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



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



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



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



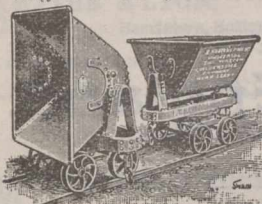
76—Hand Trolley, made to carry any weight or to suit any rail gauge.



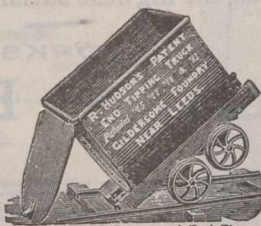
70—R. H.'s Patent Steel Mining Wagon



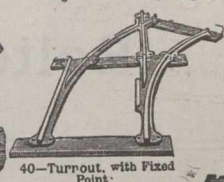
43—R. H.'s Patent Railway for Bolts, Rivets, or Large Parts. Will last ten times as long as the ordinary kind. Guaranteed fit through satisfactory



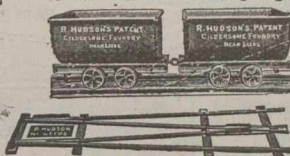
60—R. H.'s Patent Double-Centre Universal Tip Wagon tipping either Endways or Sideways at will



1—R. H.'s Patent Steel End Tip Wagon



40—Turnout, with Fixed Point



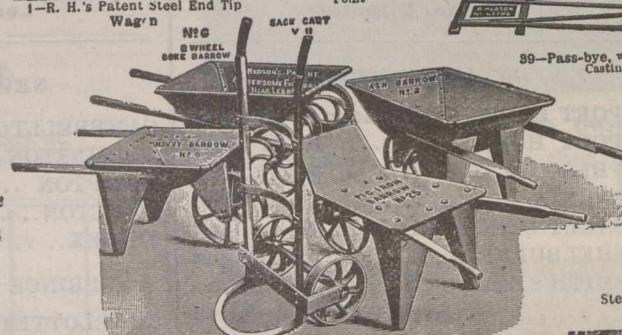
39—Pass-by, with Fixed Points Castings only



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



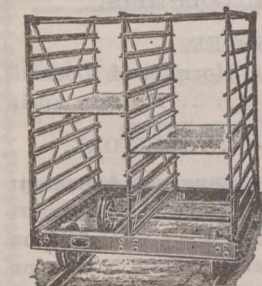
27—Hopper Wagon, with Slide Door



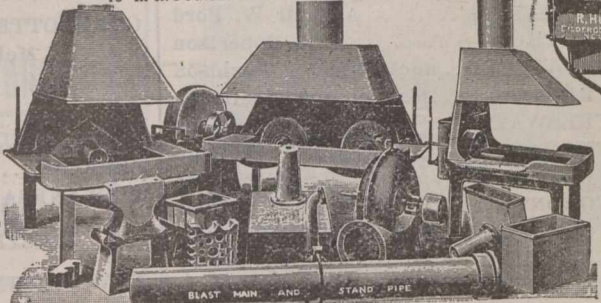
13—R. H.'s Patent Steel Barrows. Practically indestructible



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



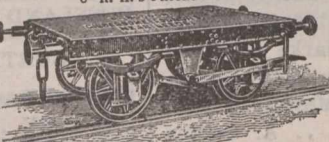
68—Cake Drying Wagon



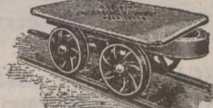
6—R. H.'s Patent Iron Smith's Hearths. No Brickwork required



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



56—10-Ton Platform Railway Wagon



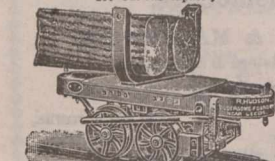
58—Steel Plate Bogie



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.



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



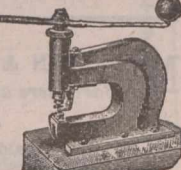
70—Foundry Fetting Box



57—Steel Coal Box with Drop Bottom



4—Purcase Coal Wagon



38—Fly Punch



68—Foundry Ladle



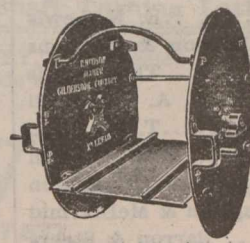
Self-lighting Steel Tip Bucket. Held with Patent Self-acting Catch if needed



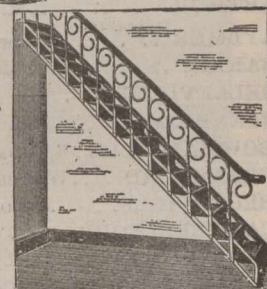
61—Rope Bucket, with R. H.'s Patent Catch for Wire Rope Transfers



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



78—Tippler for Mining Wagons



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



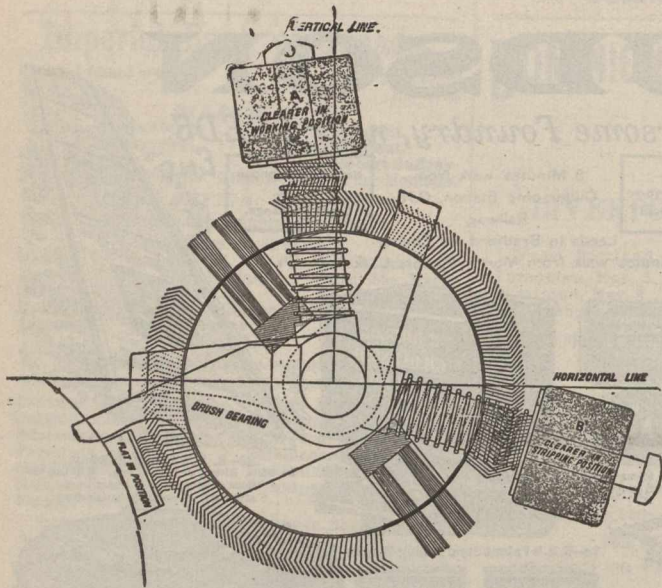
Steamship Barrow. Drawing V 10



10—Left-hand Steel Points & Crossing



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



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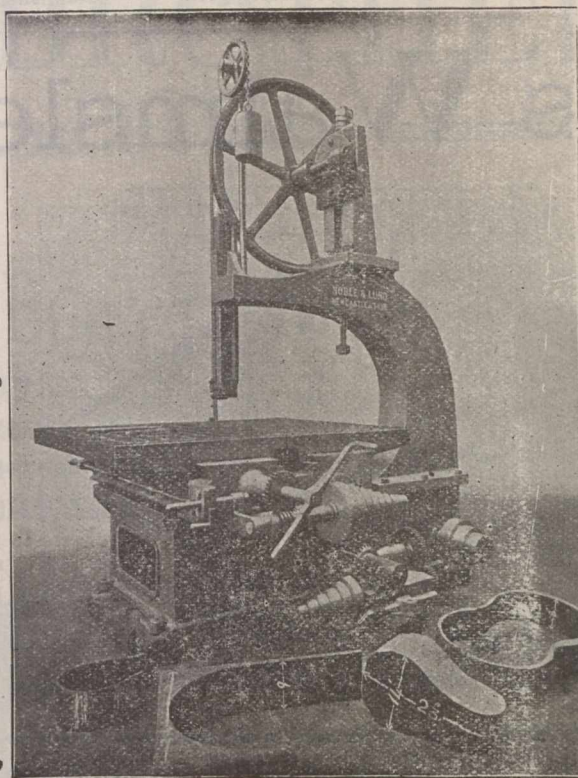
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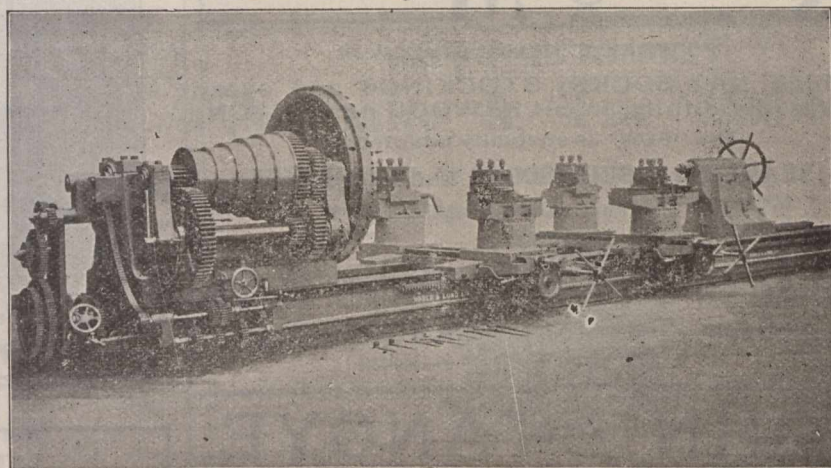
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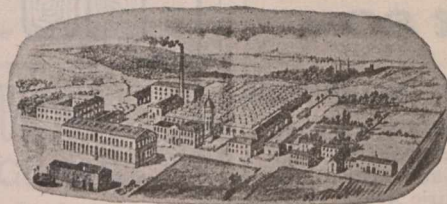
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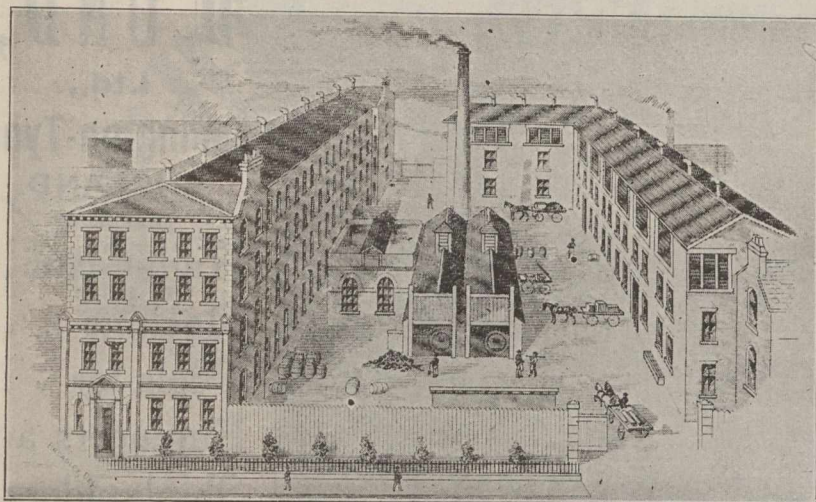
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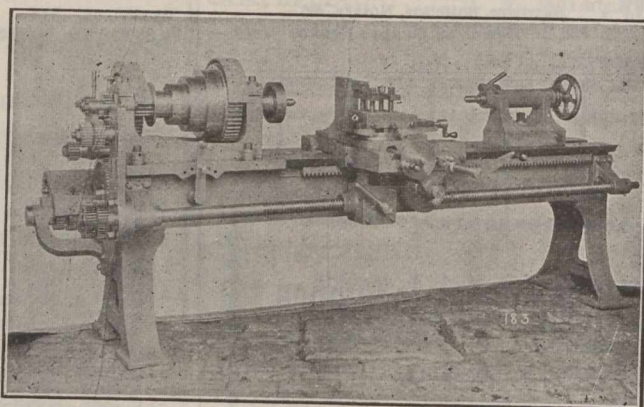
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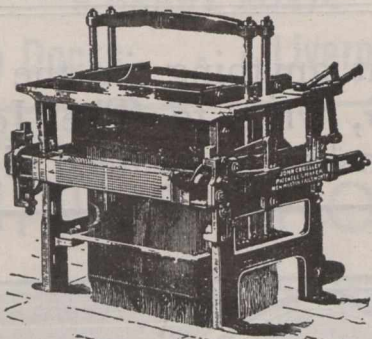
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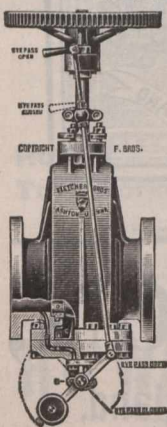
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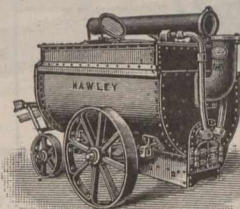
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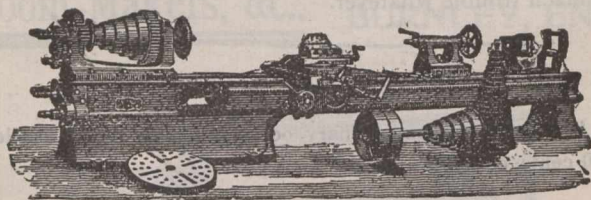
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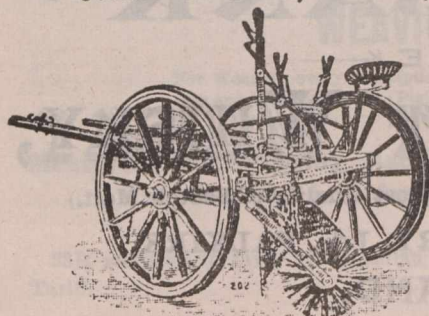
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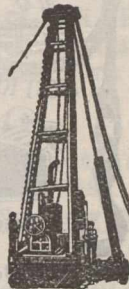
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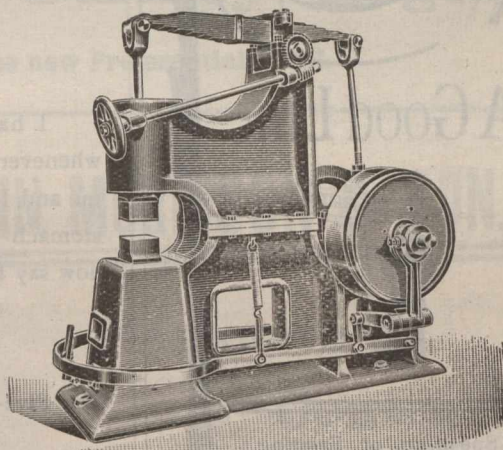
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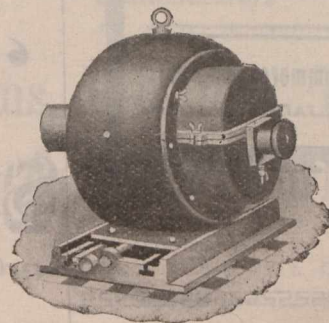
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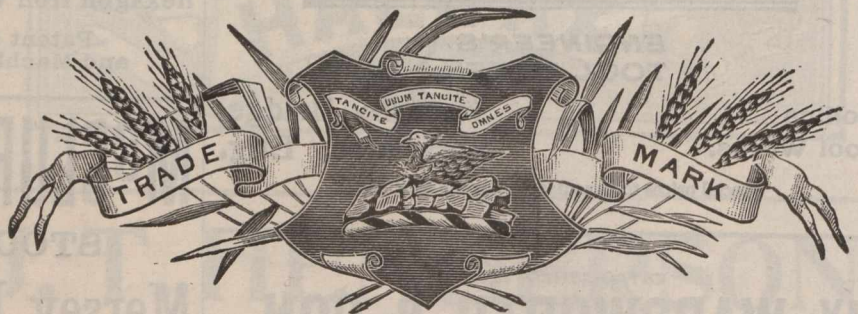
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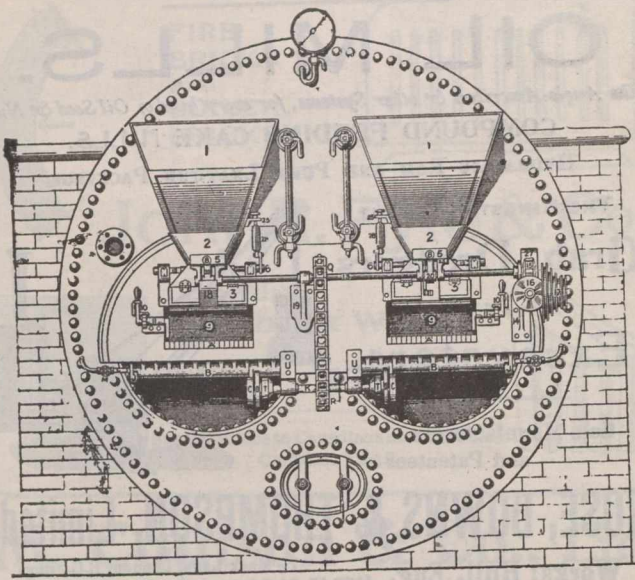
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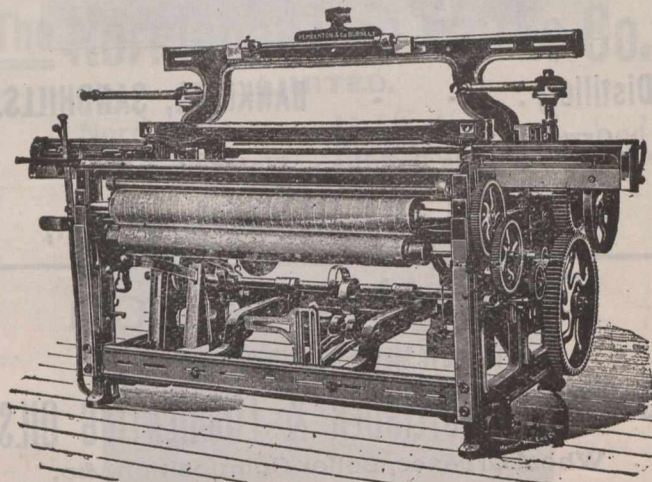


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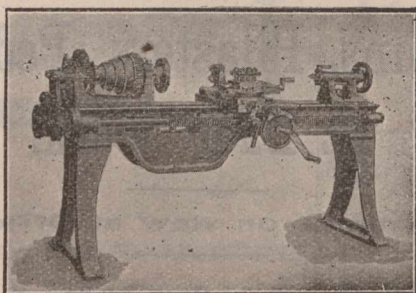
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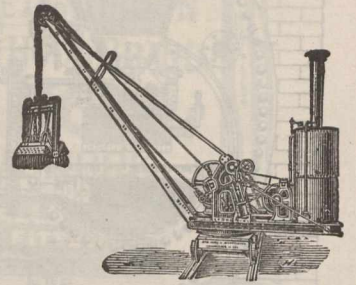
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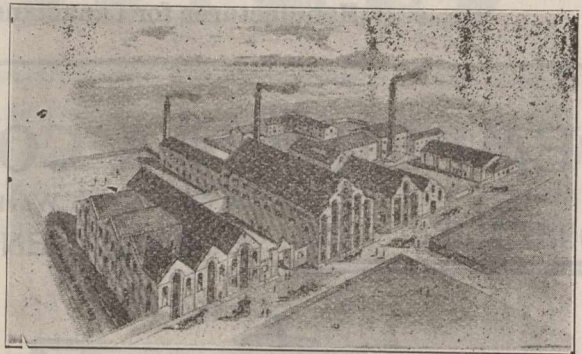
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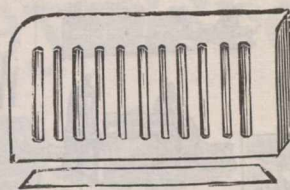
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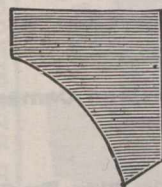
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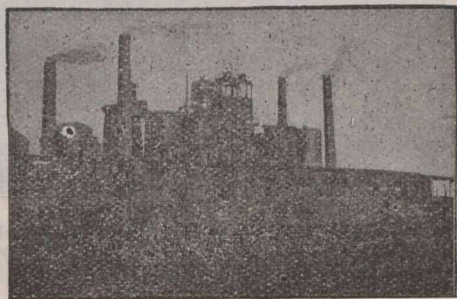
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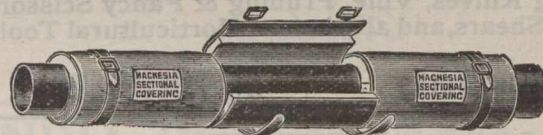
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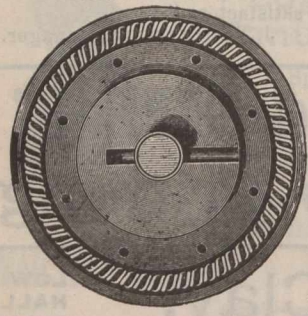
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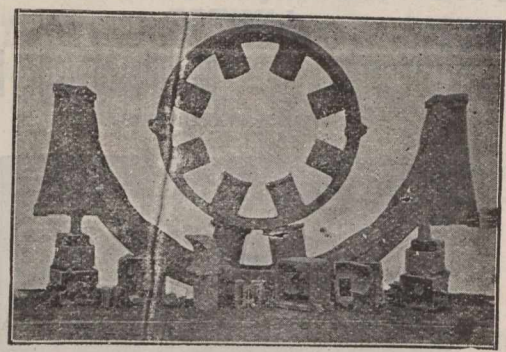


