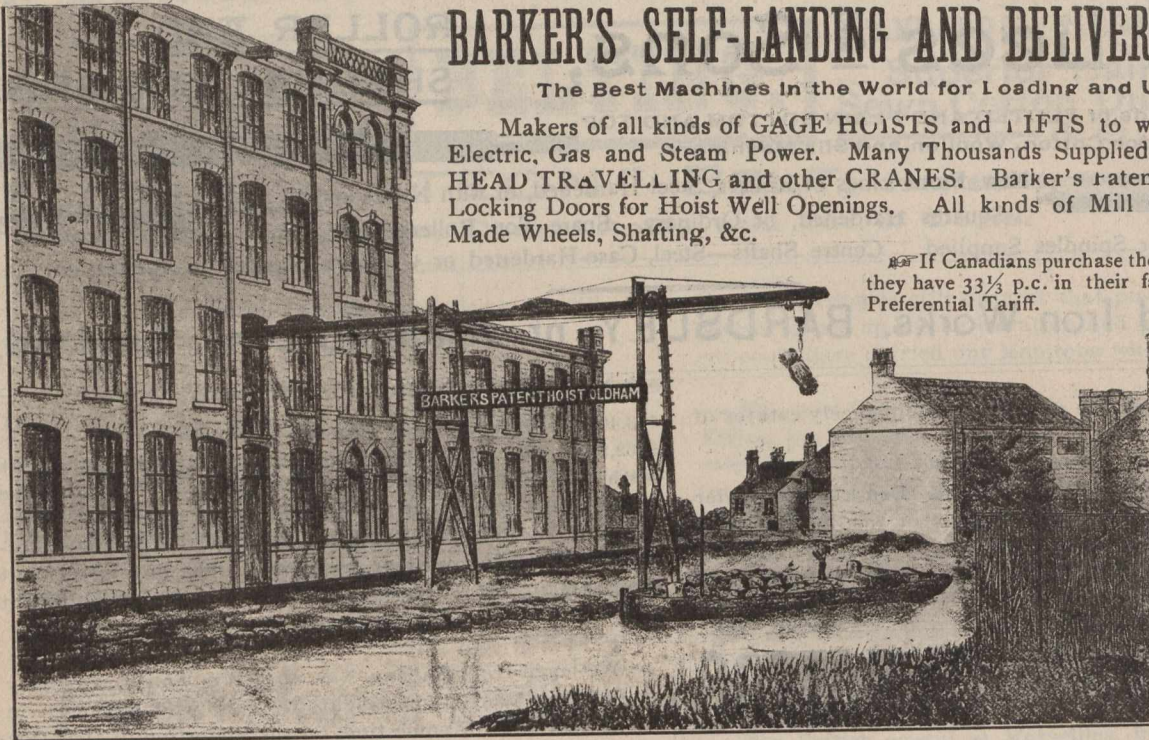
Original Inventors, Patentees and Sole Makers of

BARKER'S SELF-LANDING AND DELIVERING HOISTS

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

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

If Canadians purchase these Cranes in England, they have 33½ p.c. in their favour under the new Preferential Tariff.



Barker's Patent Hoist.

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

OVER 2,000 AT WORK.

adian Produce Company, Limited, with a share capital of \$40,000.—Other companies incorporated are the Durham Natural Gas and Oil Company, Limited; the Severeen Mitt, Glove and Robe Company, of Delhi, Ont., Limited, and the Canadian Steel and Wire Company, Limited, Hamilton. The United States Gold Mining Company, Limited, has been licensed to do business in Ontario.

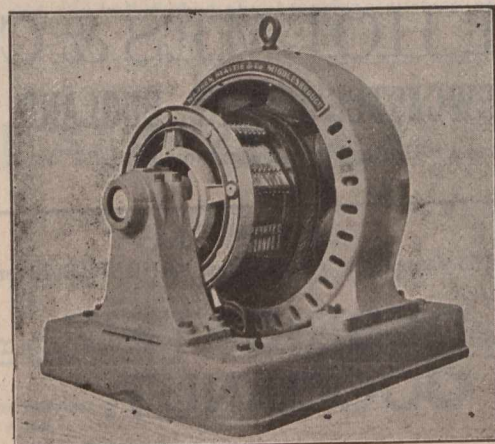
—The accounts of the Intercolonial Railway for the fiscal year up to the end of June 30th, last, show earnings of \$4,972,235, and working expenses of \$5,460,422, leaving a nominal deficit of \$488,187. Both revenue and expenses are larger than for the previous year, the increased cost of coal being held responsible for the deficit. The Intercolonial Railway earnings increased last year by \$420,162. Working expenses increased by about \$1,000,000, as follows: \$585,917 on locomotive power, \$124,034 on car expenditure, \$188,285 on maintenance of ways and works, \$90,324 on station expenses, and \$2,844 on car mileage. The Prince Edward Island Railway showed receipts of \$198,883, and working expenses of \$261,766.

—Frederic C. Moule, of the firm of Moule & Morison, ladies' furnishings, Montreal, to whom we referred in last week's issue as having been served with a demand of assignment, has assigned on demand of the Continental Costume Company, Toronto. Total liabilities are given as \$19,881. The principal creditors are: W. R. Brock & Co., \$641; Paul Belamy & Co. \$303; Boulter & Stewart, Toronto, \$2,007; Continental Costume Co., Toronto, \$517; Dominion Corset Company, Quebec, \$292; Koing & Stuffman, \$4,954;

G. Goulding & Sons, Toronto, \$413; S. J. McKinnon & Co., Toronto, \$5,706; Nisbet & Auld, Toronto, \$1,761; Perrin, Forrest & Co., \$302; Stewart, Allan & Lemaitre, \$749; Star Whitewear Manufacturing Co., Berlin, \$296; Pilkington Bros., \$306; G. P. Leveille, \$200; Thomas Liggett, \$416; and R. R. Gould, \$1,000.

—That trade is sometimes swayed by sentiment, says a recent Ottawa letter, is shown by a communication which has reached the trade and commerce department. For years Germany has supplied the millions of wooden soles extensively used in the large iron and mining districts of England. Recent expression in Germany of hostility to England, coupled with Canada's patriotic stand for the empire, has evidently brought about a determination among the importers of these wooden wares to buy them in Canada, if possible, rather than in Germany. The letter to the Department gives the price at which the clogs would have to be laid down in Liverpool, and two samples are

TELEGRAMS:—"Install," Middlesbrough.



20 KILOWATT DYNAMO.

Warren, Beattie & Co., ELECTRIC POWER ENGINEERS,

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

... MIDDLESBROUGH, England.

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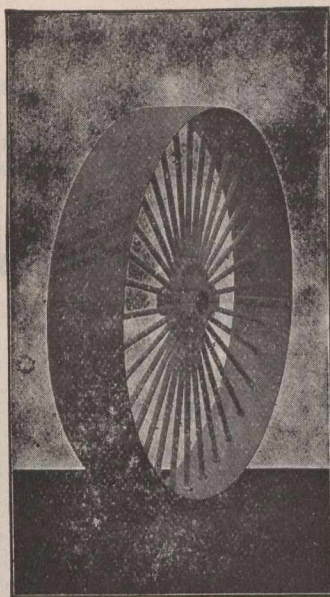


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C. H. Taylor & Son,

CYCLOPS FOUNDRY.

LEEDS, ENGLAND.



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WROUGHT IRON THROUGHOUT:—RIM, ARMS AND BOSS.

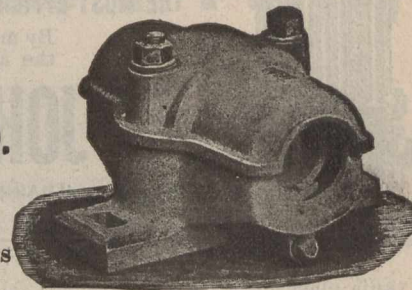
THE ONLY PULLEY MADE WITH A WROUGHT IRON BOSS.

Split or Solid.

All Sizes up to 24 feet Diameter.

140,000 in use.

THE BEST PULLEY IN THE WORLD.

Pamphlets, Drawings and Prices
Forwarded on application.The "NON-DRIP" Shaft Bearing. (ETCHELL'S
PATENT.)

Self Swivelling. Self Lubricating. No Drip Cups Required.

SEND FOR PRICES.

SOLE MAKERS:

HUDSWELL, CLARKE & CO., Ltd.,

RAILWAY FOUNDRY.

(Telegraphic Address:)
"LOCO," Leeds.

LEEDS, ENGLAND.

furnished. These are evidently of birchwood and of such simple shape that they could probably be turned out in large quantities by machinery at a cost that would leave a good margin of profit.

—Faster even than the trains between Philadelphia and Atlantic City, N.J., is that which it is intended to maintain on the proposed electric railroad from London, Eng., to Brighton, powers to construct which will be applied for next session in Parliament. The road will be forty-seven miles long, and the trains are to make the distance in thirty minutes. It is proposed to run a twenty-minute service each way from 8 o'clock in the morning until midnight. The London terminus will be at Lupus street, Westminster, and the trains, on leaving the station, will cross the Thames by an iron bridge and proceed on a trestleway to Bedlington. There the road runs through a tunnel for part of the nine miles to Red Hill. The rest of the way is principally in the open to Brighton. The carriages are to be of the Pullman type.

—In the year ending May last 3,489 liquor licenses were issued in Ontario, compared with 3,490 in the previous year, and 3,499 in 1898-9. Of these 2,582 were yearly tavern licenses, 52 were beer and wine licenses, 46 were ordinary tavern licenses for six months, 303 were shop licenses, and 24 were wholesale. The fines collected in 1900-1901 were \$14,705, and the amount paid to inspectors and commissioners was \$63,762. The total receipts collected on account of licenses and fines, including the sums imposed by municipal by-laws, were as follows: 1898-9, \$589,381; 1899-1900, \$629,841; 1900-1, \$629,238. Of last year's receipts, \$250,482 was paid to municipalities, \$304,676 to the province, \$63,762 for inspectors' salaries and commissioners' expenses, and \$10,317 for sundries. The number of committals for drunkenness this year in the province was 2,522, compared with 2,377 in 1900.

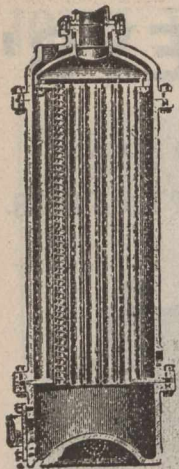
—The revenue in the Yukon Territory last year amounted to \$2,006,756, as against \$1,804,286 for the previous twelve months. The revenue exceeded the expenditure by \$773,574. There was, however, a capital expenditure of \$419,741, which reduced the net surplus in the Yukon to \$353,832. Since 1894 the Yukon has yielded a total revenue of \$6,700,193. From this must be deducted a total expenditure upon consolidated and capital account of \$5,945,216, which still leaves \$754,977 to the good. The Yukon has, therefore, paid for itself and yielded a substantial surplus to the national exchequer. The Yukon revenue last year was made up as follows: Interior, \$1,237,648; post office,

\$20,312; customs, 623,348; marine and fisheries, \$2,682; public works, \$108,272; justice, \$14,493. In 1897-98 the Interior Department receipts were \$735,485, the post office receipts \$2,083, and the customs receipts \$351,309. There are now only 2,474 Government officers subject to the old superannuation act, as against 4,236 in 1892.

—The attempt to bring together all window glass manufacturers in the United States, at Muncie, Indiana, recently says a despatch, failed, and one more meeting will be held at Muncie, January 4. It was expected that all "outsiders" would be here and join hands with the American, Independent and Federated Co-operative Manufacturers' associations, but nine of the thirty-two independent outsiders are still to be dealt with. Seventy-two manufacturers were represented, which leaves but 284 of the 3,859 pots in the country outside of the fold. Those allied with no organization whatever represent 684 pots, and 400 of these took membership with one of the three organizations. There were fifty manufacturers at the meeting, representing Pennsylvania, Ohio, Indiana, and Illinois. It is stated that the chief difficulty in the way of combining is that there are but 2,400 blowers in the country to run the 3,859 pots, one blower being required to the pot. The real contest that prevents absolute harmony is the contest for these skilled workmen.

—Victoria, B.C., advices state that W. H. Montague, ex-Secretary of State of Canada, has arrived by the steamer Aorangi from Australia. Speaking of the federation in the South Seas, he said that the recent tariff will greatly affect trade with Canada and the United States, but a market could be found for machinery, wheat, manufactured fabrics, and other goods from this continent. The people of Australia are much stirred up over the new tariff. The great political questions in Australia are at present the high tariff and colored labor. Upon the settlement of the latter depended largely the sugar industry of Queensland. The passage of Acts restricting Kanaka immigration will greatly affect sugar plantations. Australians have greatly advanced in labor legislation, having a minimum wage and pensions for workmen over sixty-five years. The federation is anxiously awaiting the construction of the Pacific cable.

—The U.S. Navy Department has taken the initial step toward the adoption of wireless telegraphy as a means of signalling between warships at sea. To this end Admiral Bradford of the Bureau of Equipment, says a recent despatch, has asked that the armored cruisers of the Pennsyl-



The "Airedale" Exhaust Steam

Special prices to Canadians under the New Tariff.

Green's Patent.

Pressure Feed Water Heater.

WITH SPIRAL DEFLECTORS.

THE MOST EFFICIENT HEATER ON THE MARKET.

WILL PAY FOR ITSELF IN TWELVE MONTHS.

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

JOHN BARRETT, Eastburn Foundry Crosshills,

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

KEIGHLEY, England.

vania class have their masts and rigging so arranged that the wireless system can be introduced. This will necessitate the lengthening of the masts of the ships and the insulation of the metal rigging by the use of hoop covering for the halyards. It is intended to get sets of instruments of the various wireless systems now being operated. These include the Marconi system. Thus far, however, the Navy Department has not adopted definitely any system, but the alteration of these ships is regarded as a preliminary to the adoption of a system whenever its practicability is established fully. The British navy has already a number of its ships equipped with the wireless system, but this is the first move on the part of the American navy to make use of a wireless plan.

—A regular steamship line between New York and Manila will, we are informed, be established by the Philippine Transportation & Construction Company. The vessels will sail once a month, beginning on January 10 next, via the Suez Canal. The first steamship will carry to Manila the first instalment of steam lighters, which the company has built at an average cost of \$28,000. In all, nineteen lighters will be transported to Philippine waters. Lighterage charges at Manila are now about \$4.50 (Mexican) per 100 pounds, the only available boats being the native casco, which is of thirty tons burden and an unstable vessel. With the new lighters, the company promises to reduce the charges to 17 cents (Mexican) per 100 pounds. They have already expended \$500,000 in preparing to do business, including general harbor lighterage and inter-land business. The lighters are steam, self-propelling steel barges. The capacity of each is 400 tons. Nineteen of them are completed and are now awaiting shipment at the Morgan Iron Works. With these barges will go a complete machine shop to be set up in Manila.

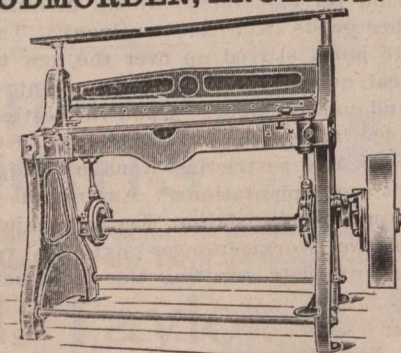
—In the proposed new German customs tariff the dis-

tinction between coarse and fine shoes as drawn at present will not be applied, according to Consul-General Hughes at Coburg, Germany. Mr. Hughes says that experience has taught the German officials that the arrangement does not guarantee a sure classification of goods and that fine shoes occasionally would be entered at the low and cheap ones at the high rates of duty. The Consul-General, we are informed by a Washington, U.S., letter, says that the importation of leather shoes into Germany increases year by year, and if foreign competition does not yet mean danger for the home trade, the Germans think that in the absence of sufficient protection, it is by no means impossible that their market may be flooded with foreign shoes. In fact, he says, they note that a start in that direction already has been made, especially from the United States. Besides the growth of foreign competition, Mr. Hughes continues, the intended increase of import duty on most kinds of foreign top leather for shoes, calls for the advance of the rates on shoes, according to German ideas.

—In dread of the ancient reproach that London is the worst lighted metropolis in the world, says a recent cable, the city corporation has decided to carry out a scheme of illumination strictly modern. The narrow side streets of the business quarter, hitherto enveloped in the darkness of night on foggy days, will be fitted with many-jetted lines of incandescent gas, within a triangle roughly indicated by St. Paul's Finsbury Circus and the Tower. Lights will likewise run along the river, dispelling the gloom of that region. Ludgate Circus, the western entrance to the city, will be made a place of dazzling brilliance by circular rows of 1,000-candle-power, high-pressure gas lamps. These will compete with the electric lights already there. In order that comparisons may be obtained, the two kinds of light will be kept burning in all weathers. Each of the gas lamps costs £23 (\$111) a year. The makers say that they will change Ludgate Circus from its present condition of semi-darkness to one of the best lighted spots in Europe. They also assert that the lamps

A. Kinghorn & Co.,

Phoenix Ironworks, Millwood, TODMORDEN, ENGLAND.



Single Action Power Squaring Shears.

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

C. & A. MUSKER, Ltd.,

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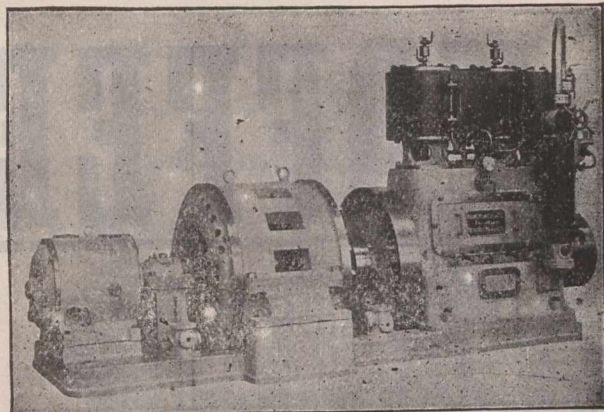
Cranes, Dock Machinery, Presses, Coal Tips, Lifts, Capstans, Pumps, Steam Motor Wagons.

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

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TRAFALGAR WORKS.

Bradford,
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will go a long way to dispel the gloom of London's worst fogs, far surpassing electricity in this respect.

—At the annual meeting of the Commercial Travellers' Association of Canada, held at Toronto recently, the following officers were elected: By acclamation, President, M. C. Ellis; first vice-president, William Caldwell, second vice-president, John McQuillan; treasurer, Jas. C. Black; secretary, James Sargeant. Toronto Board—Arthur F. Hatch, John Gibson, Louis A. Howard, L. Duncan, H. Goodman, George West, Robert Keyes, M. Lamont, A. A. Alexander. Hamilton Board—First vice-president, James Hooper; second vice-president, Frederick Smye; directors, H. G. Wright, H. J. Hickey, J. H. Herring, W. G. Reid, George McGregor. Kingston Board—Directors, W. H. Graham, W. S. R. Marsh. The statement showed that the total number of travellers within the association is 5,486 being an increase of 340 over last year's. Although over \$36,000 was paid in mortuary benefits during the year, a balance of \$24,038 was put aside for the permanent reserve fund. The fund amounts to \$352,323. The maximum mortuary benefit for 1902 was fixed at \$1,000. Dealing with the matter of the improvement in country hotel accommodation, the directors advised the members to report any objectionable features to the license department. President M. C. Ellis delivered a carefully prepared and able address.

—According to official figures the surplus of Dominion Government ordinary receipts over ordinary expenditures for the fiscal year ended June 30th last amounted to \$5,648,333. The receipts were \$52,514,701, and the expenditure totalled \$46,866,367. The expenditure chargeable to capital amounted to \$7,695,488 as against \$7,468,843, for the previous fiscal year. Adding \$2,512,328 for railway subsidies and \$908,681 for the South African contingents and Halifax garrison to the capital expenditure, gives a total of \$11,116,498. Deducting the surplus of \$5,648,333, sinking funds to the amounts of \$2,480,336 and \$1,631 of refunds, it leaves \$2,986,196 to be added to the net debt of the Dominion, which on June 30th stood at \$268,480,003. The details of capital expenditure were as follows: Railways—Intercolonial Railway, \$3,633,836; Prince Edward Island, \$280,173. Canals—Lachine, \$97,305; St. Lawrence River, Cornwall, \$62,032; Farran's Point, \$111,156; Galops, \$481,324; Lake St. Francis, \$15,000; Lake St. Louis, channel, \$12,918; North Channel, \$184,790; Rapide Plat, \$76,501; River Reaches, \$19,389; Soulanges, \$462,626; Sault Ste. Marie, \$323,353; Trent, \$284,503; Welland, \$224,536. Public works—Government buildings, Ottawa, \$40,481; Levis, graving dock, \$75,140; Montreal harbor improvements, \$49,296; St. Lawrence ship channel, \$432,557; Port Colborne, harbor, \$1,271; River Kaministiquia, \$7,398; St. Andrew's Rapids,

Man, \$15,412; Yukon territory, \$385,414; Dominion lands, \$269,060; militia, \$135,884. The \$2,512,328 of railway subsidies includes the following payments: Canadian Northern Railway, \$537,600; Grand Trunk Railway, \$228,371.75; Central Ontario Railway, \$67,200; Midland Railway, \$170,264; Canadian Pacific Railway, \$92,800; Ottawa & New York Railway, \$90,000; Quebec bridge, \$54,745; Crow's Nest Pass Railway, \$205,524.

—A London despatch gives the shipbuilding statistics of Great Britain for 1901, which show that 1,233 vessels were launched in the United Kingdom, representing 1,797,675 tons and 1,476,818 horsepower, compared with 1,248 vessels, 1,660,700 tons, and 1,237,626 indicated horsepower in the year 1900. These launchings included 870 ships representing 857,690 tons for foreign and colonial owners. The output of the Clyde shipyards for the past year was the largest on record. For the first time it totalled over half a million of tonnage. The total launchings in the United Kingdom for home, foreign and colonial service in 1901 shows an excess of 151 vessels and 260,922 tons over the figures for the previous year. Investigating the story that Americans are buying up the Clyde shipyards, a correspondent states that while there is no need for apprehension, yet the matter is more serious than many in the trade supposed. An American lawyer who has been distinguished in the formation of trusts and who was the chief operator in the deals leading to the establishment of the American Cotton Syndicate, visited the Dennys, Russells, and others to discuss the matter. It is believed that one of the builders he approached estimated the lowest figure for the purchase of the yards which would receive consideration at £30,000,000. This sum exceeded the expectation of the agent and he left. He stated his intention of returning later on.

—At the close of the fiscal year the balance at the credit of the depositors in the Postoffice and Government savings banks, of Canada, amounted to \$56,048,957.06, an increase of \$2,899,234.66 over the balance held on June 30, 1900; part of this increase, \$1,589,761.05, represents interest added to the various accounts, and the remainder, \$1,309,473.61, the excess of receipts over withdrawals. Dominion notes to the amount of \$27,671,452.05 were outstanding on June 30, 1901, as against \$26,094,923.52 on June 30, of the previous year, or an increase of \$1,576,528.53. The increasing volume of the business of the Dominion, the Deputy Minister of Finance says, is doubtless the principal cause of this expansion of the circulation, but a part of it is apparently attributable to the fact that the chartered banks are approaching the limit of the circulation allowed by the terms of the Bank Act, and are using Dominion issues

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The Toffee par excellence.

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WILLIAMS & Co.,

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

96 Wood Street,
LIVERPOOL, Eng.

where ordinarily their own notes would be employed. During the past seven years there has been a very pronounced advance in the amount of notes of the chartered banks in circulation, as shown by the bank returns. On October 31, 1894, it was \$34,516,657, and at the close of the same month of the current year, \$57,954,779, or an increase in that period equal to 67 per cent. As the combined paid-up capital of the banks, according to the October returns, is \$67,574,410, it will be seen how closely the circulation is approximating the limit. The margin between paid-up capital and circulation, it may be added, is confined to comparatively few of the banks. The demand for \$1 and \$2 Dominion notes still continues. In October, 1894, their circulation amounted to \$7,048,953, as against \$10,461,770 for October, 1901. Investments on account of the sinking funds of the various loans were made during the year to the amount of \$2,480,236, making the total amount held on this account on June 30, \$48,304,619.

—Fire Insurance Decisions.—The insured may recover upon a policy containing that stipulation for the loss of chattels destroyed at a location to which they were removed with the insurer's consent, notwithstanding their previous removal to another location without such consent. *Ohio Farmers' Ins. Co. vs. Burget*, 61 N.E. Rep. (Ohio) 712. —The stipulation in a policy of fire insurance that "this policy shall become void, unless consent in writing is indorsed by the company hereon if any change takes place in the location of the property," may become the subject of construction because of the variety of senses in which the word "void" is used. The terms of such stipulation should be construed with reference to its purpose, and, thus construed, it does not exempt the insurer from liability because of a change in the location of insured chattels without its consent, if the hazards of such location are not operative at the time of the loss. *Ohio Farmers' Ins. Co. vs. Burget* 61 N. E. Rep. (Ohio) 712.—A lighted match is not a fire within the meaning of an insurance

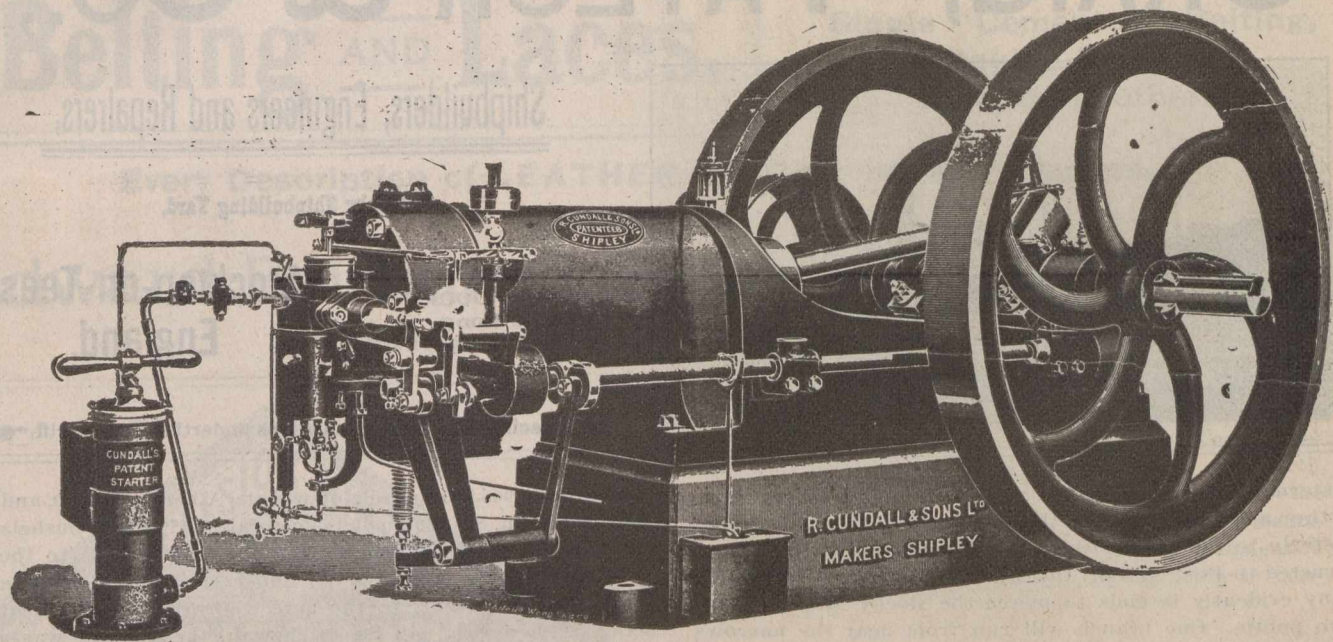
policy excluding liability for damages caused by explosion, so as to cover damages from an explosion caused by the match. *Milton C. Mitchell vs. Potomac Insurance Company of Georgetown, D.C.*, 22 Sup. Ct. Rep. (U.S.) 22.—An explosion caused by gasoline kept in a retail stove and tin store is not covered by a policy insuring the stock of goods by a written clause including the grant of a privilege to keep a limited quantity of gasoline, where the printed clauses of the policy exclude liability for explosions of any kind unless fire ensues, and then cover loss or damage by fire only. *Milton C. Mitchell vs. Potomac Insurance Company of Georgetown, D.C.*, 22 Sup. Ct. Rep. (U.S.) 22.—Where an insurance agent has the right to waive notice of cancellation and to select the company in which the renewal is to be made, and renews the same subject only to rejection by the insured, the renewal policy constitutes a valid contract of insurance until the same is so rejected. *Hamm Realty Co. vs. New Hampshire Fire Ins. Co.*, 87 N.W. Rep. (Minn.) 933.

—Not content with the acquisition of German cigarette factories, says a Berlin dispatch, the American tobacco trust has now succeeded in cornering the Turkish tobacco crop, on which the German cigarette trade is dependent for 75 per cent. of its raw material. Dresden, the seat of the domestic cigarette industry, is appalled at this latest revelation of American octopus methods. Leading cigarette manufacturers admit that Mr. Duke and his associates have entered on a campaign that will eventually make the German cigarette trade and German smokers "slaves of American millionaires." They add that defensive combinations, such as the English tobacco factories have formed, would be powerless here, and that nothing short of Government interference will defeat the Americans' programme. Robert E. Boehme, proprietor of the Klos cigarette works in Dresden, says: "During the summer and autumn agents of the American tobacco trust were busy monopolizing the visible supply of cigarette tobacco

Telegrams: "CUNDALL, Shipley."
National Telephone, No. 75, Shipley.

Contractors to H. M. Government.

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Simplest Engines Running.



Economical, Reliable, Easily Managed and Safe.

Extracts from Letters Received.

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

"I have every pleasure in stating that the 4 b. h. p. Oil Engine you supplied me with for Electric-lighting purposes and for Pumping is giving satisfaction. It is doing its work most efficiently."

"You will be glad to know that the 8-Brake Oil Engine which I got some time ago is giving me entire satisfaction. It is running very steadily—so much so that I am able to supply my Electric Light direct, without the slightest waver in the light. It is very easily started. I should say your Engines are as near perfection as possible."

R. Cundall & Sons,
LIMITED.

SHIPLEY, YORKS
ENGLAND.

in Dresden. After this had been done they went to Constantinople and entered into an agreement with the leading Turkish tobacco planters for the control of all unsold and undelivered tobacco in the country. When the German manufacturers came they found they could obtain only such small quantities as had been contracted for and paid for in advance. For anything beyond this the Turks asked 30 and 40 per cent. higher prices. In many cases the Americans went to the planters and asked how much this one and that one owed the German factories. If they said 100 Turkish pounds (\$432) the Americans handed over 150 Turkish pounds (\$648) to enable them to settle and withhold deliveries. The long and the short of the matter is that we find ourselves cut off from an indispensable source of supply. When the Americans start out to control the output of cigarette machinery, as they have done in Japan, we will be confronted with a choice of surrender or annihilation."

—Notice is given of an application to incorporate the Nipigon Railway Company—already incorporated by the Ontario Legislature—with power to construct a line from the proposed point of junction of its branch with the Albany River; thence through the district of Keewatin to Old Fort Severn, on the Hudson Bay. Permission is also sought to extend from a point on the Severn River to the mouth of the Nelson River.—Incorporation is to be sought for the Nipissing & Ottawa Railway Company, which proposes to construct a railway from Southeast Bay at the east end of Lake Nipissing, northeasterly through the Township of Ferris to Trout Lake; thence across the lake through the Townships of Phelps and French to a point on the Ottawa River at or near the Opemicon River.—The Ontario, Hudson Bay & Western Railway Company wants an extension for three years in the time fixed for the commencement and completion of its undertakings. The James Bay Railway Company also desires an extension of time, and, in addition, power to build a line from a point on its main line to Batchawana Bay, Lake Superior. The

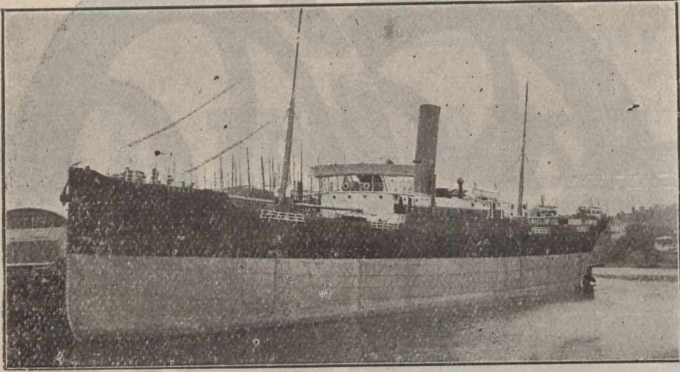
Vancouver, Victoria & Eastern Railway asks further time to complete its undertakings.—Parliament will be asked to ratify the agreement under which the Ottawa, Northern & Western Railway Company has acquired the Pontiac and Pacific Junction Railway, the Hull Electric Railway and the Inter-Provincial bridge between Ottawa and Hull.—A company, consisting of Hon. Robert Mackay, and Messrs. C. S. Siçe, Robert Archer, Hugh Patton and Charles Cassils of Montreal, seeks incorporation for the transmission by pneumatic tubes of parcels and packages. The concern will be known as the Dominion Subway Company, and will have a capital of \$100,000.—Incorporation is sought for a Penny Savings Bank, to carry on the work now being performed by the St. Andrew's Church Institute Penny Savings Association, and the Victor Five-cent Savings Association, Toronto, in connection with penny savings banks.—The Dymont Banking, Loan & Savings Company of Barrie will apply to Parliament for incorporation.—Mr. F. A. Knapp of Prescott, the inventor of the Knapp tubular steamship, has succeeded in forming a company for the construction of vessels of the pattern designed by himself. Those associated with the inventor are: Dr. Frank Buller, Mr. R. F. Fountaine, consulting engineer; Mr. Walter Dullien, merchant and importer, and Mr. Matthew Hutchinson, all of Montreal. The capital stock is placed at \$3,000,000.—The Russell Mineral Water Company of Ottawa is to be incorporated with a capital of \$12,000.

—From a notice which appears in the Canada Gazette the Canadian Northern Railway Company has mapped out the routes for the eastern and western extensions of its proposed transcontinental railway. Already, says an Ottawa letter, independent communication is afforded between Winnipeg and Port Arthur by means of the two lines known formerly as the Manitoba & Southeastern and Ontario & Rainy River Railways respectively. The last spike in this section of the proposed transcontinental railway has practically been driven, and the event celebrated by a banquet in Port Arthur. The company now proposes to reach the

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Oil & Passenger Ships,
Twin Screws, &c.

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Shipbuilders, Engineers and Repairers,

Thornaby Shipbuilding Yard,

GRAVING DOCK
570 Ft. Long.

Stockton-on-Tees,
England.

Special estimates to Canadians under the New Tariff.

eastern seaboard by starting from a point between Port Arthur and Fort Frances, thence northeasterly and southeasterly to the City of Quebec. Branch lines will be constructed to Port Arthur, Ottawa and Montreal. The company evidently intends to pierce the Rocky Mountains at two points. One branch will run from near the narrows of Lake Manitoba to Edmonton and the Yellowhead Pass. The other branch will be built from Swan River through the Pine River Pass to the Pacific Coast, at or near Skeena river. From a point east of Edmonton in Alberta or Saskatchewan a branch will be built to the Red Deer River, a second spur will run from near Hanging Hide River (Saskatchewan) to the mouth of the Carrott River near Pasmission. Connection with the international boundary will be had by a line running south from McCreary's station, Manitoba. The two lines to the Rocky Mountains, as well as the feeders thrown out from them, will open up to settlement land of the most fertile character in the territories and will tend to promote the immigration movement which is now in full swing in the west.

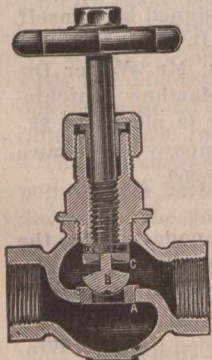
—Western Canada's grain product for 1901 was over 109,000,000. The Manitoba Government's bulletin gave the output for that province at 85,179,858 bushels. Returns received at the Canadian Pacific Railway offices from the office of the Commissioner of Agriculture, Regina, show that there were 23,969,833 bushels of wheat, oats and barley grown in the Territories, and with the peas, flax and rye, the figures would be over the 24,000,000 mark. Assini-

boia raised 9,966,000 bushels of wheat; Alberta, 980,000, and Saskatchewan, 829,700 bushels—a total of 11,776,300 bushels. The average yield in Assiniboia was 25 1-5 bushels to the acre, there being 395,280 acres under crop; in Alberta, a little over 25 bushels to the acre, the area under wheat being 39,100 acres. In Saskatchewan, the average was a shade over 22 bushels, the area under wheat being 37,000 acres. In oats, the total yield was 11,450,500 bushels—Assiniboia's product being 4,338,000 bushels grown on 103,000 acres—an average of 42 1-10 bushels to the acre; Alberta's 6,533,000 bushels to the acre, and Saskatchewan, 579,500 off 14,150 acres, an average of nearly 41 bushels to the acre. The barley yield was: Assiniboia, 201,000 bushels off 5,900 acres, an average of over 34 bushels to the acre; Alberta, 450,000 bushels, off 11,300 acres, an average of nearly 40 bushels; Saskatchewan, 91,630 bushels, off 2,850 acres, an average of 32 1-5 bushels.—The development of Western Canada during the last decade has been marked. The total yield in 1891 was about 46,000,000 bushels of grain. An increase of 63,000,000 bushels in ten years, is a creditable showing.

—The Deputy Minister of the Interior, accompanied by the Inspector of Immigration Agencies in the United States, have, says an Ottawa dispatch, left for England, to investigate matters connected with the immigration service. It has been decided to place the immigration offices in Europe under the control of Mr. W. T. R. Preston, subject to the direction of the High Commissioner, but further changes are contemplated. The immigration work in London is conducted at the High Commissioner's office, on Victoria street, Westminster, but it has been thought for

The "SHAW" ..Patent Improved Valve..

FOR STEAM OR WATER



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

The "SHAW" Patent Universal Union Joint

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

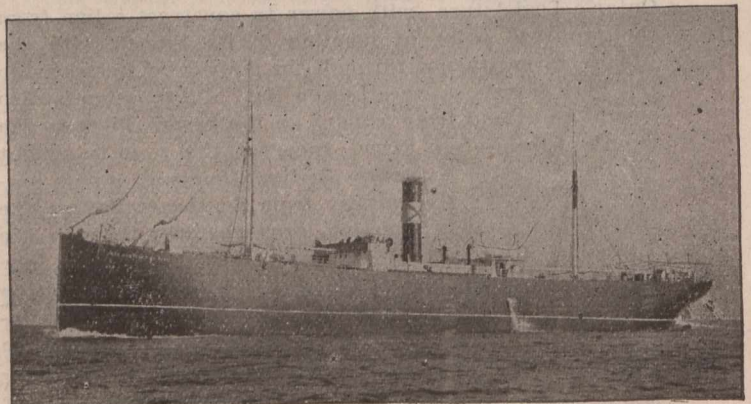
JOSEPH SHAW, ALBERT WORKS.
HUDDERSFIELD, ENGLAND.

Telegrams: "GOVERNOR," Huddersfield,

Supplied under the New Canadian Preferential Tariff.

TYNE IRON SHIPBUILDING COMPANY, LIMITED

Steel and Iron Shipbuilders and Repairers.



Willington-Quay-on-Tyne,

ENGLAND.

Fulled Raw Hide Belting AND Laces.

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

Edward Fairburn & Sons,

**Caldervale Mills,
BRIGHOUSE, Eng.**

Special Terms to Canadians under the New Canadian Tariff.



Agents wanted throughout Canada.

SPECIAL TERMS UNDER NEW TARIFF.

some time that this office is a little out of the way and that a location on a more prominent street ought to be found. It is intended to indulge in advertising on a more popular and systematic plan than hitherto. To this is largely attributed the great tide of immigration from the western States to western Canada now in progress. The Immigration Department desires to pursue the same policy in Britain, and it is hoped equally successful results will follow. It is gathered from the speeches of the Prince of Wales since he returned that he is impressed with the necessity of aiding British settlers to settle the unoccupied lands of Canada and the other British dominions, and if the British Government acts upon the suggestion of the

heir-apparent the work of the Canadian Immigration branch will be greatly facilitated. Last year Canada received 12,000 settlers from Britain, or only about one-fourth of the number which went from the British Isles to the United States. A strong endeavor will be made by means of active agents and the adoption of a vigorous propaganda to attract a large volume of British immigration to Canada.

—The recent decline of \$180 per share in the securities of the Standard Oil Company, says a Pittsburg dispatch, is explained by the fact that the Eastern oil trade is in a very unsatisfactory condition. The Standard Oil Company has made three cuts of five cents each in rapid succession in the price of Pennsylvania crude, the standard for high grade oils. It is denied that the Copper slump was responsible to any considerable extent for the fall in the price of Standard Oil certificates. Production of Pennsylvania oil this month, as shown by the pipe-line runs, has declined over 20,000 barrels per diem. The gathering charge is 20 cents per barrel, from which may be figured out a loss of \$4,000 a day from the investments in the various pipe-line companies. The trust line's pipeage charge is 52 cents, and if the ratio in these systems be the same—and it is nearly so—then the decline in pipe-line runs is over \$14,000 loss daily from gathering and transportation alone. This, together with the profit on refining and marketing, will foot up a decline of nearly \$750,000 a month in the high-grade fields producing Pennsylvania oil alone. But all other fields, with the exception of that at Lima, O., have also shown declines—not so large as in Pennsylvania, but enough to cause considerable loss. It is not expected that the average for the current month will show up much, if any, over an average daily production of 80,000 barrels.

—From Hamilton we learn that a writ has been issued

— Established * 1825. *

A. G. THOMSON & CO., Limited,
Highland Whisky Distillers,

Blenders and Bottlers to Wholesale Trade only.

PROPRIETORS OF

GLENCADAM DISTILLERY, Brechin, Forfarshire,

where the Best Scotch Barley only is used.

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

Buyers' own Brands or Labels alone used when desired.

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

AGENTS WANTED IN MONTREAL AND TORONTO.



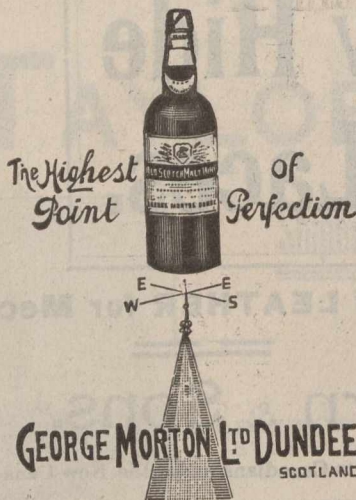
Established 1851.
KIRKER & CO.,
 LIMITED.
 Belfast, Ireland.
 Manufacture
 Ginger Ale,
 Lemon
 Squash,

Sole Agents for Canada
A. CHARLEBOIS & CO.,
 MONTREAL.

Cable Address:
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Telegraphic Address: "SPIRITS, DUNDEE."



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

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

WINDSOR,

Essex Co., Ont., Canada.

The Board of Trade is prepared to entertain proposals for the location of Industries in the city. Population of city and suburbs about 18,000. No better rail and water transportation facilities in Canada. Address with particulars:

F. H. MACPHERSON,
 Secretary B. of T

THE IMPROVED
Lancashire Steel Potato Peeler.
 (Also for Apples, Carrots,
 Turnips, Cucumbers, &c)



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

SOLE MAKER:

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

on behalf of Assignee C. S. Scott against Mrs. Sarah Calder, widow of the late Mr. John Calder, her daughter, Miss Ethel Calder, the Canada Life Assurance Company, and the Huron & Erie Loan & Savings Company. The action is to restrain the Canada Life Assurance Company from paying to any of the defendants, Mrs. Calder, Miss Calder or the

Huron & Erie Loan & Savings Company, the amount of an insurance policy issued by the Canada Life for \$10,000 on the life of the late Mr. John Calder, and to restrain the three defendants from receiving the money in question; and for a declaration that when the premiums thereon were paid by the late Mr. Calder he was in insolvent circumstances, and that the policy was effected and premiums paid with intent to defraud the creditors of Mr. Calder, and that all moneys so paid formed part of his estate available for his creditors. The writ also asks for an account of the amount of the premiums in question, and for an order directing the Canada Life Assurance Company to pay the amount of the policy to the plaintiff subject only to the right, if any, of the Huron & Erie Loan & Savings Company to claim the moneys as collateral security to a certain mortgage made to it by Mrs. Calder and Miss Calder, dated Nov. 6, 1901.

JAMES NORTH & SONS,

Chamois and Gloves

...AND...

Athletic Goods Manufacturers.

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

CASH BAGS,

DRESSERS AND MANUFACTURERS.

Godley Mills,
 and Tower Street Works,

HYDE, Manchester, Eng.

—An interesting exhibition which, it is said, will be the first of its kind, will be held at Lille, France, from May to September, 1902. Its buildings and gardens will cover an area of 150,000 meters. A gallery of 3,000 meters will be reserved for machinery. The exhibits are intended to include the following classes: Education, works of art, liberal arts, general machinery, electricity, civil engineering, means of transport, cycles, motors, cars, sports, agriculture, horticulture, forestry, hunting, and shooting, fishing, alimentary products, mines and metallurgy, furnishings, decorations and accessories, yarns, tissues, clothing, various industries, chemical industry, social economy, hygienics, colonization, materials and products for exportation, special application of sterilized alcohol to motive power,

REGISTERED BRAND



"WAVERLEY."

Special Prices to Canadians
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Waverley Iron & Steel Co.,

COATBRIDGE, SCOTLAND, Manufacturers of

HIGHEST CLASS SCOTCH IRON & FINEST INGOT STEEL.

IN BARS, ANGLES, TEES AND HOOPS.