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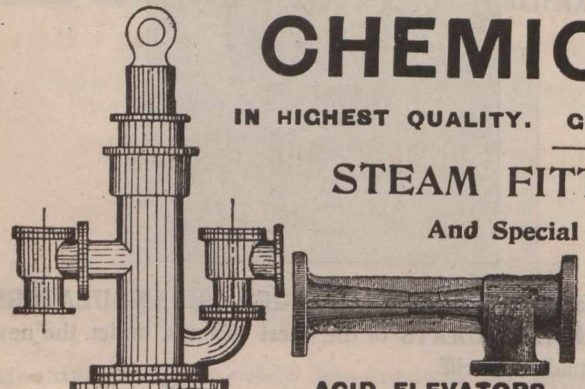
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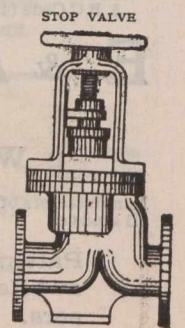
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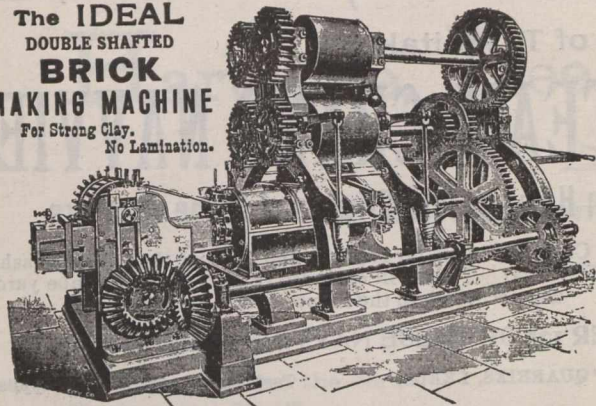
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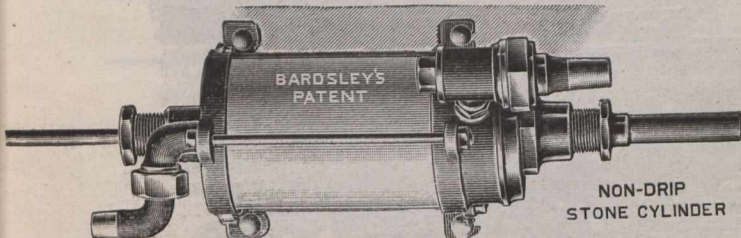
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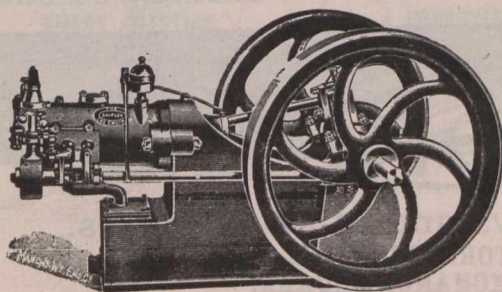
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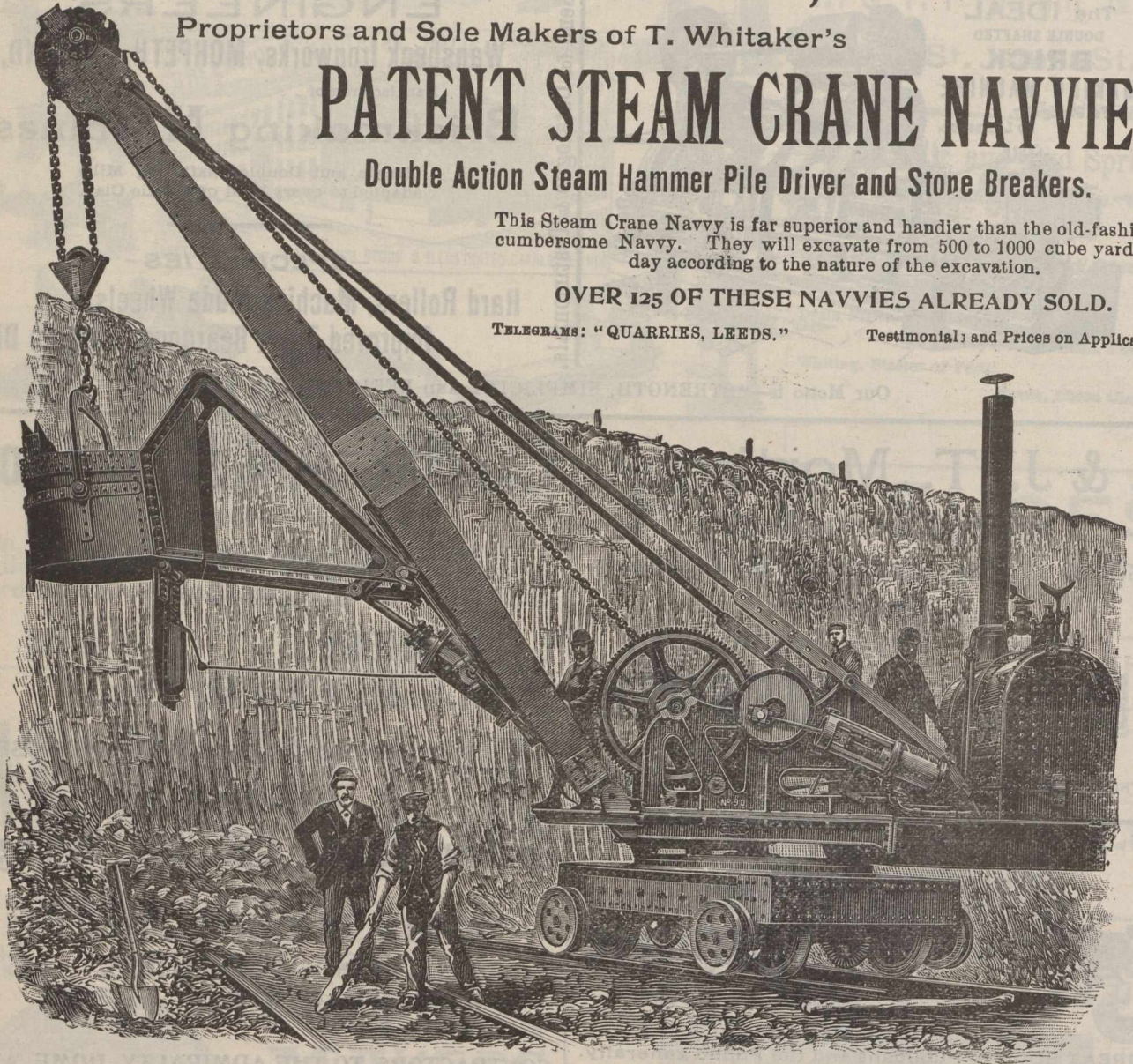
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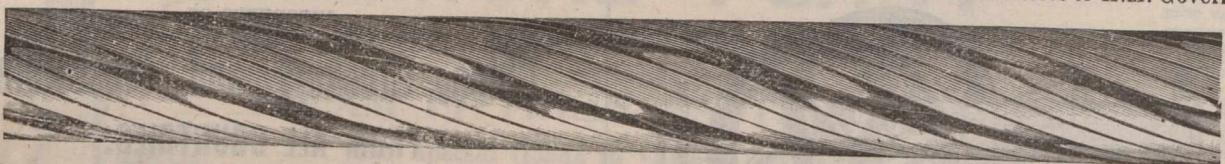
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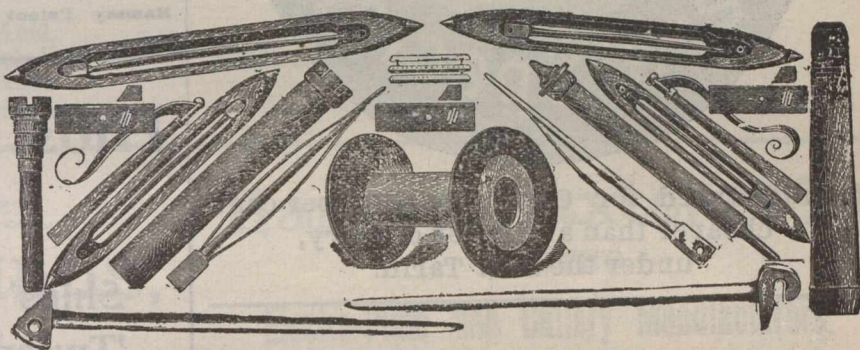
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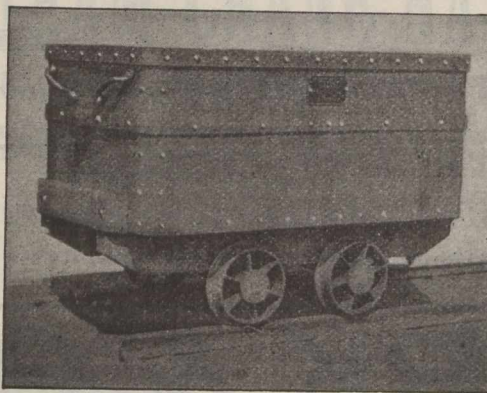
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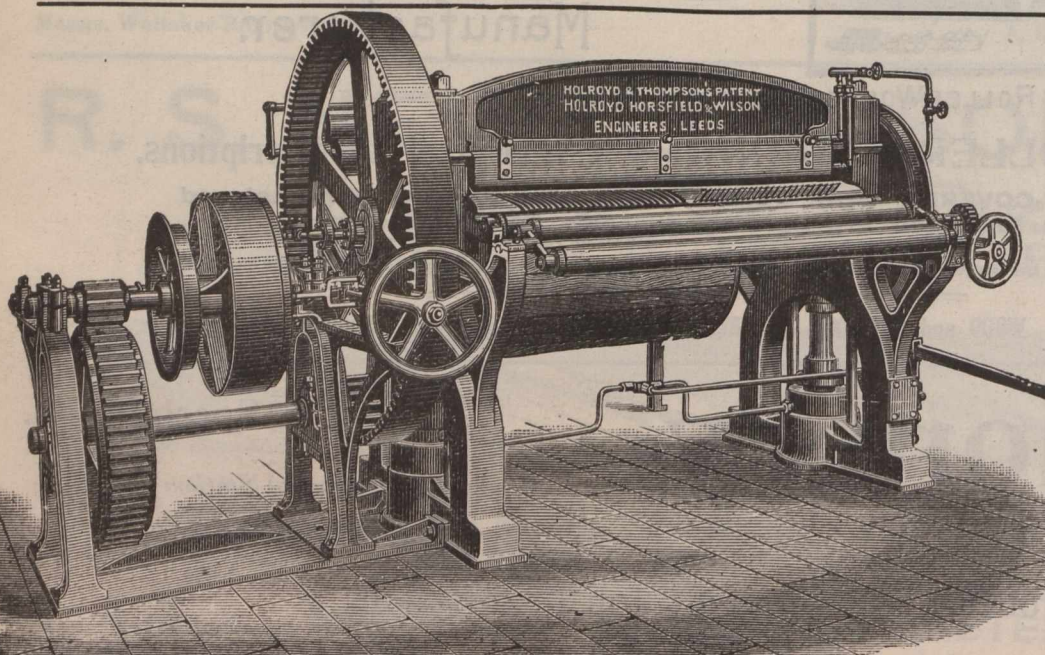
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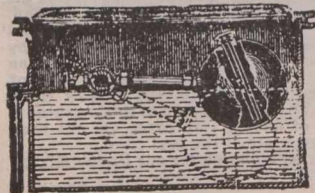
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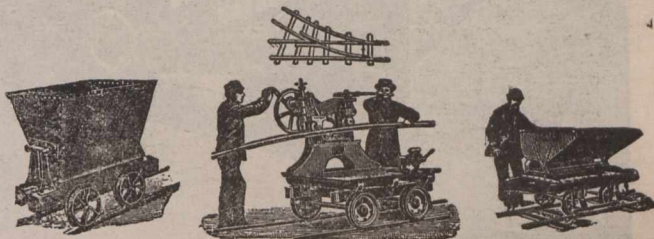
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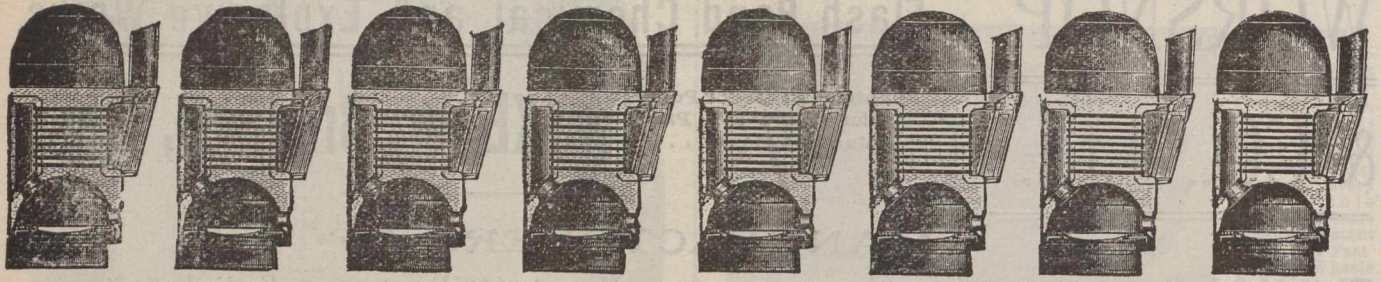
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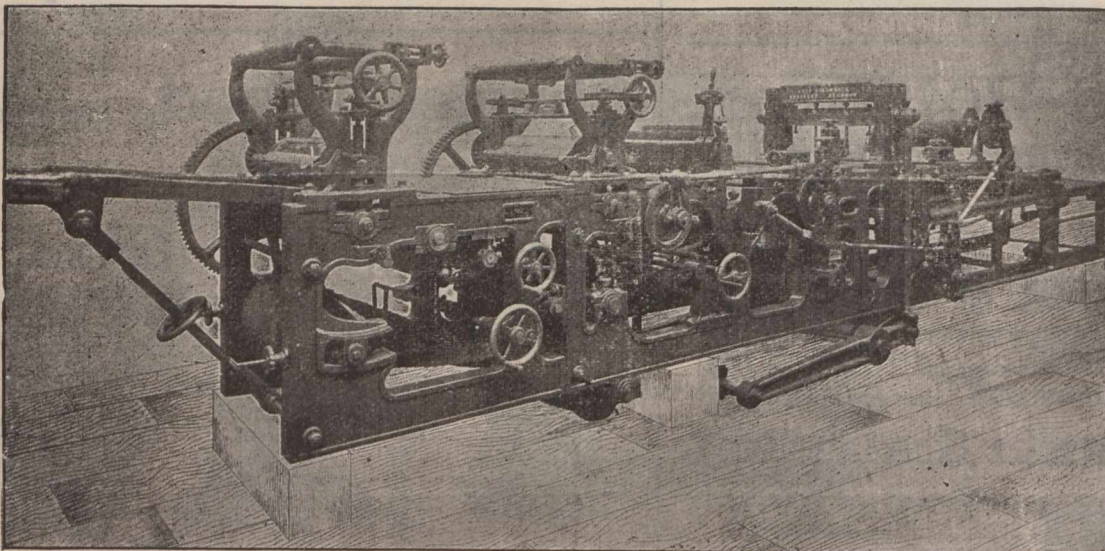
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ANDREW GILLESPIE & SONS, ENGINEERS

New and Improved Combined Biscuit Cutting Machine.



A New, Improved Combined Hard and Soft Dough Gauging, Cutting, Scrap-Separating, and Panning Machine. Roller size, 24 in. x 8 in. This Machine is entirely new, and an improved pattern, of extra strength and power, and is adapted for cutting all kinds of hard, soft, fancy biscuits etc. A number of very important improvements having been introduced. The Gauge Rolls are of increased diameter. A set of Conical Driving Gear for regulating their speeds. A Scraper has also been devised for cleaning the Web. By a new arrangement the adjustment of the Skip Motion is also simplified. An important improvement has been effected in perfecting the delivery of the Skip. A Roller is provided for pressing the Cutting Canvas to Canvas Roller. The Ratchet Wheels are moved by double Pawls, the one slightly in advance of

the other. The whole of the Ratchet Wheels are fitted with our Automatic Silencer. All the reciprocal movements of the machine are regulated by Hand Screws acting independently on each quadrant. All the working parts of the machine are fitted with best gun-metal bushes. The entire get-up of this machine is of the strongest and most substantial character, and all the details are of the most approved kind. Every opportunity of adding improvements has been accepted, while no device that could add to the usefulness of the machine has been neglected. The workmanship and materials are of the best class.

We manufacture the above machine in different sizes, prices and particulars will be sent on application. Enquiries solicited for our Dough Mixing Machines, Bases, Travelling Ovens, and other Bakery appliances.

SMITH STREET, KINNING PARK, GLASGOW, SCOTLAND.

Special prices to Canadians under New Tariff

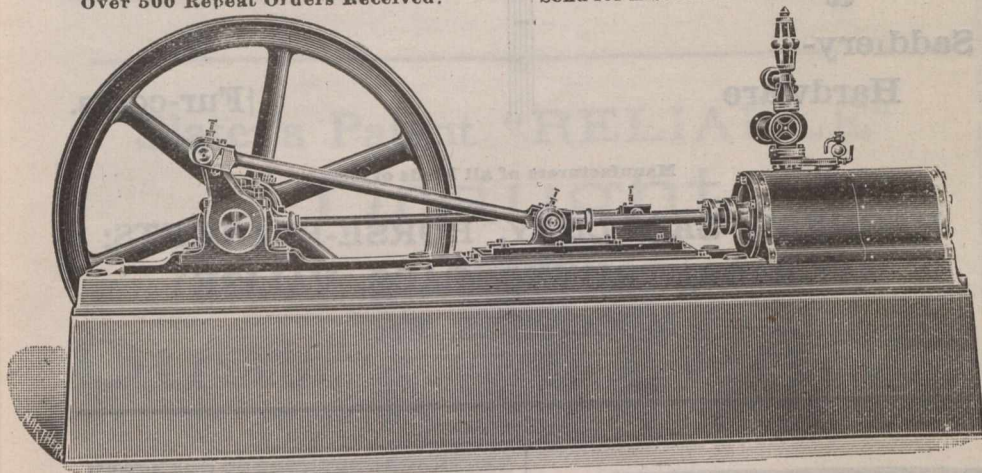
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NO PAINT. NO PUTTY.
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 ADOPTED BY ALL the LEADING ARCHITECTS & ENGINEERS THROUGHOUT THE BRITISH ISLES.
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Telegraphic Address: "CLABOUR," Guiseley, Eng. Nat. Tel. No. 7, Guiseley, Eng.

Improved Horizontal Engines.

Gold Medal Awarded. Over 500 Repeat Orders Received.

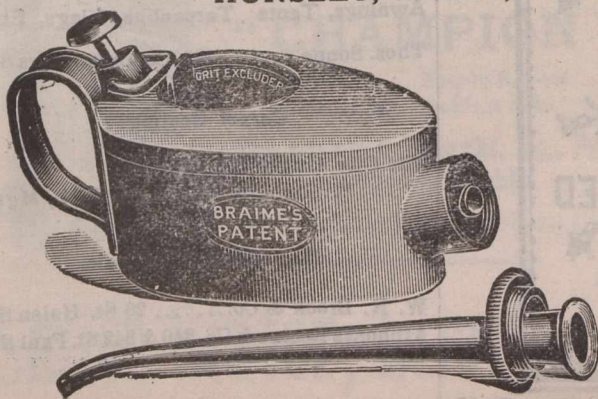
Stock sizes 2 to 30 H. P. in Progress. Send for List of References from 200 Firms.



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Shirtings, Gingham, Ticks, Cottonades, Oxford, Denims, Flannelles, Yarns, Awnings, Dress Goods, Sheetings, etc.

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Mills at Paris, Thorold, Port Dover, Costicook.
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It will tone up your
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The best cure for Debility.

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HARNESS, SADDLERY, HORSE-BLANKETS:

KIT-BAGS, TRUNKS, BAGS, VALISE :

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See our

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For Duplicate Invoices,
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Before ordering elsewhere.

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Best for Table use **CAMBRIAN VINEGAR**

PURITY GUARANTEED

MALT VINEGAR LEEDS ENGLAND BREWERY

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Lancashire Steel Potato Peeler.

(Also for Apples, Carrots,
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Saves 1 lb. of Vegetable in 6 lbs., and Work done in a quarter of the time.
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Telegrams: "UNITY, PADIHAM."

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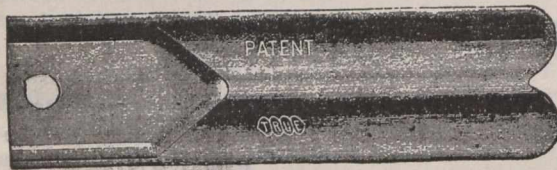
MACHINISTS, IRON and BRASS FOUNDERS,

Patent Temple Makers and Patentees,

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

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

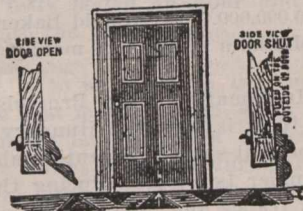


By far the best Roller Temple yet produced, and superseding Ring or Swiss Temples. Thousands are now in use and are giving the greatest satisfaction.

Station Works, Padiham, England.

Slater's Patent "RELIABLE" Draught

Dust & Rain



Stopper

For the Bottom of Doors.

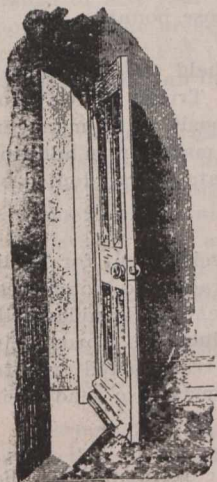
Stock Two sizes, and you can suit ANY WIDTH of Door. Cut in Two Minutes to any length

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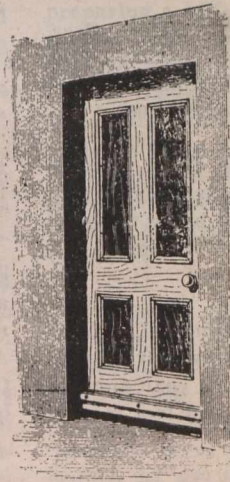
Easy to Fix. Easy to Remove.
Lowest Price. Quickest Sale.

The Cheapest Draught, &c., Preventer Obtainable.

BEST DISCOUNT TO THE TRADE.



Door with Preventer, OPEN.



Door with Preventer, SHUT.

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

Commercial Summary.

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

—The Algoma Central Railway has given a contract for four new locomotives to the Kingston works.

—The recent auction sale of pure bred cattle at Guelph, Ont., was a success, 109 head being disposed of for \$10,740.

—Large orders have been received in Belfast from the United States for damask goods, and as a consequence the Irish linen trade is booming.

—In Liverpool shipping circles it is stated that owing to a disagreement of the owners of trans-Atlantic steamship services, the negotiations regarding uniform rates and fares have fallen through.

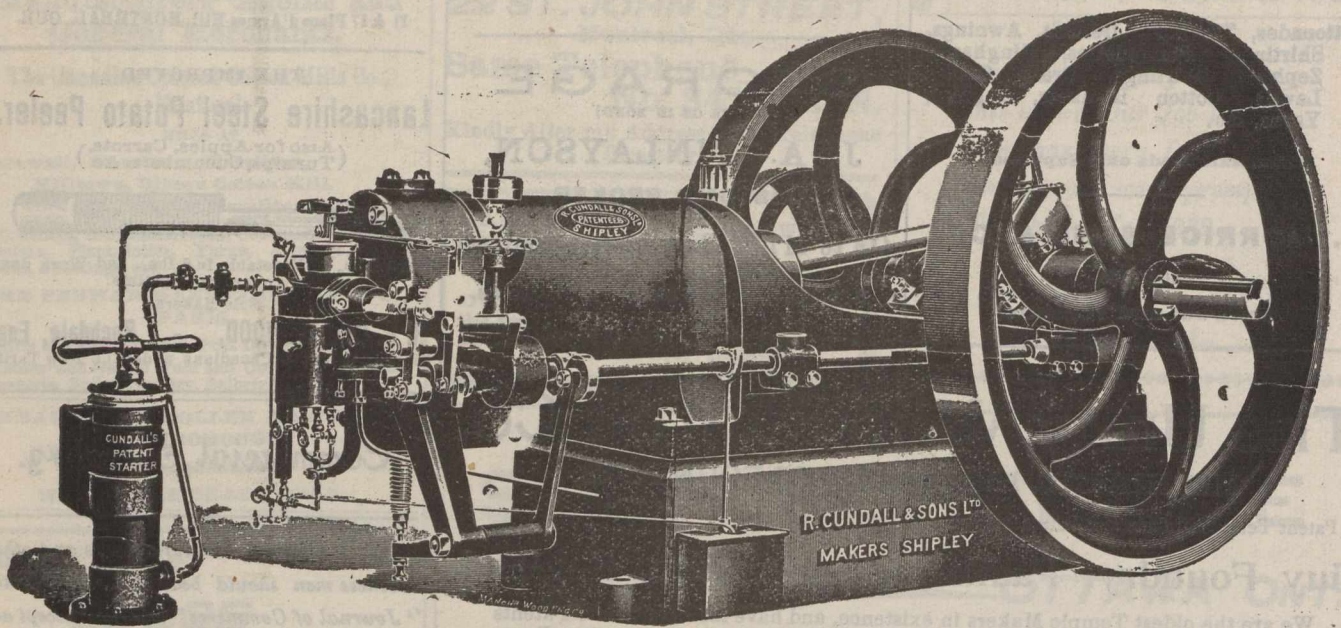
—The Canadian Pacific Railway has a new wire completed through from Nelson, B.C., to Winnipeg. It is in good working order and will be used for commercial business, and greatly facilitate the handling of business.

—At a recent meeting of the Thorold, Ont., Board of Trade, the following officers were elected. President, D. B. Crombie; Vice-President, W. M. Hendershot; Secretary, James Battle; Treasurer, T. E. Simson.

—Winnipeg advices state that the Canadian Pacific Railway Company has been making every effort to move the crop but there is every likelihood that this will be barely completed in time to begin the new one. Millions of bushels are still in farmers' hands, owing to shortage of cars.

Contractors to H. M. Government.

Telegrams: "CUNDALL, SHIPLEY."

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

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

R. CUNDALL & SONS, Limited

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

SHIPLEY,
ENGLAND.

—The Bank of Toronto has secured offices in the new Board of Trade building, Montreal, which structure is expected to be completed by May, 1903.

—A dredge has been ordered by the Canadian Pacific Railway to be used in clearing the narrows on the Upper Columbia river between the upper and lower Arrow lakes.

—Mr. Hedley J. Gardiner, manager of the Ottawa branch of the Royal Bank of Canada, was tendered a banquet in that city recently preparatory to leaving for Montreal to take a position in the head office.

—The Customs revenue for the Dominion for the eight months ending Feb. 28, is \$20,675,210, against \$18,999,777 for the past year. For the month of February there was a decrease of \$4,000, as compared with last year.

—J. A. Seybold, Oscar Forest, Ottawa; J. H. S. Cass, Montreal; E. S. Hopkins, and F. B. Mott, Providence, R.I., are applying for incorporation as the Columbia Asbestos and Mica Mining Company, with a capital of \$150,000.

—In response to agitation from St. John, N.B., for the Intercolonial Railway to adopt Atlantic standard time General Manager Pottinger has promised to bring the question to the notice of the Department of Railways and Canals.

—The Customs receipts at the port of Montreal show a decrease of \$38,300, for the month of February just passed, as compared with the corresponding period a year ago. In February, 1901, they amounted to \$794,333 and last month they were \$756,033.

—Mr. Fitzpatrick is to introduce a bill respecting telegraph and telephone companies. It will consolidate the present law and bring telephone companies under the control of the Railway Committee of the Privy Council as far as rates are concerned.

—Wilmington, Del., advises report that the E. I. Dupont de Nemours Company for the manufacture of gunpowder and other explosives, capital \$20,000,000, has been incorporated at Dover. The new corporation is expected to take in all of the Dupont powder mills.

—At a recent meeting of the directors of the Dominion Iron and Steel Company, it was decided to make a new issue of common stock to the shareholders to the amount to \$10,000,000. Mr. David Baker was appointed to succeed Mr. Moxham as general manager of the company.

—Information from Brussels and elsewhere indicates that if as is expected Hungary consents, the sugar conference will sign a convention abolishing all bounties from September 1st, 1903, reducing the import duties on sugar to six francs and imposing countervailing duties on sugar from states which maintain or re-impose bounties.

—Mr. F. H. McGuigan, who has held the position of general superintendent of the Grand Trunk Railway for some six years, has been given the position of manager. This is a new creation, the position of manager, in addition to that of general manager, being of late years adopted by banks and other large institutions.

—Mr. Edgar Tripp, Canada's commercial agent for Trinidad and Tobago, reporting to the Trade and Commerce, announces that the Agricultural Society of Trinidad will make an exhibit of the island's products at Toronto in August next. The exhibits will be transported free to Canada, and the West Indian colonies may also send their quota.

—Notices were posted in the four cotton mills of the Fall River, Mass., Iron Works announcing that on and after March 17, wages will be advanced 10 per cent. The Iron Works, which employ upwards of 3,000 hands, are owned by M. C. D. Borden, of New York, and are independent of the other mills, which have just decided to grant an in-

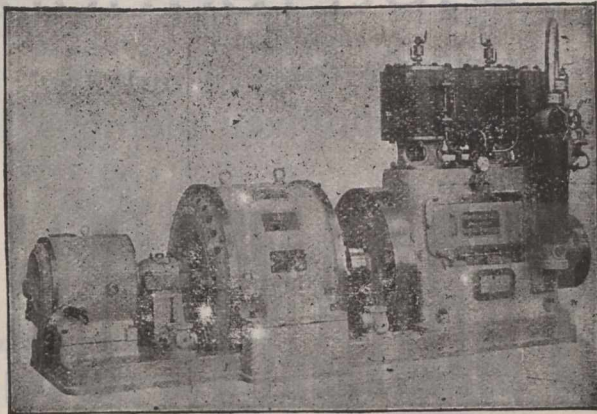
Telegrams: "MAGNETO," Bradford.

ROSLING, APPLEBY & FYNN,

LIMITED.

TRAFALGAR WORKS.

Bradford, Yorkshire, England.



crease of slightly over 6 per cent. Mr. Borden's increase meets the schedule demanded of the other manufacturers by the labor unions.

—A cable from Brussels states that the Bank of Bigwood & Morgan has suspended payment. Its depositors include a majority of the American and English residents. It was also a depository for charitable church funds, which will suffer severely. The liabilities are said to be \$150,000. The assets, part of which cannot be realized on, are placed at \$80,000.

—Officers of the Illinois Central Railway, says a Chicago dispatch, experimented recently with a telephone designed to supplant the telegraph instrument in the transacting of railway business. The test was made between Chicago and Kankakee, 56 miles of what is said to be worst line along the road. The telephoning is done over an ordinary telegraph wire, and without interrupting the telegraphic messages. The tests lasted an hour and were declared satisfactory, despite the weather.

—A substantial increase is to be noted in the customs receipts at Toronto for the past month, which, when taken with the receipts for January last, shows a marked expansion in business. The duties collected during February amounted to \$561,025, as against \$489,243, for the same month of last year, an increase of \$71,782. For the two months of the present year, the duties collected amounted to \$1,096,849. For the first two months of 1901 they were \$910,166, giving an increase for this year of \$186,683.

—The Grand Trunk Railway has arranged with the Dominion steamship line to maintain a weekly summer service between Portland, Me., and Liverpool. Under the agreement the minimum cargo capacity of the steamers will be 8,000 tons, and the maximum capacity 12,000 tons. The boats that will perform the service are the Turcoman, Irishman, Norseman, Californian and Colonial. The larger vessels are placed in the Portland service to enable the Dominion line to come back to Montreal with a weekly service.

—Permanent organization of the U.S. \$80,000,000 corn products company, known as the Glucose-Starch Combination, has been effected. It is believed the former competition will be done away with, and the probability is that the trade will be placed upon a firm basis. The underwriting money, amounting to about \$4,500,000, which was paid in, will be devoted in part to the purchase of some of the smaller plants, which are not to have their stock exchanged for the stock of the larger company. The

working capital of the new company at the outset will be in excess of \$5,000,000.

—Life Insurance Decisions.—In an action to recover on a life insurance policy, a complaint alleging that the policy was first issued payable to another than plaintiff, and afterward, in accordance with the terms of the policy, changed by making plaintiff the beneficiary, and praying that the first beneficiary be adjudged to have no interest therein, and that plaintiff recover the full amount thereof, states no cause of action against the first beneficiary, or grounds for making him a party defendant in the action. *McCabe vs John Hancock Mut. Life Ins. Co. of Boston, Mass., et al., 73 N.Y. Supp. 852.*

—Vienna advices state that Capt. Crossman, who started on February 6 to walk down the Danube from Linz to Vienna, a distance of 100 miles, on his newly-invented water-walking shoes, towing his wife in a boat arrived there on the 26th ult. The long time spent on the journey is explained by the fact that Capt. Crossman stopped at several places to give exhibitions of his shoes. These are five yards long. The trip was made without mishap, notwithstanding there was an unusually strong current and much floating ice in the river. In addition, there were a number of storms, which made the walking perilous.

—Ottawa advices report that the Secretary of State is preparing a bill to simplify the method for companies obtaining incorporation. At present those making application for letter patent have to give six weeks' notice in the *Canada Gazette*, which practically no one sees. The intention is to do away with the publication of this notice, and to permit the applicants to get incorporation on making application to the State Department, which in return will place the matter before the Governor-General. This will greatly facilitate the work of granting incorporation to companies.

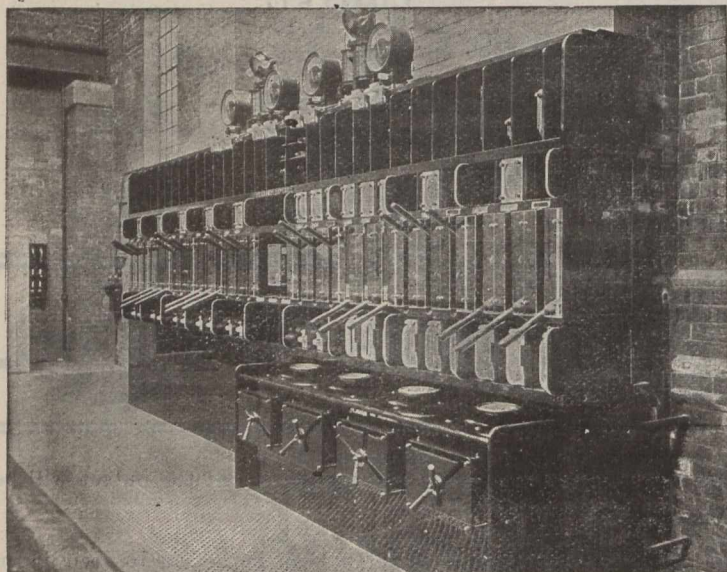
—Canada's mineral production last year was \$72,200,000, according to the *Mining Review*. This production was principally from British Columbia, Yukon, Ontario, and Nova Scotia. The Yukon yielded gold, silver, and coal, valued at \$18,500,000. British Columbia's principal mineral products were gold, coal, coke, copper, silver, lead, etc., valued at \$20,700,000. The North-West Territories and Manitoba contributed gold, coal, gypsum, building material worth \$3,000,000. Ontario's products were iron, steel, iron ore, copper, nickel, gold, graphite, natural gas, mica, and oil worth \$13,000,000. Nova Scotia equalled Ontario, its products of coal, iron, steel, gold, gypsum, and grindstones being valued at \$13,000,000.

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.....FOR.....

Electrical Power

Transmission & Distribution.



Ferranti Three-Phase 6000-Volts Switchgear.

Manufactured in bulk by
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Lancashire, Eng.

Write for Illustrated and Descriptive Pamphlets sent Post Free on Application.

—Between 12,000,000 and 14,000,000 gallons a day is, the City Engineer states, the amount of water wasted in Toronto out of the 21,000,000 to 24,000,000 gallons supplied. About 65 per cent. of that is caused by the carelessness and indifference of householders and leaky fixtures. This waste, Mr. Rust states in his current fortnightly report, could be stopped by placing meters on all water services. But the installation of water meters, he points out, is an expensive proceeding, and he suggests that it be done gradually. Leaky mains and services occasion, the Engineer states, from one-third to one-fourth of the waste, and to prevent it he proposes a semi-annual inspection.

—Referring to the increasing shipments of United States goods to Europe, a Budapest, Hungary, dispatch announces that in the Lower House of the Hungarian Parliament recently, the Premier, Coloman de Szell, referring to the approach of the time for the renewal of commercial treaties, said that, while there was no intention of denouncing all the commercial treaties, Austria-Hungary would probably be obliged to denounce some of them. The Premier referred to the increasing industrial production of the United States and intimated his belief that the necessity might some day arise for Europe to enforce a "commercial Monroe doctrine" against the United States.

—A rumor from Chicago is afloat concerning several wealthy steel manufacturers, who recently sold out their plants to the United States Steel Corporation, having interested themselves in and perfected new machinery to be used in the manufacturing of macaroni. The chief interest to the trade lies in the fact that when the new company is fully organized and the management decided upon the owners of the new process expect to place their product upon the market at a great reduced price compared with present quotations. The parties interested, it is said, control millions, and intend their product to be one of the most widely advertised food products in the country.

—Creditors of the American Tire Company, Toronto, are moving to have the company wound up, and Mr. C. W. Sparks, of Ottawa, the President, will apply to the courts for a winding up order. Mr. H. P. Davies is Vice-President and General Manager of the Company, which was incorporated in June, 1896, with a capitalization of \$25,000. In his petition for the winding up order Mr. Sparks states that the liabilities will be upwards of \$108,000, while the assets, he does not consider, would realize more than \$50,000. He states that the company is hopelessly insolvent. Mr. Sparks' claim is for \$5,789, money advanced. It is expected that the principal creditors will be in the United States, as the company purchased heavily there.

—Recent Washington advices report that the Senate has begun consideration of what is known as the Shipping Bill, a measure to provide for ocean mails service between the United States and foreign ports, and for the common defence; to promote commerce and to encourage deep sea fisheries. Mr. Frye (Maine), chairman of the committee on commerce, made the opening statements in support of the bill. The policy of protection which has been applied, he said, to American industries, had not been applied to the shipping industry. The result of this shortsighted policy has been the decadence of the American merchant marine and the consequent humiliation of Americans engaged in the shipping industry.

—The monthly returns of the Canadian Pacific Company's land department, show that during February 78,039.43 acres were disposed of for \$256,156.70. Last February only 29,370.22 acres were sold, which is a little over one-third of last month's sales. Last year, ending January and February, 57,292.02 acres were disposed of, while this year three times as much were sold, the actual figures being 187,836.42 acres.—The report of the Canadian Northwest Land Company shows that the amount of land sold this year trebles that of last year. The total sales for

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(REGISTERED.)

WROUGHT IRON THROUGHOUT:—RIM, ARMS AND BOSS.

THE ONLY PULLEY MADE WITH A WROUGHT IRON BOSS.

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All Sizes up to 24 feet Diameter.

140,000 IN USE.

The Best Pulley in the World.

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The "NON-DRIP" Shaft Bearing.

(ETCHELL'S PATENT.)

Self Swivelling. Self Lubricating. No Drip Cups Required.

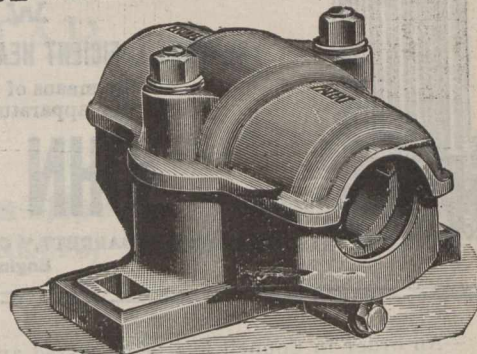
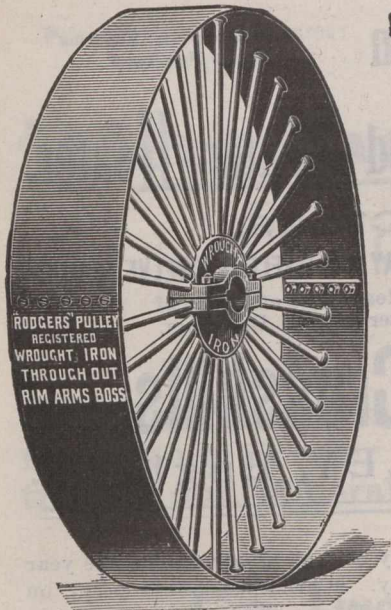
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LEEDS, ENGLAND.



SEND FOR PRICES.

January and February this year total 20,265 acres for \$107,860. Last year's figures for January and February total 5,550 acres for \$31,330. During the month of February this year 5,893 acres were sold for \$33,420.

—A recent cable from Santiago de Cuba reads: Sir William Van Horne, former president of the Canadian Pacific Railway, and the promoter of a project for the consolidation of all the railroads in Cuba, accompanied by Mr. Dodge, left to-day for New York via Havana, after having inspected the work done by the Cuba Railroad Company.

Contractors to H. M. Government.

HARRAP BROS.,

Manufacturers

Kendal and other Knitting Worsteds,

Fingerings and German Wools, Andalusian and Soft-Spun Saxony

Sole Makers of the Celebrated

"PRIMULA" WOOL FOR HOSIERY.

Also Coating Yarns, in Warp and Weft, in Hank, or on Tubes or Cheeses

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STEEL.—Best Crucible Cast Steel for Furning and Slotting Tools, Saws, Punches, Dies, and Chisels; also for Masons' Hammers, Chisels, Picks, Quarry and Miners Drills, &c.; Bessemer and Siemens-Martin Steel in Bars, Sheets and Strips.

FILES AND RASPS of every description or made to any pattern. HAMMERS for Engineers, Smiths, Masons, Miners and Quarry Work. CHISELS for Engineers, Masons, and other purposes.

SHOEMAKERS' Tools, Knives, Hammers, Nippers, Rasps, and all descriptions of Shoemakers' Tools.

CUTLERY.—Carvers, Table and Dessert Knives, Pen and Pocket Knives, Razors, Scissors, Spoons and Forks.

Sir William expressed himself as greatly pleased with the results obtained during the last six months, and said that an immense amount of railroad construction had been accomplished. He expects to run trains between Havana and Santiago de Cuba within a year. The company's work has recently been slightly delayed by reason of litigation with land owners, who tried to obstruct the building of the road. The majority of the land owners, however, are helping the company as much as possible.

—The shortage of soft coal appears to be general, beyond the immediate vicinity of the mines. A recent telegram from Duluth reads: There are on head-of-the-lake coal docks about 300,000 tons of bituminous coal, and there are requirements from railroad companies to the amount of 500,000 tons that have been accepted for filling prior to the opening of navigation. That is the shape in which head of Lake Superior wholesalers find themselves. In consequence they are beginning to receive all-rail coal to fill orders that they had expected to fill by lake. The wholesale price of soft coal has been raised, as a result of this condition, from a \$3.75 to a \$4.50 basis, and the shipment to outside points, except on orders from previous buyers, has entirely ceased. Considerable coal is coming all-rail to fill orders in this territory, though it is not probable that much will come to this city or Superior.

SLADE & Co., Ltd.

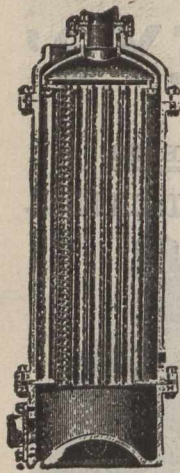
THE ROYAL TOFFY WORKS,

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Manufacturers of the finest

HOME MADE TOFFY.

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



The "Airedale" Exhaust Steam

Special prices to Canadians
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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 Crosshills, Foundry

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

KEIGHLEY, England.

—An order in Council has been passed approving of certain by-laws fixing rates adopted by the British Yukon Railway Company. The approval is given subject to the understanding and condition that no tolls deemed excessive by the Governor in Council will be charged for transport over the railway between Skaguay and White Pass, and that if such excessive tolls are charged the order in Council may be rescinded or the tolls reduced by the Government. The by-laws referred to fix the maximum rate for the conveyance of passengers at 18 cents per mile, and provide that the maximum freight tariff shall be as set forth in a schedule. The rates for the 90 miles of railway between the summit of the White Pass and White Horse, being that part of the railway in Canadian territory, are as follows: First-class, \$1.90; second-class, \$1.66; third-class, \$1.42; fourth-class, \$1.19; fifth-class, 95 cents; sixth-class, 90 cents; seventh-class, 75 cents; eighth-class, 73 cents; ninth-class, 72 cents and tenth-class, 70 cents.

—Fame is achieved in various ways. Here is one of the latest attempts, which would be considerably at the expense of those who are slow to accustom their minds to new conditions: "I would call your attention," says a correspondent, to a change in reckoning time, as follows: Have the year consist of thirteen months of four weeks and one day, and put the extra day into the last day of the week and call it Finday. In leap years this last week of the year would have nine days, and call this extra day Leapday. Let the first year of this plan begin with 1904, and then the first day of the year will always occur on

Sunday, and so the first day of each month during the year will commence on Sunday. Christmas would occur on Wednesday in every year. This method of reckoning time will greatly facilitate the reckoning of future dates. Sunday would always come on the 1st of the month, also on the 8th, 15th, and 22nd; so also any other day of the week—Wednesdays always 4th, 11th, 18th, and 25th of each month. We would not have to name dates by the "first Monday after the first Tuesday of a month." We would simply say the second Monday, which would always be the 9th of any month. I think this method of reckoning time would prove as beneficial as standard time for fixing the hours of the day."

—The Algoma Tube Works, Limited, the incorporation of which is announced, has a share capital of \$30,000,000, and the head office at Sault Ste. Marie. Among the provisional directors are: Edward V. Douglas and W. P. Douglas, manufacturers; Frank S. Lewis, railway manager; and John S. Freeman, attorney, all of Philadelphia; and Henry C. Hamilton, barrister, Sault Ste. Marie. One of the objects is to acquire from "The Perrins, Limited," or its assignees, the benefit of certain existing inventions made by one Harry Perrins and others for improvements in the manufacture of metallic tubes. Another big undertaking is the "Atlantic Pulp and Paper Company, Limited," incorporated with a share capital of \$3,000,000. The subscribers to the memorandum are W. C. Edwards, M.P., the lumber manufacturer; R. H. Thompson, wholesale paper merchant, Buffalo; A. H. Eckardt, manufacturer, and Wm. R. P. Parker, barrister, Toronto; C. H. Waterous, manufacturer, Brantford, and John Sutherland and Charles S. Cameron, brokers, Ottawa. The charter is a wide one, enabling the company to acquire water powers, generate electricity, and navigate vessels; also to acquire the business of The New Richmond Lumber Company. The head office is Toronto.—The Hamilton Electric Light and Cataract power Company, Limited, has been authorized to increase its capital stock from \$3,750,000 to \$4,000,000 by the issue of 2,500 shares of \$100 each, and creating the new stock preference stock.—The Mutual Natural Gas Company of Port Colborne, Limited, and The Producers' Oil, Gas and Mining Company, Limited, have been amalgamated under the corporate name of The Mutual Natural Gas Company, Limited, the share capital to be \$100,000; head office, Port Colborne.—The Robert McCausland Stained Glass Company, of Toronto, Limited, has changed its corporate name to the Robert McCausland, Limited.—The McLachlan Electric and Gasoline Motor Company, Limited, has changed its corporate name to The McLachlan Gasoline Engine Company, Limited.—The Meaford Manufacturing Company, Limited, has been incorporated with a share capital of \$50,000, to carry on a wood-working, lumber and saw-milling business.—The Beaverton Brick and Tile Company, Limited, has been incorporated with a share capital of \$17,000.—Thomas Todd and Son, Limited, is the corporate name of a Galt company, which carry on a farm, garden, and dairy business. Share capital, \$25,000.—Wm. Cowan, Arthur B. Cowan, and James L. Cowan, of Galt, have been incorporated as "Cowan and Company, Limited, to manufacture and deal in wood-working machinery, etc.; share capital, \$100,000.

Carbide Stores, Warehouse and Salesrooms:
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THE IMPERIAL "S. C."

Acetylene Gas Company, LIMITED.

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

THE "S. C." (Separate Cells) AUTOMATIC

Acetylene • Gas • Generators.

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Tartaric AND Citric Acid.

CREAM OF TARTAR.

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Cream of Tartar and Tartaric Acid Substitutes—Specially Manufactured for Baking Powder and Self-raising Flour Makers, Bakers and Confectioners, and Mineral Water Factories.

The Liverpool Chemical Company, Limited,

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Specially made for the Canadian Market under the new Preferential Tariff.

JAMES NORTH & SONS,

Chamois and Gloves

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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.

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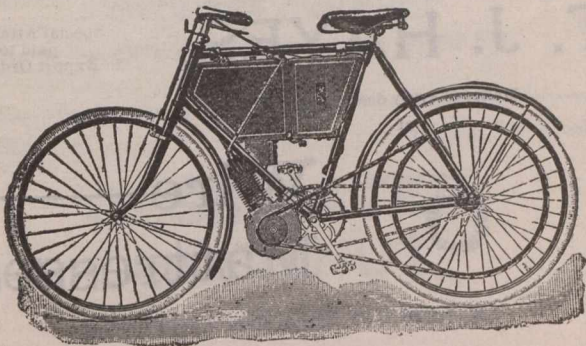
Godley Mills,
and Tower Street Works,

HYDE, Manchester, Eng.

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



THE IMPERIAL MOTOR BICYCLE,

MANUFACTURED BY THE

LEEDS MOTOR EXPERTS,

WALKER BROS., "PRIMO" WORKS,

Meanwood Road, LEEDS, Eng.

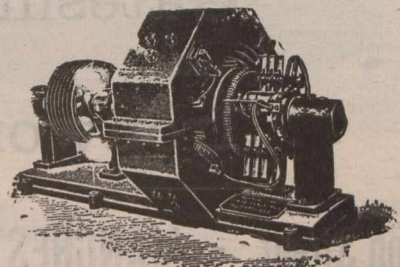
—Lieut.Col. Gordeau, Deputy Minister, in the annual report of the fisheries branch of the Department of Marine, estimates from preliminary reports Canada's fish production for 1901 will be the largest in its records, exceeding \$23,000,000. He states: "In the Maritime Provinces, the catch, though an average one, will not be up to that of 1900. The falling off is more noticeable in the Cape Breton districts, where the development of other more permanent industries has recently attracted many who formerly sought the sea for a livelihood. Unfortunately the extraordinary capture of mackerel in the Northumberland strait in 1900, the best in twelve years, was not repeated last season, and only an average quantity was secured. However, the aggregate fishery production in New Brunswick and Prince Edward Island will no doubt, exceed that of the year before. The Bay of Fundy herring fisheries were more

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National Telephone, No. 183.

Makers of all kinds of DYEING and Finishing Machinery.

ELKANAH HOYLE & SONS, LIMITED,**MILLWRIGHTS, ENGINEERS, MACHINE MAKERS,
AND IRONFOUNDERS,****F. HORATIO CLIFFE,**
Managing Director.**Waterside Works, HALIFAX, ENG,****Sole Makers of Messrs. Samuel Kirk & Sons' Woodhouse, Leeds, Patent Machines for Improved Cloth Finishing.****Sole Makers of Reffitt's Patent Pressing Machine for Soft Goods.****Sole Makers of Reffitt's Patent Continuous Steaming machine.****Makers of Hydraulic and Screw Presses** in the most improved principles, with Telescopic and Elbow connections. Cotton Baleing Presses and Baleing Boxes, Patent Wrought-iron Steam Press Plates, and Patent Malleable-iron Glands for Press Cylinders, so that leathers can be put in without taking the plates out.**Makers of every description of Hydraulic Pumps,** worked either by HAND or POWER, with or without Steam Engine attached.**Makers of all kinds of Machinery,** on the most improved principles, for DYEING, DRYING and FINISHING of all kinds of TEXTILE FABRICS, such as Orleans, Cobourgs, Lastings, Serges, Paramattas, Baratheas, Henriettas, Lamas, Cashmeres, Reps-de-Lain, Merinos and Manille Cloths, and all other kinds of BRADFORD MANUFACTURED GOODS, viz.: Crabbing, Singeing, Scouring, Washing, Drying, Starching, Tenting, Stretching, Calendering, Mordanting and Hot-pressing Machines.**Dyeing Machines,** for Blacking, Blueing, Buffing, Saddening, Chroming, Padding, Jigging and Washing-off Machines.**Melange Machinery** for the Dyeing, Drying and Printing of wool "Sliver."**Stead and Gledhill's Patent Steaming Apparatus.****Stead and Appleyard's Patent Black Rolling and Steaming Apparatus.****Stead's Improved Felt-hardening Machine, Wet and Dry Finishing and Tinting Machinery,** for Mohairs, Lustres, Poplins, etc.**Wet Finishing Machines,** with from One to Seven Pairs of Nip Rollers, with Drying Machines attached.**Poplin Machines,** for Paraffin Wax Stiffening.**Gas Singeing and Brushing Machines.****Worsted Coating Scouring Machine,** to run Piece at full width.**Tinting Machines,** with from One to Three Sets of Nip Rollers.**Warp Dyeing Machinery,** Bleaching and Sizing DRYING MACHINES, for Cotton and other Warps.**Patent Expanders,** to keep pieces out at width.**Hydro-Extractors,** both turned from underneath and above.**Grinding Mills,** for Indigo, Lac and Argols.**Soap-scouring Machines, Milling Machines, Hot-air Tenting and Drying Machines,** for the "Estamene" Finish.**Also Makers of Steam Engines** for working the above Machines, either separate or combined, of all descriptions.**Messrs. Ingham and Butterfield's Patent Rigging Machines.****Calenders** made with Wood, Iron, Copper, Brass, Steel, Cotton and Paper Bowls.**Horizontal Hydro-extractors** with Copper Cylinder.**Damping Machines.****Cold Calendering Machines,** with Five Rollers.**Improved Lancashire Jiggers.****Makers of the Newest Construction of Machines,** for the Dyeing, and Finishing, of Cotton Velvets, Velvet Plush, etc.; Treadles, Pegging Machines, Jiggers, Tubs, Cutting machines; Waxing, Painting and Brushing Machines; Lustreing, Tenting, Beating Nellies, One Cylinder Brush, and Damping Machines, Dye Vats, etc.

productive than in 1900. The Gulf of St. Lawrence fisheries, especially the salmon on the north shore, will be above the average. The inland districts, from Quebec to the Rockies, will hold their own in fishery matters, excepting, perhaps, in the Northwest Territories, where a falling off is anticipated. In British Columbia probabilities and conjectures make way to established facts, especially concerning the salmon industry, which this year eclipses by far the phenomenal output of 1897. No less than 58,785,000 cans of salmon were preserved there in 1901, besides 9,155,200 pounds of salted and fresh salmon. Unless the minor branches of fisheries have utterly failed, which

is not likely, as halibut also shows a large improvement, British Columbia will in our next report, supersede old Nova Scotia, which has already headed the list of fisheries.

—Tariff matters are not yet adjusted to entirely suit all inhabitants of the Dominion. An Ottawa letter states that Mr. C. B. Heyd presented a petition from manufacturers of pottery praying for the imposition of a specific duty of three cents per gallon of capacity on all stoneware and earthenware imported into the country, and on all ware sold and invoiced by the gallon capacity in large or small sizes. They suggest a schedule of measurements of duty to be followed for less than gallon sizes, and on all covers for crocks, and churns. The petition is signed by

Brookes & Co., Ltd.,Owners and
Sole
Makers,**Gatesmiths**

And...

Ironworkers**Cateaton Street, - MANCHESTER, ENG.**

Special prices under the New Tariff.

(Cut will be inserted as soon as received.)

T. J. HAYES,Special Attention
paid to
Export Orders.Maker of every description
of**Wire
Mattresses.**

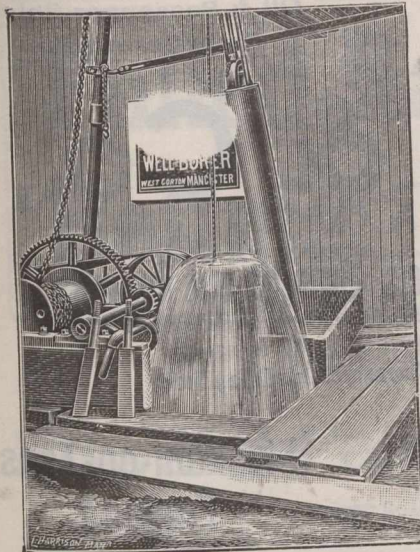
5½ Years with Rowcliffe's, Levenshulme.

35 Hood Street, Jersey Street, - ANCOATS,**MANCHESTER, ENGLAND.**

(Cut will be inserted as soon as made.)

Telegrams, "ARTESIAN," Manchester.

Telephone No. 1826



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

Artesian Well Borer,
Patent Deep Well and Bore-Hole Pumps. Earth Boring
and Mining Machinery (All Sizes) For Sale or Hire.

Bore-Holes for Oil Water or Minerals.

Messrs. Wm. Knight of the Dominion Sanitary Pottery Company; A. Campbell of the Caledonia Pottery, E. L. Farrar of the Canada Stoneware Works, Frank Wartnell of the Cornwall Pottery, W. A. Carson of the Belleville Pottery Company, J. F. Ailing of the Peterboro' Pottery, and James Taylor of the Port Hope Pottery.—Petitions asking for legislation for the following purposes were presented: From the St. Clair & Erie & Ship Canal Company, asking for an extension of time for the commencement and completion of the canal and other works which it is authorized to construct.—From the Quebec & Lake Huron Company, asking for an extension of two years from July 7, 1902, of the time during which it is required to expend \$750,000 in the construction of the railway.—From Henry Todd and others of St. Stephen, N.B., for incorporation as the Sprague's Falls Pulp Manufacturing Company.—From the Sydney Real Estate Company, asking for the incorporation of its shareholders for the purpose of carrying on business as a Dominion concern, under the title of the Sydney Land & Loan Company.

tine Government has by a decree dated February 17, 1902, opened the ports of the Republic to the introduction of live stock from Great Britain. This, says a London writer, is the result of the continued importuning of the breeders of fine sheep and cattle stock in Britain, who have severely suffered from the absence of South American buyers at their usual sales. Whether this action on the part of the Argentine Government will be followed by the withdrawal of the restrictions against South American cattle, remains to be seen. Anyway, the Live Stock Journal (a breeders' organ), is paving the way for this, by pointing out, "that the long voyage and the fact that the animals are only to be landed for slaughter, may make it possible to dispense to some extent with the securities that would otherwise be necessary." That is to say, breeders in England will take the chance of introducing disease from South America or any other country, so long as said country will buy at fancy prices their Lincoln long woolled sheep, or shorthorn, Hereford, and Aberdeen-Angus cattle. In this way patriotic Englishmen can easily square their conscience, and make principle subservient to business.

—The Argentine consul-general of Liverpool, reports that he has received a communication from his Government to the effect that following upon a declaration made by the British legation in Buenos Ayres to the effect that foot-and-mouth disease no longer exists in England, the Argen-

—The following, sent for decision to a New York paper, cites a grievance not at all uncommon in commercial transactions: New London, Conn., Feb., 1902.—I bought three cars of oats (4,500 bushels) of a grain house in Chicago at three different dates. The oats at the time were at Parry Sound in the elevator at Depot Harbor, Ont. The seller took out a bill of lading for the three cars from the trans-

SASH
WEIGHTS



Manufactured for the Canadian Market
 under the New Tariff, by

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

Established 65 years. Telegrams: "SUBLIME, Liverpool.

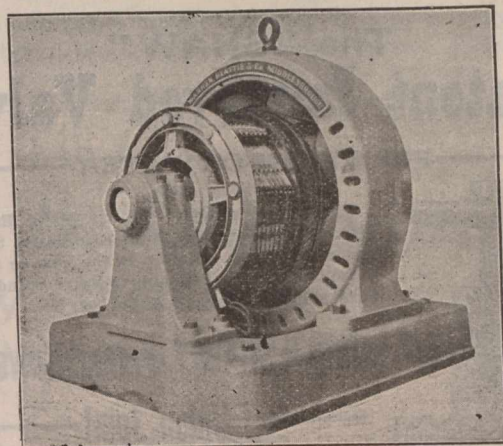
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JOHN SHORE & SON,
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samples at your disposal.
 Terms: Cash against B. Lading.

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TELEGRAMS:—"Install," Middlesbrough.



300 KILOWATT DYNAMO.

Warren, Beattie & Co., **ELECTRIC POWER**
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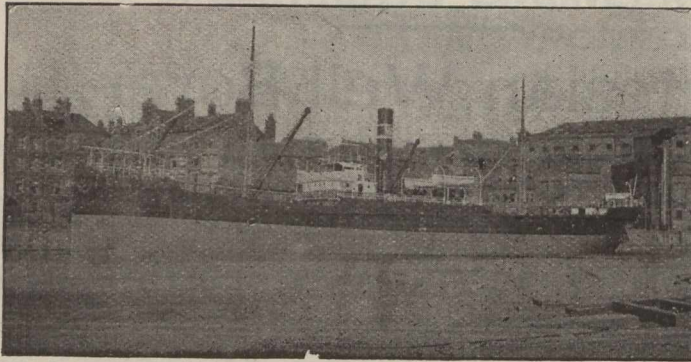
Contractors for Complete Electric Power and Lighting Installations
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Oil & Passenger Ships,
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CRAIG, TAYLOR & Co.,



Shipbuilders, Engineers and Repairers,

Thornaby Shipbuilding Yard,

GRAVING DOCK
 570 Ft. Long.