Iron and Steel tested with "Buckton's" latest machine, and certified accordingly, if required, before leaving the Works.

Special attention given to the quality for Horse-Shoeing, Rivet, and all other purposes.

Shipping Ports:—GLASGOW, GREENOCK, LEITH, GRANGEMOUTH.

TASKER, SONS & CO.

Manufacturers of Main Driving Bands

In Leather India-Rubber, Hair and Cotton.

Government Contractors.



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SHEFFIELD,

32 ANGEL STREET,

England

Leather Merchants and Mill Strap Manufacturers.

heating and lighting. Experiments in this direction are said to be of the highest interest for the commerce and manufactures of the Lille district, which is one of the principal manufacturing centres in France. Applications for space and requests for further particulars should be addressed to the offices of the Administration of the Exhibition, 35 Rue Nationale, Lille, France.

—A permanent organization of the Ontario Sugar Company, Limited, was effected at a recent meeting of the shareholders in Toronto. The following were elected directors: Messrs. Hugh Blain, S. H. Janes, Michael McLaughlin, John Flett, W. J. Gage, and Robert Jaffray, Toronto; William Hendrie, Hamilton; C. K. Hagedorn, and S. J. Williams, Berlin. At a subsequent meeting of the directors, Mr. Hugh Blain was elected President; Mr. S. H.

ESTABLISHED 1869.

Bottled Beer and Stout

FOREXPORT.



The "Compass" Brand

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

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

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

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

The J. C. McLaren Belting Co.

FACTORY: —

MONTREAL. TORONTO. VANCOUVER.

Manganese

LUMP, FINE and GROUND.

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40 Chapel Street, Liverpool, England.

Cable Address :—WENDT, BELFAST.

A. B. C. CODE.

Vint's Irish Preserves.

The Best Old Country Jams to be had.

Made from Irish Grown Fruit.

WARRANTED PURE.

No finer Jams in the world much cheaper than some...

WM. VINT & SONS,

BELFAST, IRELAND.

SPECIAL TERMS TO CANADIANS UNDER THE NEW TARIFF. As Supplied to His Majesty's Government

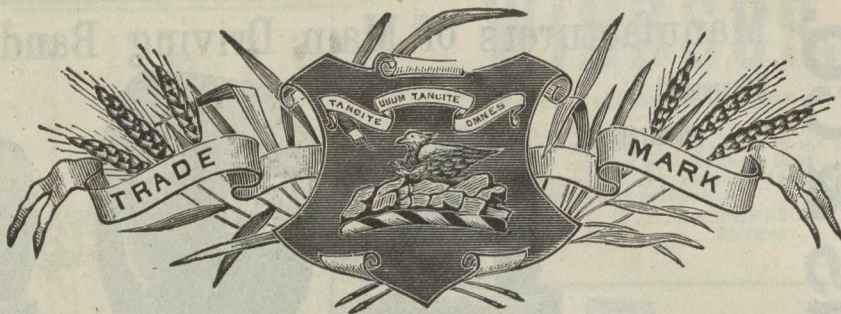


"Drink the
FAMOUS UNIVERSITY
GINGER ALE
AND
CREAM SODA"

Special Quotation
under New Tariff.

**JOHN HOLMES
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Export Bottlers and
Cordial Makers,
UNIVERSITY AVENUE
Belfast,
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Telegrams:
"RESTORATIVE, BELFAST."



SPECIAL PRICES TO CANADIANS UNDER NEW TARIFF.

"ROSEBANK"
—PURE—
SILENT MALT WHISKY,
(Distilled exclusively from the Highest Quality of Scotch Malt.)
**ROSEBANK DISTILLERY, LD., FALKIRK,
SCOTLAND.**

Janes, Vice-President; and Mr. S. J. Williams, Managing Director. Mr. N. B. Gash was appointed solicitor. It was decided on recommendation of the Site Committee to build the company's first plant at Berlin, to have a capacity of 600 tons a day. Berlin has given a bonus of \$25,000, and 5,000 acres of sugar beets have been contracted for by the farmers of the neighborhood next summer. It is intended to have the plant completed in time for the fall "campaign," as the season's work in the factory is called, which begins about October 1 and lasts 120 days. It is calculated that 72,000 tons of beets will be used, making 15,000,000 pounds of sugar, which will mean a turnover for that locality of probably a little over a half a million of dollars.

—The ceremony accompanying the practical completion of the Canadian Northern Railway, from Port Arthur to Winnipeg, says a Port Arthur dispatch, was quietly celebrated on the 30th ult., at the Station of Atikokan, when Hon. E. J. Davis, commissioner of Crown lands for Ontario, drove a silver spike into a tie in the presence of fifty prominent public men of Western Ontario and Manitoba. Among those present were Messrs. Wm. Mackenzie, D. D. Mann, D. B. Hannah, general superintendent; Hugh Sutherland, executive agent; T. A. Burrows, land commissioner; Geo. H. Shaw, traffic manager; Lewis Lukes, accountant; D. Risteen, train manager; and Alex. Mackenzie, of the Canadian Northern, and Colin Campbell, attorney-general of Manitoba; W. Georgeson, president of the Board of Trade; J. C. Aird, manager of the Bank of Montreal; Hon. E. J. Davis, commissioner of Crown lands for Ontario; B. E. Walker, general manager of the Bank of Commerce; Z. A. Lash, K.C.; J. J. Long, Collingwood; J. J. H. McLean, I. L. Matthews, mayor of Port Arthur; W. F. Hogarth, mayor of Fort William; T. Horn, Geo. Marks, and D. F. Burk.

—An order has been passed by the Ontario Government incorporating the Algoma Tube Works, Limited, with an

authorized capital of \$30,000,000. This will be the largest of the many industrial enterprises at Sault Ste. Marie, and when the plant is completed it will give employment to several thousand men, and form probably the largest industrial establishment in Canada. Among the provisional directors of the new concern are Messrs. E. V. Douglas, W. P. Douglas, F. S. Lewis, and John S. Freeman of Philadelphia and Mr. H. C. Hamilton of Sault Ste. Marie. It is stated work will begun on the plant of the Tube Works during next summer. The plant will be used for the manufacture of metallic tubes on the Perrin patent, the right for which for the United States and Canada has been acquired. Tubes on this patent were now being made in Great Britain. It was intended to utilize to a very large the material which will have passed through several of the

CONTRACTORS TO H. M. GOVERNMENT.

HARRAP Bros.

Sole Makers of the Celebrated

CABLE

SIRDAR

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

Bective Mills, Alverthorpe, Wakefield, England.

Special terms to Canadians under the new tariff.

ADMIRALTY CONTRACTORS.

Tel. Address: "PUMPS," Leeds.

THE
LEEDS ENGINEERING & HYDRAULIC Co.,

Manufacturers of

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

ELECTRICALLY DRIVEN PLANT.

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

Special prices to Canadians under the new tariff.

A. & R. THWAITES & CO.,

Inventors of
SODA WATER,
Dublin,
IRELAND.

(Established 1799.)



LIMITED,

Manufacturers to
Her Majesty the Queen
* and *
H.R.H. the Prince of Wales.

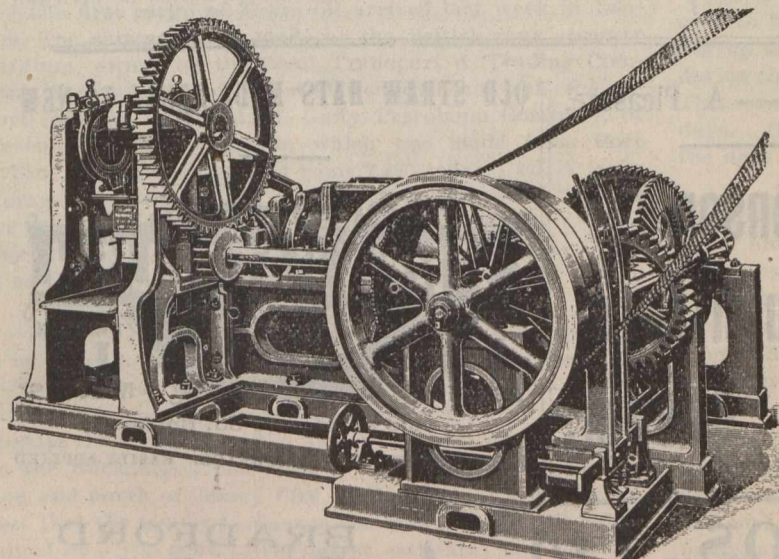
other plants of the syndicate at the "Soo," notably the iron-working establishments, and it was but another step of the evolution of the raw materials with which Algoma abounds.

—Vancouver advices state that as news continues to come in the widespread disaster caused by the recent storm is found to be more serious than at first thought, Lulu and Sea Island is four feet under water, dykes, built at enormous cost to keep out the Fraser River, being broken for miles by the wind and waves. As the water rushed through the piles on which the numerous canneries rest, they were levelled, and the wind finished the work. Four canneries, the Alliance, North Arm, Labrador, and Cleve are said to be totally destroyed and not a cannery escaped damage. The Japanese colony are homeless, their boarding houses being swept into the flood, in some cases carrying their living freight with them. Stacked crops were demolished and houses flooded over a wide area. Streets are navigable by boats, and the fleet fishing craft is piled in heaps on the high ground far from the canneries. The loss has been estimated as high as \$500,000, but it is impossible as yet to give an accurate estimate.

—Parliament is to be asked to grant legislation for the following purposes at the next session: For an act to ratify and confirm an agreement for amalgamation dated the 23rd May, 1901, between the Lake Erie & Detroit River Railway Company and the Erie & Huron Railway Company; to validate and confirm an agreement and lease between the London and Port Stanley Railway Company, the Lake Erie & Detroit River Railway Company and the City of London, respectively; to authorize the calling in of existing mortgage bonds or debentures issued by the London & Port Stanley Railway Company and the first preferential bonds or debentures issued or authorized to be issued, under Provincial and Dominion acts, and to replace the same by first mortgage bonds or debentures of the London & Port Stanley Railway Company, payable in twenty years from the thirty-first of August, 1901, with interest at the rate of 5 per cent. per annum, payable half-yearly.

—Application has been made to the Legislature for an act incorporating the London Railway Company, which proposes to build an electric line from Ingersoll, Ont., to London, via Thamesford, and also via Dorchester. From London the line is to run via Lambeth, Delaware, Mel-

Telegraphic Address:
"ALEXSON, LEEDS."



Patent Combined Stiff-Plastic Brickmaking and Pressing Machine.

Brick, Tile and General Clay Working Machi- nery

Herbert Alexander & Co.
LIMITED.

Queen's Engineering Works

Water Lane,
LEEDS, Eng.

Contractors to the Lords of the Admiralty.

Telegraphic Address: "ROPES, SUNDERLAND."

CRAVEN & SPEEDING BROTHERS,

Hemp Rope Department.

Manila Rope, Staple Brand.

" " "Red Star" "

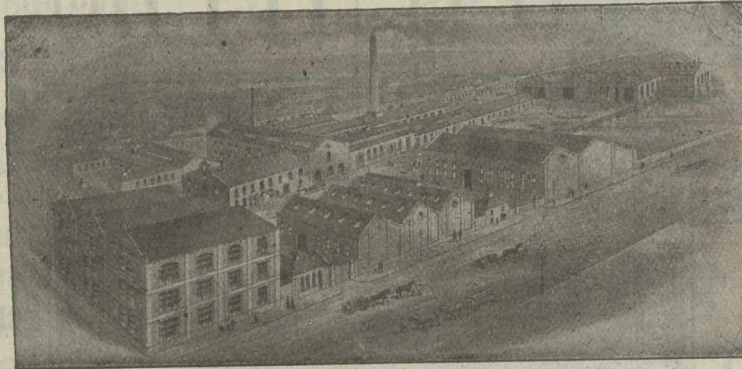
" " "Blue Star" "

Sisal Rope.

New Zealand Rope.

Tarred Russian Hemp Rope

Boltrope & Boltrope Cordage



Wire Rope Department.
(COLLIERY SECTION.)
Special "C" quality Extra Plough Steel Ropes.
"D" quality Plough Steel Ropes.
Special "A" quality Patent Improved Steel Wire Ropes.
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Special Flexible Steel Wire Hawsers and Ropes.
Extra Special Flexible Steel Wire Hawsers and Ropes.
B.B. Galvani'd Wire Rigging

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

FOREIGN AGENCIES: Hamburg, Antwerp.

HEAD OFFICE:

Sunderland, England.

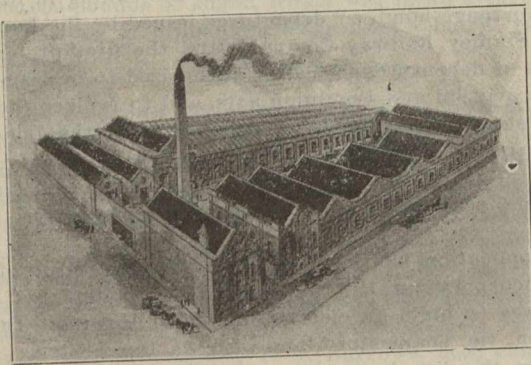
SPECIALITY:—Manila Binder Twine "RED STAR" Brand.

Established 1861.

.. Bootle Jute Factory Co., Limited ..

SPINNERS
AND ...
MANUFACTURERS.

JUTE BAGS AND BAGGING.



JUTE SACKING & SHESSIAN'S.

DUNDEE WORKS,

BOOTLE, - Liverpool, Eng.

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

bourne, Longwood and Appin to Glencoe, and from Delaware to Mt. Brydges and Strathroy. The company is applying for the usual power, including the carrying of freight, and will be a powerful feeder for London business, as it runs through a prosperous and fertile district. The incorporators are Messrs. F. G. Rumball, T. H. Purdon, T. C. Knott, A. E. Welch, and O'Brien O'Donnell of London, Col. Robert McEwen of Byron and James C. Boles of Ingersoll.

—A Lindsay, Ont., dispatch states that an enthusiastic meeting was held there recently to advance another stage the work of securing beets and capital for a beet sugar factory. Last week a large and representative county committee was formed, and this meeting was held under its auspices. Several addresses were made, and Mr. N. Hockin, offered to be one of 25 men to subscribe \$1,000 towards a \$25,000 bonus in case it was needed and the municipalities refused to vote it. It was decided to obtain a guarantee of 5,000 acres of beets. This task was assigned Messrs. Channon and Ellis, the late delegates to Michigan. A strong acting committee was appointed to co-operate with these gentlemen. The money to carry on the campaign has been provided by the County Council.

—The German Government, yielding to Russia's uncompromising attitude regarding the tariff bill, will, it is stated, propose, when the committee having the matter in charge meets, that the minimum grain duties be stricken



Will not Fingermark.

Polishing --- A Pleasure.

Stephenson's
Furniture
Cream.

OLD STRAW HATS MADE EQUAL TO NEW

PEERLESS
STRAW HAT POLISH.

IN
10
COLORS



DRIES IN
10
MINUTES.

Sold in 3d. and 6d. Bottles.

RESISTS DAMP. GLOSSY SURFACE. EASILY APPLIED

STEPHENSON BROS., Ltd.,

BRADFORD,
England.

Special Prices to Canadians Under the New Tariff.

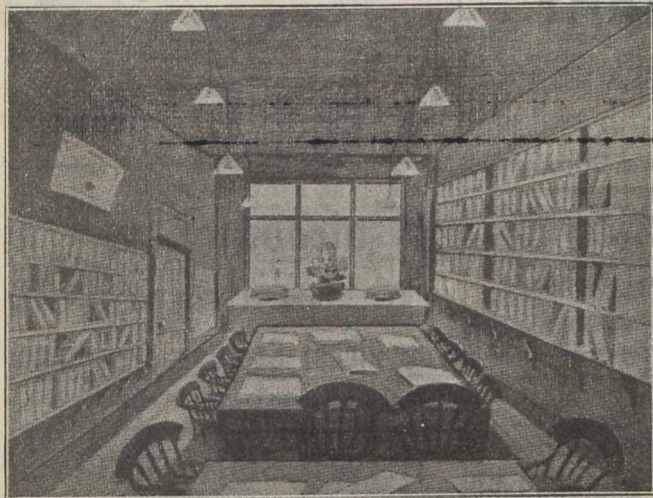
Telegraphic Address: "UNION," St. Helens.

Established 1837.

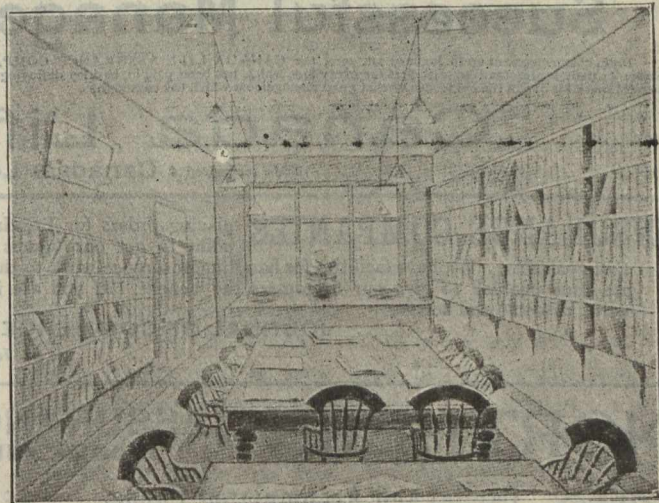
Union Plate Glass Company,

LIMITED,

REFRAX GLASS.



Interior of Room Lighted with Ordinary Polished Plate Glass.



Interior of Same Room Lighted with Refrax Glass.

**POCKET NOOK,
ST. HELENS,**

Lancashire, England.

out. These minimum duties were put in through the influence of the agrarians, who desired to fix a limit under which concessions could not be made in the commercial treaty negotiations. Their elimination leaves the Ministry free to meet the views of Russia respecting grain and hay. Thus far it has not made any representations concerning the tariff, being advised to wait until it was seen in what form the measure would be apt to pass.

—The C.P.R. land sales during the past year, according to a Winnipeg letter, have been unprecedented in value. Mr. F. T. Griffin, the Land Commissioner, said: "We estimate that the sales for 1901 will be about 840,000 acres for the sum of \$2,750,000. The Canada & Northwest Land Company's sales have also been exceptionally large. The annual statement will show that this company has sold in the neighborhood of 105,000 acres of land for the sum of \$585,000, and Mr. Willard said the past year was a record one in the matter of land sales, and these sales had been nearly all to farmers or intending settlers.

—The first cargo of Texas oil arrived last week in London. The shipment was made by the British tank steamer Cardium, owned by the Shell Transport & Trading Company, Limited, of London, which concern controls the export interests of the J. M. Guffy Petroleum Company, of Pittsburg. The shipment, which was made from Port Arthur, Texas, consisted of some 7,800 tons of oil. A large storage station has been constructed on the River Thames for the purpose of storing the Texas oil. It has a capacity of 30,000 tons. It is proposed to have a regular weekly service from Port Arthur to Europe.

—Pennsylvania Railroad officers announce that progress is being made in the way of completing the final plans for the North River tunnel. The next step will be the organization of a company under New Jersey laws to build and operate the terminal on the New Jersey side, which is to be on the Hackensack meadows, at or near Homestead Station and north of Jersey City. Officers in New Jersey expect that the money to finance the undertaking will be obtained at 3 per cent. The latest estimates are that the Pennsylvania Railroad tunnel and approaches will cost \$40,000,000.

—The consolidation of 25 companies controlling the principal gypsum fields of the United States was effected recently at Chicago, under the name of the United States Gypsum Company. The company has a paid up capital of \$10,000,000. It will have no issue, and its stock will not be offered for sale, as it has been underwritten by the parties interested in the combination. The company's avowed purpose is to develop the use of gypsum in the manufacture of plaster, as against that of lime.

—A large refinery is being erected at the Black Donald graphite mine in Renfrew County, Ont. The secretary of the Bureau of Mines, who has returned from a tour of eastern Ontario, says the mill will have a capacity of 40 tons a day, and that it will probably be running in two months. The large block of graphite which formed the foundation for the statue in the Ontario exhibit at the Pan-American was from this mine. The chief use of this graphite, it is said, is for facing moulds in foundry work.

—It is stated in lake shipping circles that the official figures to be issued shortly will show that the freight passing up and down both the Canadian and American canals during the past season will reach about thirty million tons. The season was comparatively short, numbering only 195 days. It is stated there is need for more canals, and that the next canal will be built up the St. Lawrence Rapids.

—Acknowledgments are due Messrs. Hiram Walker & Sons, Limited, of Walkerville, Ont., for a box of excellent cigars specially made in Havana for the purposes of the givers themselves. The box, lettering and enfoldings of these havanas are models of workmanship. Messrs. W. R. Wigham & Son, wholesale wine and spirit merchants, are the Company's agents in Montreal.

—London advices report that the coal shipments from Leith during 1901 amounted to a total of 705,972 tons, a decrease of 299,339 tons. The falling off is attributed to the coal tax, the industrial depression in Russia and Germany, and the competition of American coal, which is now delivered at Bremen and Hamburg much cheaper than Scotch coal.

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

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

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Thirteen months for revival of lapsed policies without medical certificate of five years' existence.
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Paid Up Capital - 1,581,666.00
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THE CANADIAN Journal of Commerce.

MONTREAL, FRIDAY, JANUARY 3RD, 1902.

HARBOUR MATTERS.

The important letter sent last week to the Harbour Board by the representatives of all the shipping lines doing business in the port of Montreal is remarkable, in some respects, as it goes to show that the plan of harbour improvements that has been the subject of so much controversy for the last four or five years is not proving to be as satisfactory—so far as developed—as might have been expected by some of its injudicious advocates.

As is well-known, by its readers, the "Journal of Commerce" has all along been opposed to some of the prominent features of that plan which after undergoing many modifications, was adopted under the designation of Plan 12.A.2.

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Established in 1788. Canadian Branch
Established in 1864.

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The chief objections of this Journal to that plan was the adoption of the high level and the consequent length of time that would be required to complete the work, and the unnecessary interruption of the railway traffic

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EIGHTY-ONE THOUSAND POLICY-HOLDERS.

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Shows that the 1900 Business Brought

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FORTY-EIGHT MILLION DOLLARS.

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

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UNION ASSURANCE SOCIETY OF LONDON.

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

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

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CANADA BRANCH:

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T. L. MORRISEY, Manager

that would ensue for an indefinite period of time. The importance of that feature of the question is now being realised by those interested in the trade of the port, as is evident from the letter resulting from the conference of the shipping interests to which we have alluded. The surprise is that the shipping interests did not realise what would come in the end before the plan was decided upon; now their objections come too late.

It has been the fashion of late years to abuse the Minister of Public Works because he had imposed an unsuitable plan on the harbour authorities. It is well known that the Minister of Public Works was from the first opposed to the high level principle, and only consented to it for the sake of peace; and as a concession to the feelings so strongly expressed by the shipping interests and the other commercial bodies, who appear to have been influenced by fictitious and specious representations without a full and serious consideration of the interests of the future, or even, for that of the then, next eight or ten years of the trade of the city.

When the Minister of Public Works made that concession he did it under a kind of protest, as it was contrary to the advice of the Government engineers, who had been consulted at different times since the high level feature was started some twelve or more years ago. It is somewhat amazing to find now, when the works are so far advanced that it will be an expensive matter to change them, that in the opinion of the shipping interest, as expressed in conference, the new wharves are already too high, and if the contemplated permanent sheds are built with the floors up to the level of the car platforms, the ships will be unable to swing the freight into them. This want of forethought is the more remarkable,

that, at somebody's instance, after the first pier was built, the others were raised nearly three feet higher than the first one, which is also to be given the additional height. Why this decision was arrived at has never been explained; probably it was found from the experience of the last three years of the break up of the ice that with the piers at the level then established, should a high flood come, such as will periodically, the reflex action of the water on the ice, in the river and harbour, would sweep away the sheds that might be placed on the piers like so many pasteboard constructions. The danger of that was pointed out in this Journal, after observations, before that level was changed. Against that change the shipping interest raised no objection at the time, but now they deliberately say the piers are too high.

The remedy proposed by the shipping interests is something singular; they recommend that on the piers the railroad tracks shall be sunk four feet below the surface level and along the whole front of the shore wharves, the railway tracks shall be kept eight feet below the level of Commissioners street—which, be it remarked, is not much above the present level of the tracks. How a train of cars is to jump four feet from one level to the other on a short and sharp curve is not explained. That is an engineering question we leave others to elucidate. It is urged further in favour of keeping the railway tracks at the lower level, that it will be economical as regards cost and the saving of time in completing the system of a good railway connection with the harbour. In this way the whole question of harbour improvements is re-opened, and by those who gave their influence and sanction to Plan 12.A.2. as the best that could be produced.

The conditions and requirements of no two ports are alike and have to be treated differently. It has all along been contended by this Journal there is no port in the commercial world that has gone to the enormous expense of building wharves higher than called for by tidal or local conditions. There are no such conditions here calling for that outlay of money and loss of time that are involved in our present harbour works. As was repeatedly pointed out in these columns, Montreal is only a summer port; and, however invaluable to the country it is, it cannot be more. Had the common sense low level been maintained, as we have contended for in the past, one pier after the other could have been built as required, and the railway track system would not have been disturbed; and that feature of the trade would not be in the demoralized and dislocated condition it is now in, and likely to be for an indefinite time. One of the chief arguments used by the advocates of the high level was that the ramps would be done away with, and all the city cartage would be on the level. Strange to say, that the recommendation that the railway tracks shall be eight feet below Commissioners street is coupled with the suggestion that two bridges shall be constructed to cross the tracks to each of the three piers. Those bridges would have a rise equal to the old ramps, and have the additional drawback besides that each load would have to go down a hill again. Such a deliverance as that looks strange at this stage of the progress of the works and it is not surprising to find that the Harbour Engineer objected to it when it was read to the Board on its receipt. It must not be forgotten, however, that the Harbour Engineer was strongly opposed to the high level, as it is now understood, until a few weeks before he agreed to it. That question was raised by the city in connection with flood

protection with which the harbour interests had really nothing to do.

The City Council of that day was persistent in objecting to the plan of harbour enlargement, that was prepared at that time, unless the flood prevention feature was provided for, and in which the high level had then become involved. The Harbour Board of that day asked for a report from their engineer on the matter, and on the 25th February, 1888, Mr. Kennedy in an elaborate and exhaustive report said among other reasons for the adoption of his low level plan: "As regards the height of the new piers and shore-wharves, it is proposed to make them only safely above the highest May or "north water" freshets. At this level they will, of course, be submerged in winter but as the ice can only rise and fall, and not shove, there will be no difficulty in erecting sheds and other structures of a character which may remain permanently. To raise the wharves so as to secure any real advantage from being dry all the year round would require that they be high enough to be safely clear of maximum floods, or, in other words, some six feet higher than the revetment wall and Commissioners street. This, of course, is not to be thought of, but anything short seems to me to offer no benefits worth anything like the great cost of raising the wharves up to some intermediate level, as that of Commissioners street, for instance."

This appeared to be conclusive at the time, but the pressure of the aldermen and the city engineer was so great that a very short time after, the Harbour Engineer changed his opinion, and what was known as plan No. 6 was evolved, and on the recommendation of the City and Harbour Engineers, was, after long discussions and division of opinions, finally adopted, but not unanimously.

The plan now being carried out, however, is essentially different from Plan No. 6, but the high level principle was adhered to, and now we are told by those who should know that the piers are already too high and if the floors of the sheds are raised, as proposed, to the level of the railroad cars the freight from the ships cannot be swung up into them, which was one of the advantages expected. So far the shipping interests only have been heard from, but the railroad companies have been invited to express their views as to the requirements for equipping the port with the requisite facilities for economic transshipment of freight. Doubtless divergent opinions will be brought on this question. The shipping interests evidently anticipated this when they made the wise suggestion that a terminal company should handle all the railroad traffic on the wharves. Whether that company should be an independent one or managed by the Harbour Board is, of course, a fair subject for discussion, but it must be clear to every one that such a method is the only way to utilize fully all the tracks on the wharves and enable the new railways of the near future to obtain entrance to the harbour.

It will be remembered by some of the older members now in the trade that this question received considerable attention some years ago, as may be seen by reference to the Harbour Commissioners' report for the year 1886. At that time the Grand Trunk owned the tracks on the wharves—and the Canadian Pacific were seeking an entrance there. After a long negotiation the Harbour Board owned all the tracks, and leased them to the two companies then in existence for a terminable period, with provision for new companies that might spring up in the future. A reference to that report shows that the question of an independent terminal management for the railway traffic, so that all rails could be safely utilised,

was in contemplation, and would have then been adopted, but at the last moment the Grand Trunk Co. declined to consent.

From the correspondence in that report—interesting at the present day—the Canadian Pacific Co. were willing that the Harbour Commissioners should work all the railroad car traffic on the wharves on a schedule of charges proposed, or that an independent company should do the work, or that the Grand Trunk should have the preference, on the schedule of charges proposed, to do the work; and if failing all other means, the Canadian Pacific would undertake the work.

In some respects conditions have changed since that time, but the essential features remain. The limited space on the wharves requires that every yard of rail placed upon them shall be utilised at all times. Light will, doubtless, be thrown on that feature of harbour requirements when the views of the railway managers are received. There is, however, a view of that feature that may not be fairly considered by that interest; that is, the question of a high level of the tracks, so that the traffic will be continued at all hours of the day and night without danger to and interference with the ordinary general traffic on the wharves. This is a feature of the position to which attention has been called in these columns, and in view of the recent decision of such cities as Chicago, Detroit, Cleveland, and other places similarly situated as Montreal is, requiring all railway tracks to be elevated, calls for serious consideration at the present time when a new order of things is to be established. This is not a new question, for we find in the Harbour Commissioners' report for 1887 a report from their engineer dated 19 Jan., 1888, which states that: "Over the ramps is a suitable site for double lines of elevated railway tracks, supported at proper height by rows of columns standing on the parapet wall, and outside walls of the ramps, so that the railways, if desired, may have connection with each other along the city front without interfering with vehicle traffic to the wharves."

We draw attention to these points at this time, as they have apparently been lost sight of in the wrangles of the last few years, but they will assuredly have to come to the front again before a proper system of harbour accommodation is provided for. We have repeatedly expressed surprise that a well studied out and complete system for the handling of traffic both by rail and water has not yet been considered and decided upon before this. It is evident now that the whole question—which is a large one—will have to be faced and it must be settled in the general interest and not in a way to suit individual interests alone.

There are other points raised by the shipping interests which we will not now enlarge upon. The desire they express that the charges on shipping shall be kept down as low as possible is well taken; and is in the interest of the country at large. As much, however, cannot be said about the height of the permanent sheds they propose—two storeys, each 16 feet high. With the present level of the wharves the ships could not swing freight to the upper storey, neither could the railway cars. To be of use that upper storey would involve the necessity for an interminable number of cranes, or some other machinery, the whole length of the sheds. It is easy to understand that with an elevated railway system for freight, the second storey for the sheds might be useful and necessary; but with the tracks sunk below the surface of the wharves,—as proposed by the shipping interest—or even on the surface level, the second storey

will be of doubtful utility from an economic handling of freight standpoint.

From what we have seen in the past, it is to be feared that much time will yet be lost in reconciling all the divergent views and interests before a well-defined plan of operations is decided upon in this matter unless some strong, masterful mind steps in to settle everything. In the meantime, whilst Montreal is groping along and apparently unable to find out what is the best and really required and obtainable, we see other ports quietly working with united energy to take away the trade from this port, and to a certain extent they have already been successful. If the spirit of the men of former times, who built up Montreal, is revived and unity of action is secured, this port cannot fail to be the chief point on the St. Lawrence route, the great highway to the ocean for the future for the great West.

POST OFFICE FINANCES.

Besides its more appropriate business as a carrier and distributor of letters the Post Office Department conducts quite an extensive business as a banker. It receives deposits, issues drafts, both domestic and foreign, and issues also a species of currency. It conducts an express business, for its parcels' delivery system is quite extensive and elaborate.

A brief statement showing the Post Office business of a banking nature will be found interesting. The aggregate balance at credit of depositors on 30th June, 1901, was \$39,950,812, which is, \$2,443,356 in excess of 1900. The average deposit is \$253, as against \$248 in June last year. The number of accounts open at close of year was 157,368, which is an increase of 6,381 over 1900. The deposits were 212,217 in number, an increase of 10,955 over last year, the total sum of them being \$11,091,099, which is a very large sum to have passed over the Post Office counters. The repayments numbered 102,083, for a total of sum of \$9,774,694, so that no less than \$20,865,793 was handled by the Post Office Savings Bank clerks in the course of last year. The following statement shows the position of these banks in June last, and totals of their business for 1900-01:

Due depositors 30th June, 1900	\$37,507,455
Deposits received	11,091,099
Interest allowed	1,126,953
	\$49,725,507
Repayments	\$9,774,694
Balance due depositors	39,950,813
	\$49,725,507

In each of the last ten years the amount standing to the credit of depositors stood as follows:

1892	\$22,298,401	1897	\$32,380,829
1893	24,153,194	1898	34,480,938
1894	25,257,868	1899	34,771,605
1895	26,805,542	1900	37,507,455
1896	28,932,929	1901	39,950,812

The increase in these deposits since 1892 was \$17,652,411. The amount is exactly double what was held in 1887, and ten times the total of 1880, which is a remarkable fact having much significance as evidence of the increase in the earning and saving powers of the people in the last twenty years.

The drafts issued by post offices, called "Money Orders," a term equally applicable to ordinary cheques, bank drafts, and foreign exchange drafts, amounted last year to \$17,956,257, and those paid to \$16,830,341, making a total of \$34,786,599 as the aggregate money transactions of the Post Office Money Order Department. The number of orders issued was 1,151,024, and those paid, 1,016,039. The issues and payments by Provinces were as follows:

	M. Orders issued.	M. Orders paid.
Ontario	\$7,705,066	\$8,465,991
Quebec	2,528,416	2,862,102
Nova Scotia	2,002,532	1,702,081
New Brunswick	926,226	914,238
Prince Edward Island	136,020	167,209
Manitoba	1,025,189	1,116,837
N. W. Territories	647,191	388,194
Yukon	1,034,328	37,791
British Columbia	1,951,289	1,175,898
Totals	\$17,956,257	\$16,830,341

The large amount of money orders issued in the Yukon and the small amount paid there are striking features in the above returns. The orders issued were thus classified:

	Total issue.	Payable in Canada.	Payable outside Canada.
1892	\$12,825,701	\$10,210,099	\$2,615,602
1893	12,902,976	10,404,857	2,498,118
1894	13,245,990	10,487,279	2,758,710
1895	13,187,322	10,736,647	2,450,674
1896	13,081,860	10,726,661	2,355,199
1897	12,987,231	10,680,835	2,306,396
1898	14,518,480	12,082,658	2,435,821
1899	14,467,997	12,001,224	2,466,772
1900	16,209,069	13,148,520	3,060,548
1901	17,956,258	14,324,288	3,631,969

The large increase of \$571,421 last year in Money Orders sent to foreign countries, is accounted for by those remitted to the States having enlarged by \$430,000, \$100,000 to the United Kingdom. The excess of those issued for the States over orders from the States was \$209,000, and the excess sent to England over those received from there was \$504,000. It is quite evident from an examination of the details of the Money Order returns that every country in Europe is receiving money from Canada in excess of what is received in Canada from Europe. The Dominion has a considerable population of foreigners who remit part of their earnings to their relatives across the Atlantic. The following shows where the Money Orders are chiefly sent and from whence received:

Country.	M. Orders remitted from Canada.	M. Orders received in Canada.
United States	\$2,118,295	\$1,909,168
United Kingdom	1,023,040	519,497
France	51,860	32,390
Germany	38,980	16,587
Italy	106,145	818
Newfoundland	78,509	53,503

Another business of a banking nature done by post offices is the issuing of Postal Notes. The number sold was as follows: From 20 cents to 40 cents, 171,643; from 50 cents to \$2.50, 517,789; from \$3 to \$5, 188,167, mak-

ing a total of 877,599 Postal Notes issued, the commission on which was \$17,717. The report does not state how much was out at any one time, but it cannot have been large as notes for these small amounts are usually cashed immediately.

The Postmaster-General's Report on the other sections of the post office work shows considerable increase in revenue, and affords evidence of the ability of the Department to handle newspapers for foreign parts at more reasonable rates. There is something exceedingly incongruous in the present postal rates which give the publications of a foreign country like the United States an advantage over those of Great Britain. The contrary policy would be in harmony with the fiscal policy of this country. The attention of the Postmaster-General should be directed to this question, as it would be most helpful in drawing tighter the bonds between Canada and the Motherland were their respective journals and magazines allowed to pass more freely through the post offices.

CHANCES, AS THEY APPEAR.

It may be said with safety that no year within the past decade has shown better chances for a prosperous retail trade than the one we are entering. In a recent issue we dwelt on the details which have brought this about, and which are as fully apparent at the present and for the coming season as then existed, and which permitted of the leaf being turned on the year 1901 with less accountings of loss and more of gain than importers had anticipated. These desirable conditions of trade proved, first of all, that principle, the base of commerce, is high among the retail traders of the Dominion, that when prosperity abounds, those engaged in mercantile pursuits are found taking advantage of conditions for the making of an honest dollar rather than of allowing them to lead on another path.

That the year 1902 will find active retailers forging ahead at a pace before unknown can be safely conjectured. How many of those who have been holding their own and using considerable economy and retrenchment in order to show profits during the past few years, will take full advantage of the prosperous state of the country during the present year? A merchant whose trade is local, and whose limits are apparently bounded by a section of the city or town, or whose location in the country appears to show him that beyond a certain section or line he cannot look for trade, may feel as he scans an article of this nature that talk and ink are cheap commodities but facts in bringing new and enlarged trade to a store are quite different. True, yet let that dealer but place himself for a moment in the place of district manager for his store instead of absolute owner, considering for the time that all the stores of the kind in that country have been brought under two distinct heads, each with ample capital to push trade for all it will profitably stand, and that his position as district manager (at a good salary and some commission) depends for its existence on the way in which he not only conducts the store, but on what new ideas he can muster for creating more business and drawing beneath his roof the trade which will, otherwise, most assuredly go to the opposing manager. What would be the result if such a change was a reality? It would be a straight case of fight or die.

What experienced retailer worthy of being in business but would so rearrange his premises under such circumstances as would at the end of six months make his orig-

inal place of business appear to him like some relic of by-gone days. This need not imply cut-price dealing. On the contrary the opposite is often the case, as the opposite must be the case if extra efforts to attract trade are to be conceived, planned and put into execution. The feeling, too often cultivated, that in order to catch more trade prices must be reduced and profits thereby often destroyed, is not entertained by owners and managers of the leading retail establishments of the continent. A little illustration here, while it is scarcely allied to regular storekeeping, shows that no matter whether a John Wanamaker wants to reform Philadelphia's City Council, or a country teamster to sell his buckskin whip, business principles will win the day and not only cause the man who put them into successful effect to feel that he is a capable person to engineer greater deals, but gives him the actual courage to go about them.

In Chicago some years ago a jobbing house in a line of goods principally sold through travellers, on buying out an opposition concern which was about to go into insolvency through want of push and endeavor, got among the stock in trade a show case filled with cigars. The peculiarity of the contents was that these cigars were all marked 5c, or 6 for 25c. The new firm permitted the case to occupy its accustomed quarters for some months, but there didn't seem to be many other quarters exchanged for cigars. Callers would see the case, step over and nine times out of ten would walk away without purchasing. Now, the owner of this new concern had never been a day in the retail trade, nor was he even known to indulge in a cigar, but with the native ambition which impelled him to see that everything about the place which was made to move had at least a fair circulation, he made that case of cigars advertise and sell themselves, and we will allow the reader to conclude whether a fair profit was derived. He sent out to a sign maker's and got a half dozen neat signs, three marked 10c straight, two marked 10c or 6 for 50c, and one reading: 15c, 2 for 25c. That cigar case was empty within two months.

While this might not profitably suggest itself to a dealer in cigars, or, in fact, in any other line, it illustrates what the right man can do whether he is in the right place or not. This man injured no man's trade in disposing of this lonely cigar stock; his quick perception merely told him that his callers wanted to pay more than a nickel for a cigar in order to enjoy a smoke. Furthermore, there was a great probability that his predecessor had paid perhaps \$55 per thousand for the stock, in which case he was but restoring lost prestige.

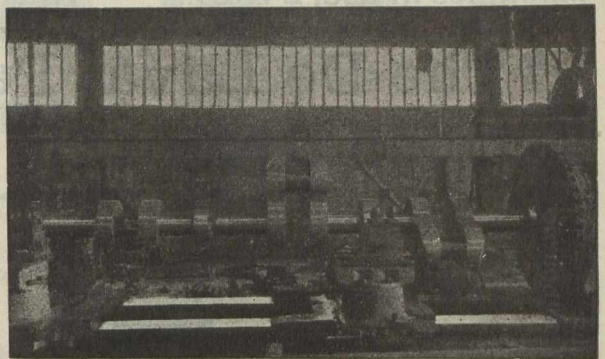
There is nothing to be gained from selling general merchandise, in any line, too low. There are extreme exceptions, but beyond this the general country storekeeper will be found selling lower, all round, than his big competitor in the departmental establishment, for the latter is compelled to get good profits or collapse, while the former can get along with less profit because of the extreme limit to which he can keep down his running expenses.

The year dawns favourably, because, with plenty work for all, as a continuance of good times last year, a better quality of goods is wanted by the general public. From the higher grades a greater proportion of profits is derived, while it gives, at the same time, a much better chance to the holder of dead, or slow-selling stock, to close it out and turn his money into something the people need. Stir and energy will do more during the pre-

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sent year for those who will put them into constant practice than was attainable for many years past.

THE CANADIAN LEAD INDUSTRY.

The mine owners of the Kootenay district have at last resolved upon the construction and operation of a refinery for the silver-lead ores of that district on the only business lines possible. They have abandoned the hopeless task of inducing the Government to construct a smelter, and will take steps to build and run one themselves. This is approaching the project from the proper standpoint. It takes very little consideration to see that running a smelter and refinery for the silver-lead mining districts is a matter outside the sphere of governmental action. It is a purely business proposition, and not a political issue. A smelter run by government nominees would in the ordinary course of events prove a financial failure. Conducted by business men, it would probably be a commercial success. Besides this the principle of calling upon the government to expend public money to advance the interests of any section of industry is a vicious one. If the mining industry is to prosper it must stand upon its own merits and not depend upon any more governmental coddling than it has received. The lead industry already receives a bounty from the Government on every ton produced. More than this it cannot expect.

The two obstacles which have hitherto been urged as deterring private capital from erecting a refinery are the alleged inability of the mine-owners to furnish an output adequate for the continuous operation of the refinery, and the smallness of the Canadian market for the finished output now that the outlet to the United States has been closed. These are both serious objections. But neither appear to be insurmountable in the eyes of business men, for it is claimed that the Canadian Smelting Works will proceed at once with the construction of a refinery at Trail, B.C., of sufficient capacity to handle the present output. And if it can be shown that sufficient matte can be obtained to render it a commercial success, it will be either enlarged and extended, or a new one constructed either at Nelson, B.C., or on the coast. This looks as if much of the doubt as to whether an adequate sup-

ply of matte could be secured is already dispelled. The area from which the supply could be drawn is steadily being enlarged, both by the opening of new mines and the increased production of old ones stimulated by the presence of the smelter. Besides this, a new district is being opened by the Lardeau railway and the development of East Kootenay is being steadily pushed on. Hence the outlook for an adequate supply of matte is promising.

No doubt smelters have lost heavily by the steady drop in metal values since January last. The fall in lead and silver is estimated to have cost the Kootenay mine owners \$600,000 on the year. And the smelters have naturally lost equally heavily by the falling market since it requires on an average from four to five months for them to realize upon the finished metal from the time when the ore was first bought from the mine. Yet the railways and the smelters have joined in making a reduction for the present year of \$4 per ton in the freight and treatment charges on clean lead ores. But the smelters require that they shall, in addition, be relieved from the danger of incurring further losses due to decline in metals, and, as it is generally conceded that the prices of metals have nearly reached bottom, it would seem entirely fair to the mines to make the change at this time. To accomplish this it is proposed that preliminary settlements involving the payment of 9 per cent. of the proceeds will be made as soon as results are obtained at the smelter, the final settlement to be made on the basis of quotations for metals for ninety days after the preliminary settlement. It is proposed to raise the zinc limit from 10 per cent. to 8 per cent., which would mean that on clean lead ores carrying 40 per cent. lead and over, the total reduction in freight and in treatment charges will be \$4 per ton, while on ores containing over 8 per cent. zinc, the net reduction will be \$3 per ton. The above reductions in rates will not compensate the mines for their losses in the decline of metals from the first of the year to the present time, but as the quotations for London lead during the latter part of 1900 were abnormally high, it is hoped that the mines will find it to their interest to continue operations at present figures.

—Governor Shaw, of Iowa, will succeed Mr. Gage as United States Secretary of the Treasury.

Machines in use, 2402

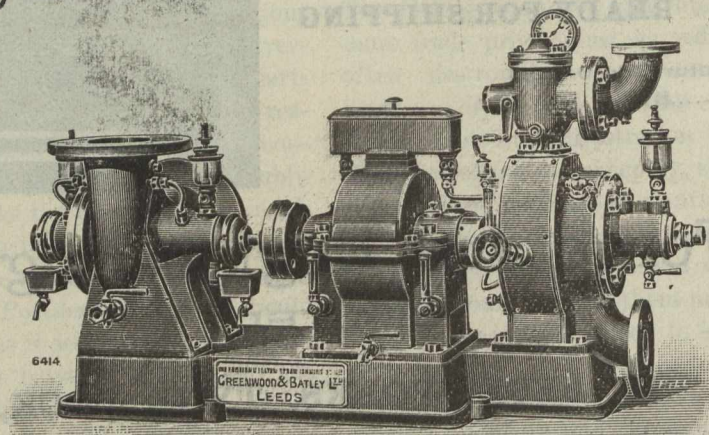
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THE ECONOMIC CONDITION OF ITALY.

Italy, in proportion to its population, is the poorest customer Canada has in Europe, and it is the poorest of European states in another sense. From a work recently published, we gather information regarding this ancient kingdom that is most interesting, though not cheerful reading. Italy is eaten up with taxes. All the cities have local imposts that bear very heavily on the poor. Bread-flour is taxed 15 per cent. on its value; meat, soap, firing, furniture, building materials are all taxed, most of them up to 20 per cent. of their value. The labouring classes pay 4 per cent. of their incomes in taxation; the middle classes, as tradesmen, clerks, &c., pay 1.40 per cent., of income in taxes, and the rich pay under 1 per cent., so unequally are the imposts levied that provide a revenue for local expenditures. The gross debt of Italy is \$2,580,000,000, the annual charges on which amount to \$137,500,000. The debt comprises a total of \$800,000,000, which was spent on railways. The Government owns a two-thirds interest in all the lines in Italy, it guarantees 5 per cent. return on the capital, which has to be paid as the railroads are operated at a loss of \$8,000,000 a year. It is stated by experts that one-fifth of the staff of an Italian railroad is quite needless, the service is overmanned, yet is inefficient, and all the lines are heavily embarrassed with debt.

Italy has contributed a large body of immigrants to South America and other countries, from whom it is stated that \$30,000,000 are sent home every year. Even the poor Italians in Canada sent home \$106,000 last year. In some parts of South America the Italians are nearly in the majority.

The distinguished position Italy has taken in the electrical world is chiefly owing to the working of the old law: "Necessity is the mother of invention," Italy's necessity is cheap power and light, yet it has no coal. But it is singularly rich in electrical power from waterfalls and currents. The city of Milan was the first in the world to be lighted by electric lamps. The Edison Company is now supplying 13,000 horse-power from electricity to that city. There are factories in Italy that utilize 380,000 horse-power, all derived from water courses. The land, therefore, was a school for electricians, and from this school has come Signor Marconi, whose wireless telegraphy is the topic of the day.

Italy is now shaking off its lethargy under the stimulus given by prospects of development in manufactures based upon the supply of cheap electrical power. Large cotton and silk mills are so operated, and other establishments, the output from which is likely to give a new feature to the exports of Italy, and, if the exports are enlarged as hoped for, the imports will also increase and this land so rich in classical associations will become enriched by its industries, and strengthened by the energies and latent talent of the people becoming developed by the favourable conditions now opening out for capital, skill and labour.

THE STOCK MARKET OF 1900.

In reviewing the salient features of the stock market for the past year, the one that appeals to us most forcibly is the tremendous depreciation in mining stocks. The boom of 1899 collapsed early in 1900. Of the dozens

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of mines whose shares were dealt in during the period of inflation but seven still retain their positions on the active list. The remainder have long since ceased to be dealt in, or even quoted, and there must be millions of dollars' worth of elaborately engraved mining stocks now hoarded in this country which are only valuable to-day as works of art. How much money was lost in the reaction has been variously estimated from \$35,000,000 to \$50,000,000. These figures are doubtless exaggerated. But that the losses were extremely heavy there can be no doubt. The "cold storage catastrophe," and other disasters in the produce and other trades, could be traced directly to speculation in mining stocks. And many men saw the savings of years disappear like frost in the spring sun through the endeavour to increase them by taking a "flier" in mines.

Of the seven survivors which still retain their positions on the list, every one shows a heavy decline. They are quoted to-day as follows:

	Open.	High.	Low.	Close.
War Eagle	1.05	1.05	.14	.14½
Republic . . . . .	.60	.60	.07	.07
Payne . . . . .	.60	.61	.14	.26
Montreal and London . . . . .	.05½	.05½	.03	.04½
Virtue . . . . .	.30	.32	.08	.25
North Star . . . . .	.90	.90	.24	.24
Centre Star	1.05	1.05	.30	.80

It will be seen from this table that War Eagle, which opened the year with transactions at \$1.05 had dropped to 14½ cents at its close, while Republic, which started at 60 cents had fallen to 7 cents. And these are "asked" prices. What would be bid for a bona fide block of mining stocks to-day is a mere matter of conjecture. They

are practically only dealt in speculatively at the moment. It would be a bold or far-seeing man who would purchase them for investment.

In the railway stocks (including those of the street railways) a directly opposite result is shown. Canadian Pacific, the doyen of the roads, passed par early in the year, and the succeeding months have marked its rise from 93½ to 115½, and at the close, under unfavourable conditions in the markets of the world, and hampered by a slump in copper stocks, it still sold at 113 points, or only 2½ points under the highest figures of the year. Duluth naturally advanced in sympathy also. In the street railways, Montreal Street and St. John Street, are the only ones registering declines on their opening figures. In the case of Montreal Street prices had been forced up—largely by manipulation—to 306½; an artificial figure, from which it reacted to 263½. Since then it has advanced again, and its present price of 270 may be considered as a fair value at its present dividend rate. The others in its category show marked reactions from their low points, as the subjoined table shows:

	Open	High	Low	Close
Pacific	93½	115½	87½	113
Duluth	5¾	12	4¼	11
Duluth pfd.	15	22	15	20
Mont. Street	284	306½	263¼	270
Mont. Street, new	275	304	250	274½
Toronto Street	111½	117½	106¾	115¼
Halifax Street	98½	105	86	103
Detroit Street	75	77½	75	77
Winnipeg Street	105	107	105	107
St. John Street	117½	117½	113	113
Twin City Street	70½	110	65¼	109¾

In the banks there have been but few fluctuations.

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Bank shares, nowadays, are held mostly in strong investment hands and are affected but little by the speculative movement. The largest gain of the year must be credited to Molsons Bank, which has advanced in value 17 $\frac{1}{2}$ points over its opening quotation. The largest reduction is that of the Bank of Toronto, which declined from 266 to 231 $\frac{3}{8}$, owing to the addition of an extra \$1,000,000 to the capital stock:

	Open	High	Low	Close
Bank of Montreal	258	261	253	258 $\frac{1}{2}$
Ontario Bank	124	125	123	123
Bank of B.N.A.	129	130	129	130
Molsons Bank	191 $\frac{1}{2}$	209	190	209
Bank of Toronto	266	266	231 $\frac{3}{4}$	231 $\frac{3}{4}$
Merchants Bank	154	162	150	150 $\frac{1}{2}$
Royal Bank	175	175	175	175
Bank of Nova Scotia	235	235	235	235
Eastern Townships Bank	154	154	150	150
Quebec Bank	120	121 $\frac{1}{2}$	110	110
Union Bank	105 $\frac{1}{2}$	106	103 $\frac{1}{2}$	104 $\frac{1}{2}$
Bank of Commerce	148 $\frac{1}{4}$	158	146	151
Hochelaga Bank	135	145	130	145

In the industrials the prominent feature is the decline in cotton stocks. All of these have been reduced considerably; largely owing to internal friction. It is hoped that under new management, and with a prosperous outlook, these securities will soon reach again their normal value. At present they are quoted as follows:

	Open	High	Low	Close
Richelieu	110	125	105 $\frac{1}{2}$	110
Cable	169 $\frac{1}{2}$	189 $\frac{1}{4}$	163 $\frac{1}{2}$	169
Telegraph	172	175	166	175
Telephone	173	175	165 $\frac{1}{4}$	168 $\frac{3}{4}$
Gas	222	250	214	237
Electric	216 $\frac{3}{4}$	249	208	240
Heat and Power	100	103	90	96
Light and Heat	3	3	3	3
Iron and Steel	31 $\frac{1}{2}$	38 $\frac{3}{4}$	20	27 $\frac{1}{2}$
Iron and Steel pfd	85	95	73	81 $\frac{1}{2}$
Laurentide Pulp	125	125	95	99 $\frac{1}{2}$
National Salt	47 $\frac{1}{2}$	47 $\frac{1}{2}$	43 $\frac{5}{8}$	45
Montreal Cotton	143	146	110	115
Dominion Cotton	93	93	45	45
Colored Cotton	79	79	55	55
Merchants Cotton	137	139	89	89
Dominion Coal	34 $\frac{1}{4}$	50 $\frac{7}{8}$	34	50 $\frac{7}{8}$
Dom. Coal, pfd.	109 $\frac{1}{2}$	121	109	115 $\frac{1}{4}$
Inter. Coal, pfd.	54	55	50	55

The bond list, as usual, shows very minor fluctuations. And these are mostly in an upward direction. Held purely for investment they are largely unaffected by the movement of the more active stocks and reflect only the steady current of actual values. The principal bond issues dealt in fluctuated as follows:

	Open	High	Low	Close
Land Gran Bonds	110	110 $\frac{1}{2}$	109 $\frac{3}{4}$	109 $\frac{3}{4}$
Cable bonds	102	105	99	99
Halifax H. and L.	15	20	15	20

Butterworth & Dickinson,

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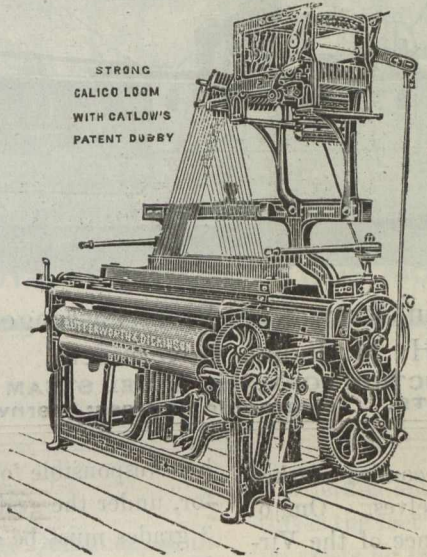
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Halifax Tram.	103½	104	103	104
Col. Cotton	99¾	100	98	100
Dom. Coal bonds	111	111¼	110	111
Laurentide bonds	105	105	100	105
Iron and Steel bonds	88¾	88½	76½	82
Bell Tel. bonds	110½	111	110	111
Winnipeg St. bonds	108	109½	108	109½
Montmorency Cotton bds.	105	105	105	105
Corporation 7's	109	109	109	109
Corporation 4's	104	105	104	104
Harbor 4's	102½	102½	102½	102½

CONSOLIDATION AND COMPETITION.

The trend of modern organization towards larger and larger units has been especially marked during the past year. The formation of a billion dollar steel trust in manufacturing has been followed by a \$400,000,000 railway consolidation. In fact, it looks as if the movement towards concentration in industrials had been transferred to transportation, banking, municipal franchises, and other similar lines of finance and trade. But in industrials alone the movement is quite sufficiently marked. The following summary showing the aggregate capitalization, including bonds and increases in capital, gives a clear idea of the proportions which this movement has reached during the past three years:

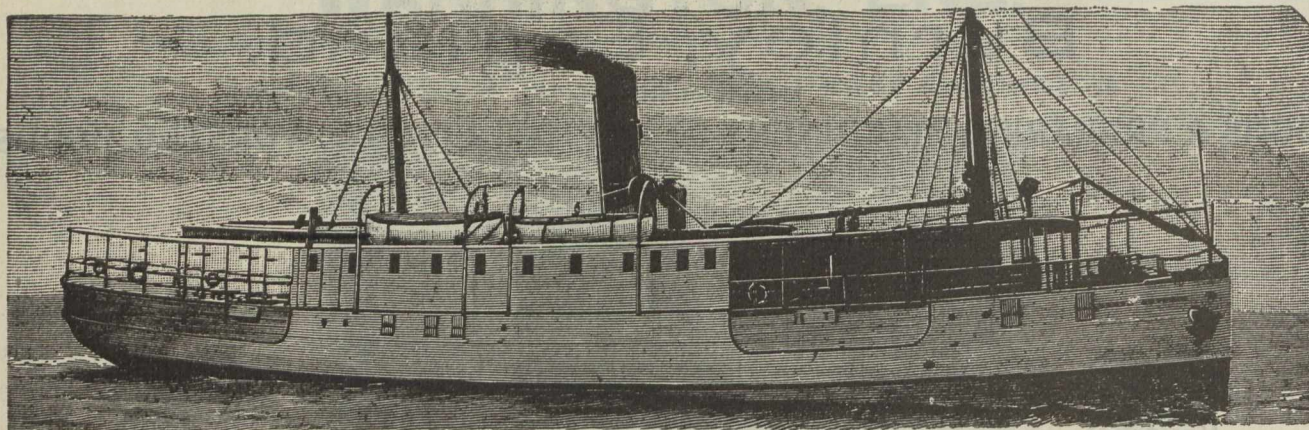
	Stock		Bonds.
	Preferred.	Common.	
Consolidations.	\$862,450,000	\$1,153,450,000	\$558,375,000
Increases by con- solidations	26,500,000	196,500,000	8,200,000
Total 1901	\$888,950,000	\$1,349,950,000	\$566,575,000
Total 1900	180,800,000	500,595,000	203,800,000
Total 1899	759,100,000	1,674,450,000	229,895,000
Total 3 years	\$1,828,850,000	\$3,584,995,000	\$1,000,770,000

The total capital given above of \$6,414,115,000 for the three years naturally contains some duplication, owing to the fact that some consolidations found in the earlier periods of the triennium have since been merged in still larger organizations. But even allowing for such duplication, the total capitalization of industrial consolidations for the three years is still in excess of \$5,000,000,000.

As in the two previous years a large number of consolidation projects were started during the past year only to be abandoned. The May panic in the stock market, and the succeeding condition of the money market, have operated against their successful completion. During 1899 projects whose capitalization amounted to \$1,000,000,000 had to be abandoned. And in the year just past the formation of trusts having an aggregate of several hundred millions of dollars as their proposed capital fell through at more or less advanced stages of completion.

We must add to this that the progress of competition by independent companies with the trusts has been marked during the past year. This has been especially true in the iron and steel trade. The organization of the United States Steel Corporation threw several men of wealth and ability out of responsible positions. And some of these have already organized opposition companies. Within the last two years over fifty million dollars have been invested in independent companies in Pennsylvania alone. There are now competing companies with a capitalization of \$170,000,000,000 in the field against the Steel Trust. And this figure does not include a number of small companies, with capitals of under half a million, whose aggregate would largely increase the amount of capital the trust has to contend with.

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Another form of competition that is becoming marked is that between the consolidations themselves. One of the best illustrations of this is the entrance of the Virginia-Carolina Company into the cotton-seed oil business as an active competitor with the American Cotton Oil Co. The entrance of the American Ice Co. as a competitor to the Coal ring is another illustration of this principle. In fact, in every industry, the consolidations are finding active competition to face—a point which guarantees the public against any absolute control of the market by the trusts.

THE OAT CROP IN THE NORTH-WEST.

Some disappointment has been caused among merchants in the far North-West over the curious outturn of the oat crop in Alberta, where it forms the principal reliance of the farmers and is just as important as the wheat crop in Manitoba. An enormous crop had been gathered in, prices were high, and everything promised for prosperity, more especially as large orders for Alberta oats had been placed by the British Government for use of the army in South Africa. Prices advanced as the oats appeared to be of fine quality and weighed not too heavy. Merchants predicted a big sale for every bushel and the outlook for trade in that important district was considered bright. This impression continued until the oats began to arrive at the milling centres. Millers had purchased them freely on their fine appearance. But on grinding them the resulting meal proved black. And an expert examination showed that they had been frost-bitten.

In appearance the oats were fully up to No. 2 standard and were graded as such by the Government inspector. When the unsuspected damage was discovered the inspector was notified by the purchasers that he would be

held responsible for the loss incurred by incorrect grading for, under the grain inspection laws, both No. 2 and No. 3 grades must be sound. And these oats were frosted. Hence, unless special grades were made for them they would have to be graded as "feed" only. This plan was accordingly followed. Two special grades were made for Alberta oats by the grain inspection board and thus dealers will be better able to market them than if they were forced to grade them as "rejected" or "feed." For, although these frosted oats are no use for milling purposes, they are excellent for all others. In plumpness and weight per measured bushel they excel Manitoba oats of the same crop. But they do not bring the prices of milling oats, and thus the disappointment in Alberta is very keen.

Fortunately as oats are usually principally for animal feed, the damage done to them by the frost is not nearly so serious to the grower as it would be in the case of wheat. And besides this, some of the crop must have escaped frost, and if these can be separated from the damaged stuff they will bring the full price of milling oats. As to the frosted ones, buyers in Northern Alberta have cut prices seriously. Still their value as feed has been but little impaired, and hence the crop will be a remunerative one to the farmer. But of course not by any means as remunerative as it would have been had the quality of the oats and their behaviour in milling borne out the bright anticipations engendered by their plumpness and fine appearance. Thus the disappointment has been keener than it would have been had the existence of damage been known before the oats had been marketed and graded by the inspectors. Yet the latter do not seem to blame. The oats were accepted as fine quality by experienced buyers and looked equally well to the inspectors. It was only the crucial test of milling that revealed the fact that they were frosted.

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THE PUBLIC FUNDS.

The present financial standing of the Dominion, as indicated in the public accounts, may be looked upon as fairly satisfactory. During the year the net debt certainly increased by \$2,986,496. But the total capital expenditures (inclusive of additions to sinking funds) was \$11,116,408; and hence it will be observed that \$8,130,301 of this was met out of the revenue. In fact, the surplus on consolidated fund operations for the year was \$5,648,335—one of the most handsome profits in the Dominion's financial history. Of course, it may be objected that this is a book-keeping surplus, and not an actual one. But this is not strictly correct. There is a marked difference between capital and ordinary expenditure, as every business man knows. It can easily be illustrated by a simple comparison. A man having a business bringing in an income of \$1,000 per year builds a warehouse costing \$2,000 in order to increase his facilities. Could we say that his business during that year showed a deficit of \$1,000? Certainly not. It was an expenditure on capital account.

The case of the Government is precisely similar. The money expended on government railways, canals, public works, Dominion lands, military supplies, subsidies, etc., may be compared to the expenditures of a merchant in extending his facilities. It is represented by increased efficiency in transportation. Of the eleven millions, \$2,512,328 are represented by government aid to railroads, opening up new and untouched territory, and \$3,633,828 on the Intercolonial Railway—that governmental white elephant whose ultimate destiny seems to be its absorption by one of the trunk railroads. The expenditure of \$1,425,741 on the St. Lawrence route, no public-minded citizen will cavil at, nor will he with the \$800,000 spent on the three canals. As to the expenditure of \$800,000 on public works in the Yukon, it is fully justified by the revenue-producing powers of that district. During the year just passed it has turned into the Dominion Treasury \$6,700,193 against a total outlay of \$5,945,216—thus showing a clear profit of \$754,977. Hence it is only fair that a portion of the money earned in the territory should be expended within its limits.

There is one curious feature about the returns. And this is the fact that the Dominion Government has among its assets no less than \$4,340,000, in bad debts, made up as follows:

Albert Railway Company	\$14,725
Three Rivers Harbor Commission	81,760
Quebec Harbor Commission	3,748,519
Fredericton and St. Mary's Bridge Company	300,000
Montreal Turnpike Trust	195,000

One would think that the Government would have no difficulty in at least compelling the payment of interest on these amounts, even if it be impossible to collect any of the principal. But apparently it is not so.

THE PREFERENTIAL TARIFF.

The Winnipeg Free Press of Dec. 21st suggests that the supporters of the ultra-protectionist policy should adopt the views always put forward by this Journal, in an editorial which reads as follows:

The observation made by the Free Press some time ago that the actual Canadian tariff on all goods that could be imported from Great Britain was the preferential tariff, which is only two-thirds of the general one, was very badly received by our ultra-protectionist contemporary, whose tariff faith is expressed by the Borden resolution, which calls upon Canada to bring her tariff up to the United States' level; i.e., to about 52 per cent. The Telegram attempted to meet the statement with a remarkable theory about the refusal of people to buy cheap goods when dear ones were available; and from this it went on to contend, in glorious indifference to patent facts, that the preferential tariff could not have any effect in lowering prices of goods in Canada.

The Telegram should now take the Montreal Journal of Commerce to task for it has been making the same assertions as those which gave the Telegram so much pain when they appeared in the Free Press. The Journal of Commerce, which is one of the leading financial and commercial authorities of Canada, is published in Montreal, the great manufacturing and shipping centre of the Dominion; and its findings as to the operation of the preferential tariff reflect the experience of the Montreal merchants. The Journal of Commerce's article on the preferential tariff we herewith reproduce in its entirety:

ESTABLISHED 1848.

M. WOODWARD & SONS, Ltd.,

WHOLESALE & EXPORT

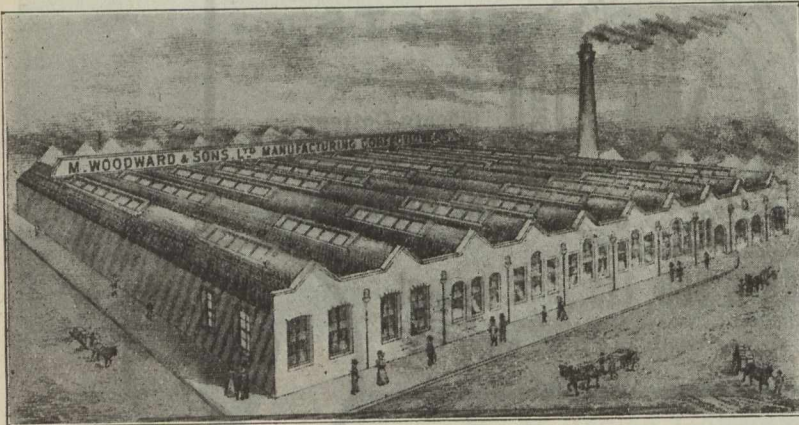
Manufacturing Confectioners,

Manufactory and Office :

Wavertree, - Liverpool, Eng.

Telegraphic Address: "TOXLETH, Liverpool."

Telephone 44, Wavertree.



"The effect of the preferential tariff upon the price of commodities manufactured in this country is often not sufficiently realized by our consuming public. It should be remembered that on all articles that can be obtained from Great Britain it is the preferential tariff that fixes the Canadian selling price of the goods and not the ostensible tariff. The figure at which British goods can be laid down here, including transportation and duty, is the figure at which Canadian manufacturers must sell similar goods. And the American manufacturer who wishes to sell his goods in this country, and who has to pay the full ordinary duty has to come down to the same figures or lose sales. Hence the resolutions in favor of reciprocity in the eastern manufacturing States; and hence the general paean of joy over the cessation of the practice of slaughtering American goods in our markets.

Thus the true test of the preferential tariff is not the actual increase or decrease of imports from England, but its influence on the actual selling price of goods in Canada. If our Canadian manufacturers lower their prices to just under the point at which the British goods can come in profitably, or were the United States to accept all the disadvantages of a higher duty and cut values in order to get rid of their surplus product, the imports from England would remain small. But in those particular ones the purchasing power of every Canadian dollar would be increased thereby, and the volume lessened of that indirect home taxation which is none the less real because the proceeds go into the tills of our own manufacturers instead of into the Dominion treasury. Hence the preferential tariff is as much in the interest of the Canadian consumer as of the British exporter. And since it saddles the United States with a duty one-third heavier than that paid by the goods of the Mother Country, it relieves the Canadian manufacturer of a portion of American competition and thus affords him a wider market.

But like most quiet economic revolutions while the effects of the preferential tariff have not made themselves apparent to the ordinary man, the changes it involved are none the less real. It has operated practically as a reduction of the tariff only so far as the consumer and Canadian manufacturer are concerned. But its political effect on the United States is only just beginning to be felt. The big industrial firms of the Eastern States are commencing to feel the handicap of 33 1-3 per cent. against them, and the clamor for reciprocity is only checked by the dread they feel at a possible readjustment of the McKinley tariff arising therefrom. They are anxious not to lose any of their present high protection. Hence they are practically on the horns of a dilemma. Either they must bring the necessary pressure upon the Senate to force that conservative body to seek some form

of reciprocal convention. Or they must accept prices in this country one-third lower than they have been getting heretofore. And if they decide upon reciprocity they must be content to face the danger that it may prove the thin edge of the wedge that is destined to split the tariff wall."

The Journal of Commerce bears out, it will be noticed, the claims of the Free Press, which were that the rate at which English goods could be laid down in Canada under the lower tariff fixed the selling price of the Canadian and the imported United States goods of the same class. It is entirely fallacious to assume that when we estimate the increase in English imports, we have ascertained the extent of the advantage to this country of the preferential tariff; its greatest service has been in compelling the home manufacturer and the United States exporter to lower their prices to hold their markets here. Where they did not lower their prices they lost their trade as in the case of woollens. It may be remembered that the Telegram had the assurance when discussing this question with the Free Press, to deny that woollen goods had been affected in price by the operation of the preferential tariff, though the woollen manufacturers are on record to the contrary.

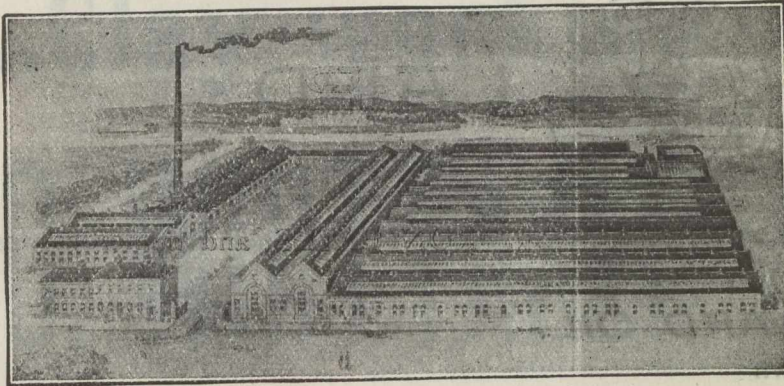
THE WOOL TRADE IN 1901.

In its annual review of the wool trade for 1901 the Wool and Cotton Reporter states that while there has been some increase in the size of the domestic clip, there has been a substantial falling off in the imports, and the sales in the principal markets have increased to a very noteworthy degree; the sales in Boston, for instance, have been about 90 per cent. larger in 1901 than they were in 1900, increasing from 146,975,100 pounds to 272,738,900 pounds. As a result of the changed conditions that have prevailed during the last 12 months, the amount of wool in the country, exclusive of wool in bond, is now 177,191,000 pounds, as against 294,537,338 pounds a year ago, a decrease of 117,346,238 pounds, or about 40 per cent. Including wool in bond, the stock now on hand is 212,203,036 pounds, against 352,247,389 pounds last year, a decline of over 140,000,000 pounds.

The following statement has been prepared indicating the total amount of wool in the United States (including wool in bond) on December 31, for a series of years:

1901	212,203,038	1898	279,310,017
1900	352,247,369	1897	223,719,296
1899	157,398,879	1896	219,641,788

Telegrams:—"Lumby, Halifax, Eng."



Boilers

FOR ALL PURPOSES.

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

LUMBY, SON & WOOD, Ltd.,

HALIFAX, ENGLAND.

Finest Catalogue in the Trade Post Free. Prompt Deliveries.

Special terms to Canadian buyers under new Preferential Tariff.

The salient feature of the situation is that though practically the whole 1901 clip of the United States has already passed out of first hands and has found its way to the distributing centres, nevertheless the stocks on hand in the leading markets at the close of the year show a very considerable falling off from a year ago. For instance, the stocks in Boston, exclusive of wool in bond, have decreased from 94,749,000 pounds in 1900 to 80,100,000 pounds in 1901.

The following figures are of interest, showing the sales in the three principal markets of the country:

1901	404,538,000	1895	379,875,963
1900	236,142,284	1894	239,208,812
1899	515,625,920	1893	199,504,303
1898	230,486,385	1892	308,644,179
1897	527,055,574	1891	245,039,380
1896	244,211,300	1890	253,803,590

From this it appears that though the sales in Boston, New York and Philadelphia have this year aggregated considerably less than in 1897 and 1899, the greatest speculative years in the history of the industry in this country, they have nevertheless greatly exceeded the average since 1890. In fact, the sales for 1901 are almost 25 per cent. larger than for the average during the past 12 years. The noteworthy feature about this result is that it has not been attained by the use of boom methods, as the year 1901 has been, by comparison, singularly devoid of speculative features. It is safe to assert that there has not been a period for some years when less wool was being carried for purely speculative account than to-day.

HELP ALONG THE GOOD WORK.

Our readers throughout the length and breadth of the Dominion should avail themselves of the information in our advertising columns to open up correspondence with manufacturers in the United Kingdom concerning goods which have to a large extent for years past been supplied from other countries. The Differential Tariff, so patriotically established by the present Government at Ottawa, offers advantages sufficient to warrant a diversion in trade to a very great extent in favour of our kin beyond the sea.

HAMILTON, ONT. DRY GOODS FAILURE.

When some two years ago we chronicled the assignment of Frederick W. Watkins, for many years a prominent dry goods merchant at Hamilton, the circumstances as then related would seem to preclude the probability of a return, as owner, to active business. The subsequent fact of Mr. Watkins' stock, premises, etc., being secured by a stock company, which at once started in with a vigor sufficient

to not only hold all the trade enjoyed by the original owner, but to warrant much that must be drawn from competing concerns, made the commercial height from which he had fallen much harder to regain. However, difficulties are on the part of some but prompters toward greater efforts, and however imbued Mr. Watkins was with these commendable attributes, the results are again apparent to his hosts of friends and well wishers in Hamilton and vicinity. A second assignment has now been made. Mr. Watkins resumed business in August, 1900, under the firm name of The Frederick W. Watkins Company. The creditors are chiefly Toronto houses one of the principal being Messrs. Gordon, Mackay & Co.

CALENDARS RECEIVED.

An artistic wall calendar in white and varying shades of grey has been received from the Canada Life Assurance Company. While of quiet tones and in the best possible taste, it is effective in the extreme. The printing of the dates for two full years will make the 1902-3 calendar of this staunch old company a favourite with business men.—The Imperial Fire Insurance Company issues a large calendar, artistically blended as to colors and with full consideration as to office use.—The Northern Assurance Company of England issues a calendar which, for patriotism as its first attraction, has not been surpassed by anything of a spectacular nature since the Boer war began. The sentiment is deep as portraying the various colonies, each waving a salute, while prepared for the fray.—The Imperial Life, Toronto, calendar leads as to proportions, and is not behind in the artistic qualities which accord to those annual necessities a conspicuous place. The blending is tastily attractive while forming a deep contrast to the light groundwork of the calendar.—When the Equitable Life selected its calendar for 1902, it might readily have been seen that there would not be enough to go round, for if every inhabitant of the earth secured one the man in Mars would be likely to show signs of want.—The Western Assurance Company, Toronto, send a very neat calendar, the blending being of most excellent design. Among the richest turned out for 1902 the Western certainly holds high place.—The calendar issued by the Commercial Cable Company typifies in a most delicate blending of shades the uses of the active trans-Atlantic wires.—The Austin Engraving Company of Albany, N.Y., send a rich model of what the company can produce.—Denman & Bethune, plumbers, etc., Montreal, show taste in the selection of a calendar which would do justice to those in the finer lines of trade.—A handy little calendar has been received from the Springfield, Mass., Republican.—In fact, they each show a beauty of design and perfectness of finish altogether or—at least—nearly as well as though designed and executed at the office of the Journal of Commerce.

Established 1828.

Cable Address: "DUCRY," Liverpool.

PURE LARD.



Manufactured in England and packed in 28 lb. Galvanized IRON PAILS, and numerous other packages to suit all tastes. Choicest quality and full weight.

LARD OIL.

For delicate machinery is the finest known.

BAR MOTTLED SOAP.

IRVEN BROTHERS, LIVERPOOL, ENG.

Under New Canadian Tariff Law.

DAIRY PRODUCE.

A private London circular, date 20th ult., treating of the dairy produce situation, says: — Butter.—During the past week seasonable wintry weather of a bright and dry character has prevailed generally although in certain parts heavy falls of rain, sleet and snow have fallen. The Australian and New Zealand butter market has not thoroughly recovered from the disorganised condition of last week. In the early part of this week prices receded another 2s per cwt., but the tone of the market has daily improved and at the end of the week it is firm with a tendency to higher values. The only obstacle in the way of a rise at once being the pressing sales by some of the agents. Choicest brands are making 104s to 106s, and finest 98s to 102s. The advantage of the new method of discharging the Australian butter vessels is well illustrated by the Austral and the India. The Austral, under the new system, began on Monday morning, the 8th instant, and all her butter 11,456 cwt., was at Cotton's Wharf on Wednesday morning. The India, under the old method, began on Monday morning the 16th instant, and the portion of her butter, 10,546 cwt., for Cotton's Wharf, was not all there until Friday morning. A further proof of the efficiency of the new over the old method is furnished by the fact that the Austral delivery is complete, while there are some deliveries yet incomplete from the Arcadia, which arrived 18 days ago. The Danish Committee has left the Official

Quotation again unchanged, though the market in Copenhagen is firm, and but for the fact of next week being of a holiday character the quotation would have been raised by at least 2 kroner. Cheese.—The demand for Canadian cheese continues good, and prices have advanced another 1s per cwt. The bulk of choicest quality is selling at 49s, and there are a few lots of both white and coloured fetching 50s. The New Zealand cheese ex Gothic has been selling at 48s to 49s for choices.

Canadian Stocks of Cheese.—This Market Report of 6th September estimated the stocks of cheese in Canada on 24th August as being 322,000 boxes more than on the same date in the previous year. The following is the estimate of the stocks of cheese on 1st December 1901 in Canada and the U.K. For the last three years ending 30th April, which is virtually the ending of the Canadian cheese and butter export year, the following are the quantities of cheese and butter imported into the United Kingdom and the quantity of milk required to produce the cheese and butter:

	1899.	1900.	1901.
	tons.	tons.	tons.
Cheese	69,231	68,071	79,530
Butter	7,843	12,267	6,868
Milk	931,000	1,014,935	1,008,370

Converting the cheese and butter into milk, the quantity

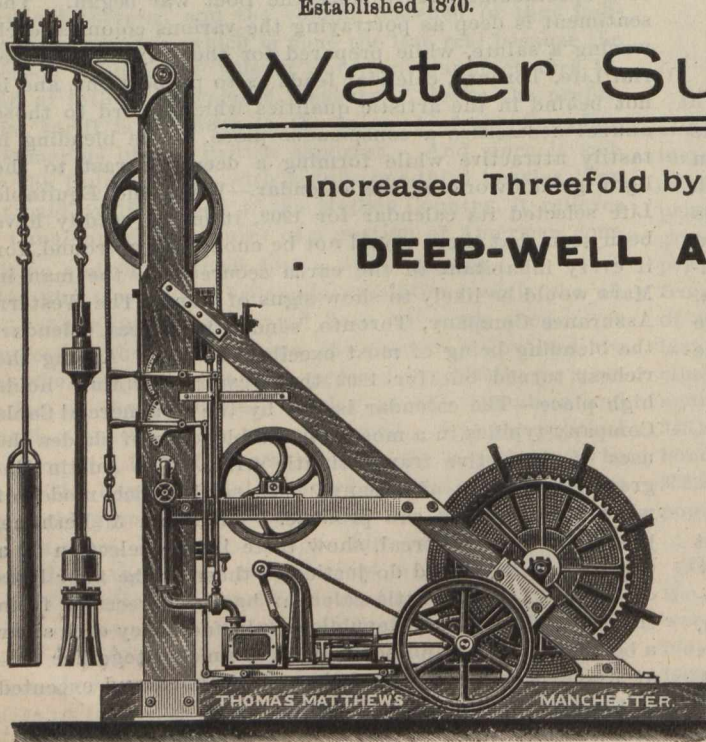
Established 1870.

Telegraphic address: "ARTESIAN, Manchester.

Water Supplies,

Increased Threefold by THOMAS MATTHEWS' PATENT

DEEP-WELL AND BORE-HOLE PUMP.



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

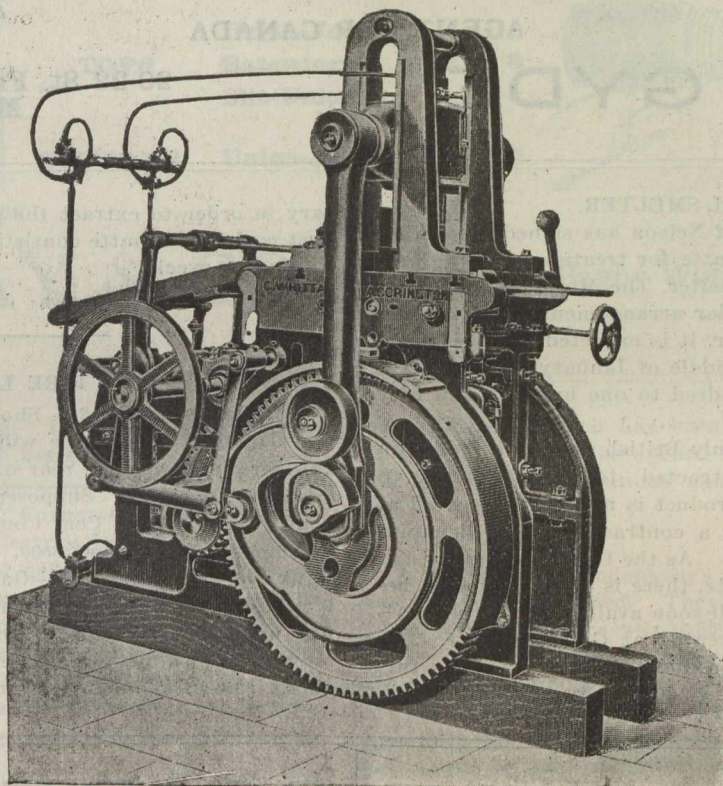
Thomas Matthews,
Hydraulic Engineer,
Pendleton, Manchester, England.

Special terms to Canadians under the New Preferential Tariff

..Clay-working Machinery..

Manufactured by

C. WHITTAKER & CO., LTD.



Dowry Street
Iron Works,

ACCRINGTON, Lancashire, England.

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

of milk required to produce the cheese and butter imported into the U.K. for the seven months of the present Canadian export year, viz., May to November, both included, is 936,220 tons, which is 72,150 tons less than the 1,008,370 tons imported during the year ending April, 1901. From 1st December 1900, to 30th April, 1901, there was imported from Canada into the U.K. 130,128 tons of milk in the form of cheese and butter. Therefore, if the grass crops this year in Canada were equal to those of last year, there will be 72,150 tons of milk in the shape of butter and cheese to arrive between 1st December and 30th April next. If the production of milk was increased 5 per cent. owing to better grass crops there will be 123,068 tons (about the same as last year), and if the milk was increased by 10 per cent. there will be 172,987 tons. The stocks of cheese in the U.K. on Dec. 1st were 31,000 boxes less than last year.

NEW MARITIME RAILWAY.

An important link in the railway development of the Maritime Provinces is the newly completed Midland Railway between Windsor and Truro. This line is 57½ miles long and runs through an exceptionally fertile and beautifully diversified country, presenting a panorama of rivers, lakes, woodlands, pastures, farms, gardens, orchards, and tidal water stretches. The line improves the transportation fa-

cilities for an extensive lumbering district, where a number of saw mills are already in operation, and also taps the Rawdon mining district. It is an important transportation link between the east and the west, and shortens the route between the terminal towns by about 23 miles. The roadbed is said to be equal to any in Canada, and is laid with sixty-pound rails, and improved angle fish plates. The Halifax Chronicle publishes an interesting account of the first excursion, and gives some details of the work of construction.

The contractors had to overcome some serious engineering difficulties. Where the bridge spans the Shubenacadie River at South Midland, the tide runs in from the Bay of Fundy, through Minas Basin, and up through the bay, rushing along the narrow channel at a speed of ten feet per second on neap tides and fifteen per second on spring tides. There are two tides in twenty-four hours, all the flow-in requiring only two and a half hours, while the ebb continues for over nine hours. On the incoming spring tides there is a rise of seventeen feet in twenty minutes, constituting the famous Bay of Fundy bore. In the face of this onrush of water the piers were built, and the work of sinking the caissons attracted wide attention. The new line will give an impetus to the ranching industry, which is opening on an extensive scale, and will be aided by the improved transportation facilities. In the rush of western expansion we must not forget that the potential wealth of the eastern provinces has by no means reached its highest development.

YORKSHIRE RELISH

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

Proprietors, GOODALL, BACKHOUSE & CO., LEEDS, ENGLAND.

AGENT FOR CANADA

CHAS. GYDE,

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

THE HALL SMELTER.

The Hall Mines Smelter of Nelson has signed a contract for the delivery of all its matte for treatment by the new converter of the Granby smelter. The Mother Lode smelter, Greenwood, made a similar arrangement several weeks ago. The Granby converter, it is expected, will be in operation not later than the middle of January, and will have a capacity of from one hundred to one hundred and fifty tons daily.

The Trail smelter is the only British Columbia reduction plant that has not yet contracted to ship its matte to Grand Forks. The Trail product is now being treated at an Eastern converter under a contract which will expire within the next five months. As the Granby company can probably quote a cheaper rate, there is every reason to believe that the Trail plant will soon avail itself of the privilege of having its matte treated at Grand Forks. The converter process simply produces blister copper, further treatment of the product in a refinery being neces-

sary in order to extract the gold and silver values. The first carload of matte consisting of 20 tons reached Grand Forks last week.

FIRE LOSSES.

Petrolia, Ont., Dec. 28.—Shoe store and stock of Mann & Co., damaged. Insurance will cover loss.—Hamilton, Ont., 29.—Fire in kitchen in rear of W. White's barber shop did some \$250 damage. Supposed cause, lamp explosion.—Toronto, 30.—People's Coal Company's stables and contents damaged. Loss about \$600. Building, owned by Quebec Bank, was fully insured.—Galt, Ont., 27.—Large barn belonging to John Guthrie burned, with contents. Cause of fire unknown.—Windsor, Ont., 27.—Residence of H. Paquette, 5 miles distant, burned, with furniture, etc. Loss about \$1,000.—London, Ont., 26.—Graham Bros.' large

Cable Address: EILLS, Liverpool.

EILLS & COMPANY,

LIVERPOOL, Eng.

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

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

SPECIAL AGENTS FOR

Danish and Irish Butter

IN TINS.

WRITE FOR OUR EXPORT PRICE LIST.

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

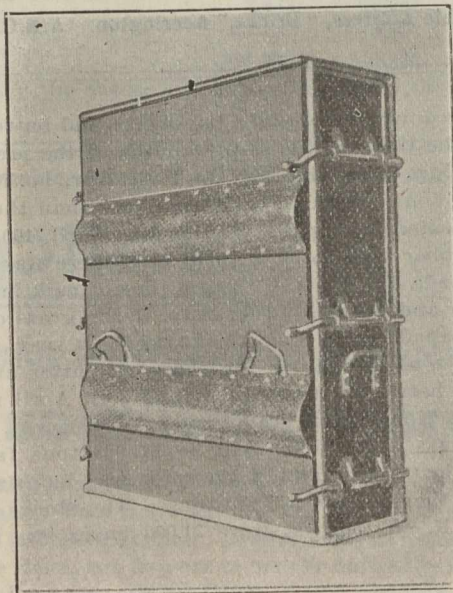
OFFICE:

12 Hanover Street, - LIVERPOOL, Eng.

Special rates to Canadians under the New
Preferential Tariff

SOAP FRAMES

PATENTS—No. 5107/93; No. 10362/99.



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

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

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

Soap Trade Supplied under the new Tariff

Bray's "Adjustable Special" Gas Burners

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

UNION-JET BATSWING SLIT-UNION

SIZES.

|||

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

GEO. BRAY & CO.

Gas Burner Manufacturers, Bagby Works, LEEDS, ENG.

furnishing stock badly damaged. Loss about \$7,000, principally on contents, which were insured.

—The Durban (South Africa) Corporation contemplates the acquisition of powerful electrically-driven sea-water pumping machinery, capable of delivering 2,000 gallons a minute at a minimum pressure of, say, 150 pounds per square inch, through any one or two groups of outlets or a single large nozzle with two connections, one at the pumping station and the other for attachment to the fire-boat engine. The plan is intended for use in connection with a scheme for utilizing sea water for the purpose of extinguishing fires.

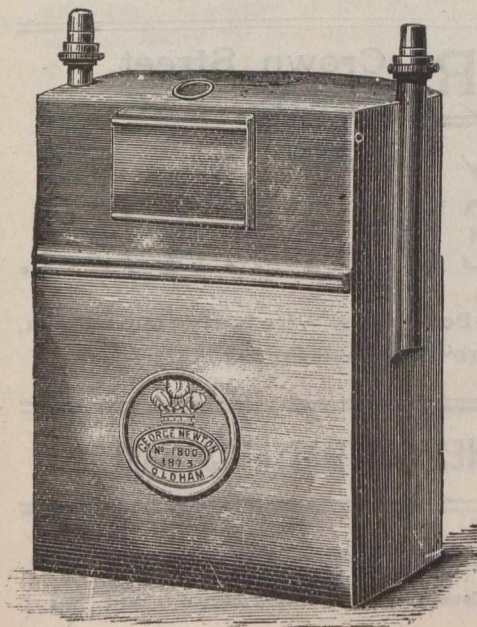
—The work of organizing the Exhibition of British Arts and Industries, which will be held next summer in St. Petersburg, says a recent London letter, and to which Canada is expected to contribute, is being pushed forward with great vigor. The exhibition will be open to exhibitors from all parts of the British Empire, and will be held in the

Tauride Palace, which has been lent for the purpose by the Czaritsa. It will be opened in the beginning of June, 1902, and will be continued until the end of September, 1902.

—A Eerlin correspondent says the census figures for 1900 have just been published. They show that the population of the German Empire was 56,357,178, which is an increase of over 4,000,000 in five years, the greatest since the foundation of the empire. The increase is due partly to the high percentage of births and partly to the increase of immigration compared with emigration. The white population in the German protectorates, including the garrisons in China, was only 9,400.