Stockton-on-Tees,
 England.

Special estimates to Canadians under the New Tariff.

portation company and attached them to a sight draft, and I paid the draft. The dates of the bills of lading are Dec. 2, Dec. 21, and Dec. 26, 1901. All these cars were held in the elevator till Jan 31, 1902, and then all were shipped on one day, and arrived here Feb. 11, 1902. When the oats arrived here the loss on them by the delay and decline in price was \$137. I also bought a car of corn in the same elevator on Jan. 6, and it was held till Jan 28 before being shipped out, and arrived here Feb. 3, 1902. The market on corn had then declined 6 cents per bushel, and the loss on the car was \$60. I claim that this grain was held in elevator an unreasonable length of time, and some one ought to pay the damage. If so, whom can I look to, and how can I collect? I have written the Chicago agent of the company who signed the bills of lading, and his excuse is that he could not get cars. Is this a sufficient excuse? A. R.—Reply.—When goods which have been purchased for delivery at a distant place are unduly delayed, as appears to have been the case in the present instance, the buyer has a valid and enforceable claim either against the seller or against the carrier for such damage as he may have suffered by reason of the delay. If the seller did not undertake to make delivery at the end of the route then his delivery to the carrier absolves him from blame, and the buyer must look to the carrier for his damages. If the seller undertook, expressly or by implication, to make delivery at the buyer's place of business, then the carrier is his agent; in that case the buyer looks to the seller for damages, and the seller must in turn look to the carrier if the latter was in fault. It seems that the seller took the

ESTABLISHED 1869.

Bottled Beer and Stout FOR EXPORT.



The "Compass" Brand

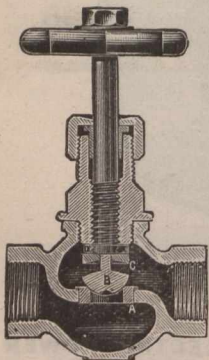
Bass & Co.'s Pale and Light Bitter Ales, and Guinness's Extra Foreign Stout.

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

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

The "SHAW" ..Patent Improved Valve..

FOR STEAM OR WATER



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

The "SHAW" Patent Universal Union Joint

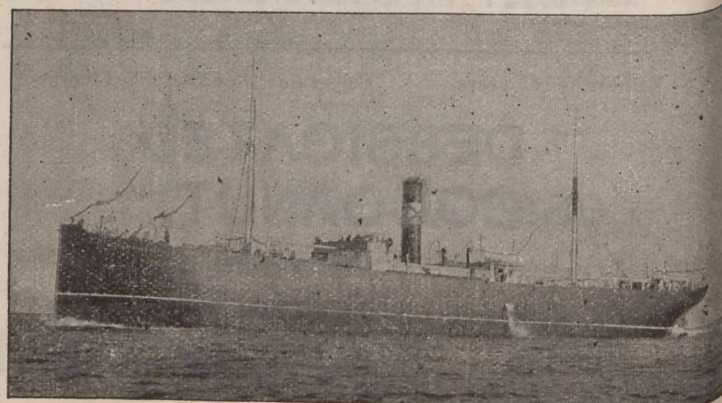
For Coupling pipes at an Angle, is the most Up-to-Date Coupling in the market. Send for full particulars of this and other "Shaw" specialties to

JOSEPH SHAW, HUDDERSFIELD, ENGLAND. ALBERT WORKS.

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.

bill of lading to his own order, so as to keep the goods in his possession and under his control until the purchase price should be paid. The result of such action would be to leave title to the goods in him during transportation and to make him liable to the buyer for any damage resulting from delay. The fact that it was difficult or even impossible for him to procure the necessary cars would not relieve him from liability in a case of this kind. He

having undertaken to make delivery without any provision for his exemption in case of a scarcity of cars, the court will not make the exemption for him after a loss has occurred which must fall somewhere.

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

The J. C. McLaren Belting Co.

FACTORY:

MONTREAL. TORONTO. VANCOUVER.

Manganese

LUMP, FINE and GROUND.

EVERITT & CO.,

40 Chapel Street, Liverpool, England.

—Life Pointers from the Press.—If you want your family to be sure of a spot on the sunny side of Easy street, insure your life in their favor. Not "some time," but now. "Some time" perhaps the doctor will say you may, if death doesn't get ahead of him.—There are 3,064 languages in the world, but only one word of three letters for you to say to the life insurance agent? Yes? That's it.—A commonplace remark: "I'll see you later." Never say that to a life insurance agent, for he may see you later than you intimated, and when you cannot say anything. Say something—and the right thing—now.—"The Gates Ajar" may be closed in your face if you come before them uninsured. St. Peter is getting posted on modern as well as ancient sins.—"Where is there a brighter, warmer spot than in the sunshine we create for others?" A life insurance policy is one sure means of doing it.—Don't leave the "White Man's Burden" for your wife to carry. Will you be a white man if you do?—"Delight depends on denial," says a preacher. Not on your life insurance.—"Absolute vaccination" is one of the latest fads among physicians, who are ever experimenting. This fad calls for revaccination again and again, as soon as the effect of one vaccination has disappeared." In other words, say the M.Ds., get loaded with virus. If you are thinking of more than one dose, forget it, and load up with good life insurance.—"When in doubt, if possible, get out," says a witty paragrapher. If you are in doubt about insuring it is possible to get out by getting in your application now—lest you forget

—A railway company utilizing its own railway for the growing of ties is certainly a novel feature. Within five or

— 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 1828.

Cable Address: "DUCHY," Liverpool.

PURE



LARD.

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

LARD OIL.

For delicate machinery is the finest known.

BAR MOTTLED SOAP.

IRVEN BROTHERS, LIVERPOOL, ENG.
Under New Canadian Tariff Law.

six years, says a Chicago dispatch, there will be several rows of catalpa trees, stretching from Chicago to New Orleans, a distance of about 900 miles. They are to be planted by the Illinois Central Railroad to provide lumber for cross ties in the future. More than 200,000 of the trees will be planted. At first it was proposed to set aside one or two tracts on which to plant the trees, but it has now been decided to string the forest along the entire system, placing hundreds of trees on every spot where there is room. From Chicago to New Orleans the trees will be planted in profusion. They will not be set out after any pattern or design, but will be dropped into the ground

around stations, along the right of way in the county, around warehouses, and every place where they may grow, and at the same time improve the surroundings with their shade. The contract for planting this immense forest has been let to a private firm. Agents are now in the field locating places where the trees are to be planted. Scarcity of timber for ties is the cause of the planting of these trees by the railroad. During the last two or three years much difficulty has been experienced by railroad officers in obtaining the proper timber for ties, and the great amount used for this purpose has drawn heavily on the lumber markets of the country for the right kinds of wood.

The Liverpool and Bankhall Chemical Company's



The best and most effectual remedy for

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

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

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

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

SOLE MAKERS:

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

Liverpool, England.

—The proposition of the Manitoba Government, approved by the Legislature, for the extension of the Canadian Northern system, proposes, we are informed, to guarantee a bond issue of \$8,000 a mile on the following lines: No. 1 is the link from Beaver to Gladstone, 20 miles, already constructed; No. 3 is a line, 40 miles long, starting somewhere in the neighborhood of Altona, running west 40 miles along the international boundary to the neighbor-

C. & A. MUSKER, Ltd.,
TUEBROOK,
LIVERPOOL, ENGLAND.

.. HYDRAULIC ELECTRIC ..

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

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

Telegraphic Address: "Muskers, Liverpool."

Telegrams:—"PUMPHREY, Glasgow."

W. & M. PUMPHREY, Bridal & Banquet Sugars.
SUGAR MILLERS,
Crownpoint Road, - Glasgow, Scotland.

And at Thornaby-on-Tees,
London & Manchester England.

Icing
and
Caster

SUGARS as they should be!

Special Prices to Canadians under the New Tariff.

TASKER, SONS & CO.

Manufacturers of Main Driving Bands

In Leather India-Rubber, Hair and Cotton.

Government Contractors.



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

SHEFFIELD,
32 ANGEL STREET,
England

Leather Merchants and Mill Strap Manufacturers.

hood of Snowflake; No. 3 is from a point on the Canadian Northern Railway, in township 13, range 11, westerly to a point in range 15, west, a distance of 25 miles; No. 4 is a branch from St. Charles to the neighborhood of Bates, a distance of 30 miles (built); No. 5 is a line from a point on branch No. 3, northerly through or near Neepawa to a point in 17-15 west, a distance of 22 miles; and No. 6 is a line from a point on line No. 7, to a point in 17-18 west, a distance of 20 miles. This makes a total of 157 miles. In addition, the old Hudson's Bay road is to be rebuilt, This road will start at Winnipeg and will run 40 miles to St. Laurent. This will carry a bond guarantee of \$5,000 a mile, a total of \$200,000. From St. Laurent the road will run to Posen, 15 miles, on which there will be a bond guarantee of \$8,000 per mile, amounting to \$120,000. This makes a total possible liability on the part of the province of principal and interest of \$1,576,000.

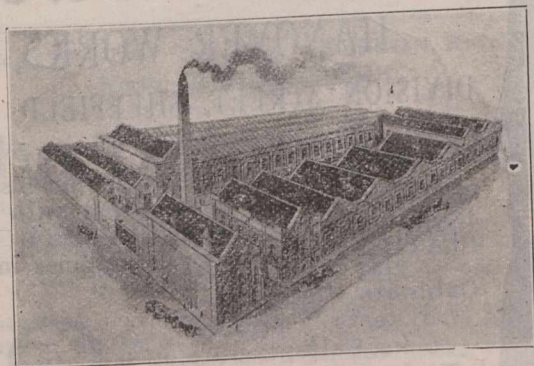
—Fire insurance rates have been advanced 25 per cent. in many parts of the United States. A Boston letter refers to a crowded meeting of the Boston Board of Fire Underwriters recently, especially called to consider the edict of the Eastern Union in regard to advancing rates. President Carpenter and Secretary Howes reported that their interview with the sub-committee in the hope of securing a concession in favor of Boston proved futile. B. B. Whittemore, of the Aetna, spoke at length in favor of the movement, and there were but two who expressed their disapproval. The necessary signatures required signifying the acquiescence of 85 per cent. of the combined insurance capital were quickly obtained so that the advance of 25 per cent. as outlined by the Eastern Union, becomes operative immediately. A special meeting of the Executive Committee of the New England Insurance Exchange has been called for Friday evening in Young's Hotel to confer with a committee of the Eastern Union relative to the application of the proposed advance in rates in the New England field.

Established 1861.

.. Bootle Jute Factory Co., Limited ..

SPINNERS AND... MANUFACTURERS.

JUTE BAGS AND BAGGING.



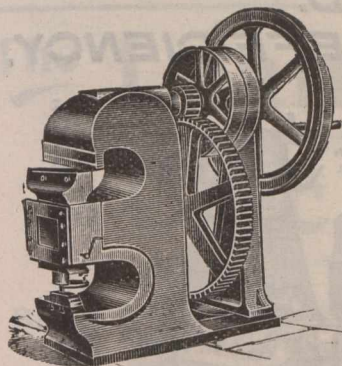
JUTE SACKING & SHESSIAN'S.

DUNDEE WORKS,

BOOTLE, - Liverpool, Eng.

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

HOW'RE YOU FIXED FOR PUNCHING and SHEARING MACHINES?



Single Ended Punching and Shearing Machines.

This one would do you good, and does not cost a fortune to own it. Our No. 4 latest is suitable for General Jobbing and Machine Shops, Blacksmiths, Fence Makers, Carriage and Waggon Builders, etc. Shears 4 x 5/8, and Punches 3/4 holes through 3/4 Iron. Depth of Punch Gap, 9 in.; Depth of Shear Gap, 3 in. Fitted with Back Stand, Steel Pintle and Tumbler Stop Motion. Complete with Punch and Die. A First-class Machine. Packed and delivered free on board at Manchester or Liverpool, £38.

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

A. KINGHORN & CO.,

TODMORDEN, ENGLAND.

PHOENIX IRON WORKS.

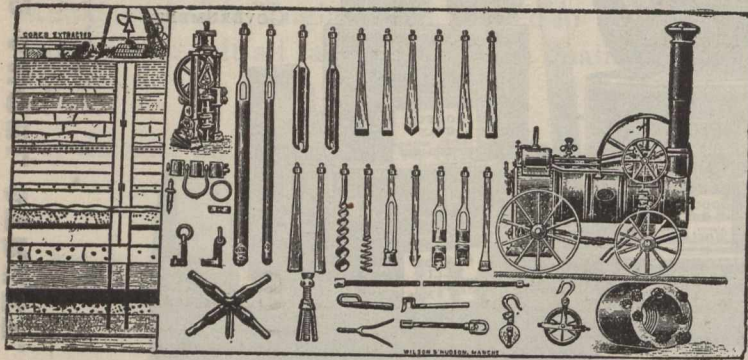
Canadians have 33 1/2 per cent. in their favor by purchasing these machines under the New Canadian Tariff.

Contractor to H. M. Government.

Tel. Address, "Thom, Patricroft."

JOHN H. THOM,

Canal Works, Patricroft, near Manchester, England.



Boring for Minerals, Oil,
Brine, Etc.

Artesian Wells put down to any depth

Manufacturer of
all kind of

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

Special Estimates under the New Canadian Preferential Tariff.

—A heavy failure in the retail dry goods line is reported from St. Thomas, Ont., the firm of Lindsay Bros. having assigned to George A. Baker of Flett, Lowndes & Co., Toronto. The firm became financially embarrassed recently, but the creditors took no decisive action, as it was hoped that a joint stock company would be formed to carry on the business. The statement presented shows liabilities of \$56,000 and assets of \$54,000, and, pending a meeting of creditors, the business is being run under the authority of the assignee. The principal creditor is the firm of Stewart, McDonald & Co., of Glasgow, whose claim is for some \$30,000, but a portion of this is secured. Stewart, McDonald & Co. have a mortgage on the building which Lindsay Bros. occupy. The firm have been doing a large business in St. Thomas, and lack of capital is given as the principal reason for the present trouble.

will more than double her acreage and planters say should raise fully 2,000,000 sacks. Louisiana will also increase her acreage to some extent, the most of which will be along the river, as rice irrigated from the Mississippi is of a much finer quality than that grown in the southwestern part of Louisiana and Texas. At present there are about thirty-five mills in operation in Louisiana, and there will be about twenty new mills erected in Louisiana and Texas, the majority of which will be in Texas, for the milling of the coming crop. There are eleven mills in the city of New Orleans alone.

—The production of rice is being heavily increased in the Western States. A St. Louis, Mo., letter states that the coming rice crop, it is estimated, will amount to about 3,000,000 sacks in Louisiana and Texas. Texas next year

—Application has been made at Winnipeg for a charter to the Northwest Colonization Company, with a capital of \$2,000,000. The applicants are Messrs. O. A. Robertson, F. B. Lynch, and J. C. Wood, of St. Paul; F. E. Kenaston, of Minneapolis, and F. G. Barrows of Fergus Fall, Minnesota. The applicants for the charter are officers of the Minnesota Land & Colonisation Company of St. Paul, Minn., a very strong corporation, which has done a large and successful business in the States. The parties have secured a tract of about 1,000,000 acres of land from the Canadian

"CASTLE" DYNAMOS

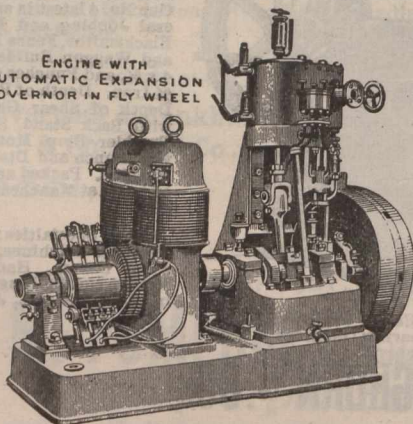
— FOR —

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."

The officers of the World's Best Navy will have THE BEST CUTLERY!

That is why their

Carvers and Bread Knives

Are bought from

Frank Mills & Co.,

HANOVER WORKS,

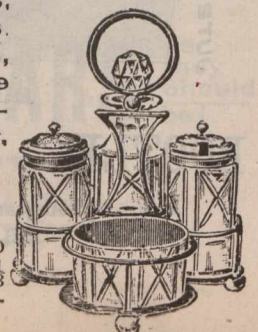
DIVISION STREET, SHEFFIELD, Eng.

We are also supplying an immense and growing number of Ironmongers with every description of TABLE CUTLERY AND PLATE. We have very special lines in

Cabinets, Fish Eaters, Desserts Spoons, Forks, Salts, Cruets, Tea and Coffee Services, &c., in extensive assortment.

Hazors Scissors, Pocket Knives.

These goods are supplied to Canadians at a reduction of 33 1/3 per cent. less, under the new Preferential Tariff.



Ice-Making

Machinery

FOR ALL

Refrigerating Purposes.

Benjⁿ Goodfellow, Limited,

HYDE, near MANCHESTER,

ENGLAND.

Special estimates to Canadians under the New Tariff.

Pacific Railway Company and the Canada Northern Land Company, embracing some of the best wheat lands in the northwest, in the Alameda, Arcola, Estevan and adjacent sections in south-eastern Assiniboia.

—The Canadian manufacturers' Association is petitioning Parliament for incorporation. The petitioners are: Messrs. J. J. McGill, Frank Paul, Hon. J. D. Rolland, W. McMaster, James Davidson, C. C. Ballantyne, Ald. G. W. Sadler, Montreal; C. R. H. Warnock, Galt; H. Cockshutt, Brantford; James Goldie, Guelph; W. C. Breckenridge, Hamilton; I. H. Smallman, London; J. B. Henderson, Paris; W. K. George, George Booth, A. C. Campbell, J. O. Thorn, S. M. Wickett, Wm. Stone, J. H. Housser, R. J. Christie, George H. Hees, J. R. Shaw, John M. Taylor, Thomas

Rooder, J. P. Murray, A. W. Thomas, E. C. Gooderham, P. H. Burton, Fred. Nicholls, C. M. Candee, R. Millichamp, E. C. Roeck, R. T. Ellis, P. W. Ellis, E. E. Kemp, W. K. McNaught, and Edward Gurney of Toronto.

—The price of a seat at the Montreal Stock Exchange has greatly increased during the last few years, and it is doubtless to be hoped that the emoluments are keeping pace proportionately. The last seat sold was to Mr. Beaubien for \$15,000. While wishing every success to their brother member, there be those among the Forty who are keenly on the search to discover where they can employ their talents to an equally warrantable effect. The suc-

A.B.C. Code.

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

John Tetlow & Sons, LIMITED.

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

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

Speciality:

Tetlow's Tested Sewer Pipes. Portland Cement.

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

The Leander Cycles

BEST ALL BRITISH MADE CYCLES
IN THE MARKET.

Made for Canadians under the new Canadian Preferential Tariff
33 $\frac{1}{8}$ p. c. in their favour.

Leander Machine Company,

Ardwick Green, Manchester, Eng.

ESTD 1865

TELEPHONE 999.

Chambers Bros

EFFINGHAM MILLS, SHEFFIELD, ENG.

STEEL MOULDERS' COMPOSITION

SPECIAL PAINT FOR THE SURFACE OF MOULDS.

GROUND GANISTER

PATENT NON-CONDUCTING CEMENT FOR STEAM PIPES & BOILERS.

GROUND MORTAR &c.



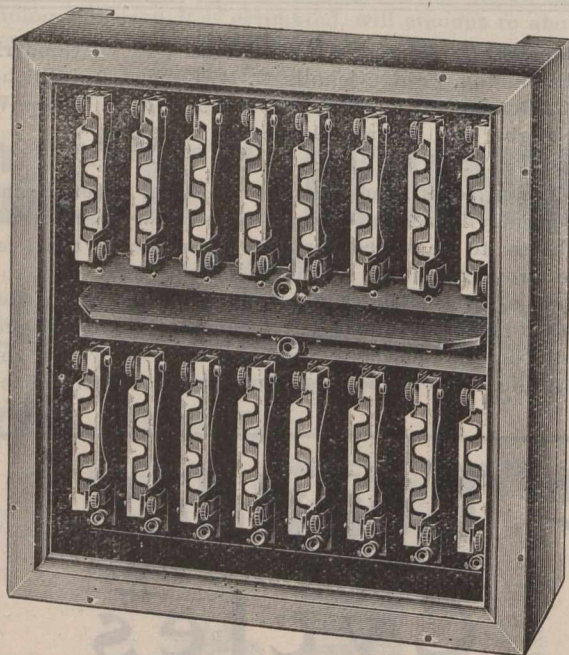
cess of such members as Senator Forget and one or two others during the last quarter of a century is worthy of being imitated, and the new member has surely as many years before him.

Ward & Goldstone,

TELEPHONE 1969.

45 Dutton St., Strangeways, MANCHESTER, England.

THE BEST HIGH-VOLTAGE FUSEBOARD



Every Maker claims the Best, WE PROVE IT!
 Low Price,
 Strong Mechanical Construction,
 Electrically Perfect.

This Board is not shoddily constructed with a view to cheapness, the fact that leading consulting engineers are specifying it and contractors are using it is sufficient testimony to its value.

For full particulars and prices see list on application.

Price : F.O.B. Mch. 1s. 10d. per D.P. Way, in case. All Sizes.

WARD & GOLDSTONE.

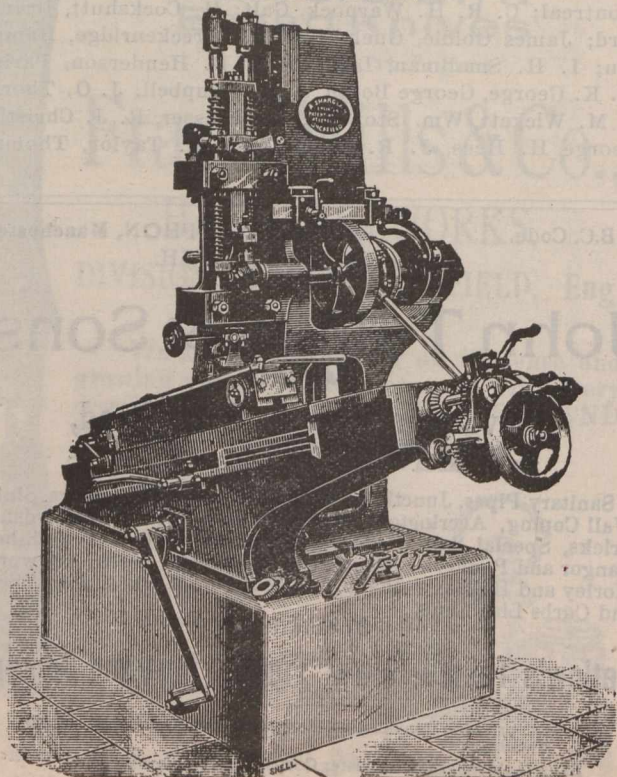
—If the English firm who wrote recently for the addresses of Canadian Canning companies will write again we shall be pleased to comply with their request. Their letter has been mislaid. Meantime communication with the following addresses may serve their purpose: W. Boulter & Sons; A. H. Baker; Haight & Hudgins; and A. C. Miller & Co., all of Picton, Ontario; Flynn Bros., St. Catharines, Ontario; W. Somerville & Co., and Aylmer Canning Co., Hamilton, Ontario; Cuthbert & Byron; J. H. Todd & Sons; and Victoria Canning Co., Victoria, British Columbia.

—The Intercolonial Railway purpose to put on a fast limited train, which will make the run between Montreal and Halifax in less than twenty-five hours. This train is expected to run in addition to the Maritime express which would make two mail trains daily.

—The inland revenue returns at the port of Hamilton for February, 1902, amounted to \$58,331.99, an increase of \$8,416.11 as compared with February, 1901.

Ambrose Shardlow & Co., Ltd.,
 Ealing Works, ATTERCLIFFE, Sheffield, Eng.
 Patent Improved File-Cutting Machines.

NEW TYPE.



The St. Helens Cable Co., Ltd.,

WARRINGTON, ENG.

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

SOLE MAKERS AND PATENTEES OF

DIA'S CABLES

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

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

ANNUAL CONTRACT FOR:

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

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

—Mr. E. W. Cox, Assistant General Manager of the Canada Life Assurance Co., has been promoted to be General Manager of that great company. Although still a young man, Mr. Cox has had a practical experience of many years in the affairs of the Canada Life, and under his management the company will doubtless maintain its wonted successful progress. As the "secret of longevity" consists more in having vigorous, healthy progenitors, so ability should descend in a similar manner, and the General Manager of the Canada Life should worthily wear the mantle.

—It is reported at Victoria, B.C., that Messrs. Mackenzie & Mann, who are building the Canadian Northern Railway through Manitoba and the Northwest Territories, have signed the contract submitted to them by the British Columbia Government to commence work on the Pacific Coast end of the line from Butte Inlet immediately. It is understood that the road, which has been under construction from the east for several years and several hundred miles of which has already been built, will cross Seymour Narrows and come down the island to Victoria.

—Mr. Paul Lacoste, son of Chief Justice Sir Alexander Lacoste, and partner in the law firm of Lajoie & Lacoste, Montreal, left Tuesday for a trip South, accompanied by his younger brother, Alexandre. Mr. Lacoste has had a protracted attack of typhoid fever, from the effects of which he is happily convalescent. His many friends—and Paul has hosts of them—wish him a pleasant sojourn and thorough recovery during his absence of his wonted strength and energy. A large number of his friends assembled at the railway station to say "au revoir."

—The intersection of St. James and St. Peter streets has been known familiarly for some time as "Bankers' Corner." The title will soon be complete, the Sovereign Bank, organized by Mr. D. M. Stewart (formerly with the Bank of Commerce and the Royal) having leased the remaining corner, (in the Mechanics' Institute building), which is to be fitted up for the new bank immediately.

—A meeting of the creditors of M. K. Richardson & Co., was held at Toronto, on the 3rd instant. No offer was made, and it was decided to wind up the estate. Four inspectors were appointed, among them James Rodger, of Gault Bros., Montreal, and James A. Macintosh, representing James McCready & Co., Montreal. M. K. Richardson is M.P. for South Grey, Ont.

—From Portage la Prairie, Man., we learn that Mr. A. H. Hearn, Manager of the Imperial Bank, goes to the Brandon branch of the same Bank, and is succeeded by Mr. J. W. Thomson of Winnipeg. Mr. A. G. Halsted has retired from the management of the Merchants' Bank branch at that point, and is succeeded by Mr. Bennett of Souris.

—Mr. Jas. Slessor, for many years a partner and buyer in the old wholesale dry goods firm of James Johnston & Co., this city, which was absorbed a few years ago by the W. R. Brock Co. of Toronto, is retiring from the connection with his late employers. Mr. Reginald Brock is manager of the Montreal house.

—Receipts at the Winnipeg Custom House for last month indicate the general prosperity of the Canadian west. During February, 1902, the collections for this port amounted to \$96,462.33. The collections of the same period in 1901 amounted to \$68,510.96, showing an increase of \$27,951.37.

—A Berlin cable announces that the tariff committee of the Reichstag adopted, on the 4th inst., the proposal to raise the duty on barley and malt from six marks 25 pfennigs to 10 marks 25 pfennigs, and on other kinds of malt from nine marks to 11 marks.