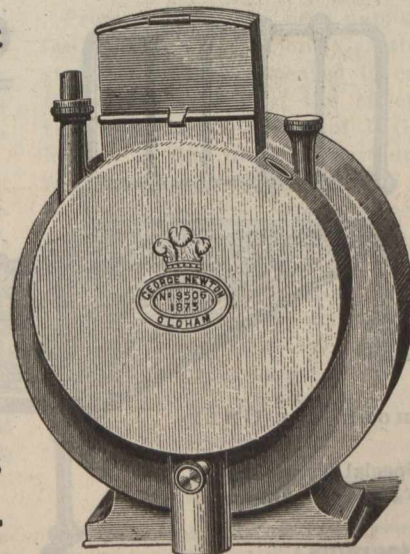
—Suburban residents of the south shore at Montreal South and Longueuil will be pleased to learn that an agreement has been reached between the G.T.R. and South Shore whereby commutation tickets of the latter's issue will be honored on all Grand Trunk trains between St. Lam-

GEORGE NEWTON, LTD.



**GAS METER—
MANUFACTURERS.**

**OLDHAM,
ENGLAND.**



Special quotations under the new Canadian Preferential Tariff.

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

ENGINEERS

Improved Horizontal Steam Engines (Class J.)

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

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

PLEASE INDENT THROUGH MERCHANTS.

Telegrams: "LEES, HOLLINWOOD."

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

bert and Montreal in future. Similarly tickets of Grand Trunk issue, reading from St. Lambert or intermediate stations and Montreal, will be honored on South Shore trains.

—A late despatch from Tokio says the Japanese budget shows ordinary revenue amounting to 225,000,000 yen (about \$112,500,000) and ordinary expenditures amounting to 177,500,000 yen. The Government proposes to devote the surplus, together with 38,000,000 yen obtained by the Chinese indemnity bonds and 15,500,000 yen from the old Chinese indemnity and other sources, to redeeming the national debt, constructing railway and telegraph lines and the restoration of the Naval Fund.

—Official statistics of Germany's foreign trade for the month of November show a decline in exports for the first time during the present year. This decline amounts to 60,130 tons. During the same month Germany's imports declined 165,535 tons. The totals for the month of November were 3,642,042 tons imports and 2,909,855 tons exports. The imports of wheat for the eleven months ending with November were 1,960,496 tons, as against 1,206,065 tons for the same eleven months of 1900.

—The Minister of Agriculture has given orders for space to be reserved for a Canadian exhibit at the Wolverhampton Exposition, which opens in May next. A Canadian pavilion to cost about \$5,000 will be erected. Mr. Fisher has also asked for space to be reserved for Canada at the Cork Exposition, which takes place about the same time.

—It is reported that a firm of fruit growers at Brighton, Ont., have nineteen acres of apple orchard, which in 1900

produced 2,200 barrels of apples, which sold for \$4,900. In the last eight years this orchard has made a net return of \$25,000 to the owners.

—Some changes for advertisements arrived too late for insertion in this week's issue. They will appear in the following issue.

LEGAL RECORD.

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

WRITS ISSUED—ONTARIO.

Alexandria—I. Simon vs M. Simon, \$3,723; Lochiell Tp.—Mary A. Stewart vs D. A. McMillan, \$3,000; Nepean Tp.—W. M. Goodeve vs Bridget and W. H. Villeneuve, \$541; Toronto—N. Willis & Co. vs R. Wolfe, \$574.

WRITS ISSUED—BRITISH COLUMBIA.

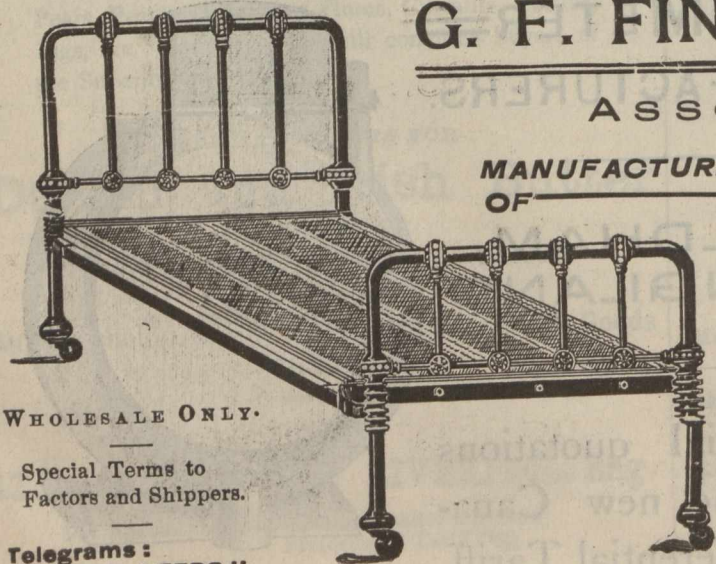
Vancouver—World Printing & Publishing Co. Ltd., et al, \$10,307.

JUDGMENTS RENDERED—ONTARIO.

Hamilton—Phoenix Inssee. Co. agt H. T. Bunbury et al, \$360; Merrickville—W. R. Bois et al agt Annie O'Neil and G. H. Ferguson, \$4,065; Norwich Tp.—Sawyer & Massey Co. agt W. L. Palmer \$329.

JUDGMENTS RENDERED—QUEBEC.

Ely—A. Dunarais agt N. Salois, \$805; Montreal—A. S.



WHOLESALE ONLY.

Special Terms to
Factors and Shippers.

Telegrams:
"WOVEN, LEEDS."

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

Assembly Works,

MANUFACTURER
OF

BEDSTEADS.

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

WIRE MESHES FOR MATTRESS MAKERS.

Angle Irons and Dovetails for Wood Bedsteads.

Special terms to Canadians under the New Preferential Tariff.

ESTABD

1859

LIVERPOOL RUBBER COMPANY LTD

MANUFACTURERS OF

RUBBER BOOTS & OVERSHOES

CANVAS, PLIMSOLL, GYMNASTIC & LAWN TENNIS SHOES

GARDEN
HOSEDELIVERY HOSE, BELTING,
CORD, MATS, VALVES, SHEETS.CAB
TYRES
PNEUMATIC
CUSHION
AND
SOLID
TYRESWASHERS
ANDALL KINDS OF MECHANICAL
RUBBERS. INDIA RUBBER THREAD

34 ALDERMANBURY

LONDON
ENGLAND

20 RUE DE MARAIS

PARIS
FRANCE

HEAD OFFICE & WORKS

VAUXHALL RD LIVERPOOL ENGLAND

Birchall agt Dme. Anna L. Briggs, \$948; National Bank of the Republic agt D. Hector, \$405; G. H. Young agt J. Young, \$2,749; Roxton Falls—G. Fauteux agt C. Fauteux, \$1,494; Ste. Cunegonde—Montreal Loan & Mtge. Co. agt Dme. Eliz. Smart, \$3,462; St. Marc—H. Ladouceur agt T. Handfield, jr., \$69.

JUDGMENTS RENDERED—NOVA SCOTIA.

North Sydney—W. H. Moore, \$347; Pleasant Harbor—J. C. Ross, \$528; Sydney—J. Urquhart, \$625; Sydney International Pier—J. Westaway, \$660.

EXECUTIONS—QUEBEC.

Montreal—J. A. Paiment agt A. Gonstein, \$746; Dme. H. Leveille et vir agt D. Laird, \$391.

CHATTEL MORTGAGES—ONTARIO.

Allenford—T. C. Powell to Elizth. H. Powell, \$600; Chat-

ham—A. J. McCall to Kerry, Watson & Co., \$800; Dumfries S. Tp.—Mrs. F. Ronsebrugh to G. W. Kitchen, \$1,100; Essex—C. L. & J. W. Sutton to Walkerville Brew. Co., \$700; Hamilton—W. N. L. Peace and wife to M. B. McQuesten, \$875; Leamington—J. A. Barr to Dominion Drug Co., \$4,945; E. Wigle to Walkerville Brew. Co., \$1,597; Ottawa—T. W. Hodgins to Susan Hodgins, \$2,122; Owen Sound—J. H. Rutherford to Telford & Co., \$1,995; Peterborough—G. N. Graham et al to Dickson Co. \$2,800; W. H. Robertson to Mary A. Robinson et al, \$4,676; Sandwich—M. Guindon to J. L. Murphy, \$1,776; Toronto—Mrs. Margt. Hillman to L. H. Hillman, \$1,777; J. W. Houston to Lyman Bros. & Co., \$1385; J. McBride to W. Scott, \$680.

BILLS OF SALE—NOVA SCOTIA.

Parrsboro—E. Spencer, \$817; Sydney—E. C. F. Chappell, \$1,200.

—Perhaps one of the handsomest specimens of lithographic art and without any doubt the loveliest example of holiday souvenirs or illustrations, is that issued by the wholesale dry goods firm of McIntyre, Son & Co., of this city. One is tempted to quote the words of Keats, "A thing of beauty is a joy forever," in referring to this exquisite subject.

—Mr. Chas. F. Smallpeice who for 15 years has been connected with the wholesale department of Rice, Lewis & Son Co., hardware merchants, Toronto, has severed his connection with that firm to accept a position with the wholesale hardware firm of Lewis Bros. & Co., of Montreal. Mr. Smallpeice will continue to travel over his old territory in northern and north-western Ontario.

—The New York Herald of the 1st inst. says: It was announced officially yesterday that negotiations are practically completed by the United States

Steel Corporation by which the great nickel deposits controlled by the Nickel Corporation of England will pass into the control of the big Steel Trust. Most of the rich nickel deposits are located in New Caledonia and in Ontario along the north shore of Lake Superior, and these are the properties which the United States Steel Corporation will acquire from the English concern.

—After an existence of eight years, the dry goods firm of Noel & Venner, Quebec, has assigned. Both partners were originally clerks, and scraping together what resources were available they began with small capital the uphill task of competing with large houses. The assets are given as \$11,500; liabilities \$14,500. The principal Montreal creditors are: A. Racine & Cie., \$1,712; The Brock Company, Limited, \$344; A. V. Morin & Cie., \$648; Herman H. Wolfe & Co., \$679; Caverhill & Kissock, \$853; Thos. May & Co.,

\$479; Gault Bros., Limited, \$630; Waldron, Drouin & Co., \$337.

RUMOUR DENIED.

Prompt denial has been published in the Montreal Herald and Gazette of a statement which appeared in each of these newspapers to the effect that the old-established firm of J. G. Mackenzie & Co. intended withdrawing from business. We are assured on the best authority that there was no foundation for the rumour, and that the business will go on as usual.—Mr. J. P. Cleghorn withdraws from the firm, and from all business—after very many years of close attention. His many friends wish him length of life to enjoy his well-earned retirement.

MANITOBA FIRE.

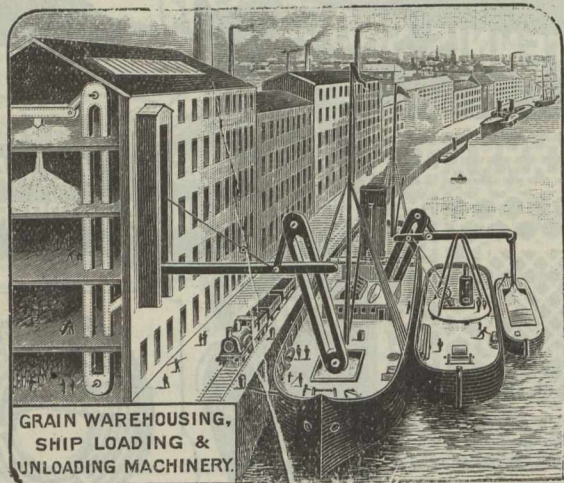
Fire, which started in basement of the Grand Central Hotel caused a loss

Contractors to H. M. GOVERNMENT.

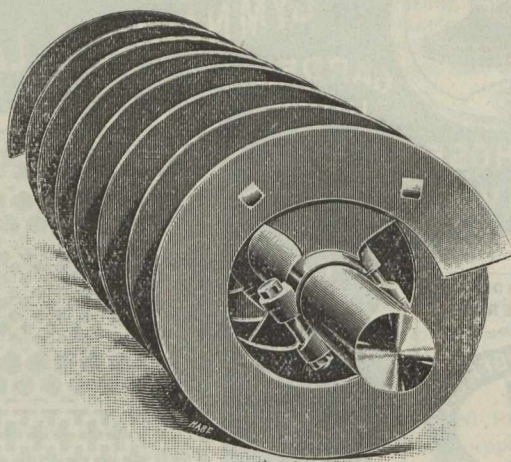
Telegrams: "CONVEYOR, ACCRINGTON."

CONVEYOR and ELEVATOR CO.

LOWER BRIDGE WORKS,
ACCRINGTON, Lancashire, Eng.



GRAIN WAREHOUSING,
SHIP LOADING &
UNLOADING MACHINERY.



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

to buildings and stock of some \$60,000. The buildings burned are: Grand Central Hotel, A. W. Bailey's shoe and harness store, J. Costigan's confectionery store, B. A. St. John's jewellery store; C. A. Newman & Bros. block and wholesale liquor and grocery store; H. G. Alton's auction rooms, Geo. Hart, tailor shop; J. Miller's barber shop, J. S. Rowe's photograph establishment was partly burned.

—Carmichael's block, at Rat Portage, Ont., was burned on the 3rd inst. The loss is given as about \$50,000.

FINANCIAL.

Montreal, Friday, Jan. 3, 1902.

The New Year opens brightly in a financial sense. In London, the discount rate is $3\frac{1}{8}$, and tending lower. Large disbursements by the Imperial Government are looked for that will ease the market. Natal is to issue a \$10,000,000 loan at 3 per cent., which will be offered at 93. This is a hopeful sign, as no such loan at so low a figure could have any chance were the war outlook not promising. The London Clearing House business for 1901 showed a total of \$47,805,840,000, an increase of \$3,000,000,000 over 1900, and \$2,054,500,000 over 1899, which is a hard nut for the pessimists to crack. Stock Exchange settlements for year aggregate, \$7,913,120,000, which is \$1,215,260,000 over 1900, and \$191,645,000 in excess of 1899. The iron trade in the United States is troubled with too great prosperity, as transportation facilities are not equal to the demand. Pig iron has advanced with orders for deliveries in second half of 1902. The consolidation of the Great Northern, Northern Pacific, and Burlington

El Padre Needles

10 Cents.

VARSLITY,

5 Cents.

The Best

~ CIGARS ~

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

Made and Guaranteed by

S. DAVIS & SONS,

MONTREAL, Que.

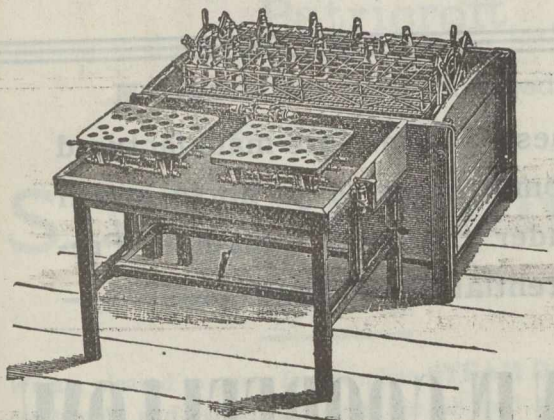
Railway systems is being hotly opposed in the Courts, and by the authorities of States through which they run, and Congress will be asked to take action against what is alleged to be a movement inimical to the public welfare. The Stock Exchanges were closed on 1st, but next morning a lively business was done, prices made a slight advance and the market was strong. The distribution of dividends always develops the trade in stocks, and an exhibit of comparative present prices with those a year ago, having shown a decline in a number of quotations, has stimulated buying. Pacific was sold to-day at $116\frac{1}{4}$; Twin City, 110; Montreal Power, 96; Steel, $29\frac{1}{2}$ to $29\frac{3}{4}$; Steel preferred, $82\frac{1}{2}$; Coal had

quite a boom sales being very heavy, prices ranging from $54\frac{1}{4}$ to $54\frac{3}{4}$. Banks are quoted: Montreal, 258; Ontario, $123\frac{1}{2}$; Toronto, 229; Merchants, 150; Molsons, 209; Hochelaga, 145; Royal, 180; Dominion, $238\frac{3}{4}$; Commerce, 153; Ottawa, $207\frac{1}{2}$; Nova Scotia, $238\frac{1}{4}$; Hamilton, 224. Sales of bank stocks have been trifling. Consols, 94. Berlin exchange on London, 20m., 41pf.; Paris, 25f. $14\frac{1}{2}$ c. Sterling exchange, 60's 9 1-16 to 9 3-16; demand, $9\frac{3}{4}$ to $9\frac{7}{8}$. Call money in New York has been ranging as high as 15 per cent. Local money rates, much as a week ago.

The following is a comparative table of stocks for week ending Jan. 2nd, supplied by Chas. Meredith & Co., Stock Brokers, Montreal:

Banks.	Shares sold.	Highst.	Lowst.	Average same date 1900.
Montreal	30	$258\frac{1}{2}$	$258\frac{1}{2}$	.....
Ontario	6	126	126	.....
Molsons	80	210	209	.....
Toronto	50	231	231	.....
Merchants	154	$151\frac{1}{2}$	$150\frac{1}{8}$	.....
Commerce	1	151	151	.....
Miscellaneous.				
Can. Pac. Ry.	1138	114	113	93
Mont. St.	1325	273	$265\frac{1}{4}$	$282\frac{5}{8}$
Toronto St.	254	116	115	111
Halifax St.	105	103	102	97
Twin City	2735	110	$108\frac{1}{4}$	70
Rich. & Ont.	450	111	110	$109\frac{3}{8}$
Com. Cable xd.	462	172	$167\frac{1}{2}$	$169\frac{1}{2}$
Mont. Tel.	337	175	175	$167\frac{1}{2}$
Bell Tel.	1	167	167	$171\frac{1}{2}$
Mont. Cotton	10	115	115	$137\frac{1}{2}$
Dom Cotton	150	$46\frac{1}{4}$	45	92
Payne	64000	30	25	64
Mont. Power.	575	$96\frac{1}{2}$	95	.....
Virtue	6000	25	$23\frac{1}{2}$	.....
North Star	14000	28	24	87

Bottle Washing Machinery



OUR NEW PATTERN "KINGSTON."

No. 2

22-dozen Half-pint Beers.

Fitted with Revolving Rinsers as shewn,

£27

with Bottle Sinker.

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

Machines from £10 to £40.

Original Inventor and Patentee.

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

Special estimates to Canadians under the New Tariff.

STOCKS AND BONDS.

NAME.	Par Val's.	Capital Subscribed.	Capital paid-up.	Rest.	Div. last 6 Ms	Dates of Dividends.	Per Cent. Price Jan. 2. (Bid)	Cash value per S.
British North Am.	243	4,366,666	4,366,666	1,703,833	3	Apl. Oct	128	311 04
Can. Bank of Commerce	50	8,000,000	8,000,000	2,000,000	3 1/2	June Dec	147	78 50
Commercial, Windsor	40	500,000	380,000	60,000	3	.....	105	42 00
Dominion	50	2,500,000	2,500,000	2,500,000	2 1/2	May	244	22 0
Eastern Townships	50	2,000,000	1,742,535	1,050,000	3 1/2	Jan July	150	75 00
Halifax Banking Co.	20	600,000	600,000	475,000	3 1/2	Feb. Aug	158	79 00
Hamilton	100	2,000,000	1,995,750	1,500,000	5	June Dec	205	205 00
Hochelaga	100	1,500,000	1,500,000	750,000	3 1/2	June Dec	152	152 00
Imperial	100	2,500,000	2,500,000	1,850,000	5	June Dec	229	229 00
Merchants' Can.	100	6,000,000	6,000,000	2,600,000	3 1/2	June Dec	150	150 00
Moisons	50	2,500,000	2,500,000	2,150,000	4	April Dec	209	164 50
Montreal	200	12,000,000	12,000,000	7,000,000	5	June Dec	258	516 00
Nationale	30	1,200,000	1,200,000	275,000	3	May Nov	95	28 50
New Brunswick	100	500,000	500,000	700,000	6	Jan July	300	300 00
Nova Scotia	100	2,000,000	2,000,000	2,582,840	4 1/2	Feb. Aug	232	232 00
Ontario	100	1,500,000	1,290,030	350,000	2 1/2	June Dec	128 1/2	128 50
Ottawa	100	1,994,900	2,000,000	1,765,000	4 & 1	June Dec	206	206 00
People's of N. B.	150	180,000	180,000	155,000	4	June Dec	155	155 00
Provincial	25	873,487	781,248	700,000	3	June Dec	122	122 00
Quebec	100	2,500,000	2,500,000	1,700,000	3 1/2	Feb. Aug	175	17 00
Royal	100	2,000,000	2,000,000	45,000	2 1/2	April Oct	.....	.....
St. Stephen's	100	200,000	200,000	750,000	5	April Oct	233	116 50
Standard	50	1,000,000	1,000,000	2,340,000	5	June Dec	229	229 00
Toronto	100	2,400,000	2,400,000	250,000	3	June Dec	112 1/2	112 25
Traders	100	1,350,100	1,344,420	505,606	3 1/2	Mch Sept	150	75 00
Union (Halifax)	50	800,000	800,000	550,000	3	June Dec	.....	.....
Union of Canada	100	2,000,000	2,000,000	184,000	3 1/2	Aprl Oct	.....	.....
Western	100	500,000	401,239	192,000	3	Jan July	.....	.....
Agri. Sav. and Loan Co.	50	630,200	630,200	800,000	4 1/2	Jan *	167	167 00
Bell Telephone Co.	100	5,000,000	5,000,000	130,000	2 1/2	Jan July	.....	.....
Brit. Can. Loan & Inv. Co.	100	1,987,900	398,481	130,000	3	Jan July	128	128 00
Brit. Mortg. Loan Co.	100	450,000	389,214	.....	3	Jan *	52 1/2	52 50
Can. Colored Cot. Mills Co.	100	2,700,000	2,700,000	350,000	3	Jan July	90	90 00
Can. Landed & Nat'l Inv't Co.	100	2,008,000	1,004,000	1,490,057	3	Jan July	115	57 50
Can. Per & W. Can. M. Corp'n.	10	5,951,350	5,951,350	250,000	3 1/2	Jan July	114	57 00
Can. Sav. & Loan Co.	50 & 7 1/2	750,000	750,000	450,000	2 1/2	Jan July	136	136 00
Central Can. Loan & Sav. Co.	100	2,500,000	1,250,000	30,000	.....	July Dec	72	36 00
Dominion Sav. and Inv. Co.	50	1,000,000	1,000,000	.....	1 1/2	Jan *	124	62 00
Dominion Telegraph Co.	100	3,333,600	3,333,600	356,750	6	Mar *	45	45 00
Dominion Cotton Mills Co.	100	1,500,000	1,100,000	.....	3	Jan July	112	112 00
Hamilton Prov. and Loan	100	2,000,000	200,000	200,000	3 1/2	Jan July	185	135 00
Home Sav. and Loan Co.	10	3,000,000	1,400,000	890,000	4 1/2	Jan July	179	89 50
Huron & Erie Loan & Sav. Co.	50	732,724	720,647	175,000	3	Jan July	70	70 00
Imperial Loan and Inv. Co.	100	700,000	700,000	210,000	3	Jan July	111	111 00
Landed Banking and Loan	100	1,000,000	877,267	87,500	3	Jan July	68	34 00
Land. & Can. Loan and Ag.	50	679,700	678,550	160,000	3	Jan July	110	50 00
London Loan Co.	100	1,500,000	375,000	50,000	2	Jan July	55	55 00
Manitoba & North-W. Ln Co	40	2,000,000	2,000,000	.....	2	Jan July	171 1/2	68 00
Montreal Telegraph Co.	40	3,000,000	2,998,640	560,318	5	April Oct	241	96 50
Montreal Gas Co.	50	5,000,000	4,500,000	600,000	2 1/2	Feb. *	272	136 00
Montreal Street Ry. Co.	100	1,400,000	1,400,000	.....	4	Mch. *	112	112 00
Montreal Cotton Co.	100	1,250,000	1,250,000	.....	4	Feb	95	95 00
Merchants Cot. Co.	100	500,000	500,000	380,000	3 1/2	Mch	127 1/2	34 37
Montreal Loan and Mortg.	25	486,800	314,386	150,000	3	Jan July	.....	.....
Ont. Indus. Loan and Inv.	100	2,000,000	1,200,000	585,000	3	Jan July	121 1/2	60 75
Ont. Loan and Deb. Co.	50	600,000	600,000	.....	3	Jan July	24	12 00
People's Loan and Dep. Co.	50	373,720	373,720	50,000	2	Jan July	70	35 00
Real Est. Loan Co.	40	2,088,000	2,088,000	161,355	3	May Nov	111	111 00
Richelleu and Ont. Nav. Co.	100	2,250,000	2,250,000	320,155	.....	Jan. *	240 1/2	240 50
The Royal Electric Co.	100	2,000,000	2,000,000	250,000	2 1/2	Jan. *	186	136 00
Toronto Electric Light Co.	100	1,445,860	724,540	.....	.....	Jan. *	78 1/2	76 50
Toronto Mortgage Co.	50	6,000,000	6,000,000	.....	.....	Jan. *	108	108 00
Toronto Street Railway	100	.....	.....	.....	.....	.....	112 1/2	312 50
Windsor Hotel	.....	.....	.....	.....	.....	.....	.....	.....

* Paying quarterly dividends

Dom. Coal, com. 7692	56	48 1/4	.....
Do. prof.	10	116 1/2	116 1/2
Dom. I. & S., com 4820	31	24 1/2	.....
Do. prof.	1236	82 1/2	79 1/2
Bonds.			
Com. Cable.	1000	99	99 101
Dom. Coal	2000	111	110 1/2
Dom. I. & S.	174000	82	80 1/2
Winnipeg Elec.	4000	109 3/4	109 1/2

MONTREAL CLEARING HOUSE.

For week ending 2 Jan., 1902, clearings, \$15,254,545; balances, \$2,263,710. Total clearings for 1901, \$889,000,000, an increase of \$159,000,000.

Ottawa Clearing House, for week ending 2 Jan.: Clearings, \$1,390,404; balances, \$319,236.

BRAZILIAN EXCHANGE.

For week ending Dec. 31st, 1901.

Dec. 24	12	5-16d
28	12	9-16d
30	12	7-16d
31	12	15-32d

MONTREAL WHOLESALE

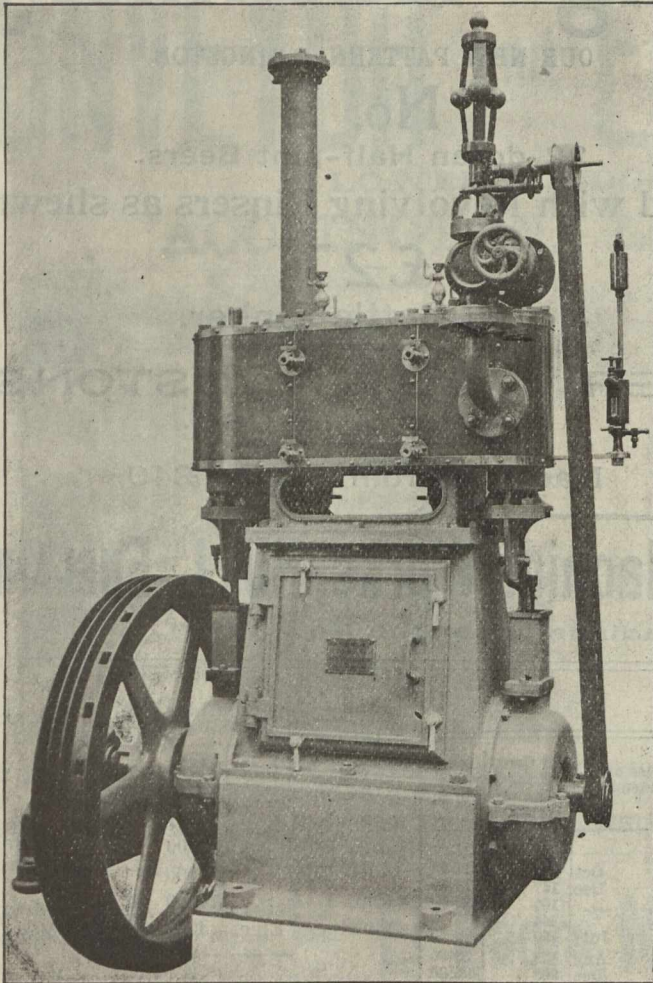
MARKETS.

Friday, Jan. 3rd, 1902.

The holiday week, while permitting of the maximum amount of trade, was largely given over to retail counters, wholesale business being devoid of activity, assisted in some degree by the absence of many hands. Sugars have advanced 10c per 100 lbs. Linseed oils have declined 4c per gallon. Cheese is in good demand for export while butter is rather dull. In leather there is no real movement. Hardware is correspondingly quiet.

BUTTER.

The market is showing a quiet and somewhat easier feeling, largely accounted for through the holiday season and not much life is looked for before the turn of the week coming. In the absence of the general volume of business the market shows very little change. Trade is mostly in a jobbing way for local purposes,



These Engines are manufactured
from 3 horse to 50 horse power
under the new Canadian Pre-
ferential Tariff by —————

BENJ^N GOODFELLOW,

Limited.

HYDE, nr. MANCHESTER,
ENGLAND.

with a scarcity of fair autumn-made goods. Choicest qualities of October creamery are commanding 21c to 21½c, with winter makes selling at 19½c to 20c. Dairy butter is more plentiful with supply in excess of re-

quirements, giving buyers the advantage of the market. Finest Western is offering at 16¾c to 17c.

CHEESE.

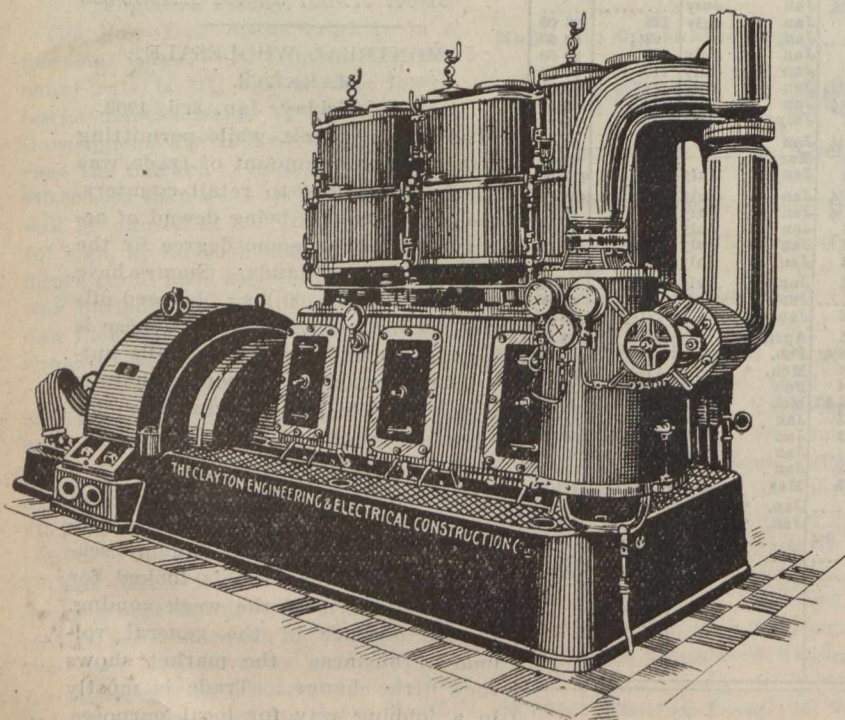
The feeling is decidedly on the firm side with a nice trade passing. Quite

a few export orders are coming in and there is no difficulty in placing finest September make at 10c, with October make commanding ¼c more.

DRESSED POULTRY.

The market was very bare of stock

The CLAYTON ENGINEERING & ELECTRICAL CONSTRUCTION COMPANY, Limited.



HEAD OFFICE AND ENGINE WORKS :

Newton Hyde, near Manchester, Eng.

ELECTRICAL WORKS :

Clayton, near Manchester, Eng.

Telegraphic Address : "DYNAMO, HYDE."

Telephone : No. 62, HYDE.

DIRECT-COUPLED.....

High-Speed Plants

for

Traction or Lighting.

BROWETT, LINDLEY & CO., LTD.

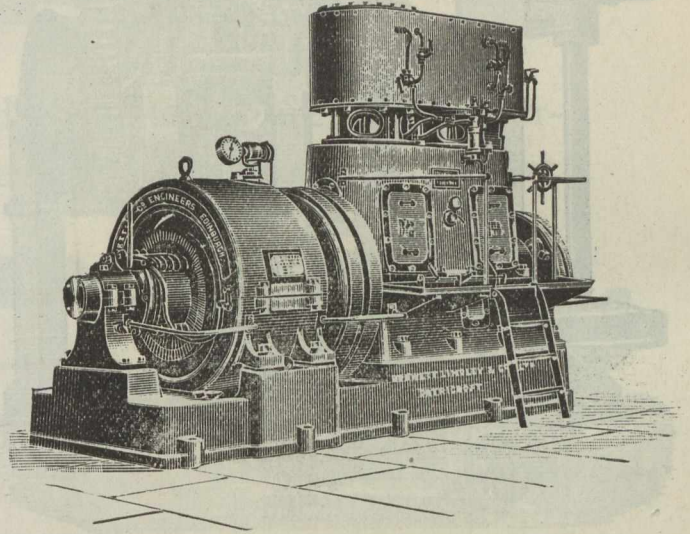
Patricroft, Manchester England.

Manufacturers of High-Speed,
Enclosed Type,

STEAM ENGINES

For Driving Dynamos Direct

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



SOUND & RELIABLE BRITISH MANUFACTURE.

during the whole week. For fresh killed receipts high prices were made, with sales of turkeys at 10½c to 11c lb.; geese are worth 7c lb.; ducks, 9c; chickens, 8c to 9c; fowls, 6c to 7c lb.

There is still a large lot of old, discolored stock dragging from Thanksgiving Day. For this holders are willing to accept any price but find difficulty in placing as the trade will only take bright fresh-killed stock.

DRUGS.

Quinine remains about same price as quoted in past two weeks, although the bark offered at the recent auction in large quantities and the price was supposed to decline. Makers

WILLIAM BODDEN & SON, Limited.

Spindle and Flyer Manufacturers.

Steel Spindles and Flyers and Ring Spindles of all kinds

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

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



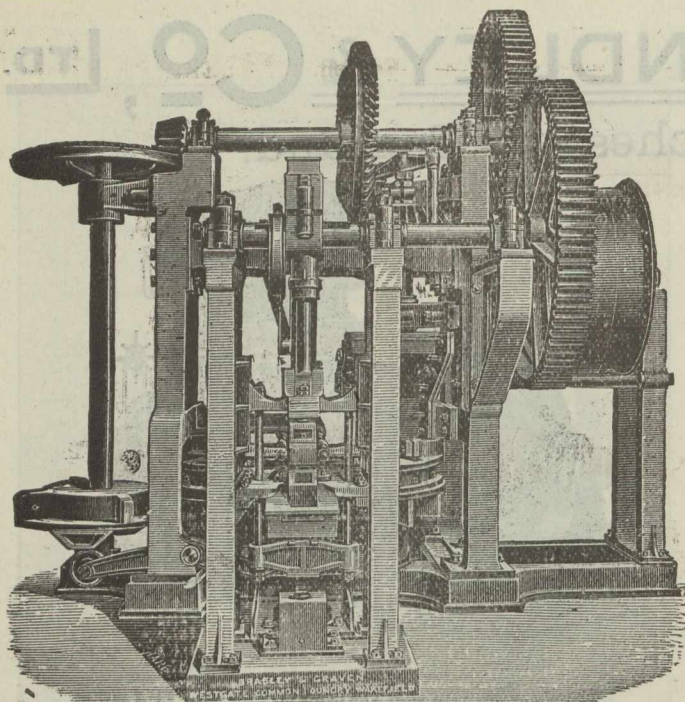
SPINNING
and
DOUBLING RINGS.

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

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

Hargreaves Works, - - Oldham, England.

SPECIAL PRICES TO CANADIANS UNDER THE NEW TARIFF.



Craven's Patent Brick Moulding and Dressing Machines.

BRICK MACHINERY

For Working all kinds of Clay.

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

Double the Strength of any other Machines in the Market.

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

Bradley & Craven,
LIMITED

Westgate Common Foundry, WAKEFIELD, Eng.

Manufactured for the Canadian Market, under the new Preferential Tariff, 33 1/4 per cent. in favor of English Goods.

of camphor have advanced prices slightly, and higher prices are looked for here. The combination on pot. iodide has been continued until the end of the present year. Peppermint oil is very firm. Holders are waiting for top prices. Much higher prices are looked for. A New York report states that there will be an actual shortage before the end of the season.

EGGS.

Receipts are much larger. Supplies of old eggs have increased and the market is more liberally supplied. There is, altogether, a decidedly easier feeling. There are also larger arrivals of new laid and advices report increased production. Sales are reported up to 30c. Held cold storage stock offers at 18c to 22c; limed, 16c to 17c and No. 2, 14c to 14 1/2c. The

unsettled, depressed condition of the U.S. egg market has a tendency to lower prices here before long unless severe weather sets in to check production.

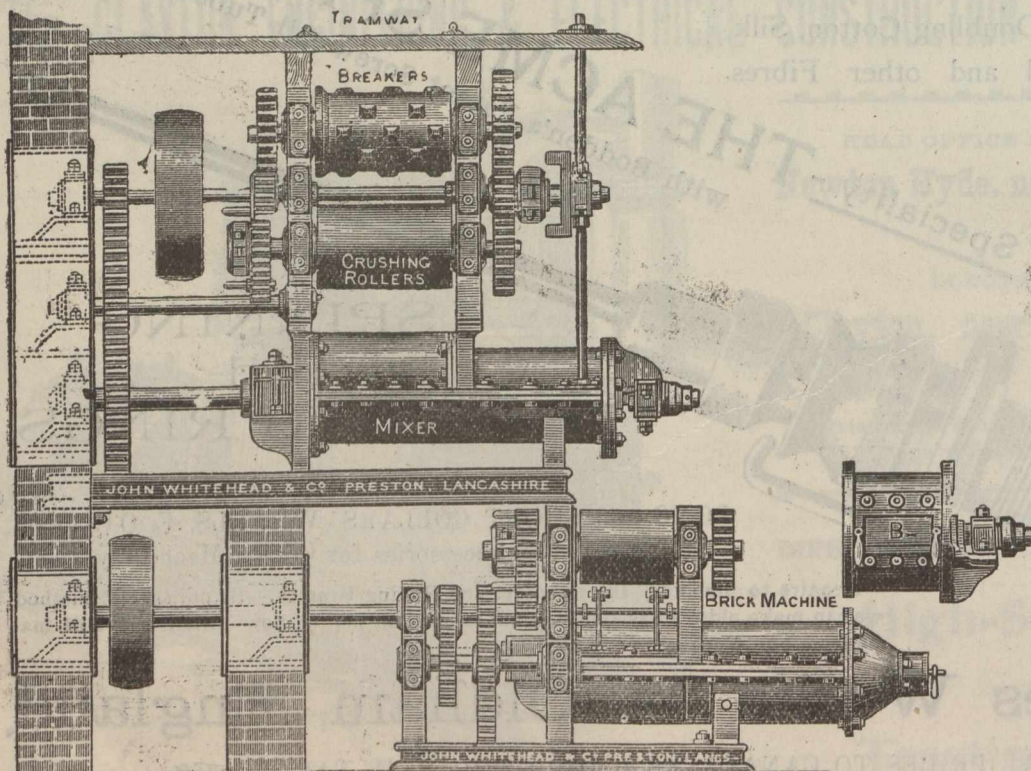
FLOUR AND FEED.

Prices are not changed from last week. The heavy demand for feed which existed for some months has abated, its continuance thus far not being anticipated by millers who could scarcely account for its proportions. However, dealers appear to have got finally "filled up" and while millers will have plenty to do on past orders, they are rather pleased at the turn trade has taken. Flour is in fair demand.

GREEN FRUITS, ETC.

The wholesale trade experienced a decidedly satisfactory holiday trade,

for while prices of some articles were exceptionally high they were taken and re-sold with a freedom that told of easy money and an all-round desire for "the good things of this world" at least during the festive season. Prices remain practically unchanged. Apples are gradually dwindling down to the winter varieties for which \$4 appears to be the minimum price. Evaporated apples are scarce at 10c to 10 1/2c per lb. Liverpool cables tell of plenty winter apples arriving on the English markets, but demand is good and prices hold firm at the following basis: Greenings, 22s to 22s 6d; Baldwin, 20s to 23s 6d; Spies, 17s to 23s; Russets 18s 6d to 23s 6d; Kings, 22s to 25s; seconds, 3s less. Local quotations are: Apples, brls., \$3.50 to \$5.50; California Val. oranges, \$4 to \$5; Cali-



Telegraphic address :—
"Brictile, Preston."
A. B. C. Code, 4th Edition.

John Whitehead & Co.,
LIMITED.

Albert Works,
PRESTON, ENGLAND.

Brickmaking Plant

"The Manchester."

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

ESTABLISHED 1870.

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

PEPPER

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

GRINDERS.

Charles Johnson & Co.,

VICTORIA
MILLS,

Liverpool, England.

Special Prices to Canadians under the New Tariff

fornia navel oranges, \$3.50 to \$4; Jamaica oranges, 4.75 brl.; do. in boxes, \$3.25; Florida oranges, \$4.00 per box; Jamaica grape fruit, \$4.00 per box; lemons, 360s, \$2.85; do. 300s, \$3.00 to \$3.25; chests of lemons, \$5.50; bananas, eight-hands, \$1.00 to \$1.35; No. 1 do., \$1.75 to \$2.25; extras, \$2.50; new figs, mats, 3½c per lb.; do. boxes, 8c to 12c per lb.; new dates, 4¼c to 4¾c per lb.; nuts, Pecans, extra large, 16½c; sweet potatoes, brls., \$4.25; small crates of Spanish onions, \$1.10; Cape Cod cranberries, \$8.50 to \$10; Magaga grapes, per keg, \$5.50 to \$7.00; pines, 15c to 25c each; extra pines, 45c do.; Columbia pears, \$3.00 per box; Catawba grapes, 25c per basket; Cal. celery, 7 to 12 doz. crate, \$5.00.

GREEN HIDES.

The week has been uneventful. The expected advance in lambskins did not take place, receivers here declaring that wool is too low to admit of it. Beef hides remain steady at 7½c, 6½c and 5½c for Nos. 1, 2 and 3. In the New York market city slaughter hides were quiet. Buyers held off awaiting offerings of January. The tone held steady, there being no pressure from packers to move supplies; prices quoted were 13¼c to 13½c for native steers, 12¼c for butt brands and 12c for side brands. Country hides were quiet. At the Paris auction sale heavy hides sold at 10 per cent. decline in prices. The Antwerp auction sale will be held on Jan. 3rd. Chicago, Dec. 31.—Prices were quoted unchanged and steady at 13¾c to 14c or native steers, 13¾c for heavy Texas, 12½c for butt brands, 12¼c for Colorado, 12c for heavy native cows and 10¼c for branded ditto. Country hides were quiet, with No. 1 buffs quoted at 9¼c.

GROCERIES.

The record low price on sugars was not of long duration, and a rise of

10c all round on the 27th ult., in face of sufficient evidence to warrant values going down instead of up, only proved that it is generally well to pick up an article when it is really low regardless of the possibility that it may decline further. Granulated is now worth \$4 for freight delivery, with other white sugars and yellows in proportion as per list on another page. Raw—London cable advices reported a firmer market for beet sugar, prices showing an advance of ¾ to 1½d, with December delivery at 6s 6¾d and January at 6s 7½d; cane was dull and without change. New York quotations were 3½c, 3 5-32c and 2 29-32c for the three standard grades. The belief appears to be general in New York refined sugar circles that all refiners will discontinue their special rebate of 1 per cent. and this has a tendency to stimulate business to some extent. Despite the flat condition of the market for raw sugar some of the trade state that they would not be surprised to see a further advance in list prices of 10 points. The Canadian Cannery Syndicate raised prices on canned tomatoes 2½c a doz., which makes the price now 87½c Montreal basis. The scarcity and high prices for tomatoes in the U.S. markets may be seen from the following New York report: "An exceptionally firm market is reported for tomatoes both on the spot and at primary points. The lowest figure now quoted on 3s Southern pack, is \$1.20 net f.o.b. country, with \$1.25 asked by one holder in a wire from Baltimore on the 31st. The feeling is one of firmness and confidence in the future of the market. We hear of business, in California pack for forward delivery, 2½-lb. being reported sold at 85c f.o.b. the Coast. In spot 2s, Southern pack is held around \$1 but an unconfirmed report notes a sale at 97½c.

Spot Jersey 3s are quoted at \$1.30 up and gallons at from \$3.40 to \$3.50." The remarkable movement in the tomato market from almost the lowest point ever touched in the history of the business to the highest prices reached during the last eight or ten years has been the greatest surprise of the season. The basis for the advance is the small stocks and light offerings everywhere, and also the further fact that there are no large speculative holdings which may be thrown on the market. A cable from Greece quoted the market there for currants on the parity of 5½c cost to lay down in New York. Dates are very firm. Mail advices from London report that prices on dates are steadily advancing, and will probably go much higher owing to the strong statistical position of the article. On December 1 there was a stock of 25,000 boxes of Hallowee and Khadrawee dates of the 1900 crop and 50,000 boxes of Hallowee, Khadrawee and Sair dates of the 1900 crop, or a total of 75,000 boxes of old. The total importations of new crop figures up to 400,000 boxes, making the supply 475,000 boxes. Stock on December 1 in London was 243,000 boxes, which with imports per Marestan of 40,000 boxes, brings the total up to 272,000 boxes. The estimated distribution during December is 100,000 boxes, leaving stock on January 1 172,000 boxes, compared with a total of 300,000 boxes on January 1 last year. The advices state: "Of the estimated stock on January 1 only about 112,000 boxes are new crop and available to supply the normal demand of the next eleven months, say about 250,000 boxes. No further importations are likely nor is the market overloaded with dates in mats and skins as it was last year, and which seriously interfered with the sale of boxes. The stock of old

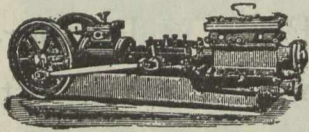
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Telephone: "No. 20, ST. HELENS."

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



SOAP, OIL, AND TAR SPECIAL PUMPS.

SOAP PANS, TANKS,
With all Fittings.

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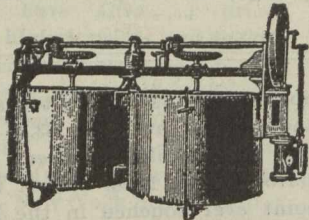
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The Best
in the Market.

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Machines.

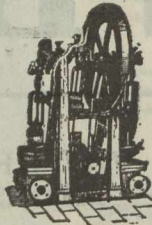
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Machines with Dies.

GLYCERINE PLANT,
With Fire or Steam Evaporation.



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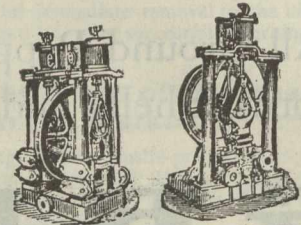
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COMPLETE PLANTS
CHEMICAL**
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BRASS AND IRON CASTINGS
OF EVERY DESCRIPTION.

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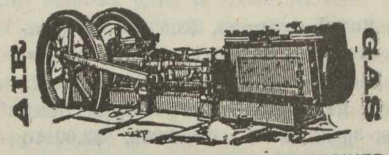
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AIR COMPRESSORS & BLOWING ENGINES.

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Chemical Plant

PRICES AND PARTICULARS ON APPLICATION.

Special Prices to Canadians under the new Tariff

dates is strongly held at from 2s to 3s above to-day's current prices, and it would therefore seem that a rise of at least 5s per cwt. must take place in new crop dates." A New York dispatch of 2nd inst. says: A private cable from Greece to-day quoted the equivalent of 5½c on currants laid down here. Bids of 5½c on the spot for interior account were turned down to-day on a considerable quantity, holders showing firmness at 5½c for fine fruit in barrels. Cables from the other side report an advancing market on genuine Chabert walnuts, with stocks in strong control.

IRON AND HARDWARE.

The holiday season naturally caused trade in the heavy metals and hardware to shrink to the narrowest margin. Most retail dealers are stocked up till the spring and are only sending in sorting orders as their lines become broken and the travellers are mostly in town for the holidays. In the United States the situation in both iron and steel is most satisfactory. The only weakening feature is the difficulty experienced in making deliveries, as a result of the insufficient supply of freight cars. Such demand for pig iron as exists at the present time is for stock to cover immediate or early future wants,

EXTRACT OF INDIGO. REDUCED INDIGO.

J. W. EASTBURN,

Raglan Chemical Works:

HALIFAX, ENGLAND.

Special prices to Canadians under the new Canadian Tariff.

many of the larger consumers having already provided for their presumable, requirements for three to six months to come. The tone of the market is very firm, but the disposition to advance prices is held in check by the attitude of the larger handlers of iron. Copper continues weak on reports that the trust are cutting values in Europe in order to reduce their stocks.

OILS, CHEMICALS, PAINTS.

Linseed oils have dropped 4c per gallon, making raw 74c to 75c and boiled 77c to 78c, as to quantity Turpentine holds steady at 58c. Paints are

dull and unchanged. A meeting of the White Lead Association will be held at Montreal to-day (Friday) but nothing has been gleaned of what may result. Latest advices report indigo as holding firm.

PROVISIONS.

The holidays came and went without a change being made in values in these articles. Within the last 24 hours fresh killed hogs have become firmer and are in good sale to-day at \$8.50 per 100 lbs. for light medium, and \$7.75 to \$8 for heavy. Quotations beyond these figures are reported on the street, but were not verified. Smoked and slated meats are in fair demand. Quotations are: Selected heavy Canada short cut mess pork, \$22 to \$22.50; heavy Canada short cut mess pork, \$21 to \$21.50; Canada short cut back pork, \$21 to \$21.50; heavy Canada mess pork, long cut, \$21 to \$21.50; heavy Canada short cut, clear pork, \$21 to \$21.50; light Canada short cut, clear pork, \$20.50 to \$21; pure Canadian lard, in 20-lb. pails, 11¼c; compound refined lard, in wood pails, 20-lb., 8½c; Boar's Head brand, in 20 lb. wood pails, \$1.95 to \$2.00, and Globe at \$1.72½ to \$1.80; 20 lb. tin pails, ¼c per lb. less; hams, 13c to 14c; and bacon, 15c per lb.

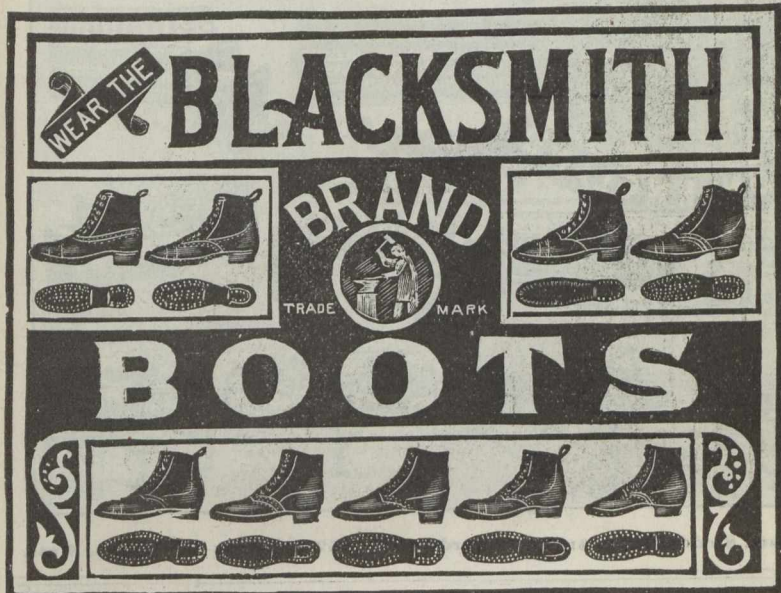
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Of Strong and Medium

Men's,
Women's
and
Children's

BOOTS

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Wood-Pegged,
or Rivetted.



WARRANTED
ALL
LEATHER.

BRAMLEY, LEEDS,
ENGLAND.

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, JANUARY 2, 1902.

Name of Article.	Wholesale
Drugs & Chemicals	
Acid Carbolic Cryst medl.	\$ c. \$ c.
Aloes, Cape.	0 35 0 40
Alum	0 16 0 18
Borax, xtls.	1 40 1 75
Brom. Potass	0 05 0 07
Brom. Potass	0 70 0 80
Camphor. Ref Rings	0 00 0 80
" Ref oz. ck.	0 80 0 85
Citric Acid	0 40 0 45
Citrate Magnesia lb.	0 25 0 45
Cocaine Hyd. (oz)	6 50 7 00
Copperas, per 100 lbs	0 75 0 80
Cream Tartar	0 20 0 25
Epsom Salts	1 25 1 75
Glycerine	0 16 0 20
Gum Arabic per lb.	0 20 0 40
" Trag.	0 50 1 00
Insect Powder lb.	0 25 0 40
do per keg, lb.	0 22 0 30
Menthol, lb	5 00 5 50
Morphia	1 65 1 75
Oil Peppermint lb.	2 75 2 50
Oil Lemon.	1 25 1 50
Opium	4 00 4 25
Oxalic Acid.	0 07 0 10
Phosphorus	0 50 0 75
Potash Bichromate.	0 08 0 10
Potash Iodide.	3 00 3 40
Quinine	0 35 0 45
Strychnine	0 65 0 80
Tartaric Acid.	0 30 0 35
Licorice.—	
Stick, 4, 6, 8, 12, & 16 to lb., 5 lb. boxes.	2 00 0 00
Acme Licorice Pellets, cans.	2 00 0 00
Licorice Lozenges, 1 5 lb. cans.	1 50 0 00
Heavy Chemicals.	
Bleaching Powder.	2 50 3 00
Blue Vitriol.	5 50 7 50
Brimstone.	2 00 2 50
Caustic Soda 60.	2 25 2 50
" " 70.	2 50 2 75
Soda Ash.	1 25 1 50
Soda Bicarb.	1 75 2 25
Sal. Soda.	0 75 0 85
" Concentrated	1 50 2 00
Dyestuffs.	
Archil. con.	0 27 0 29
Utch.	0 06 0 09
Wz. Logwood.	0 09 0 12

WOOL.

There are no conditions warranting comment. The intervening holidays appeared to draw existence from an already dull market, but the tone is firmer the last couple of days in keeping with the strong statistical position in the United States and Europe.

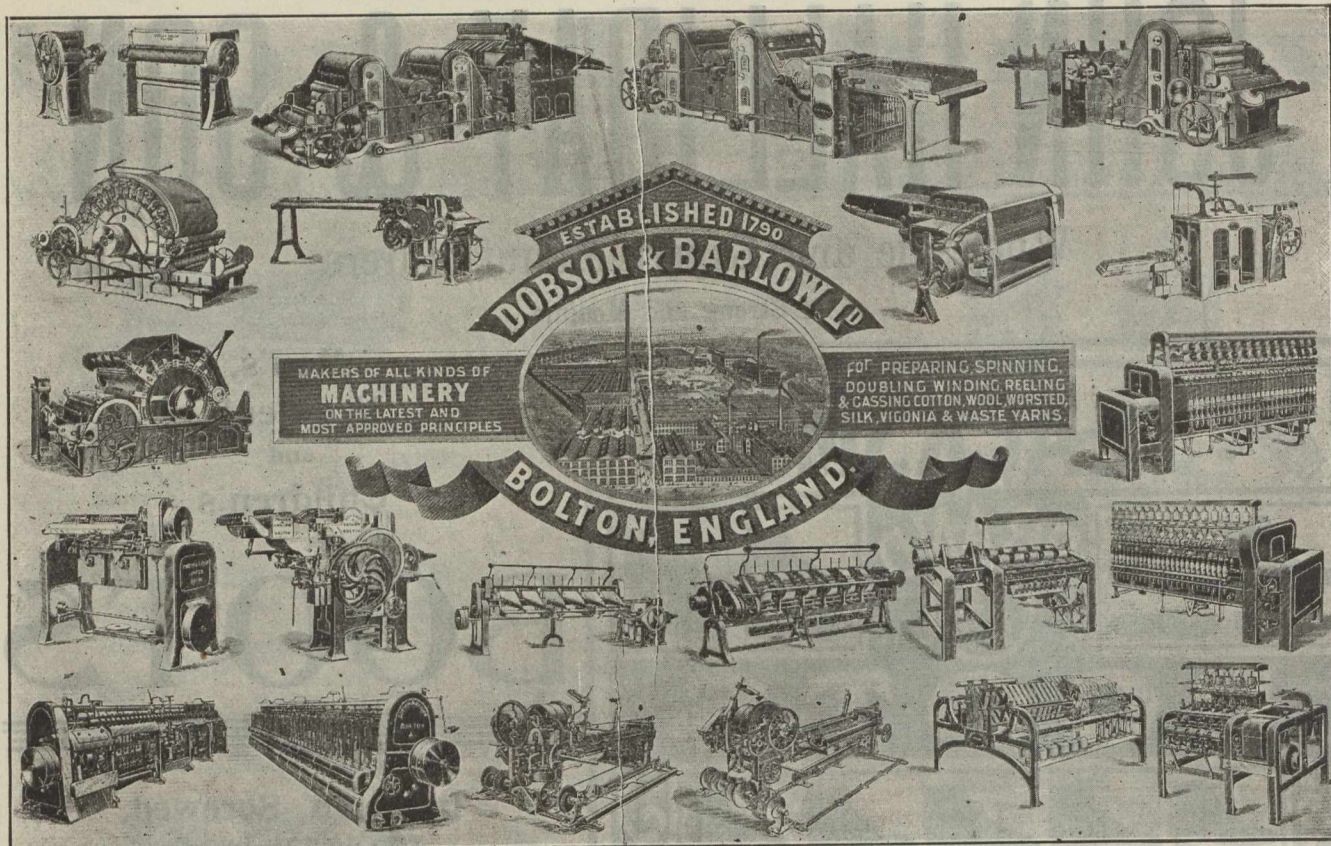
—The new city directory gives London, Ont., a population of 45,937. The census figures make it 37,000.

—Letter carriers have appointed a deputation to wait on Hon. Mr. Mullock, to recall his promise on the eve of his departure for Australia, in reference to increasing pay of the carriers. The question will be brought up again in the House of Commons.

—We all consume a considerable quantity of drugs every day without being aware of the fact. So at least we gather from the report of the committee on preservatives and coloring matter, who estimate that very nearly 50 per cent. of the food products sold contain chemicals to preserve them from decay or to improve their appearance. Many of these chemicals are harmless, but others are not so, and the committee has issued a list of drugs that should be absolutely prohibited. Formalin, which is a potent substance used chiefly for pre-

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, JANUARY 2, 1902.

Name of Article.	Wholesale.
Chip Logwood.	
Chip Logwood.	\$ c. \$ c.
Indigo (Bengal)	1 75 2 50
Indigo Madras.	0 70 1 00
Gambjer.	0 08 0 08 1/2
Madder.	0 09 0 2
Sumac.	60 00 65 00
Tin Crystals.	0 25 0 30
Fish.	
Bloaters, per box	1 00 1 25
Labrador Herrings, N.F.	0 00 0 00
Herrings, Nova Scotia.	0 00 5 50
Mackerel No. 2, brls.	0 00 12 50
" " 1/2 barrel.	6 00 6 50
Green Cod, No. 1	0 00 5 50
Green " large	0 00 6 50
No. 2	0 00 4 50
Large dry Gaspe per qntl.	5 00 5 25 1/2
Salmon, brls Lab.	11 50 14 00
Salmon, (half brls)	0 00 7 00
" Brit. 50l brls.	11 50 12 00
Boneless Fish	0 04 0 05
" Cod	0 05 0 06
Skinless Cod, case.	4 50 4 75
N. S. Salt Herrings, in half-barrels	0 00 3 00
Salt Lake Trout, half-brls.	0 00 0 00
Salt Whitefish.	0 00 0 00
Loch Fyne Herrings, keg	1 10 1 15 1/2
Flour.	
Winter Wheat patents	4 00 4 10
Manitoba patents	0 00 4 30
Straight roller	3 65 3 80
do bags.	1 75 1 80
Strong Bakers.	0 10 4 00
Superfine	0 00 0 00
Rolled Oats.	5 40 5 50
Corn meal, bag.	0 00 1 50
Bran bulk.	20 00 21 00
Shorts.	22 00 24 00
Moullie.	24 00 27 00
Farm Products.	
BUTTER: Choicest Cr.	0 21 0 21 1/2
Winter makes do.	0 19 0 20
Townships Dairy.	0 00 0 00
2nd Grade "	0 00 0 00
Western "	0 16 0 17
Good to choice.	0 14 0 15
Fresh Rolls.	0 16 0 17



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

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, JANUARY 2, 1902

Name of Article.	Wholesale	
	\$ c.	\$ c.
Farm Products.—Con.		
CHEESE:		
Finest, col'd.	0 00	0 10½
White, do	0 08½	0 10
Inferior.	0 00	0 00
Eggs: New shipped	0 00	0 30
Sel. fall.	0 25	0 27
Straight fall.	0 20	0 23
Limed.	0 15	0 17
No. 2.	0 13	0 15
Hops: N. Y. State, per lb.	0 14	0 15
Pacific Coast,	0 14	0 14½
Canadian	0 12½	0 19
German	0 23	0 35
English	0 30	0 00
British Columbia	0 18	0 26
Hoe Products:		
Bacon, smoked, per lb.	0 14	0 15
Hams, city cured,	0 12½	0 14½
Pork Ca. s.c. per bbl.	20 50	21 00
do mess.	21 00	22 50
Dressed Hogs, light.	8 50	9 00
“ heavy	7 75	8 00
Lard, per lb Can pure.	0 11½	0 11½
“ Com. Refined	0 07½	0 08
BURDENES:—		
Potatoes, per bag	0 80	0 90
Honey, White Clov., Comb.	0 10	0 11½
“ Extracted.	0 06½	0 06½
Beeswax.	0 25	0 30
BEANS: prime	1 35	1 40
do. Best hand-picked	0 00	1 45
Groceries.		
Canned Goods:		
Lobsters, ½ to 1 lb.	1 75	3 25
Sardines, ½	7 00	17 00
Canadian Sardines	3 75	4 00
Mackerel	1 00	1 10
Salmon, 4 doz. case	3 80	5 00
Clams, 1-lb tins, per	0 90	1 00
Oysters “	1 15	1 40
Tomatoes, 3s. per doz.	0 87½	0 95
Peaches, 2-lb.	1 85	1 80
“ 3-lb.	2 25	2 50
Pears, 2-lb. tins, per doz.	1 50	1 80
Strawberries, Pres'd 2s	0 00	1 65
Raspberries 2s.	1 45	1 60
Pineapples, 3-lb tin, p. doz.	2 30	2 40
Gooseberries Pres. 2s.	0 00	1 50
Gr'n Gages, 2-lb. tins, p. d.	1 30	1 50
Blue Plums, 2 lbs	1 00	1 10
Corn, 2 lb. tins	0 80	0 85
Peas, 2-lb tins	0 82½	0 90
String Beans	0 80	0 85
Sugars: Factory.		
Ex Granulated, brls.	0 00	4 00
Acadia gran'd	0 00	3 95
Ex Ground, in brls.	0 00	4 75
“ “ in bxs.	0 00	4 95
Powdered, in brls.	0 00	4 50
“ boxes	0 00	4 85
Paris Lumps, in brls.	0 00	4 75
“ “ 1/2 half brls.	0 00	4 85
“ “ 100-lb bxs.	0 00	4 75
“ “ 50-lb bxs.	0 00	4 85
Branded Yellows	3 45	3 80

... serving milk, should be absolutely prohibited; salicylic acid should not only be permitted in very small quantities. Only a small amount of boric acid should be allowed in cream and butter. No preservatives whatever should be allowed in foods intended for invalids and infants. Copper salts for greening preserved vegetables should be prohibited, and, finally, a court of reference should be established to adjudicate on the food offered for public consumption.

JAMES NEEDHAM.

The combination specialty tool chest and tools manufactured by the above at the City Oak Works, Sheffield, England, are a happy blend of what constitutes at once a necessity and the preservation of that necessity from loss and damage through the mysterious causes accounted for only in a superficial way by every user of carpenters' tools. In the vicinity of Hamilton, Ont., there lives a farmer who likes to tell a little circumstance about an inch-and-a-half auger which bored its way down to him from the realms of his predecessors. He was a lover of tools, this man, but above all he liked this auger. The neighbors found this farmer a handy man to have around, because whenever they wanted any tool, from a shoemaker's sewing awl to a stone lifter, all they had to do was to go over and ask for it. If the owner was absent they simply went to his repair room and helped themselves. Their honesty, however, was generally at par with their freedom, and after a while there were as many people coming with returned goods as there were to bor-

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, JANUARY 2, 1902.

Name of Article.	Wholesale	
	\$ c.	\$ c.
Molasses (Barbados)	0 31½	0 32½
do brls. & ½s.	0 31½	0 32½
Evaporated Apples	0 00	0 10
Raisins:		
Sultanas	0 09	0 10
Loose Musc. Malaga	0 08½	0 12
Layers, London	0 00	1 50
Con. Cluster	0 00	2 00
Extra Dessert	0 00	2 75
Royal Bucking'm	0 00	3 25
Valencia	0 05	0 06
“ Selected	0 06	0 08½
“ Layers	0 05½	0 07
Currants, Provincials	0 09	0 05
Filiatras	0 00	0 06
Patras	0 00	0 00
Vostizzas	0 00	0 07
Fruses, Cal.	0 07	0 09½
do French	0 04	0 05
Figs in bags	0 03½	0 00
“ new layers	0 08	0 13
Baking Soda, 112 lb. keg.	0 00	1 70
Spices: Cassia, mats	0 12	0 15
Mace, chests	0 90	1 30
Cloves	0 15	0 16
Nutmegs	0 35	0 10
Jamaica ginger, bl.	0 08	0 15
“ unbl.	0 07	0 14
African	0 08	0 10
Pimento	0 10	0 12
Pepper, Black	0 17	0 19
“ White	0 25	0 27
Mustard, 4 lb jar, Eng.	0 72	0 75
“ 1 lb	0 23	0 25½
Rice, C. C.		
standard B.	0 00	3 00
“ Patna, 100 lb.	4 12½	4 62½
“ Burmah	4 00	4 10
“ Crystal Japan	5 00	5 10
“ Carolina, 100 lb.	6 60	7 60
Pot Barley, bag 98 lbs	0 00	2 20
Pearl “ per lb.	0 03	0 05
Taploca, Pearl	0 00	0 04½
“ Flake	0 00	0 05
Gelatine, 1 qt pk.	1 10	0 00
“ 1½ qt pk.	1 75	0 00
Vinegar: less 10 p.c. dis.		
Imp Trip	0 33	0 00
Cote D'or	0 28	0 00
Crystal Pickling	0 23	0 00
W. W. XXX	0 35	0 00
W. W. XX	0 30	0 00
W. W. X	0 17	0 00
Pure Malt	0 45	0 00
Cider X.	0 17	0 00
“ XXX	0 27	0 00
Hardware.		
Antimony	0 09½	0 10
7/16" Block, L & F, # D.	0 00	0 30
“ Straits	0 00	0 00
“ Strip	0 00	0 31
Copper: Ingot	0 00	0 00
CUT NAIL SCHEDULE.		
Base Price, per Keg, car lots	2 45	0 00
Less quantity	2 55	0 00
Extras—Over and above 30d, 40d, 50d, 60d and 70d Nails.		

Telegraphic Address:—Musgrave, Bolton, England.

JOHN MUSGRAVE & SONS,

LIMITED,

Globe Iron Works,

BOLTON, England.

Makers of all classes of
BOILERS,

Up to 300 lbs. pressure
per square inch.

Musgrave's Patent
SUPERHEATERS.

Horizontal and Vertical ENGINES

Of Designs to Suit Purchasers for

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

Over....

70,000

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

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, JANUARY 2, 1902.

Name of Article.	Wholesale.
Terne Plate IC, 20x24	8 00 8 25
Russ. Sheet Iron	0 10 0 00
Lion & Crown tin'd sh'ts.	0 50 7 50
22 and 24 guage case lots	0 00 7 75
26 guage	3 25 3 35
Lead: Pig, per 100 lbs;	0 00 0 04
Sheet	0 00 6 50
Shot, 100 lb., less 17 1/2 p.c.	7 00 0 00
Lead Pipe, per 100 lbs.	less 30 p.c.
Zinc:	
Spelter, per 100 lbs.	0 00 4 75
Sheet, Zinc "	5 75 6 00
Black Sheet Iron.	
Per 100 lbs.	
8 to 16 guage	2 65 0 00
16 to 20 do	2 50 0 00
22 to 24 do	2 65 0 00
26 do	2 80 0 00
28 do	2 85 0 00
Wires:	
Plain galv'd, No. 5	3 95 0 00
do do No. 6, 7, 8	3 45 0 00
do do No. 9	2 80 0 00
do do No. 10	3 55 0 00
do do No. 11	3 65 0 00
do do No. 12	2 95 0 00
do do No. 13	3 05 0 00
do do No. 14	4 05 0 00
do do No. 15	4 55 0 00
do do No. 16	4 80 0 00
Barbed Wire—	3 00 f o.b.
Spring Wire per 100, 1.00.	Montreal.
net extra.	
Iron and Steel Wire pl'n	
6 to 9	2 80 base.
Rope.	
Sisal, base	0 00
" 7-16 and up	0 12
" 1/2 "	0 12
" 5-16 "	0 12 1/2
" 1/2 "	0 13
" 3-16 "	0 12 1/2
Manilla, 7-16 & lkr.	0 15 1/2
" 1/2 "	0 16
" 5-16 "	0 16 1/2
" 1/2 "	0 16 1/2
" 3-16 "	0 17
Lath yarn	0 11
Wire Nails.	
Base Price carload	2 77 1/2
Less than	2 85
2d extra	1 00
2d f "	1 00
3d "	0 65
4d and 5d "	0 40
6d and 7d "	0 30
8d and 9d "	0 15
10d and 12d "	0 10
16d and 20d "	0 05
30d to 60d "	Base
Building Paper.	
Tarred felt, per 100 lbs.	1 70 0 00
2 ply, Ready R'f'g., roll	0 80 0 00
3 "	1 05 0 00

We refer our readers to the advertisement on another page, and request that they write to the above address for a catalogue and price list. Special terms to Canadians under the new tariff.

ALEXANDER OLDHAM & SONS.

To say that this firm's reputation and manufactures are well known throughout Europe is to lay claim to a fact which must be already apparent on that continent to all whose business brings them into contact with makers of improved weldless spiral springs, patent pistons, air pump buckets, mechanical continuous lubricators, steam traps, etc. The firm of Alexander Oldham & Sons, whose works are at Dukinfield, near Manchester, Eng., are desirous of acquainting the Canadian trade with the efficiency of their manufactures, the improved methods they employ in the making of their Patent Weldless Steel Coil Pistons and Air-Pump Buckets for marine engines, stationary engines, locomotive engines, gas engines, steam hammers, steam cranes, steam winches, motor cars, &c. These pistons are admirably adapted for sea-going steamers, as they never get out of order are perfectly self-adjusting, and, having a revolving tendency, always keep the cylinder true. Over 1,700 steamers, British and foreign, are now fitted with Alexander Oldham & Sons' patent weldless steel coil pistons. Important—These pistons are self-adjusting, and do not require setting out like other makes. The only makers of the patent weldless steel coil spring with vertical action, up to any diameter, that is turned, bored, and cut in the lathe; a point that is most essential in giving the rings a perfectly true bearing surface. The

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, JANUARY 2, 1902.

Name of Article	Wholesale.
Hides and Tallow.	
Montreal Green Hides	
" No. 1	0 07 1/2 0 00
" No. 2	0 06 1/2 0 00
" No. 3	0 05 1/2 0 00
Tanners pay \$1 extra for sorted cured & inspect'd Sheepskins	0 00 0 00
Clips	0 00 0 00
Lambskins each	0 00 0 60
Calfskins, No. 1	0 00 0 08
" No. 2	0 00 0 06
Horsehides	1 50 2 00
Leather	
No. 1 B. A. Sole	0 27 0 25
No. 2 B. A. Sole	0 25 0 25
No. 3 B. A. Spanish Sole	0 24 0 25
Slaughter, No. 1	0 28 0 29
light medium & heavy	0 28 0 29
" No. 2	0 26 0 27
Harness	0 26 0 32
Upper, heavy	0 34 0 36
Upper, light	0 35 0 37
Grained Upper	0 34 0 35
Scotch Grain	0 35 0 38
Kip Skins, French	0 60 0 65
English	0 45 0 55
Canada Kip	0 50 0 60
Hemlock Calf	0 50 0 70
" Light	0 50 0 60
French Calf	0 85 1 10
Splits, light and medium	0 22 0 25
" heavy	0 17 0 20
" small	0 18 0 20
Leather Board, Canada	0 66 0 10
Enameled Cow, per ft.	0 16 0 18
Pebble Grain	0 12 0 14
Glove Grain	0 12 0 13
B. Calf	0 15 0 20
Brush (Cow) Kid	0 11 0 13
Buff	0 13 0 16
Russets, light	0 35 0 40
" heavy	0 25 0 30
" No. 2	0 35 0 40
" Saddlers' doz.	7 50 9 00
Imt. French Calf	0 65 0 75
English Oak lb	0 30 0 35
Dongola, extra	0 35 0 42
" No. 1	0 30 0 22
" ordinary	0 14 0 16
Colored Pebbles	0 13 0 16
" Calf	0 16 0 22
Oils	
Cod Oil	0 35 0 40
S. R. Pale Seal	0 50 0 55
Straw Seal	0 40 0 50
Cod Liver Oil, Nfd. Norw	
Process	0 85 1 00
" Norwegian	0 95 1 10
Castor Oil	0 09 1/2 0 10
Castor Oil brls.	0 00 0 09 1/2
Lard Oil, Extra	0 75 0 85
" "	0 65 0 75
Linseed, raw, nett.	0 74 0 75
" boiled, nett	0 77 0 78
Olive, pure	1 05 1 15
Extra, qt., per case	0 00 3 70
Turpentine, nett	0 57 0 58
Petroleum:	
Benzine	0 20 0 30
Gasoline	0 19 0 20
Silver Star	0 14 1/2 0 15 1/2

"THE
TOFFEE
MILLS."

John Mackintosh, Ltd.,

HALIFAX, ENGLAND.

Mackintosh's Extra Cream TOFFEE

HAS THE LARGES SALE
IN THE WORLD.

Special price to Canadians under the New Tariff
Agents wanted through Canada, apply at once to the Makers

JOHN MACKINTOSH, LTD.,

HALIFAX,
ENGLAND



ISN'T IT DELICIOUS?
It's Mackintosh's
Extra Cream Toffee "

"The
Toffee
Mills."

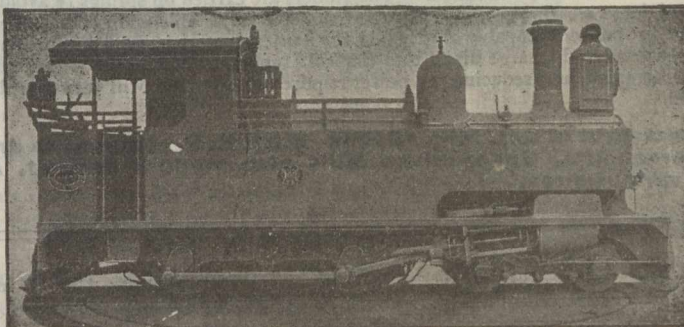
MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, JANUARY 2, 1902.

Name of Article.	Wholesale.	
	\$ c.	\$ c.
Imperial Acme	0 16	0 17
American W. W.	0 18	0 19
Astral	0 19	0 20
Glass.		
United inches, 00 to 25	0 00	2 10
do 26 to 40	0 00	2 20
do 41 to 50	0 00	4 70
do 51 to 60	0 00	4 95
Paints, &c.		
Lead pure 50 to 100 lb. ags.	0 00	6 00
do No. 1	0 00	5 62½
do No. 2	0 00	5 25
do No. 3	0 00	4 87½
do No. 4	0 00	4 75
White Lead dry	5 50	5 50
Red Lead	5 00	5 50
Venetian Red Eng'h	1 75	2 00
Yel. Ochre, French	1 50	3 25
Whiting, ordinary	0 45	0 50
do Gilders	0 60	0 70
do Paris, do	0 85	1 00
English Cement, cask	2 25	2 35
Belgian do	1 70	1 95
German do	2 30	2 50
American do	2 25	2 50
Fire Bricks per 1000	16 00	22 00
Fire Clay	1 50	1 75
Rosin	2 75	4 50
Glue:—		
Domestic Broken Sheet	0 13	0 15
French Casks	0 11½	0 13
do brls.	0 00	0 14
American White, brls.	0 16	0 20
Coopers' Glue	0 21	0 26
Golden Ochre	0 04	0 74
Brunswick Green	0 04	0 40
French Imperial Green	0 12	0 16
Genuine Quicksilver	0 90	0 95
No. 1 Furnit'e Varn'h, pr.gl.	0 65	0 70
do do	0 75	1 00
do do	0 60	0 75
Brown Japan	0 50	0 75
Black Japan	2 00	2 25
Orange Shellac, No. 1	2 25	2 75
do do Pure	2 75	3 00
White do	0 00	2 00
Patty Bulk 100 lb. brl.	0 18½	0 19½
Parisgreen in drum 1 lb pk.	0 18	0 19
Wool.		
Canadian Washed	0 12	0 13
North West	0 13	0 15
Unwashed	0 08	0 00
Pulled, combing	0 00	0 00
do super	0 00	0 00
do extra	0 00	0 21
B. A. Scoured	0 25	0 33
Natal	0 16	0 16½
Cape, greasy	0 13	0 15
Chillan	0 11	0 13
Australian greasy	0 16	0 20

principle of these pistons gives equable and great elasticity both in the horizontal and vertical tension with the least possible friction, yielding to any reasonable irregularity of the cylinder. A 30 in. diameter piston will expand one inch in the diameter, move with the greatest ease and with less friction than any other, and still re-

THE
Hunslet Engine Company,
LEEDS, Eng.

Telegrams: "ENGINE, LEEDS."



**Locomotive
Tank Engines**

of all descriptions
and any size, for

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

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

**Arrangements
Made for Hire.**
On Purchasing Lease
or otherwise.

Special prices to Canadians under the New Canadian Tariff.

main steam-tight during any part of the stroke, and with the vertical tension keep all parts firmly in their place without any rattle or noise.—from 200 to 300 of Alexander Oldham & Sons' patent weldless steel coils, rings, etc. from 2 inches to 120 inches diameter, are kept in stock for immediate delivery. Re-boring cylinders without removal and without extra stoppage, and valve facings planed without removal and without extra stoppage by special machinery. Alexander Oldham & Sons' patent weldless steel coil spring solid block piston.—These patent block pistons are now very extensively used, and are highly recommended by experienced engineers, especially for large cylinders, as they are very much lighter than any other make of piston, and consequently do not wear out so soon as ordinary pistons. They are, in the end, for large cylinders the cheapest and most durable. Makers of the patent pistons from 2 in. to 120 in. diameter on the shortest potice. References given to first-class marine and stationary engineering firms who

have used this piston since it was first patented. Piston and packings sent on approval to any part of Great Britain. A trial solicited. Original testimonials can be seen on application.—Alexander Oldham & Sons' patent weldless steel coil spring loose cover piston. The principle of these pistons gives equable and great elasticity both in the horizontal and vertical tension with the least possible friction, yielding to any reasonable irregularity of the cylinder. A 30 in. diameter piston will expand one inch in the diameter, move with the greatest ease and less friction than any other and still remain steam-tight during any part of the stroke, and with the vertical tension keep all parts firmly in their places, without any rattle or noise. Circulars stating the size of coils and rings and prices, can be had on application. Alexander Oldham & Sons' patent improved ramsbottom high-speed pistons.—These pistons are specially constructed for gas engines, steam winches, steam cranes, locomotives, steam hammers, and all very high speeds; are extensively used for

PATENT BRICK MACHINERY

Telegraphic Address:
"CAMBRIAN, LEEDS."

PULLAN & MANN,

(Successors to THOMAS TITLEY.)

ENGINEERS,

Cambrian Works, Elland Road, Leeds, Eng.

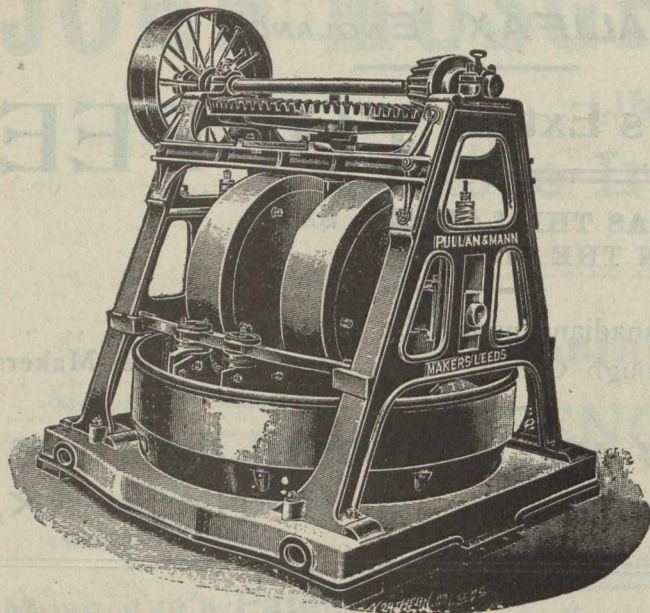
MAKERS OF

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

Complete Catalogue on application.

Special prices to Canadians under the New Canadian
Tariff, 33 1/3 p.c., off Tariff in favour of English
Manufacturers.

IMPROVED PERFORATED GRINDING MILL.



Special Advantages.

Compactness and rigidity of construction, enabling the Mills to run at a high rate of speed, thus greatly increasing their grinding capacity. Small power to drive. Small wear and tear. Gearing overhead out of dust. All wearing parts accessible and renewable. Large Gate Area. Made with open base, to discharge direct into Elevator Well, thus saving wear and tear of scrapers and considerable driving power

These Mills are used for grinding all kinds of dry clay, shale, marl, &c., also cement and other hard materials. They are made in several sizes with Rollers and Grates arranged to suit the various materials required to grind. The Rollers are made of hard, tough metal, running on a renewable False Bottom of the same hardness. The Rollers are carried on springs to avoid excessive bumping. All shafts are steel, running in gun-metal bearings of large wearing surfaces, and the footstep is adjustable and easily accessible. The whole forms a rigid and massive self-contained Mill of ample proportions, capable of grinding the hardest materials, with a minimum of power and wear and tear. The illustration shows the Mill with an open base to discharge direct into Conical Hopper, built into the foundation leading to the Elevator Well, thus dispensing with the wear and tear of scrapers, and reducing the power required to drive the Mill very considerably. We also make the Mill with the usual Metal Receiver if preferred.

Approximate weight of 9-ft. Mill. 13 tons. Eight H. P. required to drive. CAPACITY:—Clay for 20,000 bricks per day or thereabouts. Under-driven Mills also made if desired. Also Solid-Bottom Mills for Wet Grinding and Mixing in various sizes.

balance pistons in marine engines, and are acknowledged by all who have used them to be the best and most economical extant. These patent block pistons are now very extensively used, and are highly recommended by experienced engineers, are specially suitable for steam hammers, etc., and are well worthy of attention for durability and real cheapness. These pistons are specially constructed for gas engines, steam winches, steam cranes, locomotives, small steam hammers, and all very high speeds. The piston block is made of cast-iron, wrought iron, steel, brass, or phosphor bronze, and is turned to the diameter of the cylinder and grooved spirally upon its edge with any number of grooves to receive a spiral spring ring having a corresponding number of coils, the ends of the spring ring overlapping each other. Re-boring cylinders and air-pump barrels in their places by specially constructed machinery, without removal and extra stoppage. Valve facings planed in their places by specially constructed machinery. Alexander Oldham & Sons' patent air-pump bucket, fitted with their patent weldless steel coil spring, gun metal, brass or phosphor bronze outside rings, india-rubber delivery valve, or brass lids. This patent air-pump bucket is a great improvement over the ordinary air-pump bucket, being made without bolts, and having a much larger water space. When cir-

ulation is troublesome the patent weldless steel coil springs can be coppered, if desired. Cold water bucket for deep lifts, fitted with Alexander Oldham & Sons' patent spiral spring ring. The patent spiral spring ring is made of steel, brass, gun metal, phosphor bronze, cast iron, etc., as desired. Alexander Oldham & Sons' specially constructed steam saving safety double and single stop bits supersede all others for preventing any steam passing the rings, which is of very great importance. We give prompt attention to all orders entrusted to us. Over 1,000,000 inches of pistons, piston packings, and patent weldless steel coil springs sold by Alexander Oldham & Sons. All kinds of pistons and air pump buckets supplied. Send for illustrated catalogue, price list and special terms under new Canadian tariff to Messrs. Alexander Oldham & Sons, Engineering Works, Dukinfield, England.

MACLURE BROS.

This firm, situated at 60 Victoria street, Liverpool, have an advertisement on page 82 for a Swiss Milk Chocolate, manufactured by Tobler & Co., of Berne Switzerland. Maclure Bros. have the sole agency for this chocolate for Great Britain and the British colonies.

The Chocolate known as Swiss Milk Chocolate came into great demand in the U.K. some 5 years ago and is now the favourite sweet or candy of the British public, and it has only got to be energetically introduced into Canada, to gain an equal popularity there. We are assured by Messrs. Tobler & Co. that their chocolate is made from pure cocoa, fresh milk obtained from their own cows, their machinery is of the latest and best makes, and the power is electric. The beautiful smoothness of their chocolate is not to be found in those of German or French makes, it is only obtained after five days' and five nights unceasing grinding. All Canadians visiting the beautiful Swiss lakes and grand mountains should pay a visit to the works of Messrs. Tobler & Co., at Berne, where they will find much to interest them, while the care, cleanliness and intelligence of the workers are sure to call forth praise from the visitor.

Messrs. Maclure Bros., Tobler's agents, are export and import merchants and are in exceptionally good position to act as buyers in the U.K. for any kind of candy wanted in Canada, firms wanting goods or prices and samples of candy manufactured by the best British houses should send all their enquiries through Maclure Bros. We believe Maclure Bros. are the largest importers of American candy in the North of England, and

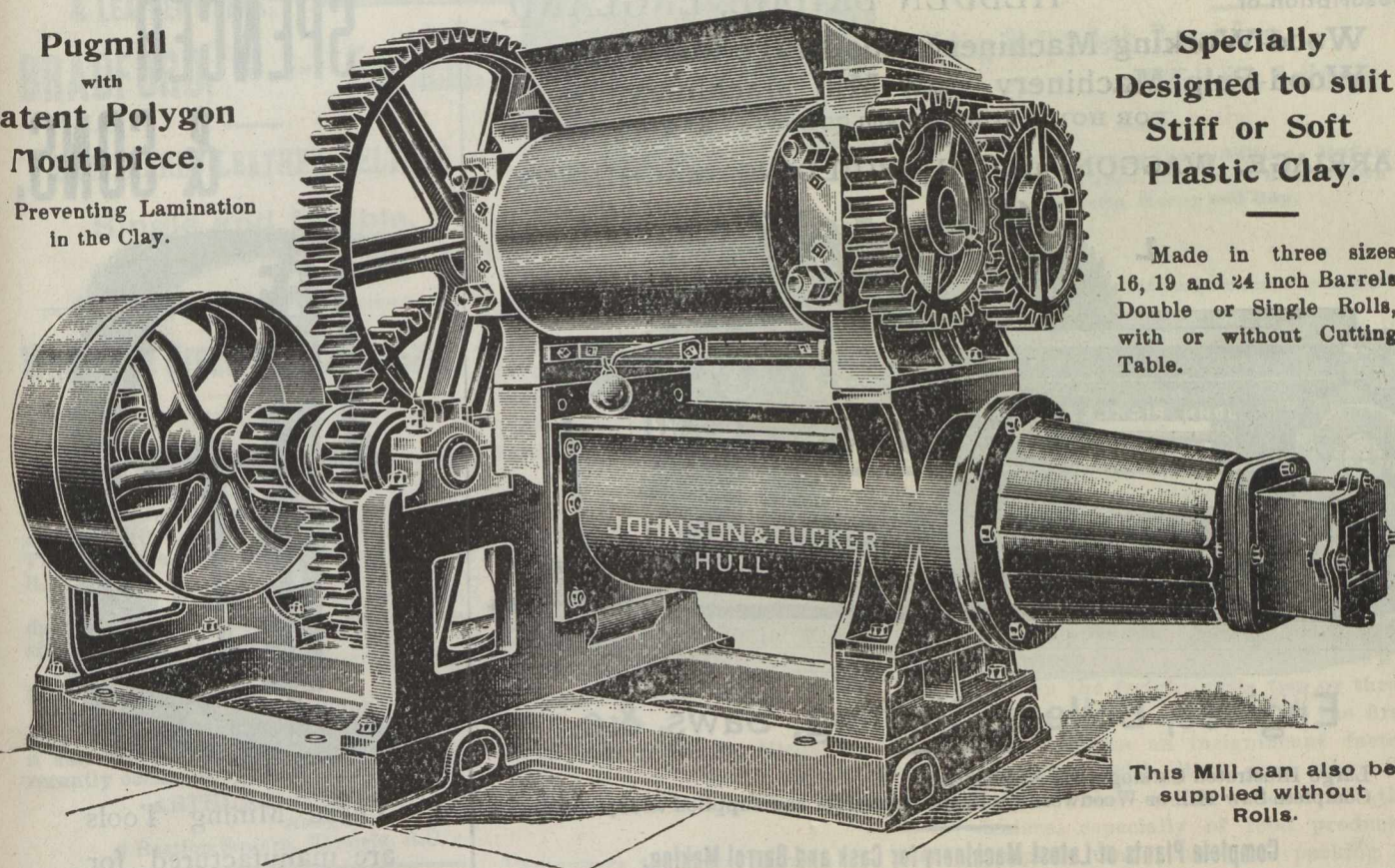
Johnson & Tucker

Wilmington,
Hull, England.

(Late SHEPHERD, HILL & Co.,

Pugmill
with
Patent Polygon
Mouthpiece.

For Preventing Lamination
in the Clay.



Specially
Designed to suit
Stiff or Soft
Plastic Clay.

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

This Mill can also be
supplied without
Rolls.

they inform us that they would gladly handle Canadian sweets in preference to American.

Maclure Bros. are agents for Californian fruit packers and salmon packers, and are well able to push to advantage any Canadian canned produce, meats, fruits peas, etc., but they will only correspond with firms not already represented on the other side. We know the firm to be thoroughly energetic, and we would advise any manufacturer of Canadian produce, to accept their offer, and put their goods before them for sale.

MATTHIAS SPENCER & SONS.