—The international sugar conference, at its meeting at Brussels, on the 4th instant, postponed the signature of the convention until March 6.

—Grand Trunk Railway System—Earnings 22nd to 28th February, 1902, \$591,203; 1901, \$526,289; increase, \$64,289.

THE STANDARD ASSURANCE CO. ESTABLISHED 1825.
OF EDINBURGH.
HEAD OFFICE FOR CANADA, - MONTREAL.
 Invested Funds, - - - - - \$48,400,000
 Investments in Canada, - - - - - 14,930,000
 [WORLD WIDE POLICIES.]
 Thirteen months for revival of lapsed policies without medical certificate of five years' existence.
 Loans advanced on mortgages and Debentures purchased. Agents wanted.
D. M. McGOUN, Manager.
J. HUTTON BALFOUR, Secretary.

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

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

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

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

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

FIRE. LIFE. MARINE.

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

THE CANADIAN Journal of Commerce.

MONTREAL, FRIDAY, MARCH 7TH, 1902.

CANADA LIFE ASSURANCE COMPANY.

The Canada Life made a further stride forward last year exceeding in extent any in its history. The number of policies issued was, 3,659 representing assurances of \$7,761,131. The increase in number of policies issued was 1,579, and in amount, \$2,397,996. The number of new policies on which first premiums were actually paid in 1901 was 3,238, representing assurances amounting to \$7,078,356, this being the largest acquisition of business ever made by the Company in one year. The total assurance now in force amounts to \$84,404,972, being an increase of \$3,365,891 for the year. The net premium income amounted to \$2,476,251, and the revenue from interest, \$1,041,365, making the total revenue \$3,517,617. The interest receipts were beyond the million dollar mark last year for the first time in the company's his-

Insurance.

PHENIX ASSURANCE CO'Y
OF LONDON, ENG.
 Established in 1781. Canadian Branch Established in 1864.
 No. 164 St. James St.
MONTREAL, P. Q.
PATERSON & SON,
 Agents for the Dominion
 City Agents:
E. A. Whitehead & Co. English Dept.
G. A. Raymond & Co. French Dept.
S. Mondou. " "

Galedonian... INSURANCE CO.
The Oldest Scottish Fire Office,
 Canadian Head Office, MONTREAL.

R. WILSON-SMITH
 FINANCIAL AGENT.
 Government, Municipal and Railway securities bought and sold. First class securities suitable for Trust Funds always on hand. Trust Estates managed.
 STANDARD LIFE CHAMBERS,
 151 ST. JAMES STREET, MONTREAL.

THE MANCHESTER FIRE ASSURANCE COMPANY.
 Established 1824. CAPITAL, - - \$10,000,000
 Head Office, MANCHESTER, ENG. | Canadian Branch Head Office, - TORONTO.
 T. D. RICHARDSON, Assistant-Manager. JAS. BOOMER, Manager.
 EVANS & JOHNSON, Resident Agents, MONTREAL.
 1723 Notre Dame St.

IMPERIAL LIFE ASS'CE CO'Y OF CANADA.

THE YEAR'S RECORD.

	Jan. 1, 1901	Jan. 1, 1902	Increase	%
1. Total Assurance in Force.....	\$9,226,350	\$11,236,700	\$2,010,350	21.8
2. Total Assets.....	1,102,092	1,339,804	237,712	21.6
3. Reserves for Policies and Annuities	597,488	798,785	201,297	33.7
4. Annual Premium Income	319,860	395,170	75,310	23.5
5. Annual Interest Income	36,273	53,502	17,229	47.5
6. Total Annual Income	306,133	448,672	142,539	46.0

E. S. MILLER, Provincial Manager,

tory. On the other hand, the death claims were \$1,163,098, being an increase of only \$50,730 over previous year, an amount less than anticipated and provided for. The interest revenue alone came within \$121,733 of the sum disbursed in meeting death claims. Including bonus additions, the death claims, endowments and annuities paid in 1901 amounted to \$1,384,239, while \$175,703 was paid as surrender values and dividends to policyholders, making the total amount paid to policyholders, or on their account, \$1,559,942.

Under such conditions as the above, under, indeed, any proper conditions, the assets of the company were bound to increase. We find, therefore, the total assets to have been \$24,504,790 on 31st December, 1901, which exceeds their total at end of 1900 by \$1,856,586.

Two detailed valuations of the Company's policy lia-

Mutual Reserve Fund Life Association

FREDERICK A. BURNHAM, PRESIDENT.

EIGHTY-ONE THOUSAND POLICY-HOLDERS.

Total Assets, \$12,264,838.21.

THE TWENTIETH ANNUAL STATEMENT

Shows that the 1900 Business Brought

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

...AND..

An Increase in Insurance in Force.

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

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

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

Home Office, Mutual Reserve Building, - - NEW YORK CITY
Montreal Office, - - La Presse Building.

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

UNION ASSURANCE SOCIETY OF LONDON.

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

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

ONE OF THE OLDEST AND STRONGEST OF FIRE OFFICES.

CANADA BRANCH:

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

T. L. MORRISEY, Manager

bilities have been made, one upon the Combined Experience 4 per cent. basis, the other upon the Institute of Actuaries Hm 3½ per cent. table. A valuation was also made of all policies issued since 31st December, 1899, upon an Hm. 3 per cent. basis. The Directors announce the final transfer of the Company's reserves to an Hm 3½ per cent. basis, and that all policies issued since January 1st, 1900, a rate of interest of 3 per cent. only has been employed in their valuation. No other Canadian life company and with only one possible exception, no United States company employs a valuation basis so stringent, or holds such strong policy reserves as the Canada Life. These results are the natural outcome of the far-sighted, conservative policy adopted by the founders of this great company, which is being maintained under the present management under the President, the Honble. Geo. A. Cox.

Reference is made elsewhere to the promotion of Mr. E. W. Cox to fill the position of General Manager of the Company.

ONTARIO LOAN AND DEBENTURE COMPANY.

The above company held its 31st annual meeting in London, Ont., on 12th ult., when, as usual, a report and a statement were presented which gratified the shareholders. The decline in the rates of interest procurable on mortgage loans renders it impossible for companies of this class to make the profits they secured in years gone by. There is, however some compensation for this, as, we believe, the general prosperity now prevailing, which is largely the result of capital being more abundant, as it

is also, a cause of its increasing, gives greater stability to the values of such securities as are loaned upon. The interest and instalments of mortgages are better met, and fewer properties fall into the possession of loan companies by foreclosure, while some of those they have had to take over, are being sold or redeemed.

The Ontario Loan and Debenture Company cleared a net profit last year of \$100,512, which is over 8 per cent. on the paid up capital. This sum provided funds for two half-yearly dividends of 3 per cent., and left \$25,000 to be added to the reserve fund, and \$3,512 to be carried to balance of profit and loss, which, to amount of \$15,121 is carried forward. The Company has sterling debentures current to amount of \$965,888, and currency debentures, \$283,663. Its deposits amount to \$560,743. The mortgage loans amount to \$3,315,968, and those on debentures, \$142,616. One item in the statement confirms the remark as to the improved conditions of loaning business, which reads, "Amount previously written off interest earnings, but found unnecessary, \$5,000." This is the first time we ever saw such an item stated in a report, though we have known such a re-transfer to have been made. The reserve fund now amounts to \$560,000, which is close upon 50 per cent. of the paid-up capital.

The manager, Mr. W. F. Bullen, and the President, Mr. John McClary, of the eminent manufacturing firm, have every reason to feel gratified over the results of the business in 1901.

THE HAMILTON PROVIDENT & LOAN SOCIETY.

The 30th annual meeting of the above Company was held at Hamilton on the 3rd instant, the president, the Honble. A. T. Wood, being in the chair. A pleasant feature of the gathering was the presentation of a portrait of the President, which now adorns the board room.

The net profits of the year were announced to be \$87,997, which is 8 per cent. on the paid-up capital. Out of this sum there were two half-yearly dividends paid at the rate of 6 per cent. per annum, which left \$20,000 to augment the reserve fund which was raised to \$340,000, and \$848 to be added to the contingent fund that now amounts to \$25,771. The sterling debentures are \$495,767, the debenture stock, \$423,400, the currency debentures, \$419,731, and deposits, \$724,917. Since 1899 the sterling debentures have been reduced to the extent of \$57,913; the debentures stock increased, \$48,968; the currency debentures increased, \$112,952. These changes increased the debentures from their amount in 1899, \$1,236,408, to \$1,338,898, a net increase of \$102,490. The deposits in same period were reduced to extent of \$78,804, so that the loaning resources of the company since 1899 have been enlarged by \$23,686, while the loans have increased \$82,170, their amount now being \$3,338,313, and the reserve fund has been enlarged from \$300,000 to \$340,000.

The company reports that, "repayments by borrowers have been very satisfactory," as has been the experience of other loan companies. The amount received for interest was \$191,000. Operations have been extended to that part of the North-West Territories lying between the boundary of Manitoba and west as far as Regina, which district is within a reasonable distance of the company's Brandon office, the business to be under the personal supervision of Mr. Harcourt, general agent in Manitoba.

The affairs of this prosperous company are conducted with good judgment by Mr. C. Ferrie, Treasurer, and a Board of Directors presided over by the Honble. A. T. Wood, the Vice-President being Mr. Alex. Turner. A full report of the meeting will be found on a later page.

BRITISH AMERICA ASSURANCE COMPANY.

In calling attention to the Report of the proceedings at the annual meeting of the above Company published on a later page, we cannot but express satisfaction at the results of the business of 1901 being so much better than was anticipated. The fire losses last year were so extraordinarily heavy in the field where the British America operates that it would have been no surprise had the company's share been considerably larger. Thanks, however, to careful underwriting and the method of distributing risks over as wide an area as possible, in vogue by the management, the company came out of a very disastrous year with, comparatively, a moderate loss.

There were many fire insurance companies who lost considerably in 1901, all their income having gone up in smoke and a heap of ashes being all their surplus. The British America announces having made an underwriting profit of \$58,795, which, though certainly not an adequate return for a business of such magnitude, was better than the average of the fire companies.

The total cash income was \$2,040,197 and total expenditure, \$1,940,607, leaving a balance of \$99,590, of which \$65,000 was appropriated for dividends, \$4,045 written off furniture account, and the balance, \$30,545, was added to the reserve fund, which stands at \$612,001. The total assets amount to \$1,755,849; the cash paid-up capital, \$1,000,000; and reserve fund, \$612,001, making \$1,612,001, as security to policyholders.

In moving the adoption of the Report, the Honble. Senator Cox, President, stated that one-half the profits had been derived from the Marine business, although the premiums were only one-quarter of the total premiums. The President anticipated that the increased rates so generally adopted on this continent will have a beneficial effect upon the business. He regarded the record of the British America to have been more favourable than that of many companies operating in the same field. In nine years its business had doubled, and its average loss ratio was only 59 per cent., as compared with the average of 70.3 per cent. of all the companies doing business in Canada. Such a favourable comparison called for a recognition of the work of the officers of the Company, and the shareholders at the meeting were not slow in responding, when the staff was complimented by the President. In Mr. P. H. Sims, the British America has a very efficient Secretary, and the Vice-President, Mr. J. J. Kenny, as an underwriter, has few compeers.

HARBOUR MATTERS.

When last week's meeting of the Harbour Board was closing, the President informed the members that he would have some "good news" to communicate at the next meeting. That important feature of the proceedings was duly reported by the daily papers, and, doubtless, joy illuminated the countenances of the members, to

whom "good news" has, for long weary months, been exceedingly scarce.

As we mentioned last week, this information set all interested in harbour matters surmising as to what the "good news" would be. Hope as usual kept up its flattering tale to the human breast, and many who had become somewhat despondent about any progress being made in harbour affairs, under the present regime, again took heart and hoped for some brilliant stroke of genius that would clear the atmosphere and restore the sunshine of prosperity, continued progress and brotherly love that for so many years had characterized the management of the Montreal harbour affairs. All the pleasing prospect thus held out for a week to the imagination of the credulous and the incredulous alike, was, however, completely knocked on the head and dissolved at the Monday meeting of this week.

From the faithful and impartial reports of the daily papers we find that the "good news" that had been predicted was to be the receipt of an estimate of the cost of preparing the plans and specifications for an elevator expected from and promised by a Mr. Webber of Buffalo, but which had not arrived up to the time of the adjourned meeting of Monday.

The report of that meeting may prove to be amusing reading to many people, but it certainly does not tend to edify those most deeply interested in the welfare of the port, or raise the members, to whom are entrusted its management, in their estimation as the embodiment of wisdom or efficiency to the country. The "good news"—even if it had materialized—was that after a whole month's cogitation and negotiation, this Mr. Webber, who to Montrealers generally was previously unknown, agreed to send last week an estimate of what it would cost to prepare a plan and specifications for an elevator but, for some reason or other, he failed to send it—hence the disappointment. Can it be wondered at that the expectation held out of "good news" turning out a mere flash in the pan—and that even not very observable—instead of some grand pyrotechnic display, has led to a feeling something akin to disgust. The whole proceeding looks like a mockery, and is unworthy of the position that the management of the harbour should occupy.

It appears to be a most anomalous position. In Canada we have successful practical elevator builders, and yet we must send to the States for plans. The reason given is that we have no steel elevators in Canada. That may be true, but until the last year or two they did not have them in the States. However, that is beside the question, and the Board cannot be allowed to be befooled into losing valuable time in this matter any longer, as they have been doing ever since that memorable trip the Commissioners took to Buffalo when they became entangled with Connors and the other parties whose sole object was apparently—and as we now see—to delay any interference with Buffalo and American transportation interests on the great lakes.

It is time that all this nonsense stopped and we depended on our own intelligence. The only new outcome of the last meeting was the submission of a proposition from the Terminal Railway Company to build and work a system of elevated railway tracks to connect the whole length of the harbour above and below the Lachine canal with spurs and sidings to all the piers and wharves. This is a departure from ideas that have hitherto prevailed in harbour circles, but it cannot be said to be entirely new, as it is well known that something on the same lines has

before this been advocated by Mr. Mullarkey, the active manager of the Terminal Company, who signs the letter to the Board.

There is something taking in this proposition that will commend it to all interested in the welfare of the future of the harbour. It is evident to everyone that has considered the subject that if the harbour is to be put in a position to compete successfully for the great trade of the future that the railway traffic must, in some way, be carried on at all hours of the day and night. That cannot be done on the same level as the ordinary traffic, with safety. If the proposed plan will overcome that difficulty, of which there can be no doubt, it becomes merely a matter of cost, and that should not be an obstacle.

The elevated system is not a new one, and it is now to be enforced in many other places of importance where it has become a necessity. As we understand it, the proposition of the Terminal Company is, in general terms, one that embraces the working of all the railway traffic in the harbour, taking it from all the railways that now use the harbour rails, as well as from other companies who, in the future, may desire to do so. That is a feature of harbour management that has frequently been pointed to in these columns. It would very largely increase the capacity and usefulness of every yard of track on the wharves. Such a system was nearly arranged for some years ago, when the Canadian Pacific first got an entrance into the harbour. Now, when other companies are seeking for a like entrance, would seem to be the proper time to again consider it, before the reorganization of the system of the harbour tracks is decided upon. The re-arrangement of the present system of tracks will be a necessity arising from the changed condition of things. It is generally understood that such a plan has been prepared by the Harbour Board, but an air of mystery is about it and no one sure of the precise nature of it. There are various rumours afloat as to what is to be proposed, some of them somewhat startling, but we prefer to see an official statement before commenting upon them.

It is now long since we called attention to the importance of deciding upon a general plan which would provide for the complete equipment of the harbour facilities and their economic working. In the early part of the last season, the Minister of Public Works officially called upon the Harbour Board to give attention to this matter, but it was neglected for the consideration of grievances more or less fancied.

Now, however, this vital question is forced into consideration, and, on the final decision of those on whom responsibility rests, much will depend as to whether or not Montreal shall maintain the pre-eminence it has long held as the chief port through which the business of the Dominion passes. That position can only be maintained by the united action of those charged with the management of the port's interests and a determination on their part to sink all differences of opinion, personal interests and feelings, and to work together for the best general welfare.

A lesson of the advantage from unity of action can well be learned from what is going on in the matter of transportation in other ports competing in the endeavour to take away Montreal's trade, not only in the American Atlantic ports, but even in ports further down on our own St. Lawrence route.

The time has come when it is necessary to speak out plainly, and insist that all this unseemly bickering and quibbling about differences of opinion and fancied griev-

ances should cease and real work started to put the position of the harbour on a proper footing.

The placing before the public a complete plan of what is required to perfectly equip the harbour has been too long delayed. It is evident now that much consideration will be required to arrive at a satisfactory conclusion, and judging by the past—unless wiser counsels prevail—Montreal must suffer from procrastination and divided opinions as well as divided responsibilities. This is a crucial time in the history of Montreal. Will its leading men rise to the occasion, keep its present trade and secure its due share of the growing trade of the future?

THE IMPERIAL-ALLIANCE.

Although some time has elapsed since the amalgamation of the Imperial and the Alliance companies was announced in these columns, the opinions among British underwriters as bearing on the subject continue to interest insurance men on this side of the water. The Economist of London, which may be said to reflect the views held in high places on the subject, comments at much length thereon in a recent issue. "In respect of magnitude, the transaction is probably unprecedented." In employing the article in the Economist we retain the sterling basis.

The Alliance, always an office of the highest rank, has hitherto been comparatively small; the Imperial Alliance Assurance Company will be one of the largest and most powerful insurance companies in the United Kingdom. The amalgamation, too, will be of a somewhat exceptional character. The Alliance has confined its energies mainly to home business. The Imperial (Fire) Insurance Company, on the other hand, has extended its connections all over the world, and has thus occupied ground which the Alliance has left practically untouched. The fusion of these offices will, therefore, cause much less overlapping, both in home and foreign agencies, than might have been anticipated. At the same time, it must not be supposed that the transactions of the Imperial Alliance will be so great as those of the combining offices. Instead of restricting competition, the first effect of the fusion will be to cause keen competition among other insurance companies for the business which the Imperial Alliance desires to be quit of. There will be some abandonment of risks and a good deal of re-insuring, and the joint fire incomes of the present Alliance and Imperial companies may be reduced from some £1,250,000 per annum in premiums to about £1,000,000.

There are always two aspects to these insurance amalgamations; first, how they affect the shareholders of the companies concerned, and how they affect policyholders and the general public. In this particular case the purchase considerations are sufficient, if not generous. The shareholders in the Imperial Fire Office get 187,500 fully-paid £1 shares in the Alliance, which will rank for dividend with the existing Alliance shares of £20 each, £2 4s paid, and be worth, say, £10 each, in exchange for 60,000 shares of £20 each, £5 paid, of which the market value is about £27 10s. The Imperial Life shareholders will get 28,125 similar shares in exchange for their 37,500 shares of £20 each, £4 paid, of which the market value is £6 5s. The holdings of the Imperial shareholders will thus be increased in market value, and be, in addition, freed from all liability. The shareholders of the Alliance get a better balance between capital and turnover

than they have had up to the present, and possibilities of higher dividends in the future. Hitherto the paid-up capital of the Alliance has been £550,000 on a fire premium income of about the same amount, and the strain of earning a high rate of dividend has been very great. Indeed, the Alliance would have reduced its capital long ago had there been a convenient method of doing so. But as, of course, the directors could not show any loss of capital, they could not very well ask the shareholders to consent to any reduction of the amounts paid up. Under the new arrangement the paid-up capital will £800,000, against a fire income of a million sterling at least. The sources of increased dividends are expected to be (1) a lower rate of expenditure, and (2) reserves so ample that they need not be increased out of profits. So long as the Imperial Alliance has to maintain officials which it does not want, and branch offices which it does not want, there cannot be much reduction in working costs. These amalgamations are usually disappointing in that respect. But when these superfluities are got rid of, there may possibly be a small saving. As regards branch offices, in cases where there is overlapping a system of amalgamation will be adopted, and the most suitable office, whether of the Alliance or the Imperial, will be ultimately kept up. The fire businesses of the Alliance and the Imperial offices have been conducted at an expenditure on commissions and management of from 35 to 37 per cent. of the net income from premiums. If this expense ratio can be reduced to 33 per cent.—representing a saving of about £30,000 a year—that is the utmost which can be expected. We are not sanguine as regards the economies to be derived from amalgamations or fusions. On the other hand, since the paid-up capital and shareholders' reserves of the Imperial Alliance will amount to more than £3,000,000—that is, to over three years' income from fire premiums—they will clearly be sufficient for all purposes of security. If they are maintained at this level, when necessary, out of revenue, any balance may safely be applied in paying dividends. The interest alone on the reserves will be sufficient to provide a dividend of some 12 per cent. per annum on the paid-up capital, even if no profits at all are earned on the fire business.

As regards the policyholders and the public it may be said that no particular amalgamation matters much, though a large number of amalgamations would be a disadvantage. The fire tariff, though limiting competition, does not eliminate it. The experience of offices varies, according to their methods of business and skill in management, and there is rarely unanimous agreement in respect of any tariff rates. The fact that all offices are keen about getting business, and that it is generally to the direct interest of one or more offices to keep rates down, is a strong check on the tariff machine. But this check would be considerably weakened if the number of competing offices became much restricted. A more important consideration is the necessity which fire companies labour under of "spreading their risks." No fire company, however, strong, cares to have more than a certain amount at risk on any one building or "block." Very large insurances are spread over a great many companies, more or less equally. It is possible that if the number of really strong offices was considerably reduced by amalgamations, insurances of some quarter of a million and upwards could not be placed at all. For it must be remembered that two offices which combine do not accept so large a single risk as the two individual companies were willing to take before combination. There might also

arise difficulties in connection with foreign agencies which are to some extent limited by the Fire Offices' Committee. But in practice this point is not of importance. The rules of the Fire Offices' Committee merely express the views of fire insurance managers at any moment; they are subject to alteration when necessary. In the case of the Alliance and Imperial offices the nature of the separate businesses will cause hardly any overlapping in foreign towns.

Life policyholders are in a different position from those who take out fire policies. Many of them share in profits, and their interests must be jealously preserved. In the case of the Imperial Life Office, the funds and business will be kept distinct from that of the Alliance. The policyholders will have the security of their own funds and the added security of the Imperial Alliance's capital. The expense of working the business will be limited to 10 per cent., which, as no new assurances will be effected in this department, corresponds roughly with the present expense ratio of about 14½ per cent. The participating policyholders will rank for precisely the same proportion of the surplus of their own funds as they are entitled to receive at present. Ultimately the life business of the Imperial will be merged in that of the Alliance. On the whole, we are inclined to think that the life policyholders will get some small advantage out of the fusion, more especially after a few years. As the number of those who share in the profits is gradually reduced, and compound interest piles up the reserves, the survivors will probably come in for larger bonuses than they enjoy at present.

SPRING MILLINERY.

That Fashion had a free hand in the selection of the shapes, trimmings, shades and ornaments which go toward the perfection in groundwork and finish of the new Spring hat was readily seen by those whose favourite lot it was to be present at the millinery displays this week in Montreal and Toronto. This free hand did not content itself with what past searches at home and abroad had produced, adding in addition blends quite unique and shapes and colorings quite new even to the practiced eye, but went one step further into the unknown among hat ornamentations. Green fruit, when first shown as assisting the perfection of the new spring hat, was greatly admired, this appreciation continuing up to the present, except in so far as the various changes from one to the other, not excepting the wildest swamp variety of berry. Now for the first time the realm of the dried fruit is invaded and if the ubiquitous small boy was ever tempted to surreptitiously pick ripe red cherries from his sister's hat he will this season have further temptation awaiting his best chances by seeing in the same miniature garden luscious table raisins within his daily reach.

Variety is conspicuous both as regards shapes, trimmings and ready-to-wear hats. The following descriptions might be enlarged on with ease from the profusion of this season's display, but from these the predominating styles will be understood:

Laces will be very conspicuous, the linen laces and fancy Paris laces taking the lead, followed by Chantilly, Battenberg, Plouan, Lyons and Maltese. The fancy laces show the square mesh. Many flowers are used, principally roses, also small berries, and a novel feature is the "Nacare" coloring. Small effects obtain, and the wreath mount is apparently the most popular. The Queen's

favorite flower, the lily of the valley, will have great vogue. The shapes run into roll brims and pointed crowns, with low back, and will in all probability be confined to a dozen, all told. The straw trimmings in soft makes are a big factor also the fancy lace crowns and the lace and straw combined, and the linen and lace mixtures. In ribbon everything soft, satiny and wide, although some glaze is shown, and a new ribbon is of high-class chiffon and satin mixture.

The all-black hats will be very popular. A particularly handsome black was finished with strings of large cut jet beads falling in graceful loops at the back and surmounted by a black brush osprey. The osprey is a feature of the trimming this season. A large French hat was made of the soft, rustic braid in twine shades, and, although there was a crown, it was large and low. Wreathing the brim in flat effect were clusters of large cherries, and a flat rosette of velvet ribbon. An all-white model was in the shape of a large turban of soft straw, the crown fitting close inside the deep brim, which was laced with a scarf of pleated chiffon, falling in soft ends at the back and finished with osprey and pearl ornament. Some very handsome sets were noticed, the boas all fluffy with chiffon and touches of flowers and lace as a finish. These sets of hats and boas give a handsome finish to a costume, and are immensely becoming to the wearer. An attractive turban for early spring wear was in black and yellow; the new fringe straw braid composed the shape. Large black and yellow buttercups gave an effective finish. One attractive model was a simple affair of pleated Yeddo straw, trimmed with large pearl and gold filagree pins, with foliage under the brim. A tricorne in poppy red straw was finished in a unique manner with a straw rosette at each corner, the intervening spaces in the brim being covered with red silk poppies of varying shades. A finishing touch was given by the judicious introduction of wide red taffeta ribbon. A dainty hat, with a rolling brim and sequined tam o'shanter crown, was of beaded black braid, trimmed with black and white ospreys, and a bow of black satin ribbon.

An attractive hat for a child was of pink silk, the upper brim and tam crown being of the silk crossed with black lace insertion, the silk and lace falling over the under brim of pink straw, faced with pink June roses. Long ends and bows of black velvet ribbon were placed at the back. One of the most effective models was a flat toque of fine white fancy braid, trimmed with two large jet cabochous, between which fell jet chains. A large black picture hat, turned off the face, was formed of innumerable fine black tulle pleatings, and trimmed under the brim with pink June roses. A lovely white picture hat was of tulle, the brim formed of white hyacinths, peeping from beneath a band of point lace applique. In the centre of the straw braid crown there was a bunch of black berries and foliage.

The French hats are conspicuous by broad, flat effects, drooping at the back. In the English hats some gold is noticed, and a great deal of pearl trimming is used. The flower toques and hats are very new, and especially lovely. They come in the small flowers and roses. One exquisite shape was of hydrangea, in natural coloring and foliage. The fringe straw braid is used on many of the patterns, and gives a very smart effect. The linen and twine colors are great favorites in straw and lace. A very chic Napoleon was of twine colored straw, faced with dull black straw frills and finished with a draped scarf of linen gauze, with black lace applique.