On another page will be seen the advertisement of the above firm who are desirous of acquainting the Canadian trade with the extent of their output, the facilities they possess for the prompt execution of all orders and the reputation they have upheld for many years as producers of the finest steel and tempered tools. This firm make a specialty of mining tools, of which so large an amount are now being needed in Canada, and which requirements will be steadily increasing as new mining districts will be found and developed. The firm of Matthias Spencer & Sons do not pose as champions of low price productions but rather bend their energies to the development of their large business on the safer principle of high-grade goods

guaranteed to give genuine satisfaction wherever used. This firm will be pleased to send illustrated catalogues free giving detailed illustrations of their great variety of tools, comprising all the files, rasps, etc., many being of new and unique design, possessing durability not heretofore found in such goods. The special lines of xylonite and silver-plated table cutlery have gained a wide reputation in European countries through their perfectness of finish, durability and comparative low cost. On this one line the firm have gained scores of customers through which subsequent business in their regular lines has been greatly developed. The trade will find it of special advantage to become acquainted with the details of this firm's productions; for all handlers of mining tools, files and rasps, table cutlery, etc., desire to sell the best goods furnished when these goods are on the lines of durability and efficiency combined with a minimum of cost. Write for illustrated catalogue and price list and special terms under new Canadian tariff to Matthias Spencer & Sons, Albion Steel Works, Sheffield, England.

PROGRESS OF DAWSON CITY.

The greatest volume of freight ever brought into Dawson in a single season was that landed during the season of navigation for the summer of 1901.

The year of 1900 was this season outstripped by 4,483 tons. These figures are compiled from the books of the Dawson Customs Office.

The statements as compiled show that the cargo received during the season of 1901 by the two routes was divided as follows:

	Tons.
By upper river	22,597
By lower river	13,930
Total	36,527

The shipments to Dawson by the two routes last season, 1900, were as follows:

	Tons.
Upper river	20,417
Lower river	11,627
Total	32,044

By comparison of the two foregoing tables, says a Dawson letter, it is seen that both routes made gains. The upper river route gained 2,597 tons, and the lower river 2,303 tons.

Of the upper river traffic from 500 to 1,000 tons was coal from the Five Fingers Mines, and 3,000 tons is allowed as cargo brought down in scows. The remainder was cargo from the coast, brought down by steamers from White Horse.

Of the lower river cargo between 3,000 and 4000 tons is represented in coal from the Slate Creek coal mines, near Eagle,

JOHN PICKLES & SON,

Saw-Mill Engineers and Wood-Working Machinists,

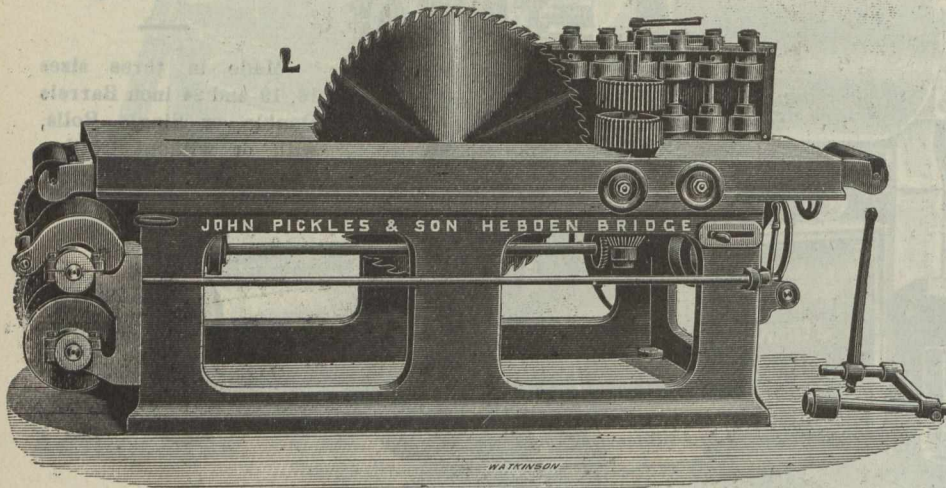
Makers of Every Description of

HEBDEN BRIDGE, ENGLAND.

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

FOR HOME, FOREIGN and COLONIAL REQUIREMENTS.

CARRIAGE, WAGGON and SHIPBUILDING MACHINERY.

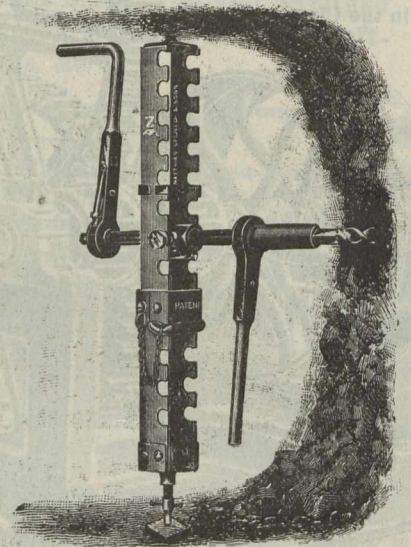


Engines, Boilers, Shafting, Saws, &c.

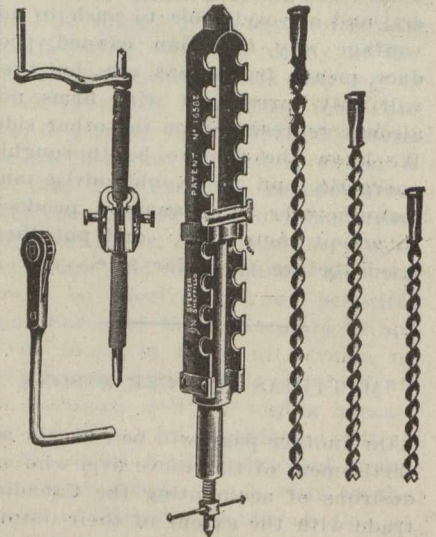
Large Illustrated Catalogue on Application.
Complete Saw Mill or Woodworking Plants quoted for and supplied to any country.

Complete Plants of Latest Machinery for Cask and Barrel Making.

MATTHIAS, SPENCER & SONS,



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



Ratchet Handle charged extra.

Albion
Steel
Works,

SHEFFIELD, ENGLAND.

The duties paid for the season, the number of packages coming by postage, and entries for duties, all show increases over last year. In fact, the business done this season since the end of the fiscal year, June 30, 1901, has been almost, if not quite, as heavy as the business done in the same lines during the whole of the last fiscal year.

The freight coming into Dawson this year has also comprised more goods of Canadian manufacture than ever before. It is estimated that 60 per cent. of the freight of all classes this year was Canadian. No segregated statement is compiled of the amount of Canadian goods and American goods received, so an estimate is the best to be obtained without waiting until the final statistical compilations are issued from Ottawa.

Passengers leaving Dawson this season, as shown by the steamer manifests, numbered 4,706 more than those coming in. Perhaps, 550 came in by small boats from up the river, and half as many of these went down the river in small boats. Nevertheless, it might be said that in round numbers, 4,000 more have gone on than have come in. Many of these belonged to the fall exodus of people going out to spend the winter and return over the ice late in the spring, or by the first steamers next year. A cut-rate war on out-bound boats prevailed all the fall, so the Yukon is not to be put down as having lost 4,000 people. The

majority, if not more, will likely return.

Passenger business on the lower river this season may be summarized as follows:

From St. Michael and way points.	725
For St. Michael and way points..	809
Total	1,534

Passenger traffic on the upper river is summarized for the season as follows:

From White Horse and way points	3,101
For White Horse and way points	7,727
Total	10,828

Steamer arrivals from White Horse and way points this season were 60. Departures for White Horse and way points, 235.

Steamer arrivals from St. Michael and way points this season were 60. Departures for St. Michael and way points, 62.

For the fiscal year ending June 30, 1901, the receipts of the Dawson Customs Office on duties were \$405,066. This does not by any means represent all the duties collected on goods coming to Dawson. Many are collected at White Horse, Victoria, and Vancouver.

For the fiscal year ending June 30, 1901, 1,000 postal packages arrived at

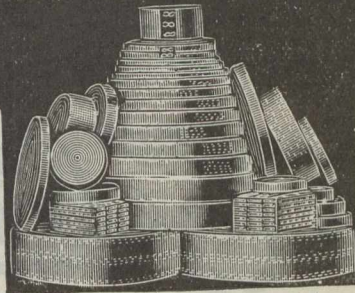
Established 1857.

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

LEATHER BELTING

SINGLE AND DOUBLE
LEATHER BELTING

SPECIALITY
EXTRA STOUT
OAK-TANNED



LEATHER-LINK

OR
CHAIN BELTING.

For Electric and Heavy Driving

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

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

OAK-TANNED LEATHER BELTING.

Single and Double.

Special Rates to Canadians under the New Tariff.

Wholesale Grocery Stock for Sale.

VICTORIA, BRITISH COLUMBIA.

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

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

The highest or any tender not necessarily accepted.

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

ARTHUR ROBERTSON,

Assignee,

6 Bastion Square, Victoria, B.C.

WANTED—Active and energetic business man, with practical office and road experience, possessing several thousand dollars capital, desires to associate himself with an established wholesale firm (manufacturing preferred), which requires enlarging. Correspondence strictly confidential. Address R, 2100, Star Office, Montreal.

Dawson through the post-office. For the four months since June 30 last, 1,203 arrived, a big increase.

Express packages entered the last fiscal year numbered 227, and for the four months since then, 226.

Entries made for duties for the last fiscal year were 2,368, and since the end of the last fiscal year to the last of October, 2,273.

The recapitulation of traffic to and from Dawson on the Yukon last year, 1900, which may be of value in comparison with the statements in the foregoing, follows:

	Tons.
Cargo from St. Michael	11,627
Cargo from White Horse	20,417
Total	32,044
Passengers from White Horse by steamer	4,064
Passengers from White Horse by barge	3,000
Passengers from St. Michael .	1,406
Total	8,470
Passengers to White Horse ...	5,465
Passengers to St. Michael ...	1,518
Small boats to Nome, etc. ..	3,000
Total	9,983

The freight rates from Vancouver to Dawson range from seven to twenty-one cents per pound, according to class. Striking the average at fourteen cents per pound, we obtain the enormous sum of \$8,400,000 (eight million four hundred thousand), a fairly accurate estimate of the total freight receipts of the various companies engaged in Yukon transportation for the past season. According to this estimate, the freight charges exceed the first cost of the goods by one million, and the figures are, if anything, un-

derrated. Freight began to come in from the upper river early in June. The lower river boats were unusually late in arriving this year, and discharged their first freight at the Dawson port only a few days before the 1st of August. Allotment of total freight may be estimated at about one-third from the lower river (via St. Michael), and two-thirds from the upper river (via the White Pass Railway and British Yukon Navigation Company).

When the freight costs two or three times the price of the goods, the first cost becomes an insignificant factor compared with the cost when it reaches the dealer. Some of the dealers, especially of food products, complain that Canadian packing is frequently careless. Canadian butter has lost custom in the past for this reason; some of the Canadian fruits also. Canadian cream is at present largely in favour, and Canadian butter is regaining ground. Several Vancouver companies send agents into Dawson at the opening of navigation to take individual orders for winter food supplies, which are forwarded before river navigation closes, at outside prices, plus the freight charges. Checking one such order from the Hudson Bay Company, it was found that Canadian towns have contributed their product. The smoked beef is from Montreal; canned chicken and turkey, canned peas and tomatoes from Strathroy; chicken soup and can-

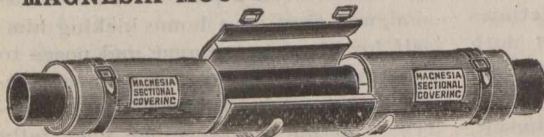
Established 1879.

John Thompson & Co.,

MANUFACTURERS OF

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

MAGNESIA MOULDED PIPE SECTIONS.



Dealers in
Red and
Black
Varnish.

Thousands of References and Testimonials on Application.

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

Supplied to Canadians under the New Tariff.

Telegraphic Address: "STANDARD WIRE, SOWERBY BRIDGE."

The STANDARD WIRE COMPANY, Limited,

MANUFACTURERS OF

- Patent Plough Steel Rope Wire.
- Patent Mild Plough Steel Rope Wire,
- Patent Steel Rope Wire,
- Galvanised Hawser Wire to Lloyds' Tests.
- Galvanised Cable Wire, Bright and Annealed Wire.
- Bright and Annealed Core Wire,
- Galvanised Mild Steel Rigging Wire,
- Soft Steel Screw Wire, Tinned Mattress Wire.

SOWERBY BRIDGE,
ENGLAND.

ALSO AT
DARLINGTON.

MILK CHOCOLATE.

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



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

J. TOBLER, BERNE SUISSE

MAISON FONDÉE EN 1845

Etiquette déposée

Also in CROQUETTES, BUNDLES, &c.

MACLURE BROS.,

60 Victoria Street,
LIVERPOOL, Eng.

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

ned raspberries from Aylmer; beets from Simcoe; strawberries from Picton; flour and rolled oats from Winnipeg; cream and butter from Ingersoll; bacon from Chicago; cheese from Perth. The Canadian Northwest should supply the entire Yukon butter market with a first-class article at a reasonable price; our cream and cheese should also be entirely Canadian products.

During the past summer cold storage plants have been placed on the route from Vancouver to Dawson, so that there is no reason why all perishable produce should not be shipped through in first-class condition. Up to the present, the Department of Agriculture has no resident representative in the Yukon territory. Indications are that the Yukon will soon be in a position to raise sufficient vegetables for the needs of its population. There have been some half dozen market gardens in operation in the immediate vicinity of Dawson during the past summer, where all the principle vegetables have been raised with much success. And this autumn, for the first time, in the history of the Klondyke, there are stocked in warm-storage, turnips, cabbages, carrots, cauliflowers, parsnips, etc. of native growth, sufficient in quantity to supply Dawson's needs for several months. At several places up the river ranchers have placed land under cultivation in hay, oats, and clover, all of which have come to satisfactory maturity.

LIFE INSURANCE A DUTY.

Why is it that a man who will voluntarily protect himself against the

STOCKS AND BONDS—INSURANCE COMPANIES—CANADIAN.—Montreal Quotations Dec. 16, 1901.

NAME OF COMPANY.	No. Shares.	Last Dividend per year.	Share par value.	Amount paid per Share.	Canada quotations per ct.
British American Fire and Marine.....	15,000	3½-6mos.	350	\$50	103½
Canada Life.....	2,500	5-6mos.	400	50	....
Confederation Life.....	10,000	7½ 6mos.	100	10	....
Western Assurance.....	25,000	5-6mos.	40	20	100½
Guarantee Co. of North America.....	13,372	6	50	50	....

BRITISH AND FOREIGN.—Quotations on the London Market, Dec 7, 1901. Market value p. p'd up sh.

Company	Capital	Rate	Dividend	Market Value	Canada Quotation
Alliance Assur.....	250,000	2s. p.s.	20	2 1-5	9¾
Atlas.....	24,000	24 p.s.	50	6	10¾
British and Foreign Marine.....	67,000	25	20	4	\$28
Caledonian.....	21,500	12s. p.s.	25	5	18¾
Commercial U. Fire, Life and Marine.....	50,000	27½	50	5	19½
Guardian Fire and Life.....	200,000	9	10	5	36 1-1
Imperial Fire.....	60,000	25	20	5	44
Lancashire Fire.....	136,493	5	20	2	45
Lion Fire.....	100,000	3	20	2	27
London and Lancashire Fire.....	85,100	22	25	2½	3½
London Assurance Corporation.....	35,862	20	25	12½	3¾
London & Lancashire Life.....	10,000	10	10	2	44
Liv. & Lon. & Globe Fire and Life.....	391,752	20	20	2	27
Northern Fire and Life.....	30,000	*22½	100	10	38
North Brit. & Merc. Fire and Life.....	110,000	30s. p.s.	25	6¾	48
Norwich Union Fire.....	11,000	*33¾	100	12	74
Phoenix Fire.....	53,776	35	50	5	36
Royal Insurance Fire and Life.....	125,224	55¾	20	5	102
Sun Fire.....	240,000	\$6 p.s.	10	10	\$36¾
Union.....	45,000	18 p.s.	10	4	\$37¾

*Excluding periodical cash bonus.

contingency of the destruction of his property by fire, says the Insurance Press, will only reluctantly protect his family against the certainty of the destruction of his body by death? A merchant will walk two miles to a fire office to secure a policy covering the full value of his stock (sometimes in excess of its value, if report doth say true), and will pay promptly his premiums, and with a cigar to the agent and a sigh of relief to himself, return home content. This is as it should be, particularly the cigar. Fires are of unexpected occurrence and mysterious origin, as all adjusters know. But they are contingencies.

That same man has been coaxed,

shamed, argued with, and bull-dozed by every life insurance man in town, and finally, in a spasm of magnanimity, has consented to take an application for \$1,000 as a protection for his wife and nine children; He doesn't give any cigar this time. He asks for instead, or even a part of the commission, and then goes home kicking himself for his extravagance and poses to his family as a devoted, self-sacrificing father, and considerable of a martyr. In one instance, he cheerfully provides against the possibility of a fire. In the other, he grudgingly provides against the certainty of death.

This phase of human nature is all the more bewildering when we consider that in case of fire without in-

ALEXANDER OLDHAM & SONS,

Johnson Brook Patent Piston Works,

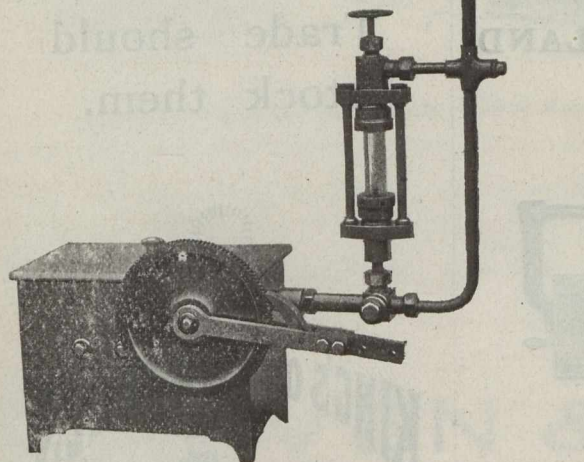
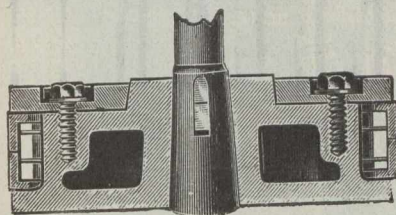
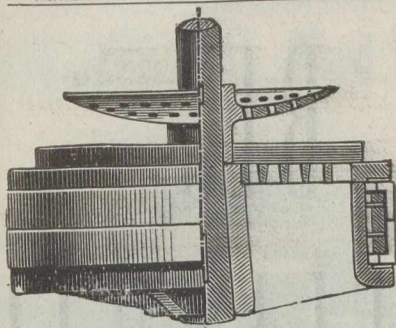
DUKINFIELD, - near MANCHESTER, - ENGLAND.

Telegraphic Address: "WELDLESS, Dukinfield."

Makers of
Patent Pistons,
Air Pump Buckets,

FROM 2-in. DIA. TO 120-in. DIA.

Reboring Cylinders and Air Pump Barrels
 in their places Planing Valve Facings
 by Improved Machinery.



insurance, the man remains with his strength, experience, and good name to again find the means of support to his family. But in case of death, the family is deprived of the strong arm and the financial credit and is cast out upon a cold, hard world. Yet the man insures for his own sake, and will not for his family's sake. If such a man will not take life insurance, load him up with all the fire insurance he can carry; for if his policies never become claims in this world, they will in the world to come.

Get a diploma proclaiming your love and unselfishness, from a good, reliable life insurance company.

Have you heard any complaints from the families of men who left them protected by a good life policy, because he spent some of his money to pay the premiums thereon?

The little girl who said she was "nervous" because she was in a "hurry all over," gave a good definition of the word. Get nervous, you, and get insured.

The insured man dies lamented and honored. How about the uninsured man? Are you one of that class?

Cincinnati has a double dose of sin in it. To live without a life insurance policy among your lares and penates is a sinful sin in Cincinnati or anywhere else.

"Can a man purchase happiness?" inquires a man who must be a lazy one. Yes, for yourself and your family, by insuring your life. Get an endowment policy and get it quick,

A chestnut tree has been known to live for 860 years, oak 1,000 and yew 2,800 years. But you will not live as a chestnut, even if you would. Insure now and be O.K.

"Richest is he who wants least," At the very least you want life insurance. Get it before the sun goes down.

No matter how defective your memory may be in other matters, keep it in prime working order as to your life insurance premiums. And don't you forget it.

Are you for one moment thinking of cutting down your life insurance? Drop the idea so hard it can never rise again. But, as you love your wife and children, do not drop a single policy—not on your life.

"Are we so soon forgotten when we are gone?" Poor old Rip! You will be tenderly and long remembered if you kept your life insurance intact. Do not lapse it.

If you must reduce expenses, absolutely must, the very last thing you should touch should be your life insurance premiums. And even then you should not touch them.

If you had paid monthly or quarterly payments on a home for your family for three or four years would you let it go because you were cramped in your business. You would not willingly deprive your wife of the ability to preserve that home by letting your insurance go? You should not.

The cow that gave a good pail of

milk and then kicked it over was a bovine angel by the side of a man who pays numerous premiums on life insurance and then lets it run out. Yes, the "mooley" cows is away ahead of a mule.

Lapses are laches. Laches are remissness, neglect. Lapse your laches, but not your policies.

One little policy in your desk must feel lonesome. "Misery loves company." So do life policies. The more you have the less misery will come to those you leave behind.

Five cents for a glass of beer four times a day would be a moderate indulgence. Twenty cents a day for a year would foot up \$73. Can't you get along with two beers a day and buy more insurance with the other \$36.50? It would buy considerable industrial insurance. Instead of "four up," put two down, and leave more protection for those at the ingleside.

Horace Greeley said the wise spender was he who knew when to stop. The wise husband and father will not stop adding to his life insurance so long as he can possibly afford more.

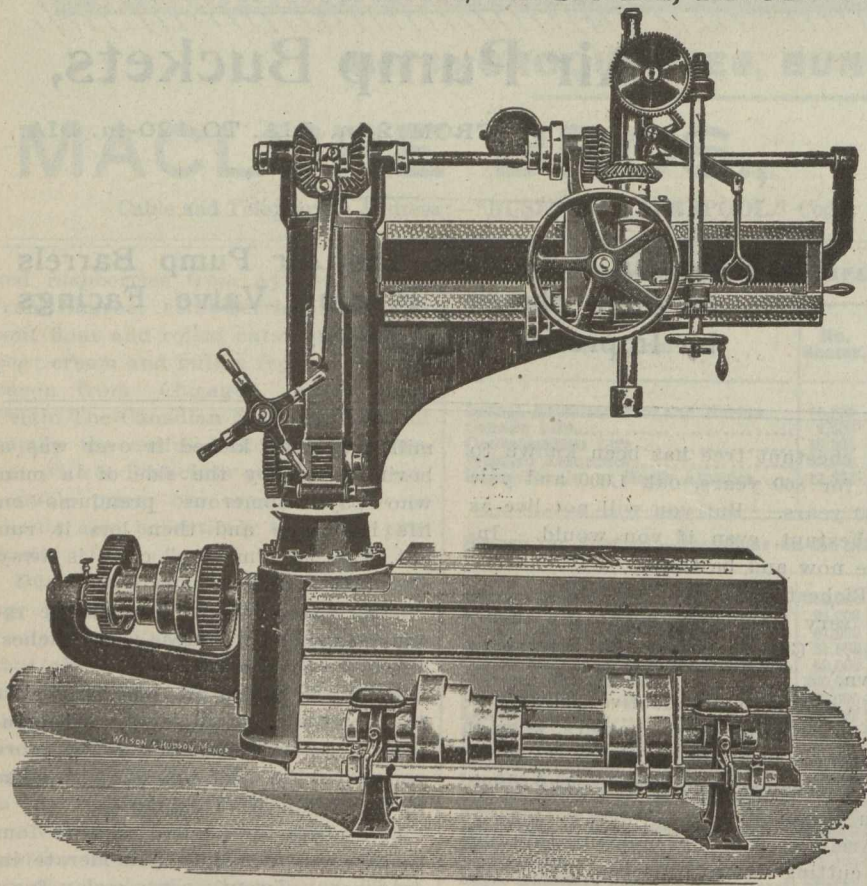
So you were thinking, yesterday, about taking out more insurance? Well good friend, that was a wise thought. But don't think any more about it. Do it—to-day.

Your friend who died recently had been solicited by an agent to take another \$5,000 policy, but refused. That extra \$5,000 would now be handy to have in the bank and it would have cost but one quarterly

R. HOOD HAGGIE & SON LIMITED.
 NEWCASTLE-ON-TYNE AND LONDON
 SOLE MAKERS OF THE FAMED **ROBIN HOOD BRAND**
MANILLA ROPE,
 MOST RELIABLE FOR **LIFTING & SPECIAL WORK.**
BLOCKS & TACKLE FALLS
 SUPPLIED COMPLETELY FITTED
 READY FOR USE
 TELEGRAMS. **HAGGIE.** NEWCASTLE ON TYNE.
HAGGIE. LONDON.
 Flexible **STEEL WIRE ROPES** FOR **CRANES**
 Steel Wire **CORDS** for Suspending **ARC LAMPS.**




GEORGE SWIFT,
 Claremont Iron Works, **HALIFAX, ENGLAND.**



IMPROVED 5-FT. RADIAL DRILLING AND TAPPING MACHINE

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

premium.

When you retire to-night may you dream that you placed another \$2000 or \$3,000 of insurance on your life. When you awake go and do it. Dreams do not always go by contraries.

You think it is your duty to protect yourself, as a business man, against the burning of your merchandise, your buildings and your personal belongings, but you do not see why you should pay premiums in life insurance for somebody else to spend! If you enjoy being as mean as that we can see your finish.

The man who says: "I'll take good care of my family as long as I live and then they must do as I had to,

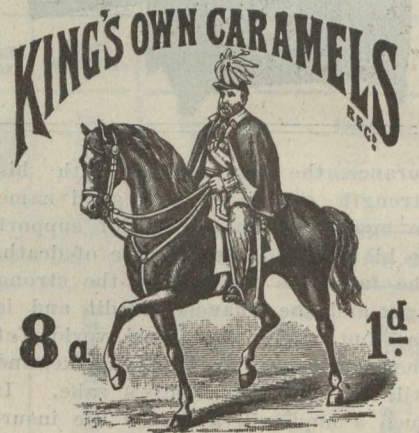
look out for themselves. My father didn't leave any insurance for my mother and myself," is a man without any sense of moral responsibility, and a bad risk, more's the pity for his family. His idea of duty is to look out for himself first and foremost. "Rauss mit him."

Can you look into the eyes of your faithful helpmate and the little ones she has borne you and not feel, if you are not insured for their benefit, that you are neglecting something of vital importance?

With so many excellent life insurance companies doing business, and at the old stands, and such an army of agents everywhere, no insurable

**A BIG
 SELLER!!**

Everyone in the
 Trade should
 stock them.

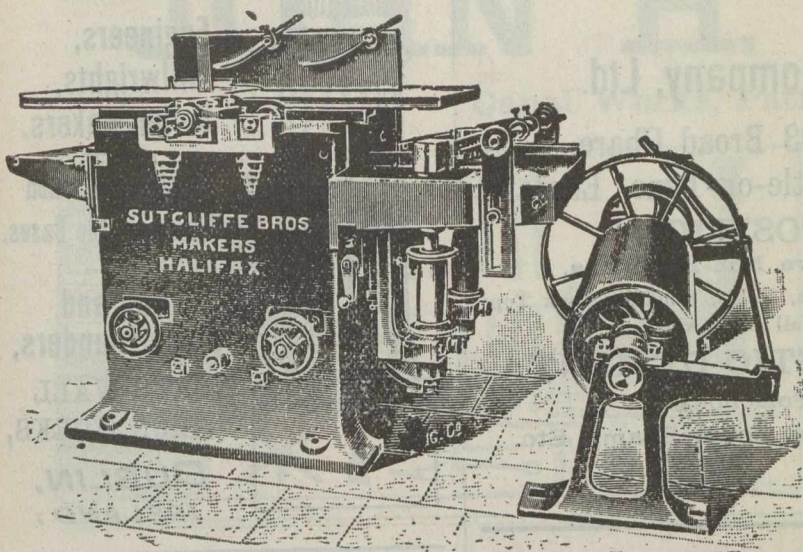


Manufactured
 Solely by
 The 
**Lancashire Steam
 Confectionery Co.,**

**LIVERPOOL,
 England.**

Special prices to Canadians under the
 new tariff.

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



Combined 3-Sided and Planing out of Twist Machine.

Special prices to Canadians under the new Tariff.

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

man has the least excuse for leaving his family unsheltered in case of his death.

"Where duty calls there you'll find

us," is an old volunteer firemen's motto. Duty calls the man with no insurance on his life to get it forthwith. How about it?

COMPULSORY FIRE INSURANCE.

Acting under instructions of the recent annual convention in New York,

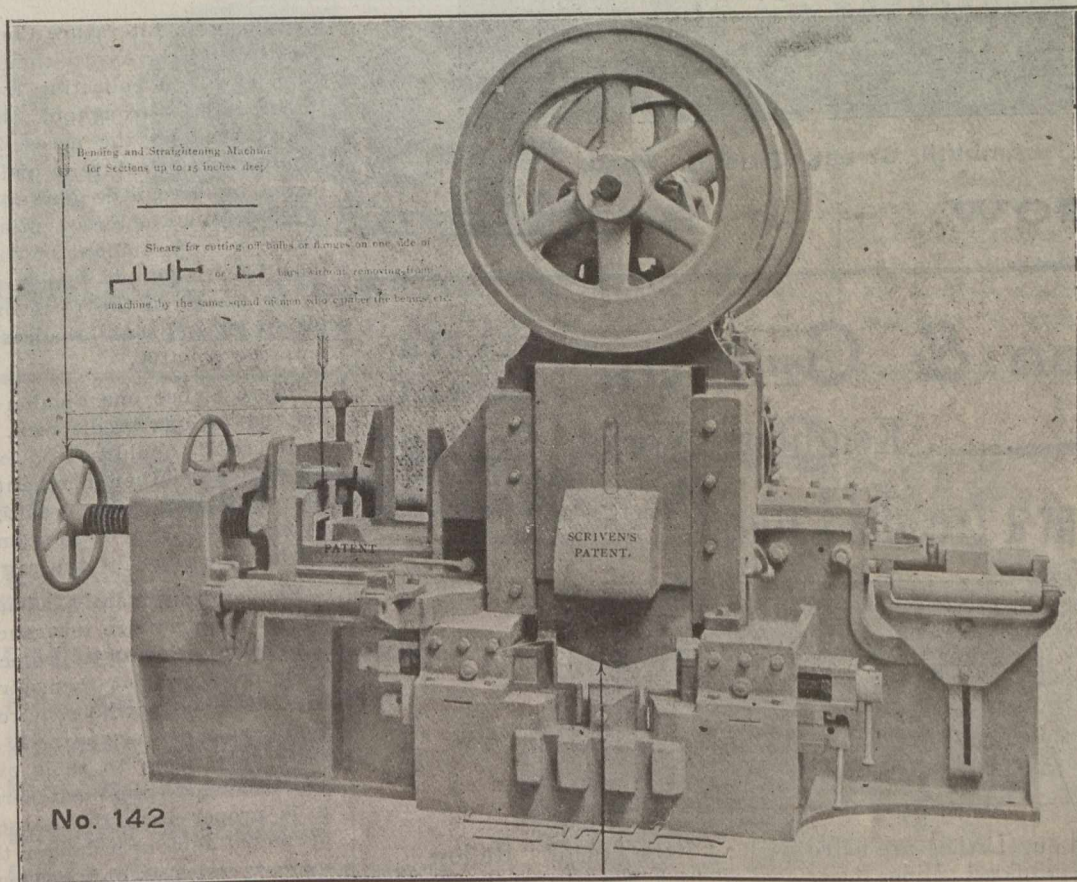
ESTABLISHED 1851.

Tel. Address: "SCRIVEN, LEEDS."

SCRIVEN & Co., LEEDS. ENG.

Machine Tools and Hydraulic Machinery,

For ENGINEERS, SHIPBUILDERS, BOILER MAKERS and BRIDGE BUILDERS



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

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

ODIC COMPOSITIONS

MANUFACTURERS:

Odic Plastic Composition Company, Ltd.

33 Broad Chare,

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

Newcastle-on-Tyne, England.

"ODIC COMPOSITION"

Non-Explosive, Non-Poisonous.

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

"ODIC" PLASTIC CEMENT

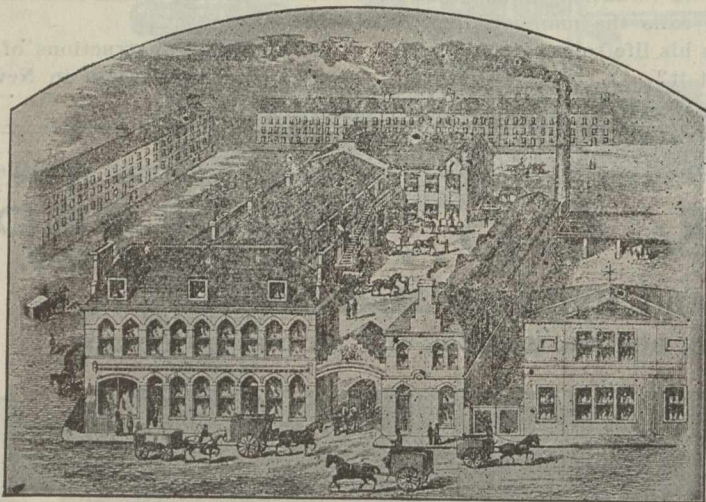
Non-Poisonous.

For Steam Joints, Boller Seams, Etc.



AGENTS WANTED IN CANADA.

R. D. & C. J. CRUICKSHANK,
BISCUIT MANUFACTURERS,



[ESTABLISHED 1848.]

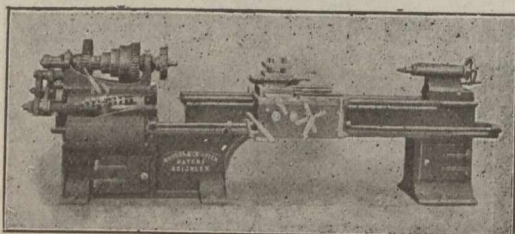
[ESTABLISHED 1848.]

Lambhill Street, Paisley Road,

GLASGOW. - - SCOTLAND.

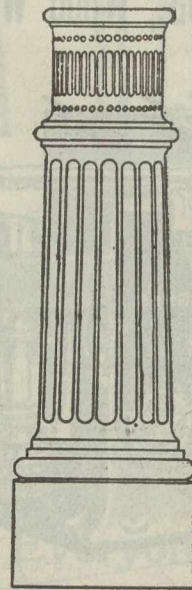
Hudson & Griffith, FLEECE STREET,
Keighley, Yorks, England.

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



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

Special Terms to Canadians under the New Tariff.



ROSS & WALPOLE

Limited.

Engineers,
Millwrights,
Boiler-Makers.

Electric Light and
Tramway Pole Bases.

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

MANTELS,
TILES,
MOSAICS,

TRANSOM
and PAVEMENT
PRISMS.

WEBSTER BROS. & PARKES,

228 ST. JAMES ST.,

MONTREAL, Que.

the Business Literature Committee of the National Association of Credit Men has been collecting from leading credit men throughout the country views showing the necessity of merchants, manufacturers and all interested in mercantile pursuits carrying fire insurance as an essential to credit. Quite a large amount of data on this has been received, which will shortly be issued in the form of a special pamphlet and sent broadcast throughout the country.

There is but one opinion expressed by the various credit men. That is that credit should not be extended to a retailer or other merchant who does not fully protect his creditors by carrying a full line of insurance. Following are some of the arguments:

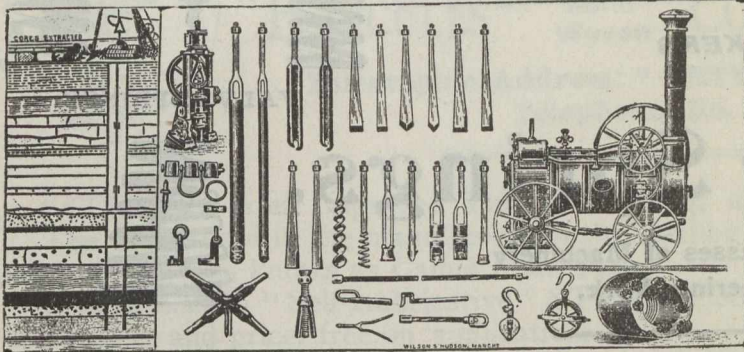
Merchants certainly should be required to carry fire insurance and for a sufficient amount to protect not only their creditors but themselves against loss. Credit men who require the merchant to carry insurance are doing their duty, first, to their own house, and, second, to the customers. First, it is proper that the house be fully protected against a danger that is imminent, and it is only reasonable that those seeking credit should furnish such protection. Second, it is a kindness to the customer to insist that he protect himself against loss, and thus

Contractor to H. M. Government.

Tel. Address, "Thom, Patricroft."

JOHN H. THOM,

Canal Works, Patricroft, near Manchester, England.



Boring for Minerals, Oil,
Brine, Etc.

Artesian Wells put down to any depth

Manufacturer of
all kind of

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

Special Estimates under the New Canadian Preferential Tariff.

provide the means of continuing in business. Those who think differently will say that when a merchant has

real estate sufficient to cover his liabilities it is not necessary to insist on his carrying insurance on stock. As-

sets of this character may protect against ultimate loss, and the question then become one of whether in the event of fire you are willing to have your money tied up for an indefinite time. Often times country merchants carry too small a line of insurance or neglect to insure at all because of excessive rates; sometimes—but seldom—they cannot get any insurance. To such I say, if the insurance companies consider the risk took great I must be pardoned for taking the same view.

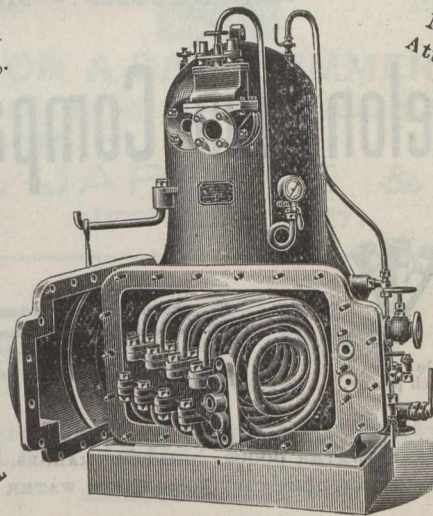
Fire insurance does more for the merchant than reimburse him for the losses he sustains by fire. The requirements of a fire policy are such that no merchant who complies with them, can fail to find that they have, in a sense, an elevating influence upon every department of his business. If he is a manufacturer he must keep his factory in a certain insurable condition; its cleanliness, the habits of his employees and a thousand and one things bearing upon the insurance company's risk must be matters of constant attention. If he is a merchant he must so fortify himself by keeping accurate account of his stock and additions to and withdrawals there-

Morison's Radial Evaporator

Fitted in upwards of
2,000 STEAMSHIPS.

Minimum of Labour and
Attention required at sea.

General Handiness and
Facilities for cleaning
UNSURPASSED.



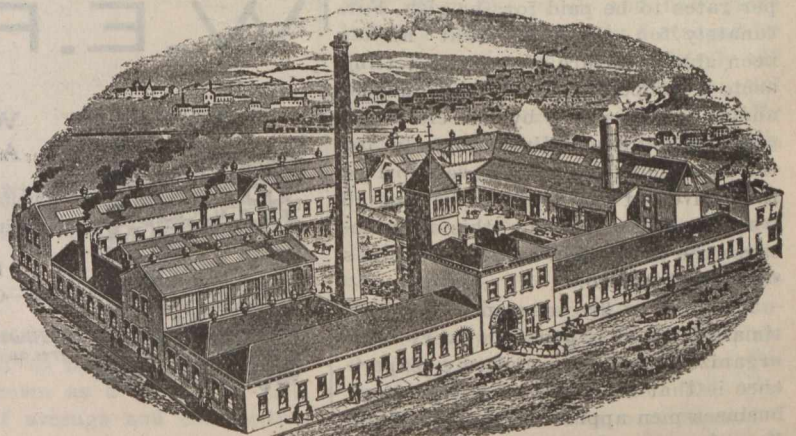
Strong in construction,
Simple in design and
Efficient in working.

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

A. Earnshaw & Sons, Ltd.,

MAKERS OF

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

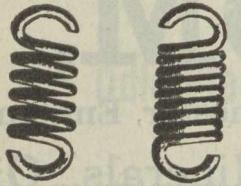


Crown Works,

HALIFAX, ENG.

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

ESTABLISHED 1856.



VALVE SPRINGS.

Joseph Steel & Sons,

MAKERS
OF



VALVE SPRINGS.



Spiral Springs,



For all Classes of Machinery
and Engineering Work.

Harden near BINGLEY, Yorkshire, Eng.

Special terms to Canadians under the new Preferential Tariff

Telegraphic Address, "STEEL, BINGLEY."



from that at almost any instant he can, like a bank, strike a balance and find out whether he is making headway or not. Then again there is that feeling of security that is afforded the merchant who knows that under no conditions can the results of his life-work be entirely swept away from him. It makes him aggressive, self-reliant, and gives him a feeling of confidence that reflects itself in every business action. Another way to state the proposition that is before us it seems to me is: "Should a credit man grant credit at all to a house that does not carry fire insurance?" In the majority of cases the credit man should not, and would not grant credit under such conditions, but, as in every rule, there are exceptions, and one of these exceptions we have here existing in the city of Philadelphia. It is well known to all of us that there is a large department store in this city whose credit is absolutely beyond question that does not and possibly never will, carry fire insurance. The reasons for this are manifold, but they condense themselves into the central idea that there is a disagreement as to the proper rates to be paid for the risk. Fortunately for that merchant he has been able to insure himself by setting aside a proper sum for that purpose and to avoid a fire by ceaseless and untiring vigilance. Unfortunately for the fire companies they have deprived themselves of the profit to be derived from the premiums on this risk because the theoretical hazard outweighs the actual hazard.

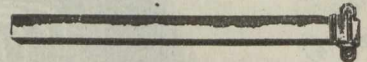
The item of fire insurance is a legitimate item of expense to every well-organized business, and my experience is that the large majority of our business men appreciate the fact. While I am free to admit that under some conditions the rate charged by insur-

Telegraphic Address: - "CAMELON," FALKIRK.

The Camelon Iron Company, Ltd.,



Single branch pieces. Double branch pieces.



Square Rain-water Pipe.

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

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

THE CAMELON CLOSE FIRE KITCHENERS.

W.E. Foggin & Co.,

No. 9 by 9 of 17 g.



WIRE WORKERS
AND WEAVERS,

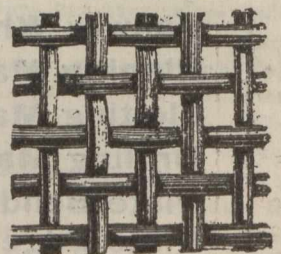
Manufacturers of all kinds of SCREENS
for Mining and other purposes . . .

RIDDLES, SIEVES AND
GENERAL WIRE WORK.

Illustrated Catalogues and estimates
free on application.

ESTABLISHED 1830.

No. 4 by 4 of 11 g.



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

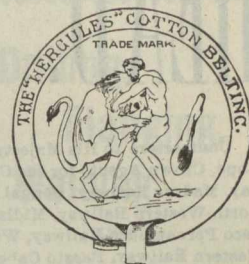
RITCHIE LETHAM, Ltd.,

SOLE WEAVERS OF THE

“Union” Hair Belting

... AND THE ...

“HERCULES” Solid Woven COTTON BELTING.



Telegraphic Address: “LETHAM, OLDHAM.”
Telephone, No. 102.

“COTOS” is an Improved Tubular Banding made from perfect Super Egyptian Yarn. The Warp used in the manufacture of this Belting is guaranteed to be made from the BEST quality of the yarn known as Camel Hair Yarn.
Special lines in “Self-Lubricative” STEAM ENGINE AND PUMP PACKINGS.
Samples and prices free on application.

Address: Waterloo Mills, Oldham, England.

Special Prices to Canadians under the New Tariff.

THIS LITTLE TRADE MARK



ON A SAW GUMMER

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

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

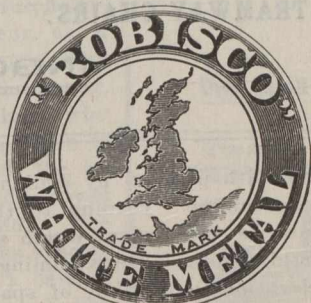
“Robisco” White Metal,

(REGISTERED.)

THE STANDARD OF PERFECTION.

REGISTERED TRADE MARK.

FOR
MARINE,
RAILWAY,
TRAMWAY,
MINING,



ROLLING MILLS,
DYNAMOS
And
GENERAL
MACHINERY
BEARINGS.

PRICES ON APPLICATION.

... SOLE PROPRIETORS

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

The absence of “fire insurance” from a property statement or agency report will perhaps attract the attention of a credit man as quickly as any other item; indicative of the importance attached to it; but we continue the gamble just too long in some instances, followed by firm resolves to adopt more conservative measures in future. Shall we accept in extenuation for lack of insurance the ex-causes of high rates and “no danger”? The former may be prohibitive of an amount of insurance commensurate with the value of the property, but the latter is worse than idle, when the dangers of fire are emphasized every hour in the twenty-four somewhere, and when utmost caution prevails and possibility of fire seems most remote. It appears then most inconsistent in view of the precautions taken by jobbers and manufacturers to insure goods in in store, and in transit by rail and water, to disregard this feature of merchandising and accepting in lieu of the protection paid for an unsecured account that would be absolutely worthless in event of fire. It is frequently advanced that there is no danger because the “family live over the store.” A case in point came under the writer's observation early in the present year when the stock and new store building were completely destroyed by fire, the owner and family barely escaping with their lives. With partial insurance the loss of a stock usually results in a compromise with creditors. What can be expected when insurance is wanting entirely? Indeed, in matters of moment where insurance is in evidence, it would be in perfect harmony to exact from debtors the name of the company or companies issuing policies and date of expiration that steps may be taken at the proper time for renewal. The relation that exists between mortgagor and mortgagee in that respect is none too good for the jobber and dealer, but

ance companies seems high, there are good reasons for this; for instance, frame structures in localities without improved fire department apparatus, &c. Where the risk is greatest the people who take the risk are entitled

to some consideration and could not be expected to make a low rate on what is known as a hazardous risk. The law of average and competition keep insurance rates at a reasonable basis.

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

London Office:
5 VICTORIA STREET WESTMINSTER.

HEAD. WRIGHTSON & COMPANY.

(LIMITED)

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

Patentees and
Makers of

Moore's
Patent
Pulley
Block.



Patentees and
Makers of

'The
Teesdale'
Patent
Pulley
Block.

PUTNEY BRIDGE, OVER THE RIVER THAMES, LONDON.

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

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

MANUFACTURERS OF

Blast Furnace Iron & Steel Works Plants

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

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

INGOT MOULDS.

some will say that is a different matter, when it is a question of dollars and cents just the same. Merchants expecting credit favors should be required to carry fire insurance, and in good old line companies as against mutual or "Deacon insurance companies," which companies pass the hat when a loss occurs.

THE BRIARWOOD SMOKER'S VIEW.

When we see womankind taking tobacco in the privacy of its own chamber, with its feet on the fender, and "none to supervise;" more particularly when we see it solacing itself with a pipe, then, but not till then, shall we be forced to admit "the sex" to

the privilege of full equality with us—a state of things which masculine prejudice still considers must be the highest circumstance of earthly bliss.

It is but a poor, shallow devotion to tobacco, says a London paper, that is content with anything but a pipe. The cigarette is well enough in its way; it may suffice "between the acts," or during similar brief escapes from a smokeless world, or for offering to our friends and neighbors as the best modern substitute for the elaborate civility of the snuff-box, but it rises not to the dignity of serious smoking. The cigar, too, with all its charms, leaves something to be desired. It is too ostentatious, too obviously a "luxury" to be really delightful. It satisfies not; for somehow, far away, is the Ideal cigar, not to be purchas-

ed by ordinary mortals, and yet, according to the connoisseur, the only cigar worth smoking. It has, too, an overwhelming suggestion of respectability, of sparing no expense and always travelling first-class, of faring supmtuously every day, of wearing a very good hat all the week through, and a still better one on Sunday. It should be reserved for special occasions; for ordinary, every day consumption there is nothing that can approach the familiar pipe.

There are pipes and pipes. Archaic persons are still to be found who declare for the churchwarden. There is, it is true, something fascinating in its

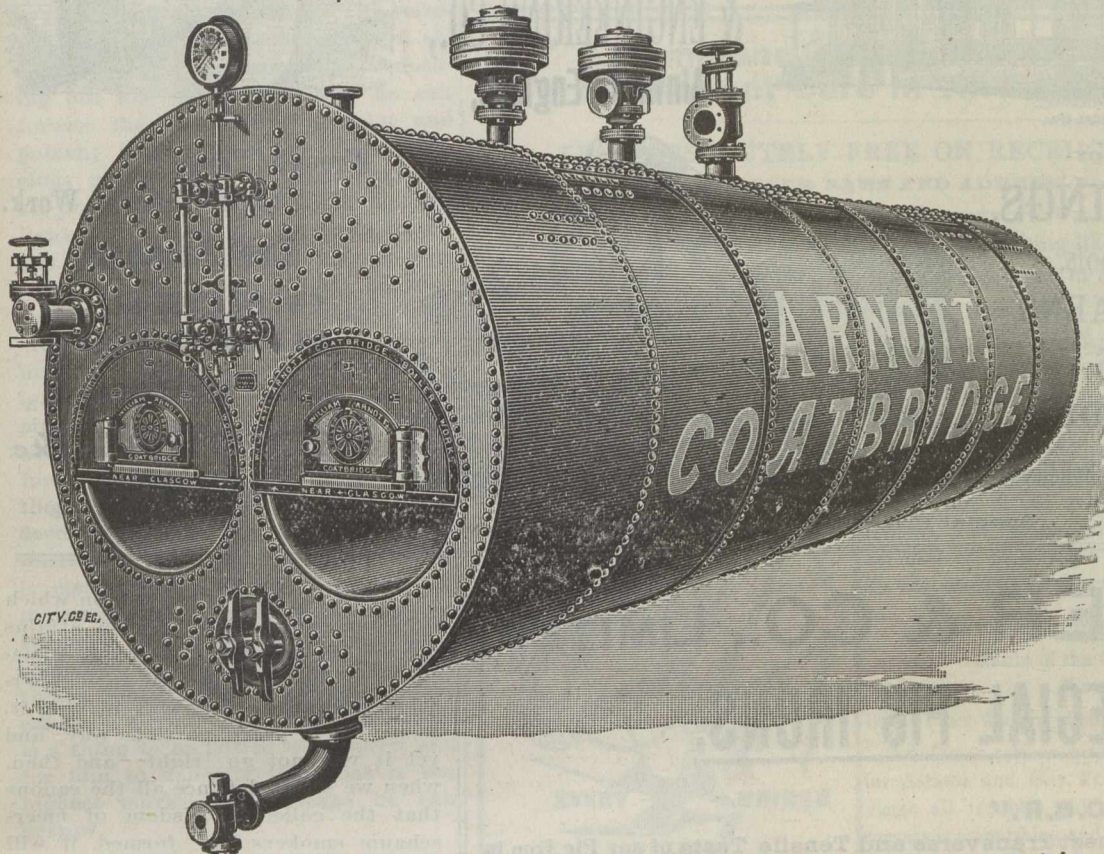
"Lip of wax and eye of fire,
And its snowy taper waist
With my fingers gently braced!"

ESTABLISHED 1870.

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

HIGH-CLASS LANGASHIRE & CORNISH ... BOILERS

Up to 200 lbs. Daily Working Pressure.



Drilling,
Flanging,
Welding
AND
Rivetting

By most Modern Machinery.

Always a number of

High-class
BOILERS

IN
STOCK

OR IN
PROGRESS.

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

Contractors to Her Majesty's Government.

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

something also marvellously impressive in its proper manipulation by one who is a master of the art, but this is within the reach of few. It needs its proper surroundings—a blazing fire, a sanded floor, a group of comfortable and, if possible, capacious gentlemen with a strong tendency to silence and punch; none of which are prominent characteristics of modern society. The present-day smoker of the churchwarden is something of a poseur, as a rule; he is very young; eccentricities in pipes are the privilege of the young, being designed to impress those who are still younger. And then, when it has been successfully colored, the labor of months is apt to be destroyed by the implacable housemaid. The old fashioned smoker was less susceptible to the sorrow of such a calamity as this; he was content to call, like Sir Roger de Coverley, for a "clean pipe," and apparently cared not for the vanities of coloring. His pipe was but the fortuitous companion of an evening, wedded to him by no enduring ties, "called for" at his coffee house as though it was merely a toothpick, to be used but once and then cast away. But now we desire a more permanent alliance, and so the day of the churchwarden is past, and even its humbler relation, the short clay, having the family failing of brittleness, is disappearing.

There are devotees of the meerschau; but it is not everyone who

will undertake such a responsibility. Its humors and its delicacy become oppressive; it is not to be touched

with the hand or smoked out of doors, nor too near the fire; nor to be knocked out, or otherwise roughly

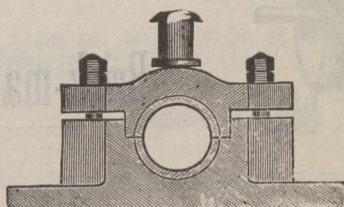
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SAVES 80 TO 90 PER CENT.

OVER COST OF OIL

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

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PATENT MICA GREASE



PATENT MICA PACKING
REGISTERED

Patent Mica-Cotton Packing.
Patent Mica-Asbestos Packing.
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Patent Mica-India-Rubber Packing.

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

"MICA" BETING SYRUP.

The Harbinger Patent Elastic Metallic Packing

Is Absolutely the Best and Cheapest.

Sole Proprietors and Manufacturers

The Mica Lubricating Company,

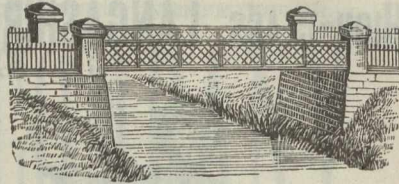
(Registered.)

63 King Street, SOUTH SHIELDS, England,



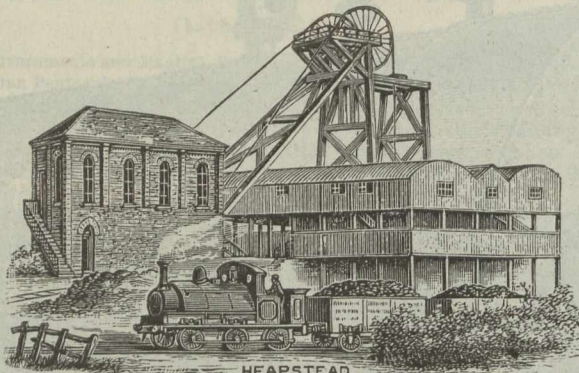
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THE ALNWICK FOUNDRY & ENGINEERING CO.,
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IRON BUILDINGS,
Churches, Schools,
HOSPITALS, BARNS,
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HEAPSTEADS.

Huts, Hay Sheds, Farm Buildings.



HEAPSTEAD

Special Prices to Canadians under the New Tariff.

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

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

Brand "WARNER C.B.R."

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

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

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

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

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

PIG IRON MADE TO ANY ANALYSIS.

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

treated; nor smoked too fast or too slow. And then, with all our care, we find some happy-go-lucky individual,

apparently the especial favorite of the Goddess of the Weed, who does all these forbidden things, and still gets

his pipe to a state of perfection which the more painstaking person attains but in his dreams. There is something distinctly irrational in a meerschaum pipe; we may wax it, plug it, humor it in every possible way, and yet it will not go right; and then, when we set at defiance all the canons that the collected wisdom of meerschaum smokers has formed, it will assume such color and brilliancy as to be the marvel of all beholders. One is tempted to doubt whether the law of casualty applies to meerschaum. They have their charms; they may gratify the aesthetic sense with eagles' claws and negroes' heads and skulls and other delightful and fantastic figures; and when brought to perfection may inspire legitimate pride; but they demand too much sacrifice and tender treatment. Doubtless they are good masters, but they are bad servants; it is not everyone who will submit to their exactions.

In the modest briar there is less potentiality of splendor; but still it has graces enough to win for itself the adherence of the great bulk of those who profess the cult of the pipe.

Established 1868.

Telegraphic Address: "Brick, Leeds."

Brick-making & Grinding Machinery

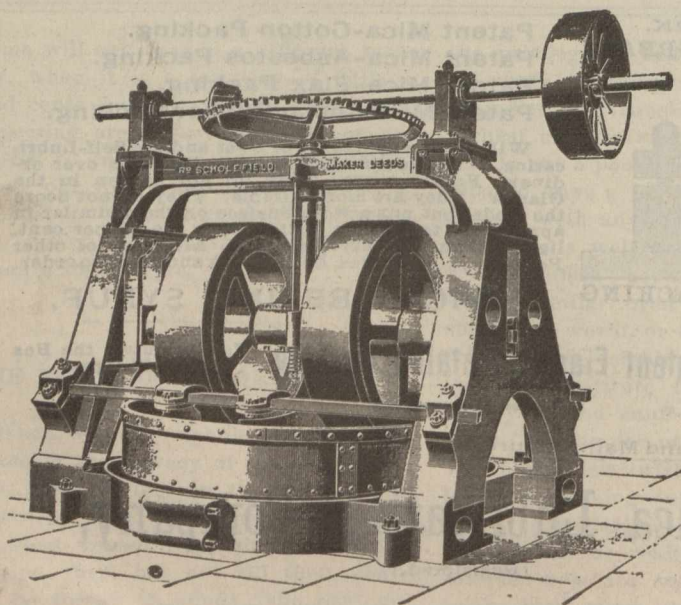
Manufactured by

Richard Scholefield,

ENGINEER .

Burley Vale Mills

Kirkstall Road, LEEDS, Eng.



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

There are some indeed, who have no eyes for its idiosyncracies, and, being severely utilitarian, think all pipes alike. But the connoisseur in briars is a nice and subtle critic. The selection of a new pipe he considers a serious matter. He will tolerate nothing but his favorite grain; he can foresee the possibilities of color and potash; is not deceived by meretricious pluggings and varnishing; and his pipes gleam and glitter in the fire-light like a newly shelled horse chestnut. It is a thankless thing to present him with a pipe; indeed, the presentation of smoking implements generally is a perilous practice for the unwary, and one which only feminine ignorance will, as a rule, attempt. The pipe of that class described as "suitable for presents" is a frightful trap for the well-intentioned; in silver fittings and plush-lined cases it is indeed resplendent but it will move the initiate in the cult almost to tears. It is disfigured by all sorts of horrible improvements; has, as a rule, patent sanitary arrangements of the most complex and unnecessary nature; things which the seasoned smoker cannot tolerate. The choice of a pipe is a thing to be left to the expert; and for him to delegate the office is the highest mark of confidence he can bestow.

PEOPLING THE EARTH.

Reviewing the trend of commerce and colonial expansion, the Manchester Mercury of recent date says: The origin and rise of the mechanical industries in this country were naturally followed by their introduction into the Continental countries. The great benefits that were seen to be accruing to England, and the hope of sharing in them, was the inducement to adopt them. The experimenters soon found there were material difficulties in the way, in the shape of the higher cost of machinery, the want of experience, the lack of coal, and such matters. When these were found to be impediments to success, the aid of governments was called in, and compensation was got from protective tariffs. These, in spite of all the prophecies to the contrary spoken by English free traders, have proved very effective in most instances, and the countries that have followed our example have become producers to

Asthma Cure Free!

Asthmalene Brings Instant Relief and Permanent Cure in All Cases

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



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

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

Rev. Dr. Morris Wechsler,
Rabbi of the Cong. Bnai Israel.
NEW YORK, Jan. 3, 1901.

DRS. TAFT BROS' MEDICINE CO.,

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

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

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

DR. TAFT BROS. MEDICINE CO.

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

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

DR. TAFT BROS. MEDICINE CO.

Gentlemen: I was troubled with Asthma for 22 years. I have tried numerous remedies, but they have all failed. I ran across your advertisement and started with a trial bottle. I found relief at once. I have since purchased your full-size bottle, and I am ever grateful. I have family of four children, and for six years was unable to work. I am now in the best of health and am doing business every day. This testimony you can make such use of as you see fit.
Home address, 235 Rivington street.

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

TRIAL BOTTLE SENT ABSOLUTELY FREE ON RECEIPT OF POSTAL.

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

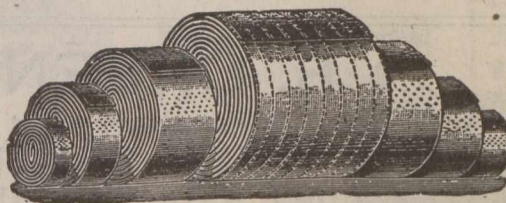
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FLETCHER & SHAW, GOVERNMENT & RAILWAY CONTRACTORS,
Ryburn Leather Works,
SOWERBY BRIDGE, ENGLAND.

Telegram—"Fletcher & Shaw, Sowerby Bridge."

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Manufacturers of every description of
**Leather Belting,
Laces, Picking Bands,
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**Cotton, Hair
and Link Belting, &c**

Special prices to Canadians under the new Canadian Tariff.

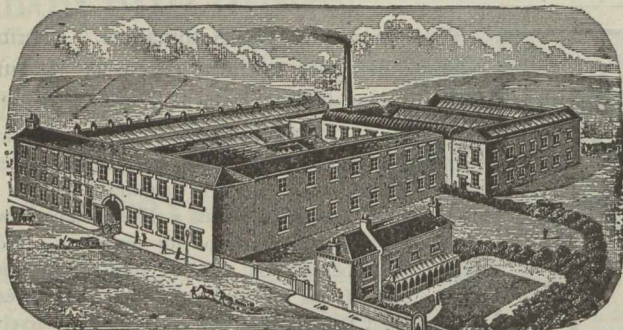
Telegraphic Address: "PURIFIER, BATLEY."

ESTABLISHED 1865

JOHN ILLINGWORTH & SONS,

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

BATLEY, ENGLAND.



RIDINGS MILLS.

Patentees and Sole Makers of the
CELEBRATED PURIFIED

Flocks and Wools,

Large Stocks of all Descriptions of

Drummed Wools & Ruggings

Manufacturers of
all kinds of . . .

FOR COLLAR MAKERS
AND BROWN SADDLERS.

HORSE CLOTHING

FOR
HOME AND EXPORT

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

BEST MAKE.

SUPERIOR CUT.

LOWEST PRICES.

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

NONE BUT THE TRADE SUPPLIED.

PRICES ON APPLICATION.

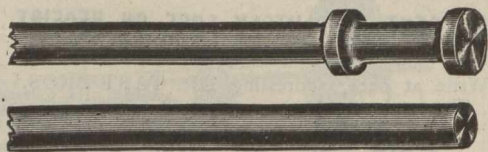
Wrot.-Iron Pulleys.

Bright Steel Shafting.

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on Application.

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

Telephone
43.



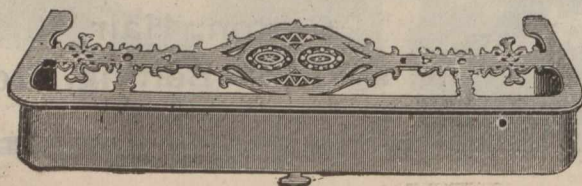
HENRY CROWTHER,

Rolling Mills,
Cleckheaton,
YORKS, ENGLAND.

Special Terms to Canadians under the New Tariff.

such an extent that they are quite equal to supplying their domestic requirements. But progress could not stop at this point. The next outcome was a desire for a foreign trade, and accordingly they entered into the world's markets as competitors with this country. The result was not a success; in neutral markets they had no chance, but still the necessity and desire for expansion remained.

The situation was again reviewed. It was found that England's Colonial empire and foreign possessions afforded her many profitable markets; therefore they must have colonies and foreign territories. Hence the wild scramble for the unappropriated and waste places of the earth during the past thirty years, in which we have been compelled to join because our necessities were growing as well as those of our competitors. Such expansion was necessary to Germany and to ourselves. Russia's efforts and aspirations, however, have been more in the development of a long and consistently maintained territorial development rather than of industrial or commercial



R. GREENLEES & Co.,

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

Works: 30 East Howard Street.

Illustrated Price Lists on Application.

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

ESTABLISHED 1859. ESTABLISHED 1850.

PATENT PAPER PERFORATED & SPECIAL TUBES & SPOOLS
 FOR BLEACHING AND DYEING.

PERFORATED TUBES ON E. JACOB & CO.'S PATENT SYSTEM.

CANNETTES, PAPER FIRMS.

Patent Conical and Parallel TUBES and SPOOLS
 For Cloth, Woollen, Cotton Yarns, &c.

OLDEST MAKERS OF PAPER SPOOLS & BLOCKS
 FOR RING SPINNING.

COMPRESSED PAPER BOBBINS OF ALL KINDS
 FOR MILL PURPOSES.

For Ring, Mule, and Fly Frame, Throwing, Twisting,
 and Ring Spinning Machines, &c. &c. &c.

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

PAPER TUBES FOR BOTTLES, &c. BRASS & WIRE SPINDLE RINGS.

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

Which is a valuable and essential tool for spinning and warping, and is
 the most expeditious and perfect method of producing tubes.

Manufactured by Royal Patentees, J. Swales & Sons, Ltd.,
 No. 10, Pillar, Quay, Salford, Manchester, England.
 Telephone No. 42, Oldham. Telegrams: "SIBBY, Oldham." All Communications to be
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Oldham Cop Tube Works.
MOORHEY, OLDHAM,
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THE MOST NUTRITIOUS.
EPPS'S COCOA

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

EPPS'S COCOA
 BREAKFAST-SUPPER

necessity. In France it has been indulgence in the political ambition that has so long been a salient feature of the national character. France cannot become a successful colonising State as long as her people believe in and practice what now seems to permeate the entire population. A pertinent fact which demonstrates this has just been revealed. The deaths in France in the year 1900 exceeded the births by 25,988, whereas, in 1899 the births showed a surplus of 31,394. Foreign immigration alone prevents a positive decrease of the population. France has acquired colonies and foreign possessions, but she cannot people them; there is nowhere an over-sea community of French people arising that can be looked upon as constituting the formation of a future nation. Relatively to this country, and also to Germany—we might, indeed, even include Italy, whose people are not slow to emigrate—France is in the rear, and will continue to fall more and more behind.

COMMON SENSE AND THE STATUTES.

That "ignorance of the law excuses no one" is taken for granted wherever that law applies, but in such cases the old law of common sense pretty generally prevails. But what of the following from the Berlin correspondent of a Chicago paper:

"Ex-Senator Mitchell, of Wisconsin, had a funny experience in an apartment where he was spending last winter. Something caught fire in his rooms early in the morning, and the servants rushed out and gave the alarm. In the meantime the Senator was awakened, and, organizing a fire brigade of the members of his family, he extinguished the flames with bowls and pitchers of water from the bathroom. When the firemen arrived the family was sitting around, calmly talking it over, but the police were determined to march them all off to jail for interfering with the fire department. After the alarm was given they should have locked their doors and left the house, placing the entire responsibility upon the fire department. It was unlawful for them to do anything toward putting it out."

RIPANS

I had been troubled with biliousness for as long as I can remember. I would become constipated, accompanied with headaches, dizziness, my skin of a yellow cast, tongue coated. A friend advised me to use Ripans Tablets. I did so, following directions, and am sincerely thankful for what they have done for me. Many of my friends whom I have advised to take Ripans often thank me earnestly for the information I gave them.

At Druggists.

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

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

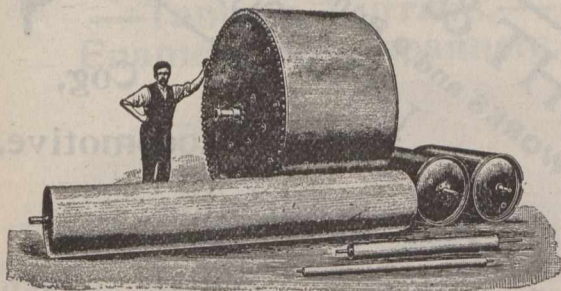
Donovan & Co., Ltd.,

Successors to

J. S. LEACH & Co., Ltd.

Engineers, Tin and
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Designers of Special
 Machinery.



Broughton Bridge Iron Works,
 SALFORD, MANCHESTER. ENGLAND.

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Imperial Steel Works,

SHEFFIELD, - - ENGLAND

Manufacturers of

CIRCULAR SAWS

Of Superior Quality for
Cutting either Wood or
Cold Iron and Steel, or
Hot Iron and Steel.

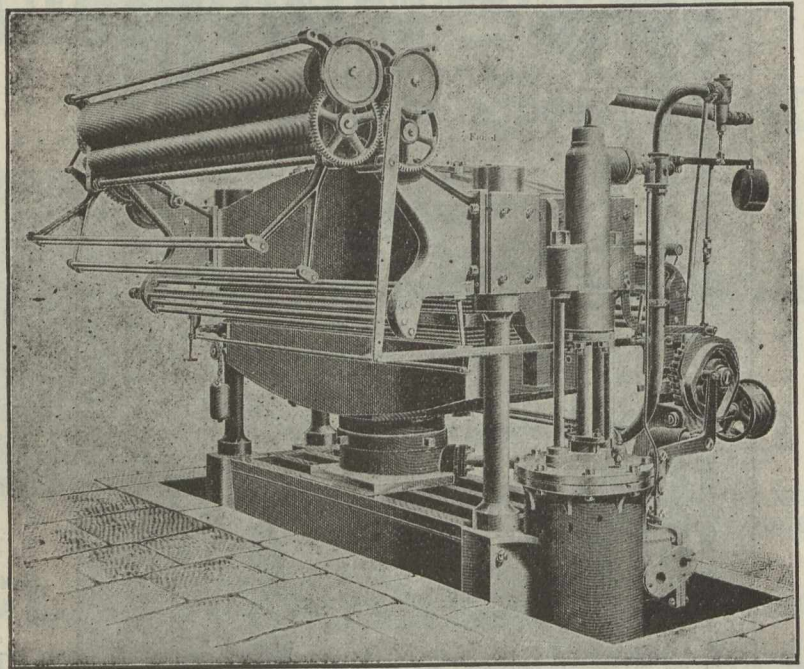
We invite special attention
to our "Cold Saws." Steel
Castings of every description.
Allen's  Dynamo and
Motor Castings. Turner's Pa-
tent Iron Fibred Steel. Miners'
Drill Steel.

Best Tool Steel and Files.

"Another American, Professor Boice,
had a similar experience. When a
fire caught in his apartment he rushed
across the street and let off an alarm
from a box he had always noticed
there, but had never had occasion to
use before. Now, it so happened that
the street upon which Mr. Boice lived
is the boundary between the city of
Berlin and the town of Charlotten-
burg, one of its suburbs, and, the
alarm box being on the Charlotten-
burg side, the fire department of that
city responded. When they arrived
they found that the fire was in the
city of Berlin and therefore they
would not touch it. The foreman hur-
ried to the nearest box on the Berlin
side and turned in an alarm, and then
ordered the Charlottenburg firemen

By H. M. NUSSEYS & LEACHMAN'S PATENT PRIZE MEDAL
Royal Letters Patent.

Pressing and Tentering Machines.



MAKERS W. B. LEACHMAN & CO.,
EXCEL WORKS,

Great Wilson Street,

LEEDS, ENGLAND.

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HEAD OFFICES
Ordsal Station Works,
SALFORD, MANCHESTER

DORMAN & SMITH,

Manufacturing Electrical Engineers,

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OIL Lubricating Burning

In Casks, Barrels
or Drums.

Specially Prepared
for Export.



Cables to
"LIGHTHOUSE."

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

Cog,

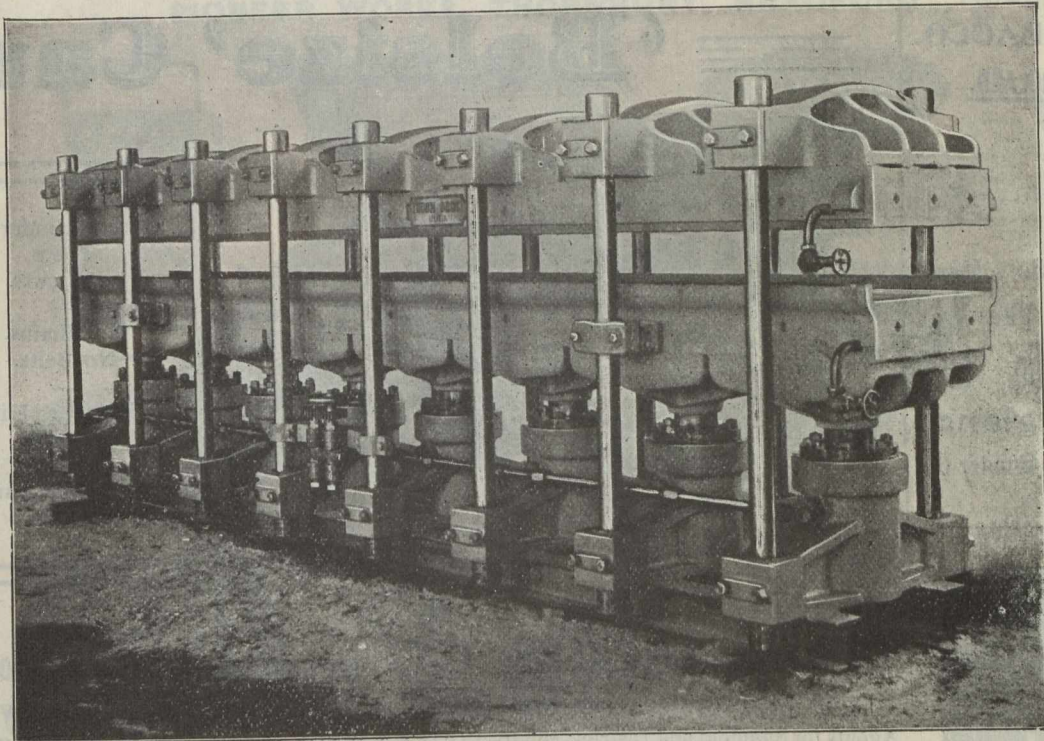
Locomotive,

Antifriction,

Water-Wheel,

GREASE

IDDON BROTHERS



INDIA
RUBBER
ENGINEERS.

Brookfield Iron
Works,
LEYLAND,
nr. Preston,
ENGLAND.
Engineers and
Rubber Machinists.

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

SPECIALITIES: All kinds of Rubber Machinery.

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

back to the engine house. Within a few minutes the Berlin department came rushing up and put out the fire.

"In the meantime Mr. Boice had been arrested for giving a false alarm in Charlottenburg, a misdemeanor which is punished by a heavy penalty. It would not have been a false alarm of course, if it had been given on the Berlin side of the street, but as there was no fire in Charlottenburg it was a crime to give an alarm in that city. Mr. Boice was not aware that his street was a boundary line, but the German law does not recognize ignorance as an excuse for the violation of city regulations."

REFORMING THE LONG SKIRT.

When women organized rainy-day clubs and tried to persuade their sisters to wear skirts in the streets of reasonable length, the ridicule with which they were met and the critical looks of masculine disapproval on the skirts when worn frightened the wearing. But if the wearing of short skirts is to be ordered by law, it is safe to say that the men appointed to enforce the law will find reinforcements of wild horses totally insuffi-

cient for the purpose. The reform is a needed one. No sensible person, man or woman, will deny that the wearing of long skirts in the streets is unwise, if not dangerous. Advanced science has brought so much to light in recent years to demonstrate the imprudence of collecting germs from the public highway to bring into homes that few venture openly to defend the practice, even if many persist in it. But it is a case for reasonable conviction and not for force. Women may be ready to admit all that is charged against the long skirt but they will not be legislated into short skirts, and when a

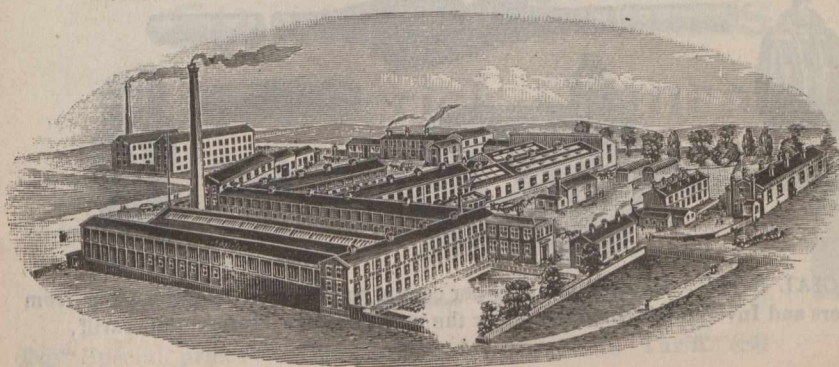
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Haste & Brown,

Hough End Tannery.

BRAMLEY, LEEDS, - Eng.

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



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GOLDEN FLAKE
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MADE IN LIVERPOOL, ENGLAND.**

TRADE PRICE:

1/2 lb. tins.....	\$1.20
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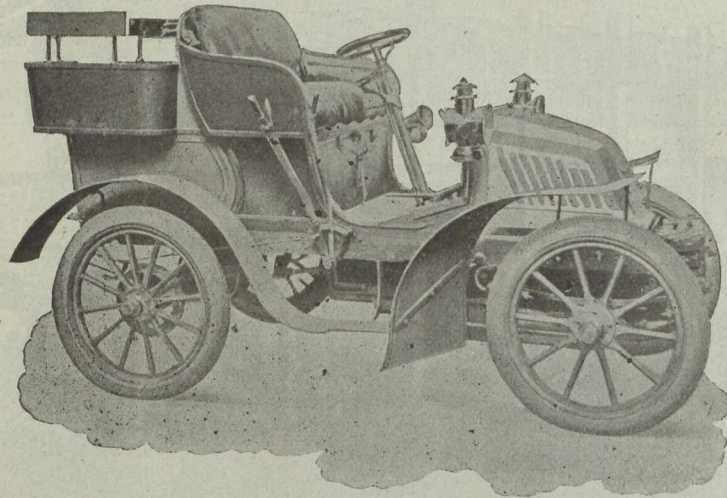
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"Order direct or through your jobber."

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

Special prices to Canadians under the
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**Marshall's
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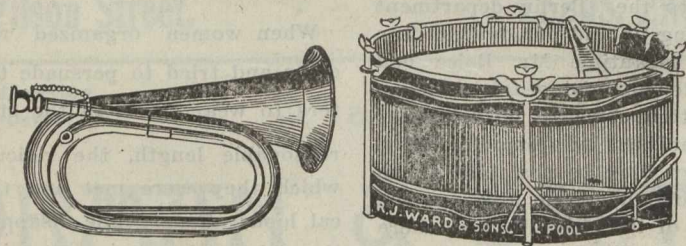


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12 h.p.
12 1/2 cwts.
No Chains.
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Unrivalled Hill
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Send for par-
ticulars.

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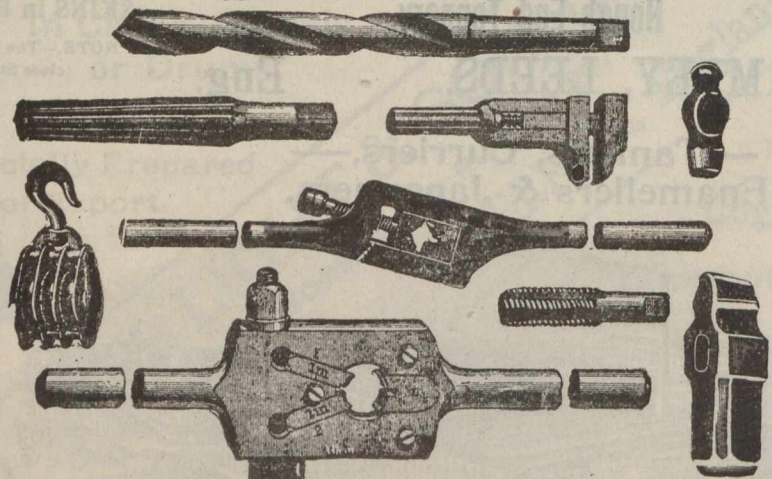


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Send for Price List with the opinions of
numerous well known firms who have used
these valuable Compositions & Typewashes
for over 20 years continuously.

WORKS: HIGH COURT LANE, LEEDS

England.

woman won't she won't, and the legis-
lator will find out, like many another
of his sex, that in this case there is
an end on 't.

PATENT REPORT.

Owen B. Evans, solicitor of patents
and expert, Temple Building, reports
that in the past week 44 United States
patents were granted, of which 78
were granted to residents of countries
other than the United States. Of these
78, residents of British Empire ob-
tained 39, as follows: England 21, Can-
ada 7, Scotland 3, New Zealand 3, Vic-
toria 2, Queensland 1, Ireland 1, and
India 1. Those granted to Canadians
are as follows: Rail joint fastener, F.
A. Dixon; process of producing nickel
salts, Hans A. Frasch; neck yoke, John
D. Gale; bag seal, A. Denis; cover fas-
tening for fruit jars, I. P. Doolittle;
wrench, G. Partillo; burner, F. F.
Dow.

WALKER & HOLROYD,

GENERAL STAMPERS, PIERCERS,
AND SHEET METAL WORKERS.

PIONEER WORKS, THORNBURY, BRADFORD Yorksh re, Erg.



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

Address: INTEREST,
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CANADIAN CUSTOMS TARIFF.

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

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

(Continued from Page 2830.)

P—Packages, that packages shall be subject to the following provisions, viz., (a) All bottles, flasks, jars, demi-johns, carboys, casks, hogsheads, pipes, barrels, and all other vessels or packages, manufactured of tin, iron, lead, zinc, glass, or any other material capable of holding liquids, and all packages in which goods are commonly placed for home consumption, in-

cluding cases, not otherwise provided for, in which bottled spirits, wines or malt liquors or other liquids are contained, and every package being the first receptacle or covering inclosing goods for purposes of sale, shall in all cases, not otherwise provided for, in which they contain goods subject to an ad valorem duty or a specific and ad valorem duty, be charged with the same rate of ad valorem duty, as is to be levied and collected on the goods they contain, and the value of the packages may be included in the value of such goods; (b) All such packages as aforesaid containing goods subject to a specific duty only,

John Smith,

Keighley, Yorks,
ENGLAND.

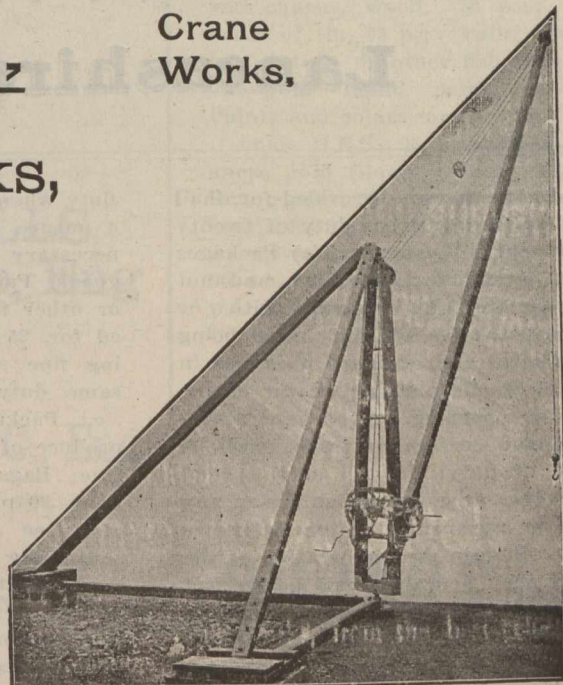
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SPECIALITIES

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And Derrick Cranes.

Nat. Telephone, 29 Keighley.

Telegraphic Address: "CRANES, KEIGHLEY."



DERRICK CRANE.
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Morecambe Pier (East View),

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THE WIDNES FOUNDRY CO.

WIDNES,

Lancashire, - - England.

and not otherwise provided for, shall be charged with a duty of twenty per cent ad valorem; (c) Packages not hereinbefore specified, and not herein specially charged with or declared liable to duty, and being the usual and ordinary packages in which goods are packed for exportation, according to the general usage, and custom of trade, shall be free of duty; (d) All such special packages or coverings as are of any use, or apparently designed for use other than in the importation of the goods they contain, shall be subject to the same rate of duty as would thereon be levied if imported empty or separate from their contents; Packages inside, or outside containing free goods shall be exempt from

duty when the packages are of such a nature that their destruction is necessary in order to release the goods; Packages containing oysters or other fish not otherwise provided for, 25 p.c.; Packages containing fine salt, N.E.S., to pay the same duty as if imported empty, &c.; Packages containing fish and produce of fish from Newfoundland, free; Bags containing flour, wheat flour, 20 p.c.; Boxes containing apples, see Apples, 20 p.c.; Barrels containing apples, free; Packages, approximate value of, see Packages at end of tariff; Packages, carboys and demijohns, empty or otherwise 30 p.c.; Packages, barrels containing salted beef, free; Packages, barrels containing salted pork, free;

Packages, barrels and $\frac{1}{2}$ barrels, containing petroleum, see Barrels, 20c each; Packages, wood, containing molasses, free; Packages, containing goods, paying specific duty, N.E.S., 20 p. c.; Packages, usual packages, in which sugar, not above No. 16D standard, is imported, free; Packages, barrels containing meats, N.E.S., free; Packages, barrels containing wheat flour or cornmeal, free; Packages, bags containing ensilage corn, 20 p.c.; Packages, containing goods, paying a specific and a valorem duty, N.E.S., to pay same rate of ad valorem duty as the goods they contain; Packages of Canadian manufacture which have been exported filled with Canadian products, when returned under such

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The Gardner Oil & Gas Engines,
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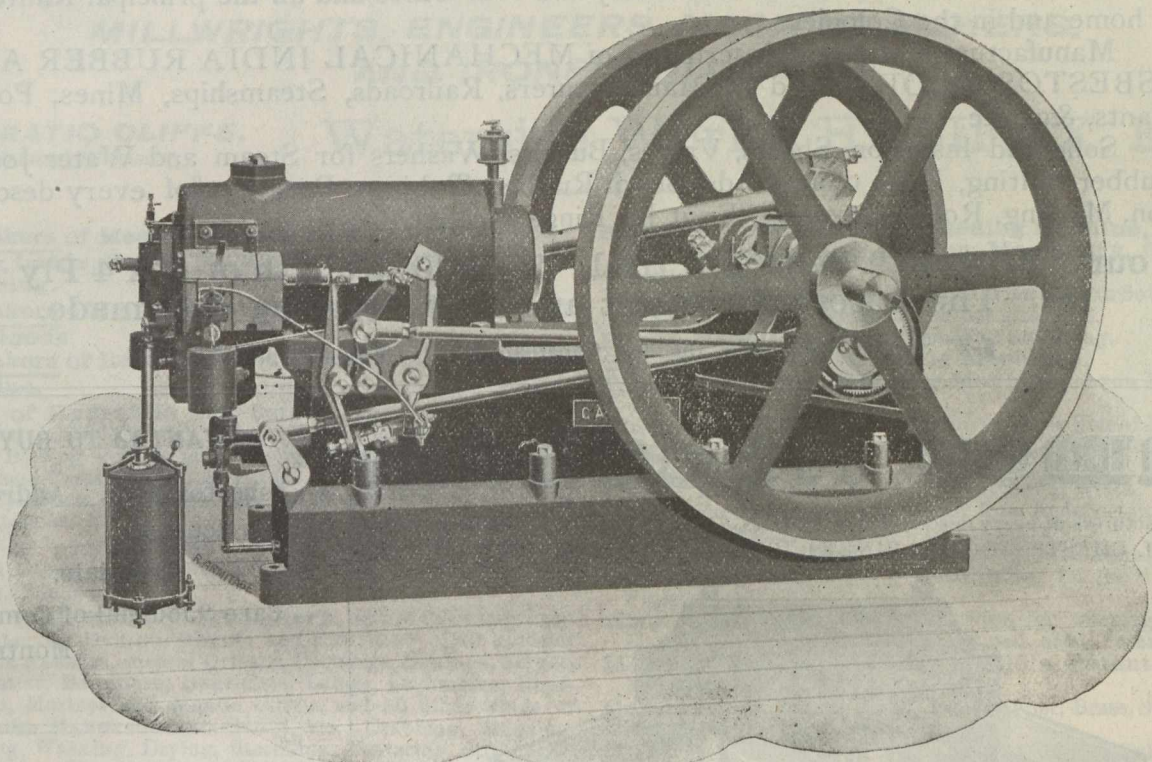


Photo of 20 B. H. P. Oil Engine.

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 Near Ashton-under-Lyne, Eng**

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regulations as the Minister of Customs prescribes, free; Packing, rubber packing, 35 p. c.; Packing, N.E. S., to pay according to material; Pads of paper, not printed, 35 p. c.; Pads, sweat pads, saddlery, 30 p. c.; Pads, stair pads, 25 p. c.; Pails, tubs and churns, wood, 20 p. c.; Pails, made of tin, 25 p. c.; Pails, containing oysters, or other fish, when im- and gold liquid paint, 25 p. c.; Paints and colors, umbers and burnt iennas, N.E.S., 25 p. c.; Paint, Japanese gold (liquid bronze), 25 p. c.; Paint, copper, 25 p. c.; Paints and colors, N.E.S., ground and liquid, 25 p. c.; Painters metal graining combs, 30 p. c.; Painters pallet knives, 30 p. c.; Paintings in oil or water colors by artists of well-known merit, or copies of old masters by such artists not framed, free; on the frames for same 30 p. c.; Paintings in oil or ported, 25 p. c.; Paints and colors, anti-

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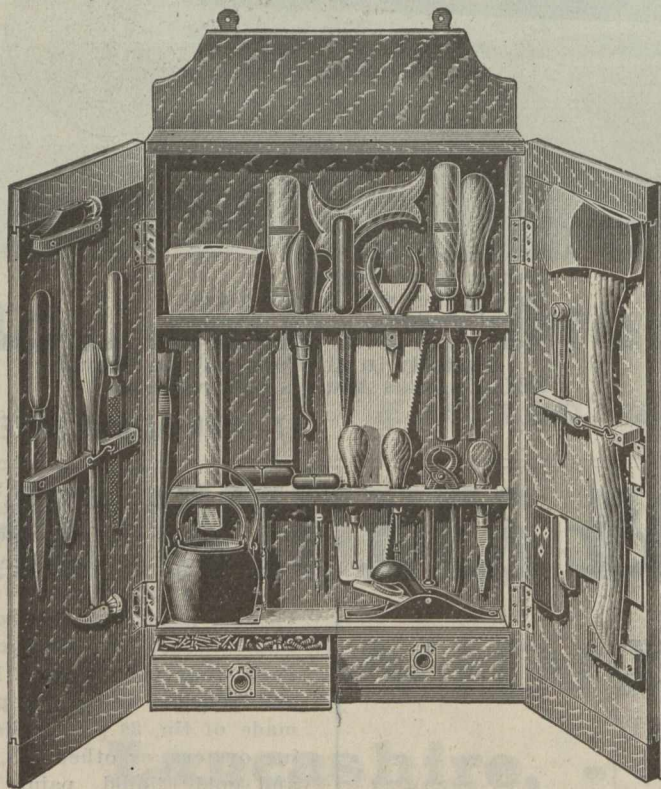
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p.c.; Paints and colors, ochres, ochrey earth, raw siennas, and colours, dry, N.E.S., 20 p.c.; Paints and colors, paris green, dry, 10 p.c.; Paints and colors, paris green in liquid, 25

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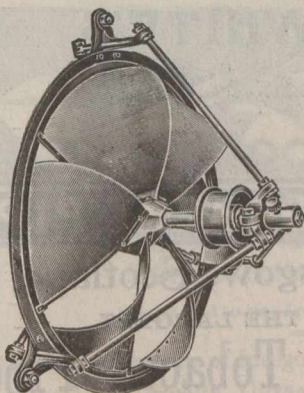
p.c.; Paper, muslin-backed, 35 p.c.; Paper carbon, 35 p.c.; Paper colored on one side, 35 p.c.; Paper, disinfectant paper, 35 p.c.; Paper, carpet lining, 25 p.c.; Paper, mill board, not strawboard, 10 p.c.