Fancy straws are shown in abundance, chips chrysanthemum straws, satin straws and the like, and the delicate tints, especially in trimmings and foliage, predominated. One pretty chip was overlaid with black lace with a plait of straw forming an edge to the brim, and this was trimmed with scarlet poppies and red velvet. Close rosettes of liberty silk ribbon decorated many of the hats. One, made of pink chiffon, plaited with fancy straw, was trimmed with black velvet embroidered with black straw and with dull pink flowers. Another, of turquoise blue, was trimmed with a very large Alsation bow of wide pink silk at the back of the hat, the loops and buds turning towards the front. Yet another, of white chip, was trimmed with narrow black velvet in rows, also with white lace and poppies. Still another had a flat crown black chip with a brim of plaited white tulle, and this was trimmed with white and black net embroidered with black beads, also with black poppies and black velvet. A white hat of fancy straw was trimmed with white lace and with small pink rosebuds and foliage arranged in four groups on the crown. A hat that was much admired was of Tuscan with a brim of Oriental silk and ecru lace with bows of black velvet. A petty black and white hat of white tulle and black lace, trimmed with black chrysanthemums, had a velvet brim, under which was black open work straw over white silk, and a pretty bunch of pink roses. A scarlet hat was made entirely of poppy leaves in various shades, and was trimmed with poppies and their foliage. Embroidered chiffons in all colors with lace applique or woven with gold or silver will evidently be much used in summer millinery.

Some ready-to-wear hats were of white chip, and others of black chippe, the latter having a trimming of white chiffon veiled in black lace inserted in and out round the edge of the brim, a large rosette of white chiffon edged with narrow black chenille forming the only other trimming. Other pretty hats in this section were those in pale tints, with the crowns of satin straw and an edge of thinly-woven straw, the effect being like chiffon, and in this fine thread, as it were, of satin straw was interwoven. Some very pretty ready trimmed hats were of pale pink, pale blue or white straw trimmed with soft silk of the same shade, edged with a row of the heavy straw. Among the materials for trimming was a large display of chiffons and of nets in black and white embroidered with fine straw, in natural shade, or in white, black tuscan and other popular tones. These embroideries are sometimes done in pearls, alone, or in combination with the straw, and the effect is wholly new and very rich. Black nets appliqued with white lace and black chiffons embroidered with bright black straw mixed with sequins will be the materials used extensively for black hats and bonnets this summer. Fancy straws are much in vogue, the lace braids put on in ruffles being seen on many of the pattern hats. Shaded effects, especially in tones of old rose and of tuscan, seem very popular.

A hat of turban shape with a deep rolling brim of white tulle embroidered with black and white straw had a low crown of soft, white roses, a large black velvet bow at the back, drooping over the hair, adding a very stylish touch to the whole. Another hat of white tulle had a crown of delicately shaded pink roses, with a brim of white tulle veiled with fine black lace embroidered with sequins, black velvet bows and white ospreys, leaning towards the front. A quaint black hat of fancy straw and chiffon was trimmed with a wreath of ivy leaves laid along the brim. A very stylish hat was of heavy bisque

Widnes Foundry Company.

✦ ✦ ESTABLISHED 1841. ✦ ✦



Morecambe Pier (East View),

ERECTED, 1898, BY

THE WIDNES FOUNDRY CO.

WIDNES,

Lancashire, - - England.

plaited straw, with a crown of Renaissance lace, and this was trimmed with tomatoe red velvet, berries in different shades of red and ivy leaves. A particularly dainty white hat was of tulle embroidered with silver, a crown of white lace with a wreath of pastel shades and foliage, a twist of burnt orange taffeta ribbon being placed under the brim. Another handsome hat was of delicate pink chiffon embroidered with pink traw trimmed with a Dresden ribbon edged with pink, and with pearl ornaments joined by strings of pearls. The crown was of soft pink roses, so low that it was almost hidden.

Reports from Toronto justify the same remarks for the West as pertains to the openings in Montreal. Visitors were here in greater numbers than ever before and they purchased with a freedom that bespoke not only a good season ahead but paid with a readiness that proved a good groundwork for a successful millinery season for both the wholesale and retail trade.

C. & A. MUSKER, LTD.,

LIVERPOOL, ENGLAND.

MANUFACTURERS of every DESCRIPTION of
Hydraulic & Electric Machinery.

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

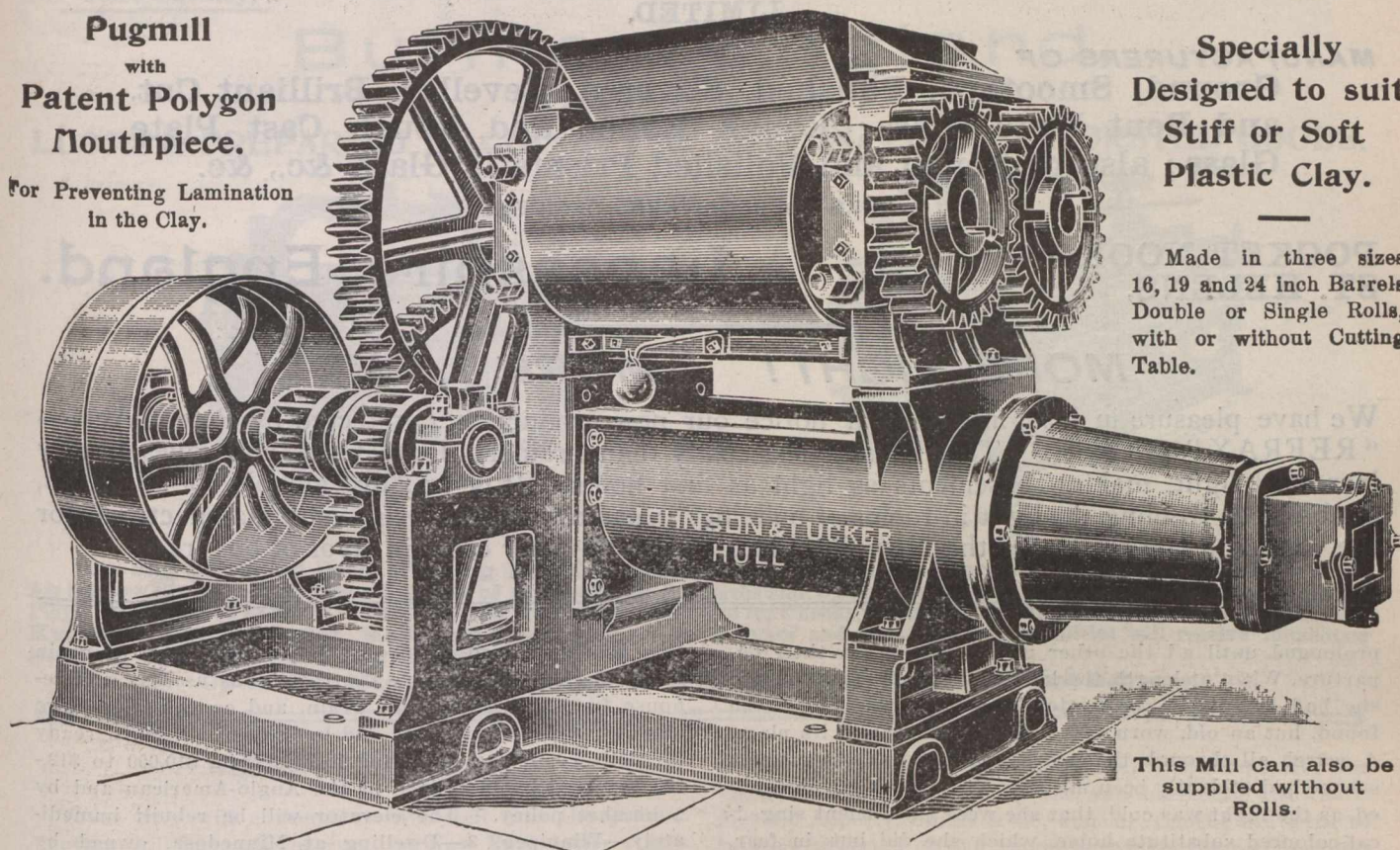
Telegraphic Address: "Muskers, Liverpool."

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.

TOBACCO AND CIGAR STATISTICS.

The returns of the imports and exports of Canada for the fiscal year ending June 30, 1901, have been prepared. Imports—Cigars: For the year ending June 30, 1901, were imported a total of 7,960,000 cigars valued at \$263,540, not including duty. A year previous were imported 8,909,266 cigars, valued at \$313,576. The increase in imports therefore totals 949,226; or, in other words, an increase of 12½ per cent. Of these cigars, 6,147,035 came from Cuba, being 524,000 more than in the previous year. Of Manila goods were imported 1,554,925; increase, 250,000. From India, 74,200; a decrease of 25,000. From Germany, 111,000; decrease, 54,000. From Mexico, 344,000; increase, 246,000. From the United States, 497,666; increase, 40,000. It will be seen from these figures that the imports from Cuba, Manila, and Mexico are steadily increasing, while the trade in Indian and German cigars is falling off.

Tobacco—The total imports of cut tobacco amounted to 120,940 lbs., and of plug tobacco, 108,788 lbs.; total, 229,728 lbs., valued at \$128,527. This branch of the trade shows a decrease as compared with last year of 78,329 lbs. From England were imported 73,144 lbs. of cut tobacco, being an increase of 11,728 lbs. over the previous year. From the United States were imported 36,579 lbs.; decrease, 16,600 lbs. There were also imported from the United States 108,051 lbs. of plug tobacco; being a decrease of 68,000 lbs. as compared with imports of the previous year.

Cigarettes—Total imports of cigarettes in 1901 (fiscal year) amounted to 4,050,410; an increase of 551,410 over the previous year. Of these cigarettes there came from Great Britain, 2,043,670; from Egypt, 1,386,600; from the United States, 140,000 and from Turkey, 84,000. England increased her exports to this country half a million and Egypt over half a million, while the United States shows a decrease of 340,000.

Pipes—(Including general smokers' sundries)—The total imports of this class of goods amounted to \$292,895, not including duty. This represents an increase of \$78,838 over the previous year. Of this total Great Britain sent \$92,190, increase \$22,190; France, \$92,337, increase \$26,047; Aus-

tria, \$51,802, increase \$22,074; Germany, \$37,498, increase \$10,679; the United States, \$18,650, decrease \$1,745.

Exports—Tobacco: Exports of cut and plug tobacco amounted to 473,904 lbs., representing an increase of 299,957 lbs., over the previous year. There were shipped to St. Pierre 75,534 lbs. of tobacco; Newfoundland, 21,404 lbs.; Great Britain, 20,516 lbs. There were also shipped to the United States 277,567 lbs., and to Gibraltar, 51,405 lbs. of manufactured cut tobacco.

Stems and Cuttings—During the last fiscal year were exported 403,252 lbs. of cigar cuttings, being an increase of 182,252 lbs. over the previous year. These figures will give Canadian cigar manufacturers a good idea of the amount they will obtain from the rebate on cuttings of 10 cents a pound, which came into effect on June 30 last. Had the rebate been in force the previous year the trade would have had just \$40,325 distributed among them from this source.

A SEAL SACQUE LOST AND FOUND.

The exchanging at social gatherings of robes, hats, umbrellas and other personal belongings has been more than usually frequent during the season. While hats are not always readily interchangeable, it is not so with the ubiquitous umbrella and, more important still, the sealskin sacque, an article that may be made to fit any but the most rotund belle. Coon coats, which continue to be the fashion with the sterner sex, also fit most men, and several of these have been misappropriated during the winter. One lady of ample means has had to buy a couple of these comfortable garments for visitors to one or two of her entertainments, and which, changing wearers during the "wee sma' hours ayont the twal," failed to find the rightful owners. One of the most notable cases of exchange of the kind during the pre-lenten festive season concerned an elegant seal sacque which the owner had been presented with by her husband but a few days before the evening of the party. As the hostess and the owner of the garment had not met for some time, leave-taking was

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Established 1837.

Union Plate Glass Company,

LIMITED,

MANUFACTURERS OF

Ground, Smoothed, Polished, Silvered, Bevelled, Brilliant Cut, and Bent Plate Glass; Rough Rolled and Rough Cast Plate Glass; also of Rough and Polished Prismatic Glass, &c., &c.

WORKS and REGISTERED OFFICES:

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ST. HELENS,

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MORE LIGHT! MORE LIGHT!

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

prolonged until all the other guests had taken their departure. When at length the lady sought her sacque where she had left it—in the hostess' room—it was not to be found, but an old, worn and faded article was in its place. A search all through the house was in vain; the elegant sacque had evidently been miscarried. It was recommended, as the night was cold, that she wear the ancient singed-cat-coloured substitute home, which she did but, in fear, lest her husband should observe it. Inquiries during the next few days failed to discover any clue to the missing robe. It was determined to continue the inquiries at the fur stores. At the first shop visited, the proprietor or clerk comforted the seeker with the assurance that the garment must soon be found, as every article of the kind had now adays the name of the owner affixed under the collar or between the fur and lining.—"Just like this," said he, as he brought forward an elegant seal sacque, and raised the collar to exhibit the name.—"This," continued he, "was brought in a few days ago to be somewhat altered in the fit."—What was the lady's surprise to read her own name on the part indicated. "Who is getting it altered?" asked she, with what coolness she could command. The amazement with which she heard the name of her hostess of a few evenings before may be more easily imagined than described.—We tell the tale as 'twas told to us; further the hearer knoweth not.

FIRE LOSSES.

Toronto, March 2.—Union Loan building badly damaged. Loss will be about \$10,000, fully covered by insurance of \$15,000 in the Aetna and \$10,000 in the Scottish Union. The owners, the Toronto Mortgage Loan Company, will rebuild and remodel the building, spending \$25,000. Other losses among tenants are: Burke & Horwood, \$2,000; partially insured. Winton, & Leyden, \$300, fully insured. Maclaren, Macdonald, Shipley & Co., J. Bruenach, J. Stark & Co., H. O'Hara and C. C. Baines all suffered slightly, and are located in temporary offices. The caretaker, R. J. Massen, lost everything he had.—Shoal Lake, Man., 3.—Hudson Bay Company's stores destroyed.—New Hamburg, Ont., 2.—Buildings and stock of the New Hamburg Manufacturing Company are a total loss. The buildings, belonging to Henry Brodrecht, are valued at \$12,000, insured in Gore Mutual for \$3,000, Economical, \$2,000. The loss on stock was \$15,000, including steam threshing outfits, traction engines, land rollers, etc. It was insured for \$7,000, in the following companies: Perth Mutual, \$2,000; London Mutual, \$2,000; Merchants', of Toronto, \$2,000; Economical, \$1,000.—Lindsay, Ont., 3.—Hogg & Lytle's elevator at Mariposa Sta-

tion was destroyed by fire. Only a few bags of grain were saved. The building destroyed was used as a warehouse for cleaned and seed grain, and contained a large stock of peas, wheat, oats and buckwheat in bags, ready for delivery. The estimated loss is from \$10,000 to \$12,000; covered by insurance in the Anglo-American and by a blanket policy. The elevator will be rebuilt immediately.—Winnipeg, 3.—Dwelling at Minnedosa, owned by Jos. Burgess and occupied by James Bullmore, burned.

DAIRY PRODUCE.

A private London circular, date 21st ult., treating of the dairy produce situation, says: Butter.—The demand for Australian and New Zealand butters of the choicest quality continues unchanged, and is likely for some time owing to small supplies. Although the Rimutaka from New Zealand docked yesterday, and the Maori only three days before, thus bringing a double supply on to-day's market, yet, as the next vessel, the Tokomaru, is not due for nearly a month, this extra amount will be easily absorbed, and will not depreciate values. Prices for ordinary choicest brands remain at 110s to 112s, but fancy qualities of New Zealand make 114s. Finest grade is also firm at last week's figures. There is more difficulty than ever in obtaining a really sweet butter to retail at a shilling, consequently New Zealand "milled" butter is in demand at 94s to 100s. The shipments from New Zealand are falling off, the last three vessels carrying 34,000, 30,000, and 24,000.

The Danes have decided to leave their Official Quotation unchanged, although the demand is good, but recent advances have induced caution. Whenever high prices prevail like those at present, buyers follow the hand to mouth policy by purchasing only enough for their pressing necessities. The absolutely short total supply, however, and the difficulty of increasing it, make it look as if high prices must continue through March. The stocks in cold stores are rapidly depleting, and the imports are over 250 tons a week less than last year. Cheese.—There is little change to report in the cheese market, but certain indications point to an advance shortly. Stocks are much lower than last year and arrivals are also deficient. Canadian, choicest, 51s to 52s; finest, 48s to 50s. Corresponding week, 1901, choicest fetched 53s to 54s and finest 51s to 52s.

—Albany, N.Y., advices state that Senator Davis of the Senate Committee on Canals, reported favorably to the Senate the canal bill proposing an appropriation of \$31,000,000 for the improvement and enlargement of the Erie canal and the improvement of the Champlain canal.

Butterworth & Dickinson,

TELEGRAPHIC
ADDRESS :

"Globe Burnley,"

Globe and Saunder Bank Iron Works,
Burnley, England.

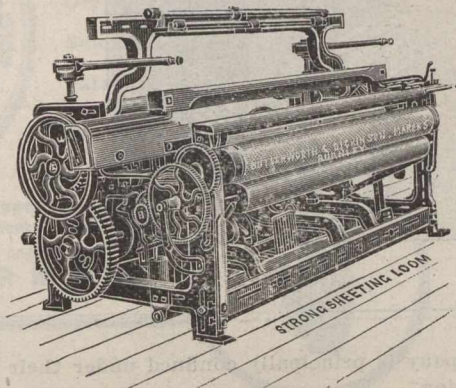
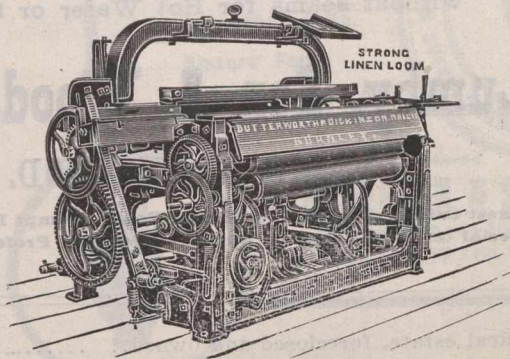
A. I. and

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Codes.

Makers of all kinds of

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



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

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

WIRELESS TELEGRAPHY.

Those who will continue to live well into the present century will have all the fun. A New York letter states that E. Ducretet, the French electrical engineer, has made the following statement at Paris concerning the system of wireless telephony which he has invented: "The Academy of Science, to which my invention of telephoning without wires has been submitted, acknowledges its value. The transmitter and receiver are much like those in daily use for the ordinary telephone. There is the difference that a small coil is introduced and the electrical intensity is slightly increased. When the instruments are put down deep in the earth messages can be transmitted over enormous distances. Forests, rivers and mountains may separate armies, yet they can communicate with each other through the earth by wireless telephony. Wireless telephone messages can be transmitted through sea from shore to shore, or between ships. The voices are transmitted without the least difficulty and the most delicate articulations reach the ear."

MOTOR SLEIGHS.

The wonder regarding motor sleighs is that they have not followed sooner the path laid out for them by the self-propelling waggon. A Berlin correspondent writes: There have been heavy falls of snow in Prussia this winter, and sleighing has been very popular. The latest novelty is the automobile sleigh, which is similar in construction to the motor cars in use for passenger transport, save that the wheels have been done away with and the vehicle placed on runners, while the motor is connected with what looks like the paddle-wheel of a steamboat in miniature. The wheel, which is constructed entirely of steel, catches in the frozen snow, and so drives the sleigh forward. These motor sledges travel at twice the speed of a sledge drawn by horses, and so a new and exciting pastime is provided.

MR. JAMES A. CANTLIE.

Messrs. Apperly, Curtis & Co., Limited, of Stroud, Gloucestershire, one of the largest and best woollen manufacturing firms in the West of England, have appointed Mr.

James A. Cantlie, of this city, their representative for Canada, as may be seen by the announcement elsewhere. Messrs. Apperly, Curtis & Co. and Mr. Cantlie are both to be congratulated on the appointment. On his own account—to say nothing of his being brother-in-law of one of Canada's most successful sons—Lord Mountstephen—Mr. Cantlie needs no introduction to the trade.

ANSWERS TO CORRESPONDENTS.

D.C., Quebec.—As you say, the case is unparalleled in the history of our Exchange. It shows what extraordinary ability may accomplish—especially if imported.

E.D., Secretary, Manchester, Eng.—No; much confusion has arisen owing to similarity in more than one respect. The "Johns" in the great family of Smith have our sympathy.

Meetings, Reports, &c.

ONTARIO LOAN AND DEBENTURE COMPANY.

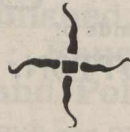
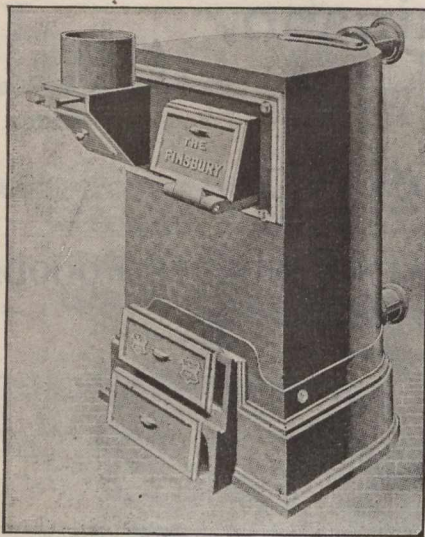
The thirty-first annual meeting of the shareholders of this company was held at their offices, in London, Ont., Wednesday, the 12th inst., when the affairs of the company were shown to be in a satisfactory state; two half-yearly dividends at the rate of 6 per cent. per annum having been paid to the shareholders, \$25,000 added to the reserve fund, which now amounts to \$560,000 and \$15,121.67 carried forward.

The 31st annual report, as follows, was adopted by the meeting.

REPORT.

The directors have pleasure in laying before the shareholders their 31st annual report, for the year ending 31st December last.

Rates of interest have ruled lower than the previous year on good real estate mortgages, to which the business of



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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 company is principally confined under their act of incorporation.

The sum of \$640,038 has been loaned, and \$761,023 of principal and interest has been repaid during the year.

After deducting interest on debentures and deposits, cost of management and all other charges, there remains a net profit for the year of \$100,512.12. This, with \$6,609.55 brought forward, and \$5,000 previously written off, but found not to be required, together amounts to \$112,121.67, out of which two half yearly dividends at the rate of 6 per cent. per annum (\$72,000) have been paid to the shareholders and \$25,000 has been added to the reserve fund, making it \$560,000, leaving \$15,121.67 to be carried forward.

Properties brought to sale and unsold at the end of the year amount to \$25,243, and have been taken into account at a low valuation.

Messrs. Mylne & Cook, C.A.A, the financial agents of the company for Scotland for many years past, having dissolved their partnership, Mr. Wm. Home Cook now remains as sole agent for the company in Edinburgh.

All of which is respectfully submitted,

JOHN McCLARY,
President.

London, Ontario, January 20th, 1902.

Revenue Account.

Dr.

Interest on sterling debentures	\$35,509.03
“ currency “	9,843.54
“ deposits	16,918.53
Expenses connected with sterling debentures ..	2,385.62
Commissions and expenses in connection with loans	6,277.50
Provincial taxes	\$1,080.00
City of London taxes	2,083.72
	<hr/>
	3,163.72
Expenses of management.	14,720.80
Dividend No. 75, paid 2nd July, 1901.	36,000.00
“ No. 76, due 2nd Jan., 1902.	36,000.00
Carried to reserve fund	25,000.00
Balance carried forward	15,121.67
	<hr/>
	\$200,940.41

Cr.

Balance from last year	\$6,609.55
Amount previously written off interest earnings, but found unnecessary	5,000.00
Interest earned on mortgages, rents, etc	189,330.86
	<hr/>
	\$200,940.41

FINANCIAL STATEMENT.

Assets.

Mortgages, &c., on real estate	\$3,315,968.72
Loans on debentures	142,616.88
Loans on this company's stock	26,260.20

Real estate, foreclosed and owned. . . . .	.....
“ brought to sale and unsold	25,243.20	
Office premises (Freehold)	40,000.00	
Cash with banks in Canada	84,081.74	
	<hr/>	\$3,634,170.74

Liabilities.

Liabilities to the public—		
Sterling debentures.	965,888.02	
Accrued interest	8,674.00	
	<hr/>	\$974,562.02
Currency debentures	283,663.00	
Accrued interest	3,944.43	
	<hr/>	287,607.43
Deposits	560,743.62	
Bank of Scotland	136.00	
	<hr/>	\$1,823,049.07
Surplus		
		\$1,811,121.67
Liabilities to the shareholders—		
Capital stock paid-up	\$1,200,000.00	
Dividend No. 76 (since paid)	36,000.00	
Reserve fund	\$535,000.00	
Carried to do	25,000.00	
	<hr/>	560,000.00
Balance at credit of revenue account	5,121.67	
	<hr/>	\$1,811,121.67

To the shareholders of the Ontario Loan and Debenture Co.

We hereby certify that we have audited the books and accounts of the Ontario Loan and Debenture Company for the year 1901, comprising a monthly cash audit and the verification of the postings and balances in all the company's books, and we find the whole correct and in accordance with the above statements. We have also examined the securities and find them in order.

GEO. F. JEWELL, F.C.A.,
A. M. SMART,

Auditors.

London, Ontario, January 20th, 1902.

The retiring directors, Messrs. John McClary, A. S. Emery, William Bowman, William McDonough, and Lieut-Col. Wm. M. Gartshore, were re-elected, as well as the auditors, Messrs. George F. Jewell, F.C.A., and A. M. Smart. At a subsequent meeting of the directors, Mr. John McClary was re-elected president, and Mr. A. S. Emery, vice-president.

WILLIAM F. BULLEN, Manager.

BRITISH AMERICA ASSURANCE CO.

The Sixty-eighth Annual Meeting of the shareholders of the British America Assurance Company was held at its offices, Toronto, on Thursday, the 27th ult. The President, Hon. Geo. A. Cox, occupied the chair, and Mr. P. H.

"RED HAND"

ROOFING

Foundation Felts.
Inodorous Felts.
Slaters' Felts.

ARE UNEQUALLED

FELTS,

Dry Hair Felts.
Silicate Cotton
Patent Hair Fabric.

THE WORLD OVER

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

Sims, who was appointed to act as Secretary, read the following:

ANNUAL REPORT.

Your Directors have pleasure in presenting the Sixty-eighth Annual Report and Financial Statements, duly vouched for by the Auditors of the Company.

There has been a moderate increase in the Premium Income in all branches, the Canadian Fire Business, particularly, showing a considerable increase over that of any previous year, this being mainly due to the advanced rates which have been obtained.

The balance of Revenue Account, \$99,590.00, has been applied as follows: \$65,000.00 for two half-yearly dividends, the first at the rate of Seven Per Cent. and the second at the rate of Six Per Cent. per annum, \$4,045.26 written off office furniture and securities, and the balance, \$30,544.74, added to the Reserve Fund, which now stands at \$612,001.96.

Although considerable progress has been made during the year in the direction of advancing rates throughout Canada and the United States the results of the business, owing to the increase in fire losses, have not proved satisfactory to companies generally, and measures are now being taken for further advances which should bring about a material improvement in the condition of the fire insurance business on this continent.

GEO. A. COX,
President.

SUMMARY OF FINANCIAL STATEMENT.

Total cash income	\$2,040,197.10
Total expenditure, including appropriation for losses under adjustment..	1,940,607.10
	\$99,590.00
Dividends declared	65,000.00
Total assets	\$1,755,849.21
Cash capital.. . . .	\$1,000,000.00
Reserve fund.. . . .	612,001.96
Security to policyholders	\$1,612,001.96

The report, on motion of the President, seconded by the Vice-President, was carried unanimously. In moving the adoption of the report the President said:

The Revenue Account shows that, after deducting losses and expenses from the premiums for the year, there is a

balance, or underwriting profit, of \$58,795. This, with the earnings from interest and rents, \$40,795, makes the total balance at the credit of Revenue Account \$99,590. Compared with the preceding year the figures before you show a gain in premiums (after deducting re-insurances) of \$127,159, and a reduction in losses of \$16,124.

This increased income is derived mainly from the fire business and, as stated in the report, is chiefly due to the better rates that have prevailed. In the Marine Branch there has been little change in the volume of business we have done, but while the income from this source represents less than one-fourth of the total premiums received, we are indebted to this Branch for nearly one-half the year's profits.

Taking into consideration the large amount of fire business transacted, the results of the year—although they show a marked improvement on those of the year 1900—cannot be regarded as affording an adequate margin of profit, but those of you who have noted the records from month to month of the serious fires in Canada and the United States, beginning with the conflagration in the business centre of Montreal in January last, must, I think, regard the accounts presented as more favorable than might have been anticipated. We can at least claim that they will bear comparison in their general results with those shown by other Companies operating in the same fields as ourselves, and this is perhaps the best test of the judgment exercised by the officers and agents of the Company in the prosecution of its business. The problem as to what rates will be adequate to meet the losses of any one year is a difficult—I might say an impossible—one for the most experienced underwriters to solve. They can only meet the changed conditions that confront them from time to time by readjusting their rates in accordance with the loss records which these changing conditions produce. The adverse experience of companies engaged in the fire business on this continent for the past two years has shown the necessity of increases on many classes of risks, and we have benefited to a considerable extent from the advanced rates which prevailed during the year 1901, and in view of the action taken during the past ten days by all the leading companies doing business in the United States to bring about a more radical advance than has hitherto been attempted I feel that we may safely anticipate that these improved conditions will have even a more marked effect upon the business of the present year.

In reviewing the business of the past year, as well as of the preceding eight years during which I have had the honor of occupying this chair, it is very gratifying to observe the progress which the Company has made in its fire business in Canada, as well as the profits which have accrued upon this notwithstanding the losses by the conflagration.

ESTABLISHED 1848.

M. WOODWARD & SONS, Ltd.,

WHOLESALE & EXPORT

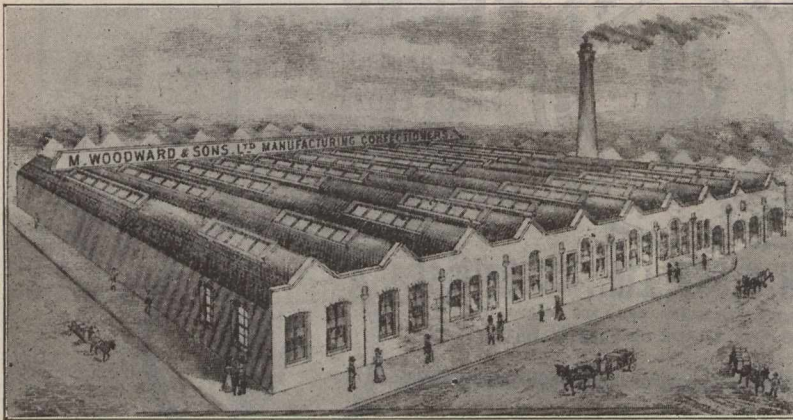
Manufacturing Confectioners,

Manufactory and Office :

Wavertree, - Liverpool, Eng

Telegraphic Address: "TOXTETH, Liverpool."

Telephone 44, Wavertree.



grations of the past two years. A Company which has been doing business—as the British America has—for upwards of two-thirds of a century should, we have felt, occupy a prominent position in connection with the business of its home field, and while an income equal to that of some leading British offices, which carry much larger amounts on individual risks, might not be looked for, it should command a liberal share of the business, and be able to show results equal to, if not better than, the average results of its competitors. The progress which the British America has made in this direction under its present management, is indicated by the following figures: In 1892 the total fire premiums of the Company in Canada were \$173,951 in 1901 they amounted to \$351,505. These figures represent the net premiums (after deducting reinsurances), so that during these nine years the income of the Company in this branch has increased upwards of 100 per cent, while the total increase of all companies reporting to the department is about 40 per cent. It is still more gratifying to find from the annual returns of companies doing business in Canada, published by the Dominion Government, that while for this same period the average loss ratio of all companies reporting to the Canadian Insurance Department is 70.3 per cent., our losses have been but 59 per cent. of the premiums received.

While this has been our experience at home, the progress we have made in other fields in the way of securing advantageous connections had been such as to warrant our looking for equally favorable results from our agencies outside the Dominion, particularly when we bear in mind the improved outlook to which I have referred in the United States, from which territory a large proportion of our income is derived.

In conclusion, I desire to avail myself of this opportunity of expressing our appreciation of the work of the officers of the Company, both at its Head Office and at its Branch Offices, and our obligations to our General and Local Agents for their services in the Company's behalf during the past year.

The following gentlemen were re-elected to serve as Directors during the ensuing year: Hon. Geo. A. Cox, J. J. Kenny, Augustus Myers, Thomas Long, John Hoskin, K.C., LL.D., Hon. S. C. Wood, Robert Jaffray, Lieut.-Col. H. M. Pellatt and E. W. Cox.

At a meeting of the board, held subsequently, the Hon. Geo. A. Cox was re-elected President, and Mr. J. J. Kenny Vice-President.

THE HAMILTON PROVIDENT AND LOAN SOCIETY.

The thirtieth annual meeting of the Shareholders of the Society was held at the Society's Head Office at 11 o'clock,

on Monday, 3rd March. Among those present were the following: H. W. Clarkson, James W. Simpson, H. H. Miller (Hanover), John H. Coon, H. H. Anderson, Seneca Jones, W. F. Findlay, Maitland Young, E. G. Payne, J. T. Glasco, Hon. A. T. Wood, T. H. Macpherson, W. J. Reid, John Crerar, Judge Snider, Alex. Turner, R. R. Ferrie, Geo. Rutherford, James Wilson, David Kidd, P. D. Crerar, Chas. Judd, John R. Stone, John McCoy, William Dixon, C. Ferrie, James Dixon, D. M. Cameron, Mr. Fisher (Winnipeg).

The President, Hon. A. T. Wood, was in the chair, and C. Ferrie, Treasurer, acted as escretary.

The Secretary read the report and annual statements as follows:

THIRTIETH ANNUAL REPORT.

The Directors have much pleasure in submitting their report of the Society's business for the year ending 31st December, 1901, with the usual financial statements, duly audited.

The net profits of the year, after paying and providing for all due and accrued interest on borrowed capital, paying cost of management and other charges, amount to \$87,997.21, out of which two half-yearly dividends at the rate of 6 per cent. per annum were paid, together with taxes on capital and income, and the balance, \$20,848.21, has been applied as follows:

Added to Reserve Fund	\$20,000.00
Credited to Contingent Fund	848.21
	\$20,848.21

After writing off all losses, providing for possible shrinkage in value of securities, also writing \$3,000 off the Society's building, there remains at the credit of the Contingent Fund, \$25,771.28.

The Reserve Fund now amounts to \$340,000.

Repayment by borrowers have been very satisfactory.

Extensive alterations and improvements were made to the Head Office building during the year, adding much to the comfort of the tenants and giving us two additional offices for rental, which are now occupied.

In the month of August last one of the Directors, accompanied by the Treasurer and our General Agent for Manitoba, made a tour of inspection of part of the farm lands of the Northwest Territories lying between the Manitoba boundary and west as far as Regina. After careful consideration of their report, and upon their recommendation, your Directors decided to extend the Society's field for loaning to that part of the Territories mentioned, which is within a reasonable distance from our Brandon offices—the business to be under the personal supervision of Mr. Harcourt, our General Agent in Manitoba. The necessary

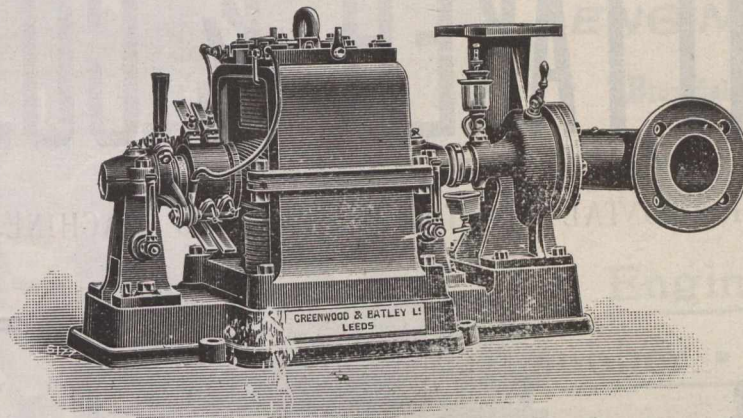
Machines in use, 2402

HP. 71,786.

Made from 1½ to 300 HP.

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

Agents for Australasia:
JAMES BARTRAM & SON, Melbourne.



No. 6771. ELECTRIC MOTORPUMP. TYPE A. M. P. 2.

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

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

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

SOLE SELLING AGENTS:

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

To whom all Communications should be Addressed.

license has been secured, and a by-law authorizing the society to extend its business to the Territories has been passed by the Directors, and will be submitted to the meeting for approval by the shareholders.

All of which is respectfully submitted.

A. T. WOOD,
President.

Hamilton, Canada, 3rd Feb., 1902.

FINANCIAL STATEMENT FOR THE YEAR ENDING

December 31st, 1901.

Assets and Liabilities.

Liabilities to Stockholders:	
Share Capital paid up	\$1,100,000.00
Contingent Fund	25,771.28
Reserve Fund	340,000.00
Dividend No. 61 (payable 2nd January, 1902) ..	33,000.00
	\$1,498,771.28
Liabilities to the Public:	
Saving Bank Deposits	\$724,917.79
Sterling Debentures	495,767.12
Currency Debentures	419,731.10
Debenture Stock	423,400.00
Interest on Debentures	13,081.68
Sundry Accounts..	39,065.99
	2,115,963.68
	\$3,614,734.96
Assets.	
Net Value of Investments	\$3,338,313.18
Premises in Hamilton and Brandon	91,000.00
Cash on hand and in banks	185,421.78
	\$3,614,734.96

Profit and Loss.

To Dividends Nos. 60 and and 61	\$66,000.00
" Taxes on Capital and Income.....	1,149.00
	\$67,149.00
" Interest on Deposits, Debentures, Debenture Stock and Expenses..	70,442.99
" Expenses, including cost of Manage- ment, Fuel, Taxes and Attend- ance for Building, Auditors' and Officers' Salaries at Head Office and Brandon Branch..	\$18,482.84
" Directors' Compensation..	3,500.00
" Commission, Valuators' and Solici- tors' Fees at Head Office and Brandon Branch	3,881.39
" Inspection of Land	3,744.23
	29,608.46
" Contingent Fund	\$848.21
" Reserve Fund	20,000.00
	20,848.21
	\$188,048.66
By Interest Earned, Rents, etc.	\$188,048.66
	\$188,048.66

C. FERRIE, Treasurer.

3rd, February, 1902.

We hereby certify that we have examined the Books, Accounts and Vouchers of the Hamilton Provident and Loan Society, and have found the same correct. We have also examined the securities (excepting those relating to Manitoba loans), and find them in perfect order, and cor-

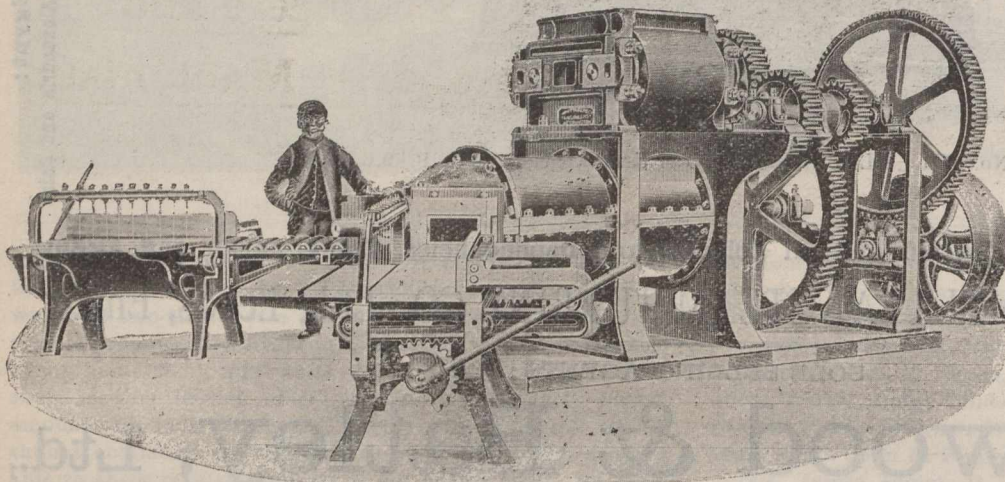
..Clay-working Machinery..

Manufactured by

C. WHITTAKER & CO., LTD.

HORIZONTAL PLASTIC BRICKMAKING MACHINE.

Double Delivery Machine.



Main Points :

Strength.

Durability.

Economy of Power.

Efficiency.

*Special Terms to
Canadians Under
the New Tariff*

Dowry Street
Iron Works,

ACCRINGTON Lancashire, England.

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

rect as set forth in the above statement.

W. F. FINDLAY, F.C.A.,

MAITLAND YOUNG,

Auditors.

Hamilton, 4th February, 1902.

I hereby certify that I have examined the Securities and Vouchers and audited the books of the Hamilton Provident and Loan Society for the year ending the 31st Dec., 1901, as kept in their Brandon Office, and have found them correct.

H. L. ADOLPH,

Auditor.

Brandon, Man., 29th January, 1902.

On motion of the President, seconded by the Vice-President, the report was adopted.

The following gentlemen were re-elected Directors: Hon. A. T. Wood, Alex. Turner, Hon. Wm. Gibson, T. H. Macpherson, Geo. Rutherford, John T. Glassco, Judge Snider.

At a meeting of the Directors held after the annual meeting Hon A. T. Wood was re-elected President, and Alex. Turner, Vice-President.

LEGAL RECORD.

The following is a record of transactions and cases in our Canadian courts of law, comprising Writs Issued and Judgments Rendered for sums of \$300 and upwards (Montreal, from \$175 and upwards), and Chattel Mortgage and Bills of Sale (for sums of \$550 and upwards), as taken from the

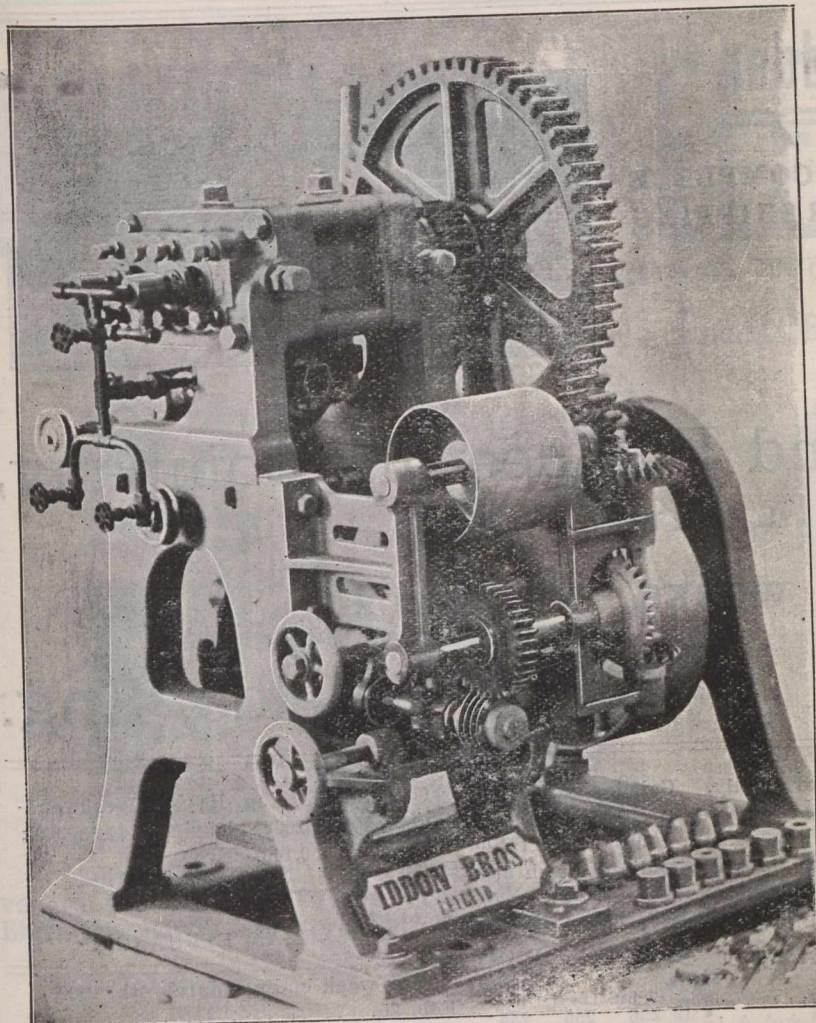
public records. It will be understood that the actions or items do not necessarily affect the credit and soundness of the persons or concerns named, as they may have been paid or otherwise settled, and that good defence may exist in case of writs, etc.

WRITS ISSUED—ONTARIO.

Montreal—G. H. Weatherhead vs Cath. L. Steben, \$1,465; Ottawa—Bank of Commerce vs T. Dunderdale et al \$866; Bank of Commerce vs C. A. Olmstead et al, \$458; R. I. Devlin vs C. E. Turner, \$311; Sault Ste. Marie—A. Bradshaw & Son vs H. A. Madden, \$414; Thurlow Tp.—Annie Cartwright vs J. S. McGurn, \$5,000; Toronto—Toronto—General Trusts vs P. S., A. G., and D. R. Furness, \$1,091; Niagara Bank of Buffalo vs C. A. Johnson, \$3,102; J. Menzie vs Trusts Corp'n. admr., \$747; Cleveland, Ohio—Attorney-General vs C. W. Bingham admr., \$199,362; Aurora—T. J. McMurtry vs G. S. Baldwin, \$755; Clifford J. Twichell vs J. and Margt. McMurray, \$500; Galt—R. C. Struthers & Co. vs R. W. Mutchmore, \$2,479; Gananoque—Palm, Fecteller & Co. vs Gananoque Souvenir Works, \$482; Hamilton—Toronto, Hamilton & Buffalo Ry. Co. vs Nickel Copper Co., Ltd., and Hoepfner Refining Co., Ltd., \$1,944; Hagarsville—A. B. Greer, as assignee, vs J. H. Salter, \$1,792; Lucan—Lily F. Taylor vs S. A. Doupe, \$3,000 damages; St. Catharines—Almeda Spooner vs J. C. and N. M. Rykert, \$600; Sault Ste. Marie—Dominion Radiator Co. vs S. H. Squire et al, \$544; Thurlow—J. W. Butterfield vs Harford Ashley, \$1,250; Toronto—E. H. Gwynee vs Wm. Blackley and Dougald McCall, \$1,229; E. Armstrong vs J. F. McCrae, \$4,089; E. A. Eastman vs Boyd McGee, \$3,198.

WRITS ISSUED—BRITISH COLUMBIA

Sandon—Folliott & McMillan, \$393.



Lidon Brothers,

**INDIA RUBBER
ENGINEERS.**

Brockfield Iron Works,

LEYLAND, ^{Near} PRESTON, England.

**Engineers and
Rubber • Machinists,**

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

Specialities : All kinds of Rubber Machinery.

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

FINANCIAL REVIEW.

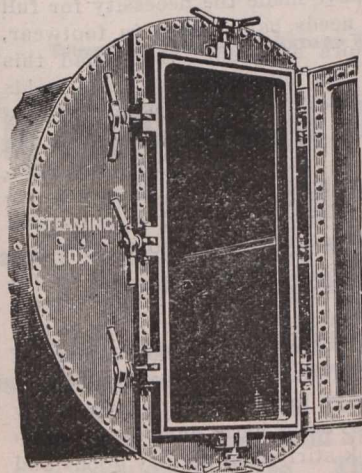
Montreal, Thursday Ev'g.,
March 6th, 1902.

Considerable interest is excited over the heavy shipments of gold about being made from New York to Paris. The amounts arranged for amount to from \$4,000,000 to \$5,000,000. The supply of gold is so large on this side as to render such an efflux rather desirable than otherwise. After all is said, gold is a marketable commodity as well as pork and wheat, so that, when

all that is necessary for reserves has been laid aside, the balance is in the market for sale. The movement of gold to Paris is the more remarkable as the Bank of France by latest return had \$22,500,000 more gold on hand than a year ago, and \$1,500,000 more silver, while its discounts and advances were \$38,500,000 less than at end of February, 1900. The gold is to be shipped to meet European engagements made some time ago for which not sufficient exchange is available, and to provide funds for the pur-

chase of British securities which will rise when peace is declared. Consols have been a little unsteady but showing a significant readiness to advance on the slightest pretext. The latest quotation is 94 1-16. French money is being put into these securities for a speculation. It is stated that 150 millions of dollars of French capital is utilized on the London market. The Quebec Legislature seems to regard Montreal as its private milch cow, which it can milk at its pleasure and distribute the lacteal fluid to its

**STEAMING BOXES. LOGWOOD STILLS.
BLEACHING KIERS. STEAM CASED PANS.**



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F. S. Cooper,

Dolphin Foundry,

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

Manchester, Eng.

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Tanks made suitable for shipment and riveting up abroad.

Telegraphic Address : "SEAKING," A.B.C. Code.

Rigby, Wainwright & Co.,
**Manufacturers, Railway
....And Government Contractors**

Engine Waste, Sponge Cloths,
Lamp Wicks, Twines, Ball Cottons,
Engine Packing, Box Cords, Roping
and Seaming Twines, Mops, Dusters,
House Flannel, Neptune Scourer,
Buntings, &c.



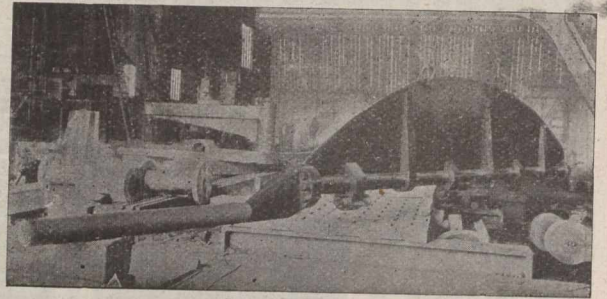
NEPTUNE WORKS.

Union Street, Fairfield St., - MANCHESTER, Eng.

Single Plated Built Rudder

**FINISHED COMPLETE
READY FOR SHIPPING**

Manufactured in 6 Days
...By...



THE

Fownes Forge and Engineering Company, LIMITED.

ST. BEDE WORKS, TYNE DOCK,

South Shields, Eng.

REPAIRS A SPECIALITY.

friends. The Notre Dame street proprietors got paid handsomely for the property taken from them when expropriated, and now they wish to repudiate the costs of improving their properties which they formally and legally agreed to defray. If our legislators interfere to relieve private persons from their engagements they will make a very dangerous precedent, and in this case, they will commit a gross outrage on this city. If the improvements affected have not raised East End properties in value as it was thought they would, that is the look out of the property owners who were so desirous of having such improvements made. They must not be allowed to punish other citizens because they made a mistake. Some, however, say that there was no mistake at all, but it will be a grave one to legislate men free of their lawful debts. The sensation of the week on 'Change has been the rise of Dominion Coal which to-day sells at 103 against 85¼ a week ago. It is said to have prospects that have made it a favourite of investors who can hold it for future developments. The company is spoken of as likely to fall into the hands of the Dominion Iron and Steel Co. Something is going on which booms this stock, that has yet to be made public. The authorization by the Nova Scotia Legislature to the Dominion Iron and Steel Co., to pay dividends out of capital is a very queer business. Provincial legislatures seem to imagine they can set all legal and business principles at defiance. Pacific has been neglected of late, it has sold at 110½; Heat & Power, 96; Dominion I. & S., common, 35¼; Dominion Coal, 103; preferred, 116½; Twin City, 113; Cable, 154½; Montreal St., 266¾. Banks, Commerce, 153; Montreal, 255; Imperial, 232; Toronto, 231¼; Hamilton, 227½; Ottawa, 210½; Molsons, 210; Hochelaga, 137. Berlin, exchange on London, 20 m. 48½pf.; Paris, 25f. 15c. Sterling exchange, 60's, 9½; demand, 10½. Money is easier in London; New

York, and locally. Call loans, 4½ per cent.

The following is a comparative table of stocks for week ending March 6th, supplied by Chas. Meredith & Co., Stock Brokers, Montreal:

	Shares.	Highst.	Lowst.	Average same date 1901
Banks.				
Montreal	12 256	255	255	
Molsons	41 210	208	195	
Toronto	91 231½	231½	236	
Merchants	61 150	149¼	157	
Hochelaga	135 143	137	130	
Hochelaga x n s	17 135	135	.....
Miscellaneous				
Can. Pac. xd xr.	2360 115½	110	91½	
Can. Pac. cash	122 116	115½	.....
Duluth S.S. com 50 14 14 5				
Montreal St.	4455 268½	265½	266	
Mont. Power	437 97	94½	.....
Toronto St.	335 116¾	116	109½	
Halifax St.	175 114	113⅞	91	
St. John St.	10 113	113	112	
Twin City	2775 113¾	112¾	72½	
Do. pref.	22 157¼	157¼	.....
Rich. & Ont. xr	204 113	109	112¾	
Com. Cable	1144 155½	148	167	
Montreal Tel.	92 170	170	170	
Bell Tel.	30 167	167	170	
Mont. Cotton xd 155 130 126 140				
Dom. Cotton	710 57	53	89¾	
Can. Col. Cotton 50 60 60 77				
Merchts. Cottn. 50 80 80 121				
War Eagle	4500 10½	10	39	
North Star	2000 23	23	80	
Dom. Coal, com 13657 105 86¼ 38¾				
Do. pref.	99 117	116	110	
Intercol. Coal,	118 50	50	40	
Dom. I. & S. com 18503 36 30				
Do. pref.	2236 88½	85	.....
N. S. Steel com. 450 70 69¾				
Bonds.				
Dom. I. & S.	94000 83½	82	.....

MONTREAL CLEARING HOUSE.

	Clearings.	Balances.
For week ending		
March 6, 1902	\$21,344,452	\$2,723,164
Corresponding		
week, 1901	16,163,291	2,441,781
" 1900	13,140,371	1,905,005
" 1899	17,378,511	2,708,415

Ottawa Clearing House—Week ending 27 Feb., 1902, clearings, \$1,539,332; balances, \$450,145.

BRAZILIAN EXCHANGE.

For week ending March 4th, 1902.

Feb. 26..	11 31-232d
27	12 1-32d
28	12 1-32d
March 1 . . . . .	.....
3 . . . . .	.....
4	12¼d

—The Bank of Hamilton has secured premises, and will open a branch at Brantford, Ont.

MONTREAL WHOLESALE MARKETS.

Thursday, March 6, 1902.