(To be Continued.)

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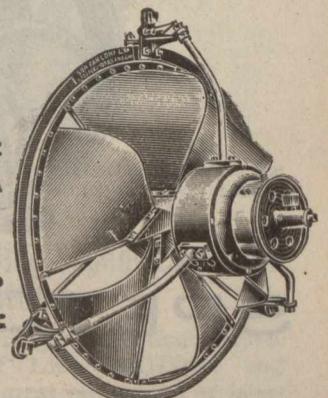
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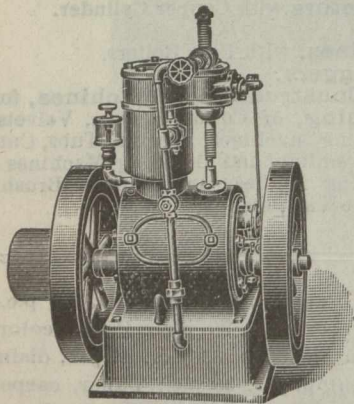
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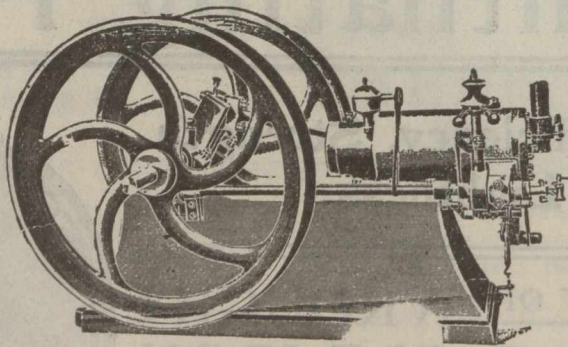
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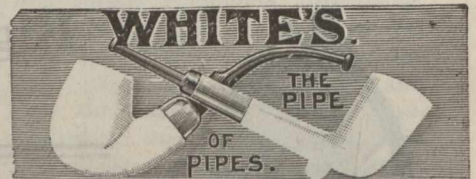
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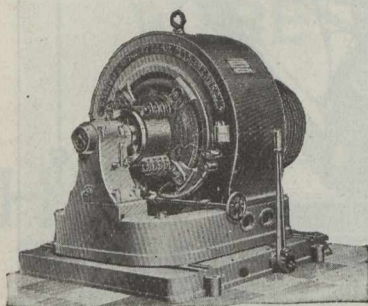
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Special prices to Canadians
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Patent Travelling Biscuit Ovens,
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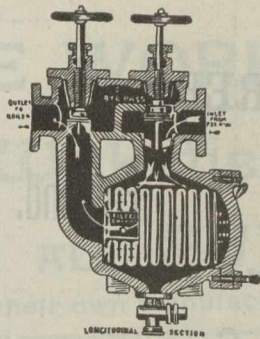
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For Marine and Land Boilers.

Patent Expansive Stop-Valve and
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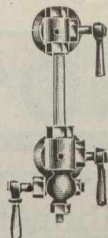
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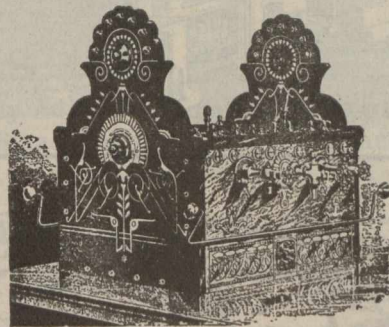


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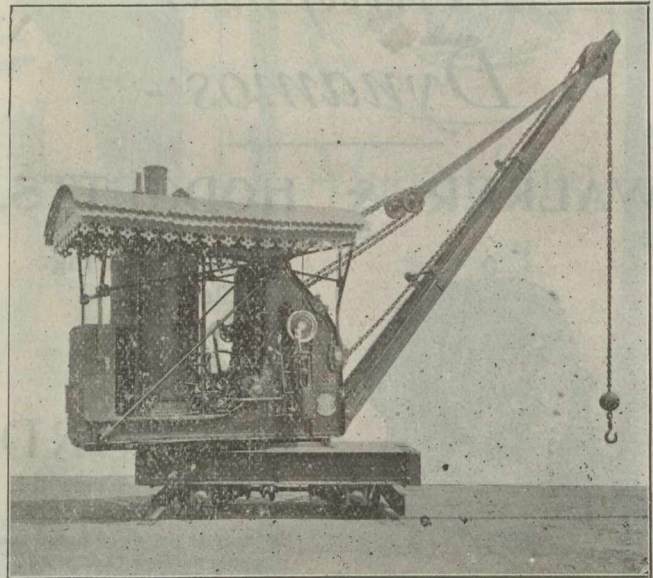
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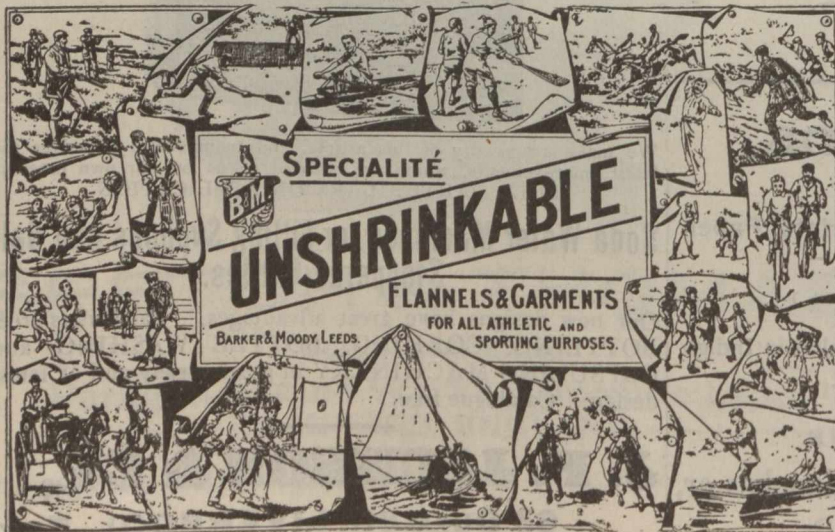
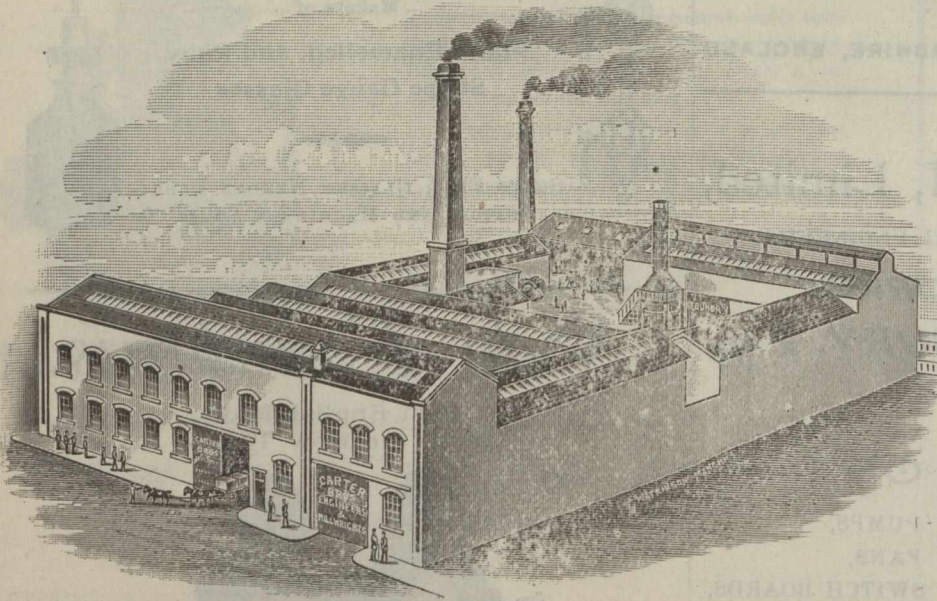
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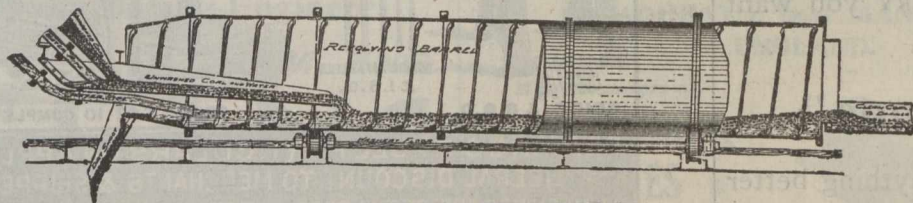
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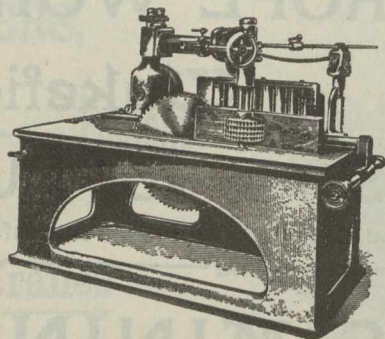
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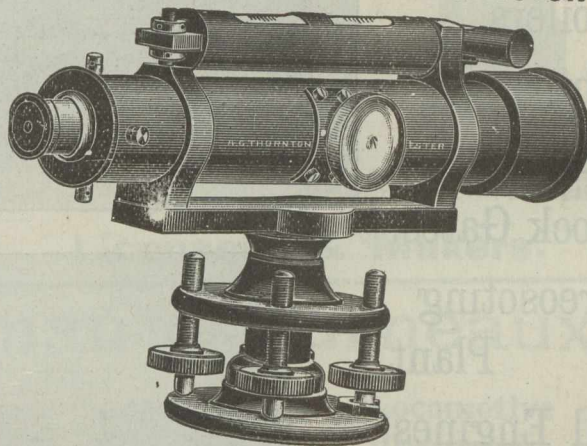
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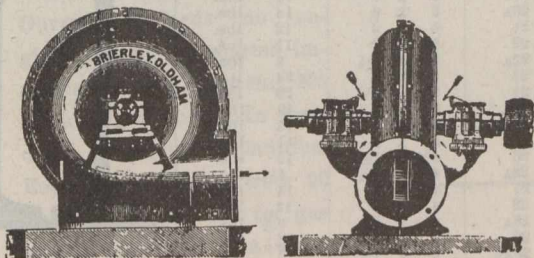
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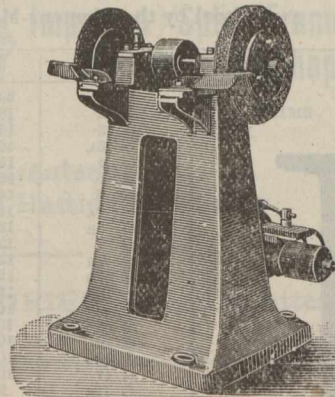
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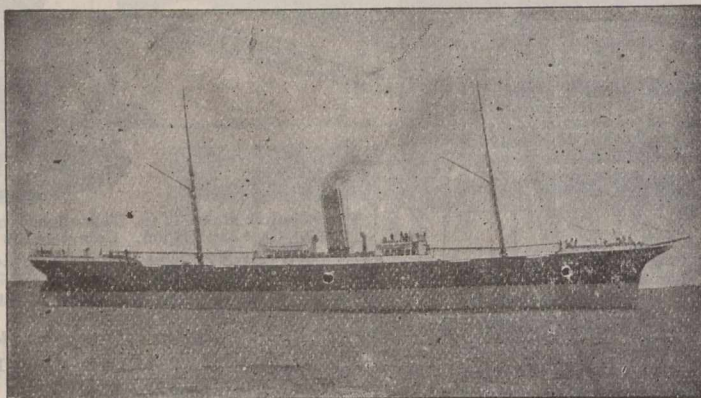
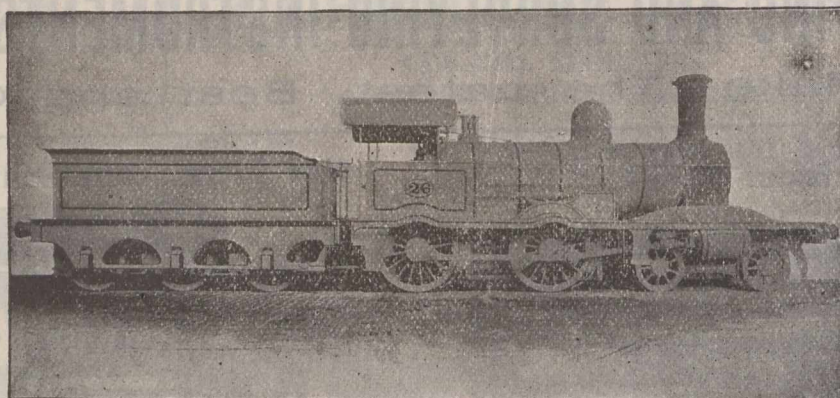
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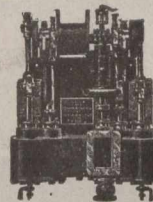
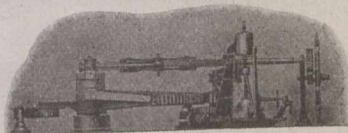
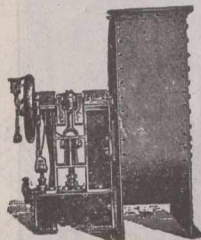
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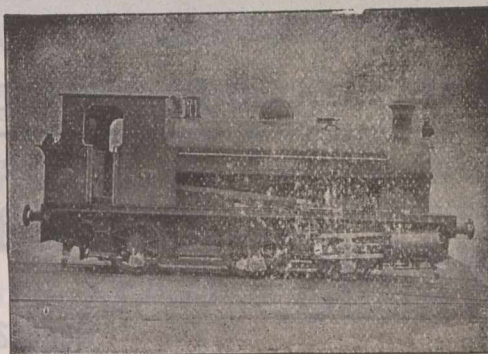
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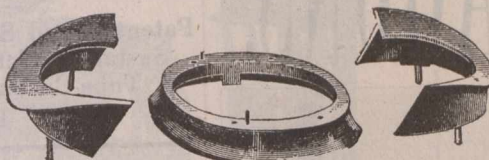
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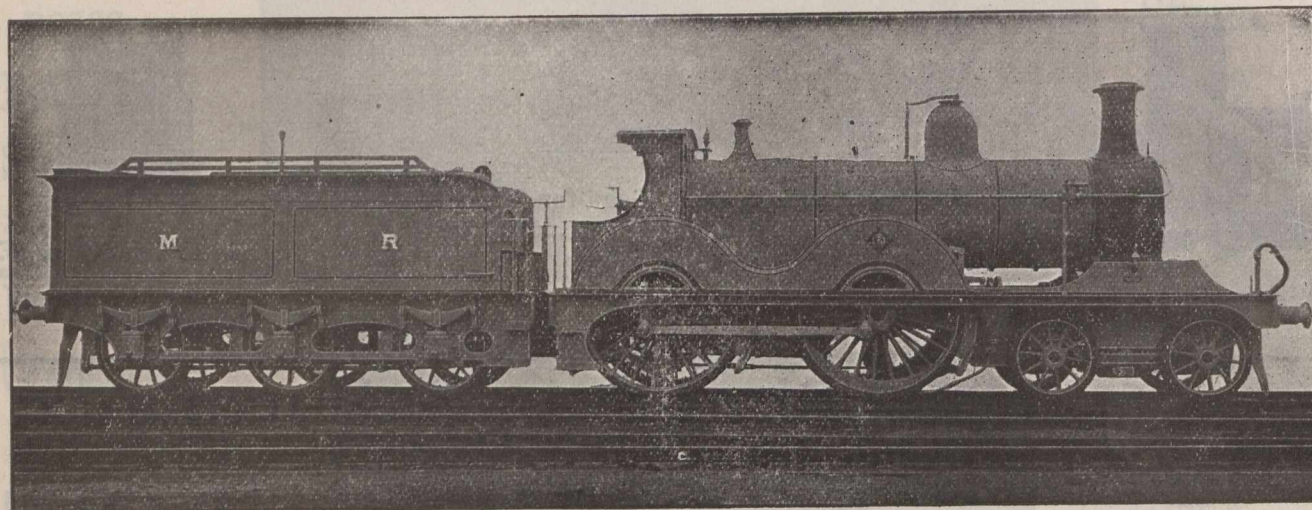
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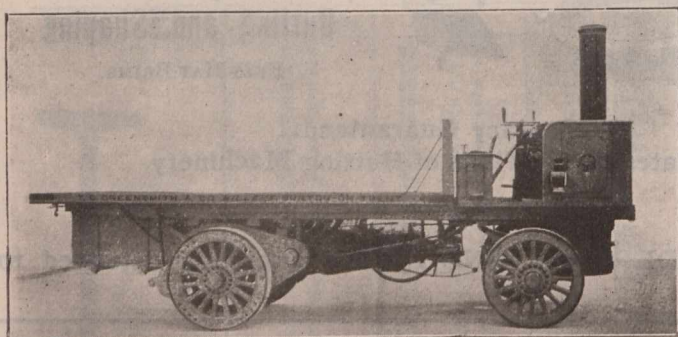
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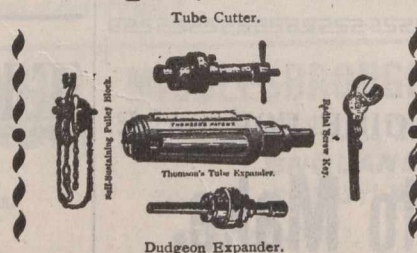
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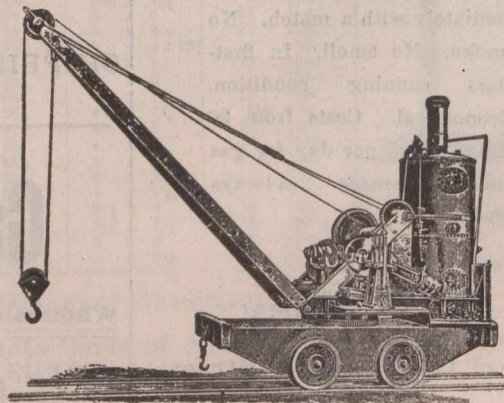


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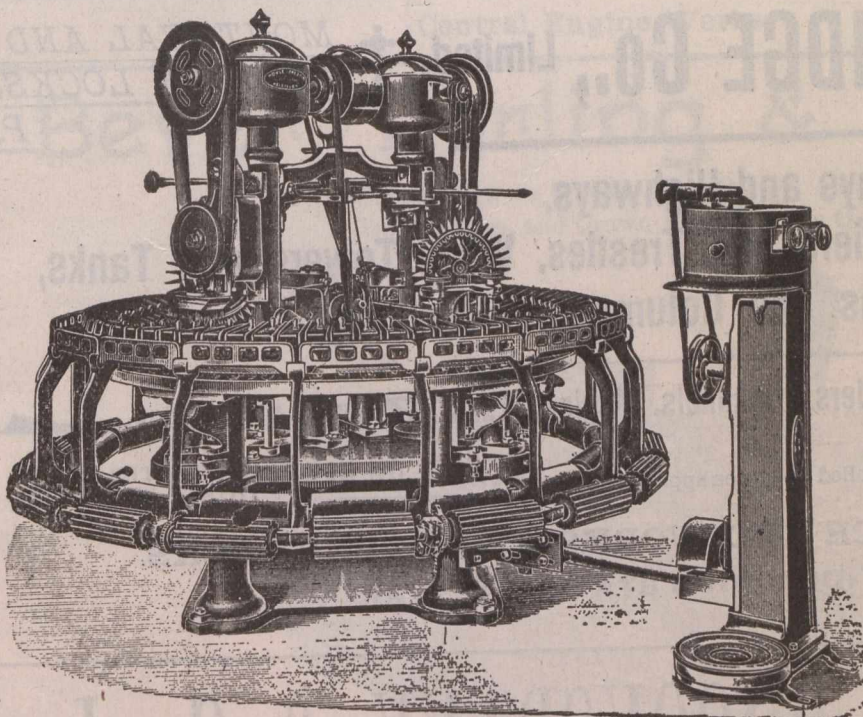
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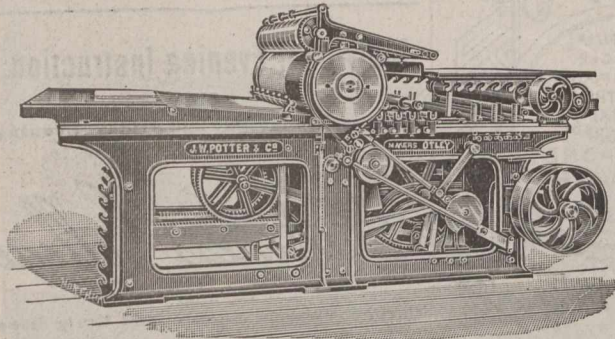
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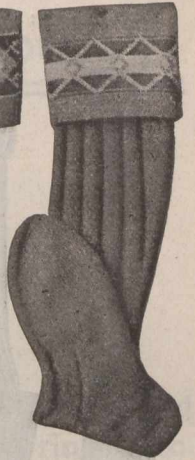
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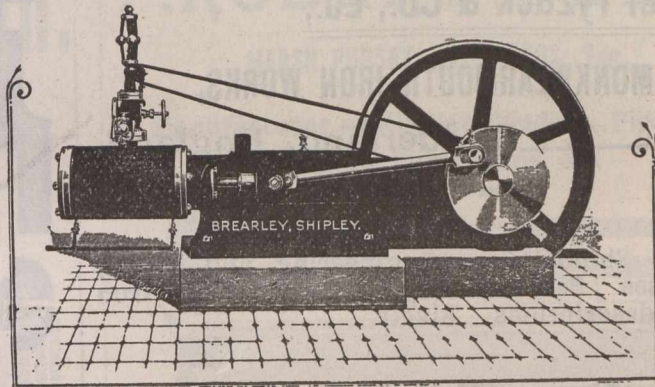
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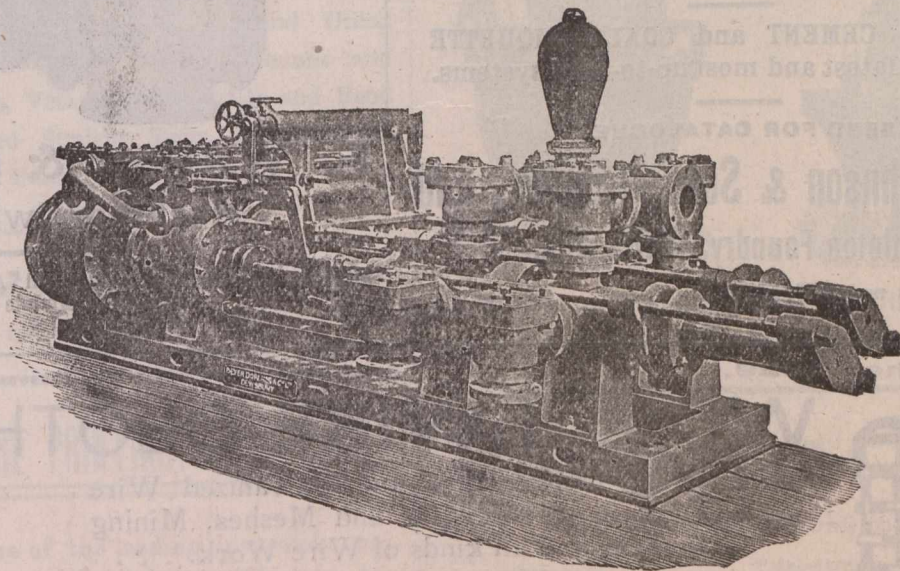
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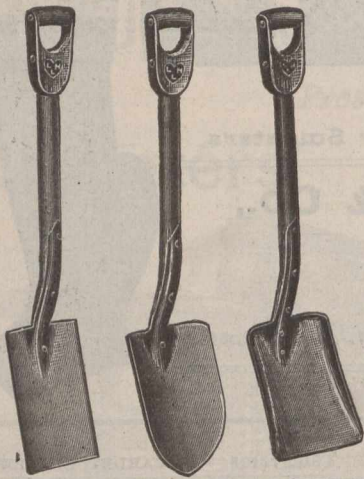
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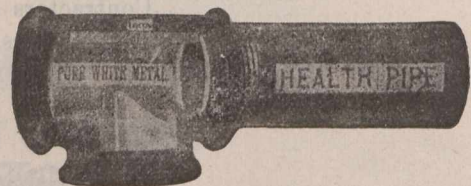
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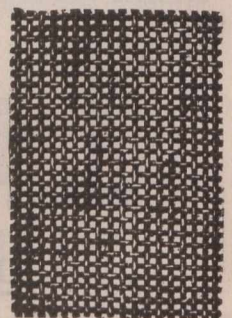
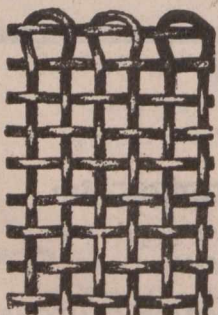
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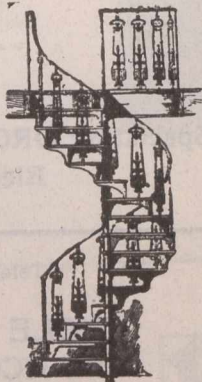
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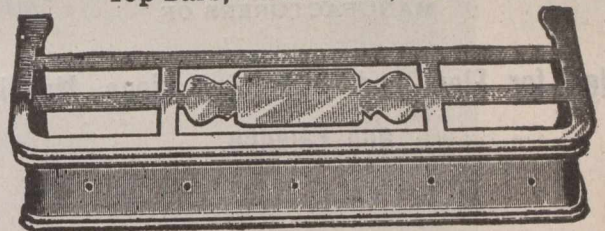
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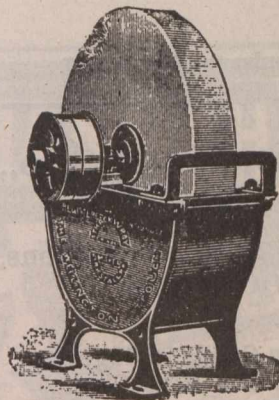
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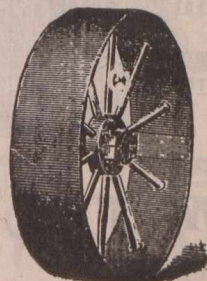


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Debs. 1884, 3 1/2 per cent	102	104	
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Manitoba, 1885-6, 5 p.c.	105	107	
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Canadian Pacific \$100	115 3/4	116 1/4	
Grand Trunk, Georgian Bay, &c. 1st M.	100	102	
Grand Trunk of Canada Ord. stock	9 1/4	9 3/4	
2nd equip. mtg. bds. 6 p.c.	125	128	
1st pref. stock	97 1/2	97 3/4	
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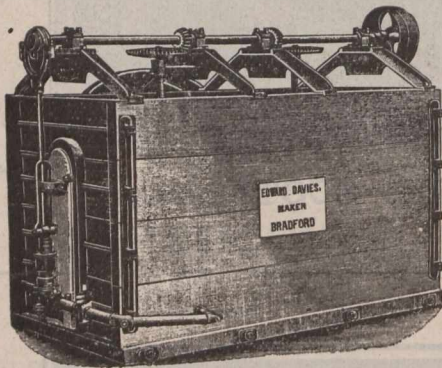
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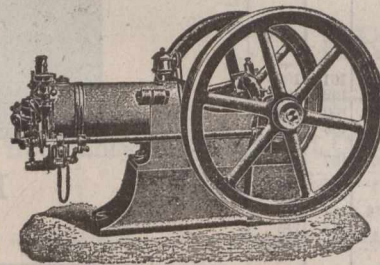
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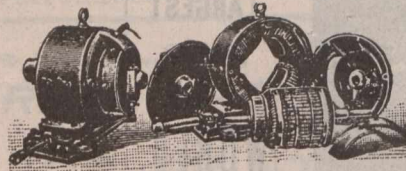
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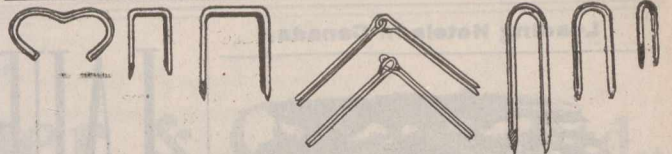
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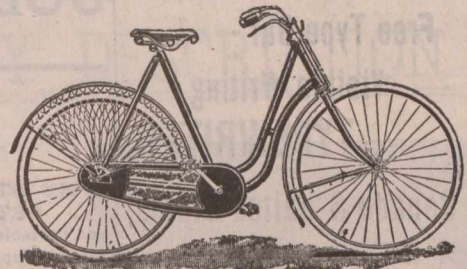
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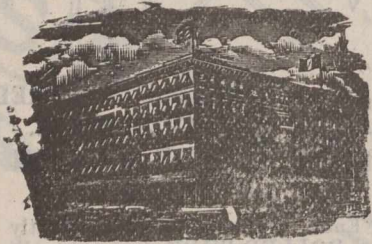
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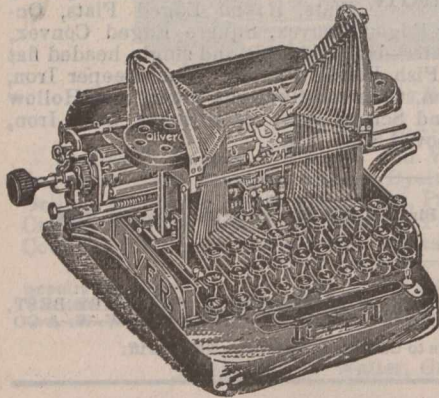
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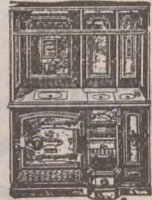
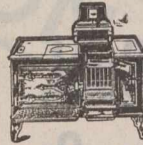
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THE STEVENSON BOILER, MACHINE SHOP AND FOUNDRY WORKS AT PETROLIA, ONT., (now of twenty years' standing), continues to make Marine, Stationary and Portable Boilers of all kinds. The Canadian Oil Wells and Refiners and Mills in this section are nearly entirely supplied with Boilers and other Plate Work from this shop; while for well-drilling purposes it has sent many boilers to Germany, Austria, India and Australia. It also makes Oil Stills, Tanks, Bleachers and Agitators, Salt Pans, Steam Boxes for Stave and Hoop Mills, and any desired work in Plate or Sheet Steel or Iron, as well as all productions of Machine Shops, including Steam Engines and Castings in Iron and Brass.

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

ARTHUR KAVANAGH,

J. H. FAIRBANK,

Manager.

Proprietor.

Telegraphic Address: "PATELLA, PAISLEY."

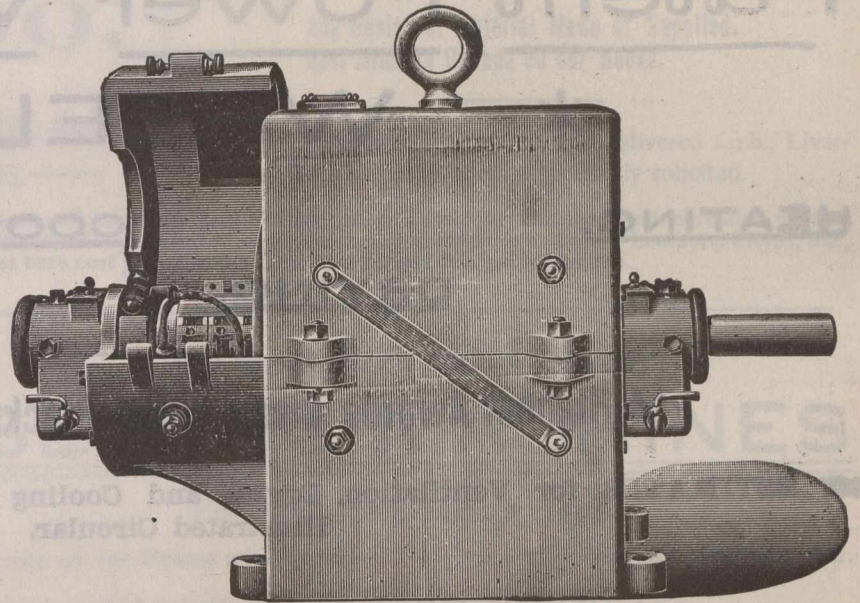
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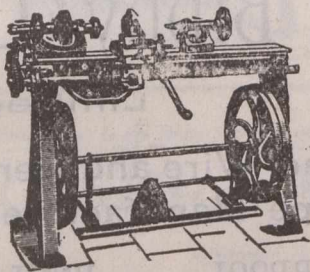
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ENCLOSED TYPE MOTOR.

Superior Foot, Power & Turret **LATHES**

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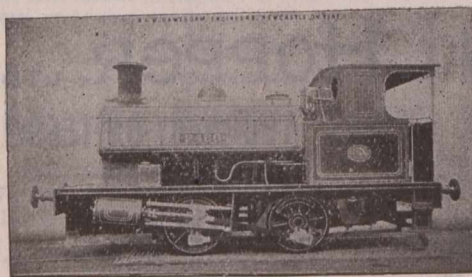
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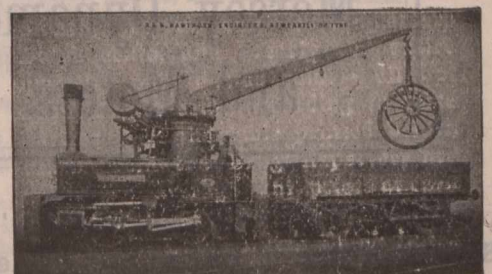


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SPECIALITIES. Combined Crane and Locomo-
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**Patent Power Ventilating
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HEATING.

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14 Highest Awards Given to the Blackman Air Propellor.

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

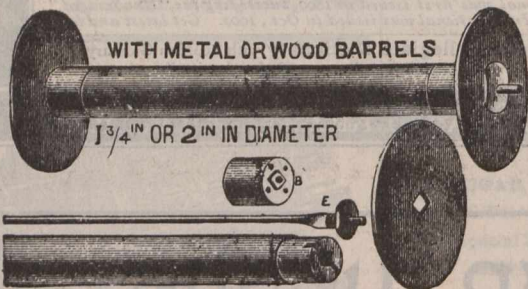
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JOHN KAY,

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Crown Works, Walker St., ROCHDALE, Eng.

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WITH METAL OR WOOD BARRELS

1 3/4" OR 2" IN DIAMETER

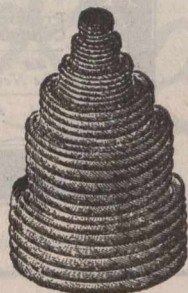
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Manufacturers of
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For Collieries, Mines, & all Hauling & Lifting purposes.

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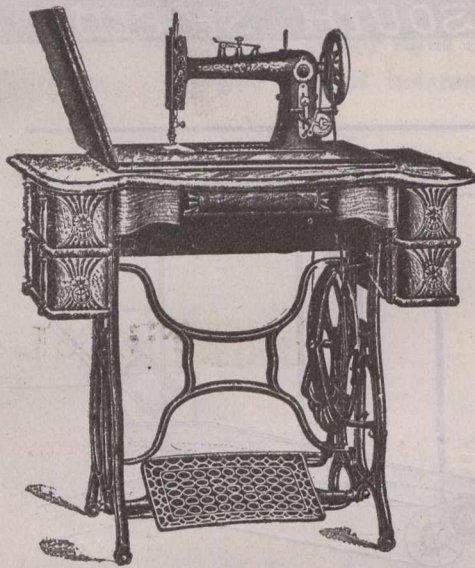
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Will much esteem Canadian Orders and guarantee all and every item of Carriage, two and four-wheeler trimming which we will supply to be the very best. Our Motto is:—Very reasonable prices and genuine material and fastest colours. Leathers, Cloths, &c., not our actual manufactures best makes supplied at bare cost prices, when ordered with our own manufactures.

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Any Design or Material Made or Supplied.
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N.B.—Goods carefully packed and delivered f.o.b., Liverpool. Trial Orders respectfully solicited.



We make High Grade Family SEWING MACHINES

For the Merchant's Trade

Write us for Prices and Terms.

We can interest you.

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Factory and General Office:

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Contractors to the British Admiralty and India Office.

H. Charlton & Co.,

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Gateshead-on-Tyne, - England.

Telegraphic Address: "CHARLTON HAWKS, GATESHEAD."

YOU WANT **ANCHORS?**

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



YOU WANT **FANS?**

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

Sole Manufacturers of

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

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

We have orders now in hand for over 800 tons of our Anchors for British Admiralty alone.

Journal of Commerce Job
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JOHN SPENCER & SONS, L^TD.,

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Offices: { Newcastle-on-Tyne: 27 Westgate Road,
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MANUFACTURERS OF STEEL

By the Siemens', Cementation, and Crucible Processes.

SHIP and BOILER PLATES up to 11 Feet Wide.

Ingots, Slabs, Blooms, Billets, and Bars of all sizes.

Rivet Steel. Special Mild Steel for Boiler Flues.

STEEL FORGINGS, STEEL CASTINGS,

Of all descriptions, to any weight, Rough or Machined.
CRANK AXLES & SHAFTING HYDRAULIC PRESSED.

Springs.—Laminated, Volute, Patent Improved Volute, Conical, Spiral (Original Manufacturers of Volute Springs).

Buffers, of Wrought and Cast Iron, of all descriptions. Best Cast Steel for Tools from finest Dannemora Brands. Best Cast Steel Files. IRON FORGINGS of all kinds.

FOSTER'S & FOWNES' Patent CRANK SHAFTS.

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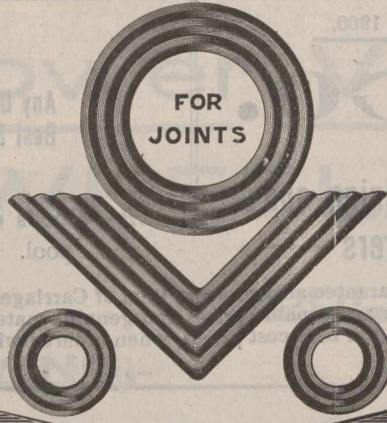
Special price to Canadians under the New Tariff.

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

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



METALLIC PACKING.

& SPANISH ROYAL NAVAL COMMISSION

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

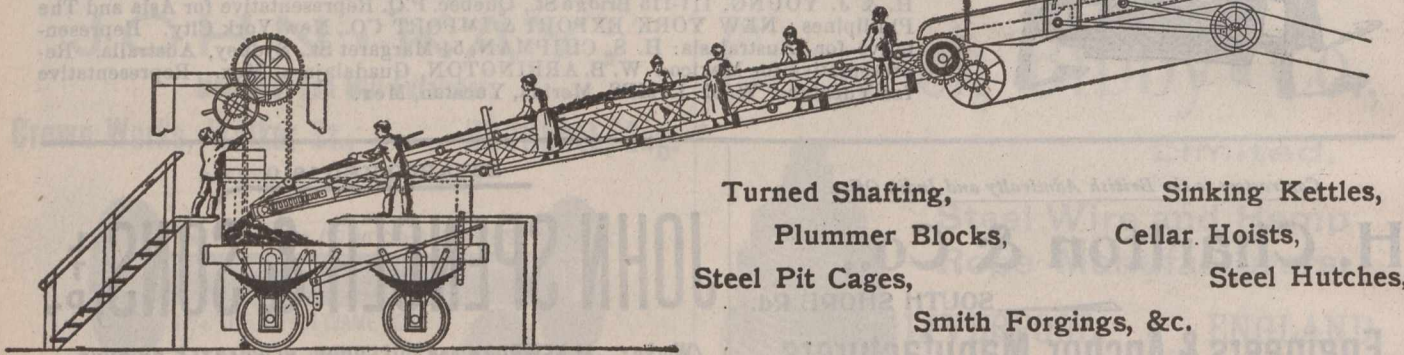
THESE RINGS MANUFACTURED IN BRASS COPPER GUN METAL & STEEL
& NICHOLSON
SOUTH SHIELDS

ANDERSON BROS.,

Engineers and Manufacturers,

Crown Smith Works, COATBRIDGE, SCOTLAND.

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



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

L. WRIGHT & SON,

WRIGHT'S CELEBRATED NAVY BISCUITS.

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

Established over 100 Years.

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

AMOS COWEN,

Builder & Contractor

294 Peel Street,
MONTREAL, Que.

Insurance.

The Federal Life ASSURANCE COMPANY.

HEAD OFFICE, HAMILTON, CANADA.

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

MOST DESIRABLE POLICY CONTRACTS.

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

Insurance.

British * America ASSURANCE COMPANY.

HEAD OFFICE, - - - TORONTO,

Incorporated 1833.

FIRE AND MARINE.

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

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

The Mutual Life INSURANCE COMPANY

OF NEW YORK.

RICHARD A. McCURDY, President.

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

Assets, - \$184,935,690.80

Reserve on Policies (American Table, 4 p.c.)..... \$168,221,916
 Liabilities other than Reserve 1,623,951
 Surplus..... 15,089,822
 Receipts from all sources 41,953,145
 Payments to Policy holders..... 20,885,472
 Whole Life Risks assumed and renewed, 219,368 policies 637,726,276
 Risks in force : 273,213 policies, amounting to..... 801,867,478

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

AGENTS WANTED. Apply to

FAYETTE BROWN, Manager, MONTREAL.

(FOUNDED 1825.)

Law Union & Crown Ins. Co.,

(OF LONDON.)

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

Fire risks accepted on most every description of insurable property.

Canadian Head Office : BEAVER HALL, MONTREAL

J. E. E. DICKSON, Manager.

Agents Wanted throughout Canada.

Scottish Union and National INSURANCE COMPANY.

Of Edburgh, Scotland.

ESTABLISHED 1804.

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

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

THE NORTH AMERICAN LIFE ASSURANCE COMPANY.

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

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

Assets.....\$3,977,263.83
 Cash Income..... 1,005,970.55
 Net Surplus..... 500,192.39
 Insurance in Force..... 25,575,142.00

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

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

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

OILS.

The IMPERIAL OIL COMPANY, Ltd.

—REFINERS AND MANUFACTURERS OF—

CANADIAN PETROLEUM PRODUCTS,

Under New Patent Process

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

Refineries: SARNIA and PETROLIA, Ont.

Branches:

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

—SELLING AGENTS FOR PROVINCE OF ONTARIO—

The QUEEN CITY OIL COMPANY, Limited,

Head Office: TORONTO, Ont.

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

NEW YORK LIFE

INSURANCE COMPANY.

JOHN A. McCALL, President.

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

AN UNPARALLELED RECORD.

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

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

R. HOPE ATKINSON.

AGENCY DIRECTOR,

Company's Building, MONTREAL

J. DUNCAN DAVISON

Imperial Bdg. 107 St. James Street,
Montreal.

COMMISSIONER

For Following Provinces:

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

LIVERPOOL & LONDON & GLOBE

INSURANCE COMPANY.

Available Assets, - - \$61,187,215

Funds Invested in Canada, - \$3,300,000

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

Canada Board of Directors:

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

Head Office, Canada Branch:

MONTREAL.

THE WATERLOO MUTUAL

Fire Insurance Company.

Established in 1863. Head Office, Waterloo, Ont.

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

GEORGE RANDALL, Esq., President; JOHN SHUH,
Esq., Vice President; Frank Height, Esq., Manager;
John Killer, Esq., Inspector.

UNCONDITIONAL POLICIES

ARE ISSUED
BY THE . . .

CONFEDERATION LIFE ASSOCIATION.

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

Full information sent on application.

H. J. JOHNSTON,

Prov. Manager,

174 ST. JAMES ST.,
MONTREAL.

W. C. MACDONALD,

Actuary.

J. K. MACDONALD,

Managing Director.

Head Office, - TORONTO.

Royal-Victoria Life Insurance Company.

CAPITAL, - - \$1,000,000.

HEAD OFFICE:

MONTREAL.

INCREASE IN BUSINESS IN 1900, COMPARED WITH 1899.

Interest.....	\$ 9,001.79	Increase over 1899.....	20 per cent
Premiums.....	86,416.79	Increase over 1899.....	42 "
Total Cash Income.....	95,420.47	Increase over 1899.....	40 "
Reserves, Government Standard.....	120,638.21	Increase over 1899.....	70 "
Insurance in Force.....	2,116,880.00	Increase over 1899.....	24 "

DEPOSITED with the Canadian Government for the protection of Policy-holders, \$153,000.

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

B. S. & W. WHITELEY

Press
Paper
Manufacturers,

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

WESTERN ASSURANCE COMPANY.

FIRE AND MARINE. Incorporated 1851.

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

Head Office. - Toronto, Ont.

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

Montreal Branch, - - 189 ST. JAMES STREET.

ROBT. BICKERDIE, Manager.

ROUTH & CHARLTON, City Agents.

THE IMPERIAL INSURANCE COMPANY LIMITED

FIRE.
LONDON.

ESTABLISHED 1803.

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

Canadian Branch:

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

NATIONAL ASSURANCE COMPANY

OF IRELAND.

ESTABLISHED 1822.

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

Canadian Branch:

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

H. M. LAMBERT, - MANAGER.

DISTINCTIVE QUALITIES

—OF—

**North Star, Crescent
and Pearl Batting.**

Purity, Brightness, Loftiness.

No Dead Stock, oily threads nor miserable yellow fillings of short staple. Not even in lowest grades. Three grades—Three prices and far the best for the price.

COMMERCIAL UNION

ASSURANCE CO., Ltd.,

Of London, England.

FIRE LIFE MARINE

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

HEAD OFFICE, Canadian Branch, - MONTREAL
JAMES McCREGOR Manager.