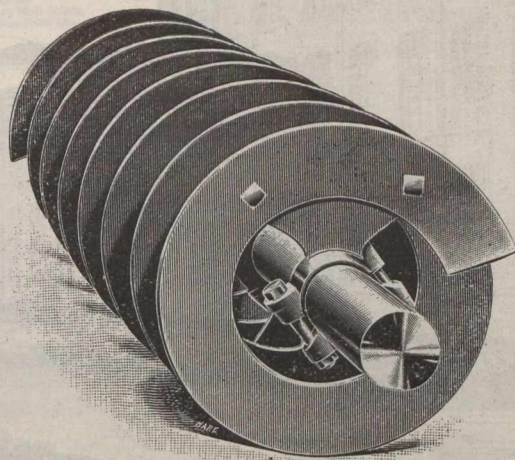
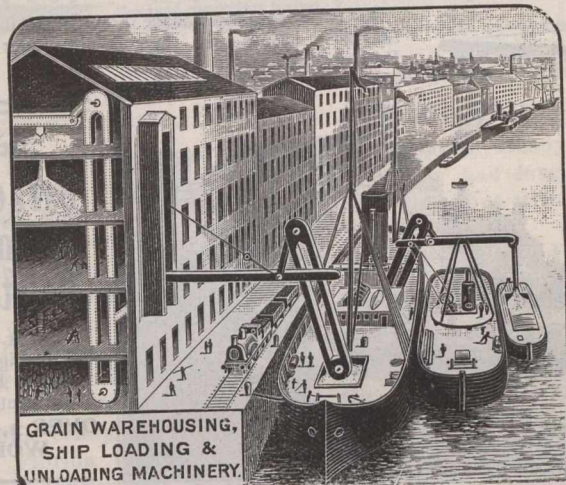
The change to soft weather and slushy streets which ushered in the present week was not of sufficient duration to proclaim that spring was at hand, for subsequent frosts and cold winds have made the necessity for full winter needs, particularly in footwear, even more apparent than had this change not intervened. Trade holds fairly good. In dairy products cheese is wanted for export at full prices, the Liverpool cable showing advances. Choicest butter is also in good request. Eggs are declining as natural with the advancing season. In groceries sugars have made a new record mark which must surely cause increased movement. Leather is in better demand. The wool market is bare of fine stock except a little B.A. wool, which is 4c lb. dearer. The millinery openings both here and at Toronto this week stirred up the dry goods and kindred lines, in all of which a full share of the expected extra demand was shown. Payments are being made with fair satisfaction, and but few failures of importance are announced.

Telegrams : "CONVEYOR, ACCRINGTON."

Contractors to H. M. GOVERNMENT.

CONVEYOR and ELEVATOR CO.

LOWER BRIDGE WORKS,
ACCRINGTON, Lancashire, Eng.



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

BUTTER.

The market opened somewhat quieter this week and trade up to the present is reported light. Choice qualities of creamery have been called for and met with good sale at 21½c to 22½c as per size of lot. With under grades, however, there is no business actually passing and the market has kept very dull. There is also considerably less doing in dairy it being difficult to push sales at last week's prices. Some reported the market about 2c lower. In fresh rolls there has been an active business passing, and receipts, though liberal, have met with ready sale at from 17c to 18c. Dairy packed in tubs and boxes is quoted at from 12c to 17c, as to quality.

CHEESE.

There appears to be a much larger business passing, the market being decidedly firmer with sales of finest at 10½c. Eastern is quoted at 10c to 10¼. A Liverpool cable of the 5th reported cheese firm and 6d higher. Finest white, 51s; do. white, 51s 6d. Shipments of cheese and butter from Portland, and St. John, N.B., for the week ending March 1, were:

	Cheese.	Butter.
Liverpool	4,075	1,097
Glasgow	644	.....
Manchester	223	1,146
Hamburg	63	.....
Total	5,005	2,243
Same week last year. .	19,494	135

From close of navigation

1901-02	373,529	35,311
Same period in 1900-01.	235,674	7,633

DRESSED POULTRY.

All kinds are still in light supply and meet with ready sale. Prices have advanced to a figure at which there is certainly good profit for somebody. It will doubtless urge farmers to give more attention to poultry during the coming season. Turkeys sell readily at 13½c to 14c lb.; chickens, 11c to 12c lb.; fowls, 9c to 11c lb.; ducks, 11c to 12c lb.; geese, 8c to 10c lb.

EGGS.

Receipts early in the week were unusually light, the market ruling firm and higher. Prices advanced on Tuesday to 27c and 28c. Subsequently the arrivals became much larger and

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.

R. WHITE & SONS

WIDNES LANCASHIRE.



RAILWAY PERMANENT WAY

AERIAL WIRE ROPEWAY.

steel Rails of all sections. Steel Sleepers Switches and Crossings. Turn-tables. Fish Plates, Bolts and Spikes. Wagons for all purposes. Locomotives. Cranes. Steel Wire Rope. Aerial Wire Rope-ways for up to 2-ton loads, and 250 tons per hour.

WIDNES, Lancashire, England.

Cable Address:—"RAILS," Widnes, England.

Special prices to Canadians under the New Tariff.

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

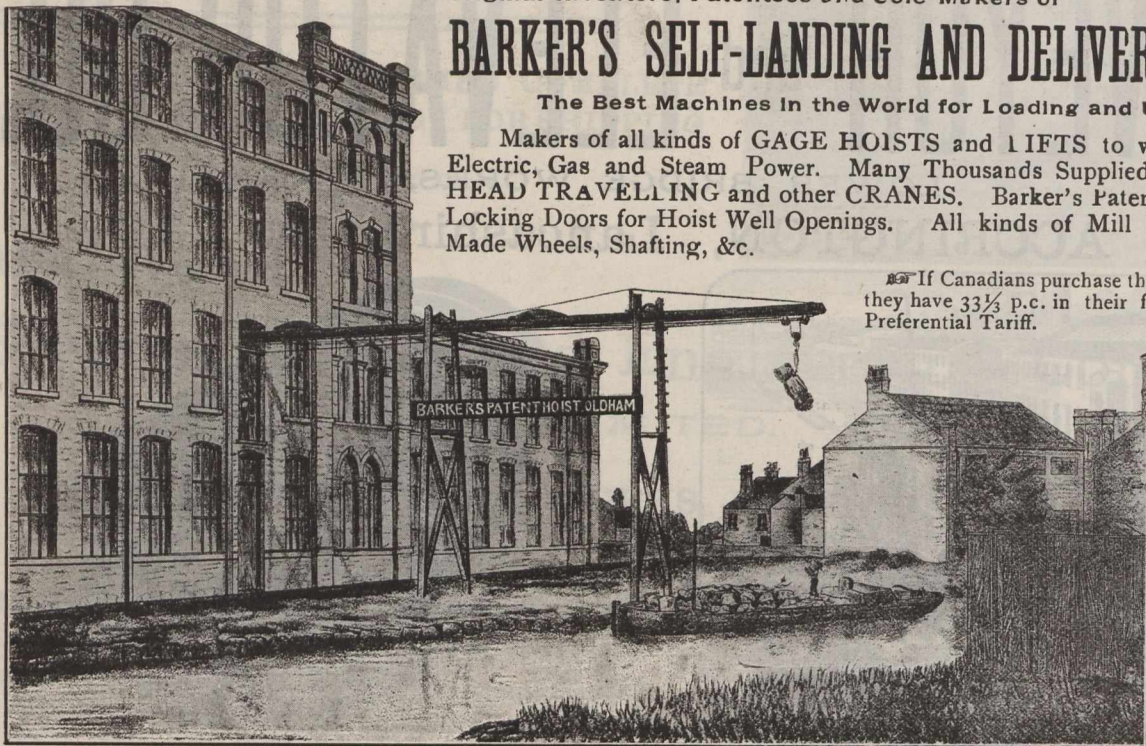
Original Inventors, Patentees and Sole Makers of

BARKER'S SELF-LANDING AND DELIVERING HOISTS

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

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

If Canadians purchase these Cranes in England, they have 33 1/3 p.c. in their favour under the new Preferential Tariff.



Barker's Patent Hoist.

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

OVER 2,000 AT WORK.

to-day prices slumped 3c to 4c dozen. Sales are being made at 22c to 23c. Lower values are looked for, and toward the close of the week a 20c basis will likely be reached. There are exclusive, private (if not dated at least up-to-date) dispensers of absolutely fresh eggs in Montreal, who, when they get their limited heads together, look with disdain on the quotations of "fresh" and "new laid" eggs, as given in the press. These dealers inhabit a higher financial sphere and while they limit their prices to 50c a dozen, they not unusually reach the higher mark of 70c. Vacillating between these notches they appear to encounter no difficulty in disposing of their entire supply each day it reaches the earth, for prices could not be sustained were this transient guest of commerce to rest undisturbed for the length of time its purchaser takes for sleep. We have been asked repeatedly to quote these eggs during their transitory visible existence, but the figures, while doubtless doing no more than justice to this select quality, would make the freshest eggs shipped here seem as though they rather belonged to a prehistoric age.

FISH.

A fair trade is doing in all lines with quotations unchanged. Bulk oysters are very scarce owing to the storms on the fishing coasts, which have been severe. Quotations are: Fresh:—B. C. salmon, 9c to 10c lb.; Restigouche or

Gaspé salmon, frozen, 12c; haddock, 3 1/2c; pike, 4c to 5c; whitefish, 7c; dore or pickerel, 6c to 7c; halibut, 9c to 12c lb.; mackerel, 10c to 12c; smelts, 6c to 7c; frozen herring, large, \$1.75 a hundred fish; new tom cods, \$2 a barrel. Salt—B.C. salmon, No. 1 \$11.50 to \$12 per barrel; Labrador salmon, No. 1, \$14 per barrel; No. 2, \$11.50 to \$12; half barrels, \$6.50; Loch Fyne herrings, \$1.15 per keg; salt herrings, bbls., \$5.25 to \$5.50; do. half bbls., \$2.75; green cod, No. 1, \$7 to \$7.50; do. No. 2, \$5 to \$5.50; large, \$8.—Smoked herrings, 12c per box; finnan haddies, 6 1/2c to 7c lb.; St. John bloaters, \$1 to \$1.25 per box.—Prepared — Boneless cod, in bricks, 6 cents lb.; boneless fish, loose, in 25-lb. boxes, 4 1/2c; skinless or dressed cod, \$5 per case; dry cod, in cwts., \$4.75 to \$5 cwt. Oysters — Bulk, standards, \$1.50 a gallon, and selects, \$1.70.

FLOUR AND FEED.

The quieter tone observable throughout the last half of February is still apparent in both flour and feed, quite a contrast to the rushing orders of the season previous. Values have not been changed since our last week's quotations. A fair business is being done with millers quite prepared to fill orders promptly. Rolled oats is a trifle easier in price, with demand steady. The demand for baled hay has fallen off in the foreign markets, prices here are unchanged. We quote: No. 1, \$9.50 to \$10; No. 2, \$8.50 to \$9.25;

clover mixed, \$7.50 to \$8; and clover, \$7 to \$7.50 per ton, in car lots

GREEN FRUITS, ETC.

While the lack of variety still predominates where the fruit houses centre, the rosy tint of Southern strawberries this week plainly announced that spring, with its multitude of sweets and greens, was not far away. Valencia oranges are very firm. Lemons are steady under limited demand. At the auctions in New York this week offerings consisted of 28,781 bxs of lemons; 15 carloads of California oranges, 371 bxs of Sorrento oranges, 5132 cases of Valencia oranges, and 41 bxs of Jamaica grape fruit. In lemons a somewhat lower auction range was noted in Messinas, but Palermos showed little change from the previous sale. Advices from San Jose, Cal., say: The fruit growers are everywhere of the opinion that there will be one of the heaviest fruit crops in the valley ever known. Reports from Jamaica state that the supply of grape fruit is getting short, and it is intimated that future shipments will be rather light. The local quotations are: — Apples, brls., \$3.50 to \$6.00; Cal. navel oranges, \$3.50 to \$3.75; Jamaica oranges, \$4.75 brl.; do. in boxes, \$2.75; Florida oranges, \$3.50 per box; Messina Val. oranges, 420s, ordinary, \$3.75; do. do. 420s, Jumbo, \$4.75; Jamaica grape fruit, \$3.50 to \$6 box; lemons, 360s, \$2.50; do. 300s, \$2.50 to \$2.75; chests of lemons, \$5.50; ban-

INSURANCE, BANK and COMMERCIAL

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NEAT,
GOOD,
CHEAP.
IN
ZINC.

Fig. 8.—Section.
Acme Patent Concealed Ridge Ventilator Outlet.

Fig. 9.—As fixed. Side View.
25 YEARS' EXPERIENCE.
Tests and comparison invited.
Made to any design.

Many References etc.

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

Fig. 13.
ACME Door and Partition Louvre Ventilator

"Acme" Mechanical Ventilator. SPHERICAL VENTILATORS.

Fig. 25.
By Electricity, Water, Gas, Steam, Hand or Horse Power.
Wave Proof. Snow Proof. No Goods without the TRADE MARK AMXED.
Any Size or Pattern for Buildings, Drains, etc.

Fig. 24.
Venetian Dry Wall Inlets. Various Sizes from 1/8.

ACME VENTILATING & HEATING CO.,
LIVERPOOL, ENGLAND.

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

anas, eight-hands, \$1.00 to \$1.35; No. 1 do., \$1.75 to \$2.25; extras, \$2.50; new figs, mats, 3 1/2c per lb.; do. boxes, 8c to 12c per lb.; new dates, 4c per lb.; nuts, Pecans, extra large, 17c; sweet potatoes, brl., \$5 to \$5.50; small crates of Spanish onions, \$1.10; Cape Cod cranberries, \$7 to \$10; Malaga grapes, per keg, \$5.50 to \$7.00; pines, 15c to 25c each; extra pines, 45c do.; Cal. celery 7 to 12 doz. crate, \$4.50; Florida tomatoes, \$4.00 crate; Florida tangerines, \$3.50; California tangerines, \$3.00; California cauliflowers, \$23.50 to \$4.00; yellow do., \$3.25 per brl.; strawberries, 50c to 55c per box.

GREEN HIDES,

An advance of 1c in calfskins this week places quotations at 10c for No. 1 and 8c for No. 2. In beef hides there is no change, and receipts are not expected to reach favorable proportions till after Easter. In the New York market offerings were moderately free as packers had fair-sized stocks on hand. Owing, however, to the recent declines in prices they were not forcing the market, and no important sales were reported, closing at 11 1/2c to 11 3/4c for native steers, 11 1/4c to 11 1/2c for butt brands and 11 1/4c for side brands. In the Chicago market the principal packers were reported

holding steady. It was understood they had large stocks of native cow hides but with prices on their present basis they were indifferent about sales. Demand continued light. Prices quoted were 12c to 12 1/2c for native steers, 13c to 13 1/4c for heavy Texas, 11 3/4c for butt brands, 11 1/2c for Colorado, 10 1/2c to 10 3/4c for heavy native cows, and 9 1/2c for branded cows. Country hides were quiet at 7 3/4c to 8c for No. 1 buffs.

GROCERIES.

Record prices in sugar appear to be the order of the day, a further reduction of 5c this week on all grades bringing the present price down to a much lower figure than ever. Standard granulated is now sold at \$3.80, freight delivery, and branded yellows at from \$3.05 to \$3.55. What problem this creates for local beet sugar organizers remains to be seen. It certainly brings into the commercial arena a factor which will play a prominent part should it continue through the coming summer, for, then there will be a new impetus given to the sale of fruit jars and the demand for all kinds of preserving fruit. Meantime it is being left to the enterprising retail grocer to so conform the selling price of this most staple commodity, as best to suit the further sale of his other

The Bank of British North America.

(Incorporated by Royal Charter.)

The Court of Directors hereby give notice that a Dividend of Thirty (30) Shillings per Share will be paid on the 4th day of April next to the Proprietors of Shares registered in the Colonies, making with the dividend paid in October a distribution of 6 per cent. for the year ending 31st December, 1901.

The Dividend will be paid at the rate of exchange current on the 3rd day of April, 1902, to be fixed by the Managers.

No transfers can be made between the 20th inst. and the 3rd prox., as the books must be closed during that period.

By order of the Court,
(Signed) A. G. WALLIS,
Secretary.

No. 5 Gracechurch Street, London, E.C.
4th March, 1902.

lines. London cable advices reported a flat and lower market for raw beet sugar, prices showing a decline of 1 1/2d, to 6s 7 1/2d for March delivery and 6s 9d for April delivery; cane was dull. In the New York market a slightly lower basis of values was established. A cargo of Cuban sugar at the Breakwater was on offer, and it was finally sold to Philadelphia at 1-16c decline. The business reported was 11,400 bags Cuban centrifugals 96 deg. test at 1 1/2c cost and freight, equal to 3.56c duty paid, and 1,125 bags do. molasses sugar 89 deg. test at 1 13-32c c. and f., equal to 2 13-16c do. Muscovado 89 deg. test was quoted nominally at 3 1-16c. Later in the day additional sales were made of 17,200 bags Cuba centrifugals 96 degrees test at 3 1/2c. We learn from Vancouver that a new salmon cannery combination, taking in at least forty-five of the largest cannery plants in British Columbia, is understood to be completed, Americans are reported backing the deal with a capital of \$4,000,000. London advices on dates state: The available supply of last crop dates is only about 100,000 boxes, which will all be cleared up before this year's dates come in. It is believed that the stocks in London are only sufficient for the home consumption. Advices from the South state that the supply of spinach for canning purposes is light owing to the higher prices paid for the green stock for shipment to the consuming markets. There is noted a good demand for the canned product on the spot with sales reported at from 95c to \$1 delivered. The market for rice is unchanged from last week's report. Molasses is steady at the recent decline. Beans are lower at \$1.30 for hand picked, and \$1.15 for prime. In connection with shelled

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1902

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BEST BRITISH.

Pioneer in Cycle Chains.

HANS RENOLD MANCHESTER CYCLE CHAINS

At the Head of The Trade.

Send for No. 1. Catalogue (Index to Various Types.)

Tariff no longer prevents Canada from seeking the Best in the Old Country.

Honest Value for Money.

Also Renold Patent High Speed Silent Driving Chain, Renold Roller Chain, for Motors, Governor Drive, &c.

Works, - MANCHESTER, Eng.

Lightest, Strongest, Most Durable.
Honest Value for Money.

YORKSHIRE RELISH

THE MOST DELICIOUS SAUCE IN THE WORLD

The only Cheap & Good Sauce. Beware of Imitations
Sold in Bottles 6d, 1/- and 2/- each.

Proprietors, GOODALL, BACKHOUSE & CO., LEEDS.

AGENT FOR CANADA

ENGLAND.

CHAS. GYDE,

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

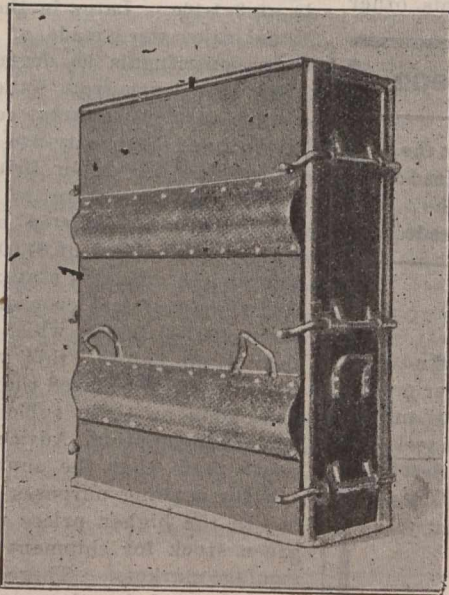
almonds, it is stated that no Jordans are to be had abroad, and stocks are going fast into consumption. Malaga reports extreme cold weather which will reduce the next crop, and prices will continue to rule very high. The crop of Alicante almonds also promises to be small, frost having killed the blossoms.—Referring to currants, a leading importing firm says: Rather more business has been done during the past week, but the orders booked were almost entirely in a small way. Mail advices from Patras under date of Feb. 8 note an unsatisfactory demand from all parts of the world, but holders appear confident of the ultimate outcome. The statistical position still appears bright, and it is the expectation in that quarter that stocks held there, amounting to about 22,000 tons, will be practically cleared

before gathering of the new crop. It appears that clearances during January from Patras were quite satisfactory, footing up 9,253 tons, and making the shipments to all countries up to that time about 115,000 tons as against 109,000 tons during the last normal season. The English markets are reported quiet at unchanged quotations. The New York market showed a somewhat easier tendency, with one holder quoting 5½c on fine Amalias in barrels. Canned tomatoes are firm at 90c to \$1. Advices from Baltimore, U.S., referring to the situation on tomatoes, both spot and futures, state: "The general conditions in regard to futures are extremely unsatisfactory. Offerings from responsible quarters are exceedingly light, and the packers who are willing to sell show no disposition to urge business.

A few goods are still available at 80c net, for 3-lb. standard f.o.b. shipping station, with Baltimore rate of freight. It must be said, however, that any strong buying disposition on the part of the trade would immediately be followed by an enhancement of packers' ideas. There are a few packers who still hold out for 82½c f.o.b. on 3s. A few lots of standard 2s are available at 62½c regular, and gallons at \$2.15 less discount at packers' station. There are no important offerings at 60c on 2s so far as we can discover. In spot gallon standards some brokers report more inquiry, with \$3.60 quoted. Occasional lots can be picked up at \$3.45 f.o.b. this city. The interest in 2s, 3s and gallons has been active, and on 3s especially the tone is very strong. Offerings at \$1.22½ net cash f.o.b. packers' station

SOAP FRAMES

PATENTS—No. 5107/93; No. 10862/99.



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

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

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

Soap Trade Supplied under the new Tariff

Cable Address: EILLS, Liverpool.

EILLS & COMPANY,

LIVERPOOL, Eng.

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

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

SPECIAL AGENTS FOR

Danish and Irish Butter

IN TINS.

WRITE FOR OUR EXPORT PRICE LIST.

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

OFFICE:

12 Hanover Street, - LIVERPOOL, Eng.

Special rates to Canadians under the New
Preferential Tariff

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 } 3 to 8
Slit-Unions }

BOTTOMS Union-Jets 00 to 5

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

are infrequent, and such are generally taken up quickly. The tendency is toward a \$1.25 net cash basis. Good second 3s are offered at \$1.10 net cash f. o. b. county, with allowance for buyers' label."

HARDWARE AND METALS.

A good demand is shown, prices of listed hardware hold steady, no changes having occurred for some weeks. Through the nature of orders coming in for future delivery an unprecedented amount of building will be done throughout the north and west this coming season. In heavy goods, bar iron, steel, etc., there is shown the probability of light stocks and considerable difficulty in meeting demands. This means, of course, firmer prices. Rope is firm but unchangeed. British manila has advanced 1/2c,

but this does not apply to our quotations on another page. The situation in the United States shows demand beyond possibility of supplies. Each week appears to but intensify the condition as it reflects the needs of the near future. At a meeting of the Eastern Bar Iron Association, held at New York last week, it was decided to advance prices \$2 per ton. What has been primarily instrumental in leading up to this move is the scarcity of pig iron, together with the recent rise in the same. The last previous advance made by the Bar Iron Association was about six weeks ago. Among the more important concerns that are members of the Association are the American Iron & Steel Manufacturing Company, the Susquehanna Iron Company, the Diamond State Iron

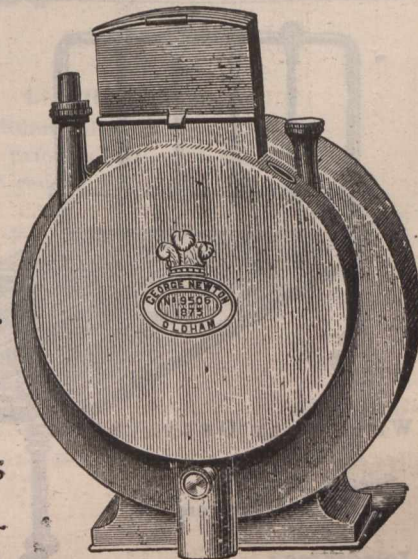
Co., and the Penn Iron Co., Limited. The independent sheet steel manufacturers, it is believed in various quarters, will shortly announce an advance in the price of sheet steel to 2c per pound. London cabled a stronger feeling in spot tin, where prices at the close showed a gain of 15s over those of Monday evening, so far as spot was concerned, and advance of £1 in futures. Business in the former on the English market was considerably larger than for several days, while the latter were comparatively neglected. The quotations cabled from London were as follows: Spot tin, close, £114 5s 0d; tin, three months, £110 12s 6d; sales of spot, 130 tons; sales of futures, 70 tons. The prices of pig iron cabled to-day were as follows: Scotch warrants, Glasgow, close,, 52s 8d; No.

GEORGE NEWTON, LTD.



GAS METER = MANUFACTURERS.

OLDHAM, ENGLAND.



Special quotations under the new Canadian Preferential Tariff.

Established 1857.

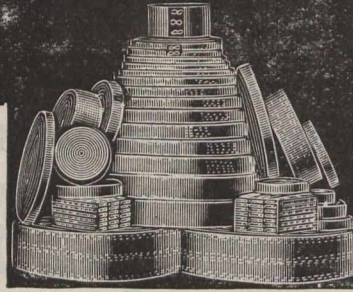
JOHN OLDFIELD & CO.,

THE CITY TANNERY
& LEATHER WORKS,

BRADFORD, - - England.

OAK-TANNED LEATHER BELTING,

Single and Double.

LEATHER BELTINGSINGLE AND DOUBLE
LEATHER BELTINGSPECIALITY
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. LACRES—White, Brown
(or Oiled,) Helvetia, Horny and Rep.

Special Rates to Canadians under the New Tariff.

3 foundry, Middlesbro, 40s 4½d. The further retarding of deliveries by the interruption and congestion of railroad traffic, in the States, is adding to the troubles of consumers who are in immediate need of supplies but can get no relief from sellers. As a consequence spot business is almost suspended, but in futures transactions continue on a very satisfactory scale. In pig iron a number of good-sized contracts in Southern foundry for delivery during the last half of the year

have been closed at full prices. Advices from Philadelphia state that a little No. 2 X foundry pig might possibly be picked up at \$18.50, but that at least in one case \$20 was asked for March shipments. A great deal of iron is being sold for delivery during the last three months of the year, this report says, but so much is being taken that the companies are beginning to pick their trade, although they still express confidence in their ability to furnish all the iron that will be required for consumption. Since it became apparent to buyers that there is no fear of a famine in iron interest in imports of English metal has disappeared, with the result that prices on the other side are again receding; the decline amounting to 1s 9d within a week. Prior to that time the indications pointed to a boom on the other side. The animation that marked proceedings on the Glasgow pig iron warrant market during the week preceding March exceeded anything that has been seen for years. Big lines of all classes of warrants changed hands; on more than one day as much as 60,000 tons were dealt in, and that though prices were firm and advancing. The stir and strength have been derived from bullish advices, public and private, received from America as to the activity and buoyancy of the steel and iron trades there. These have been accompanied by orders for Scotch warrants and inquiries for Cleveland and hematite, and that fact has no

doubt gone a long way to emphasize the favorable impression created in speculative circles by the trade reports referred to. Doubt exists as to whether the purchases of Scotch warrants were on legitimate account, not a few experts being of the opinion that they were mere gambling operations and did not forecast the early placing of legitimate orders on this side. Already some Cleveland iron has been sold for shipment to New York, 50,000 tons of Cleveland gray forge are said to be wanted for Philadelphia, and 60,000 tons of steel billets are inquired for in the Glasgow market for the same destination. Slabs and blooms are also wanted, and on the whole a big lot of work is offering. As yet, however, buyers and sellers have not discovered a workable basis of prices, but it is more than probable that some terms will be negotiated.

LEATHER AND SHOES.

There was a better movement in leather this week causing the month to begin quite favourable. Prices hold steady. In shoes there is a decided inclination toward patent and enamel leathers for the coming season by those who are determined to be in possession of the "latest out." Prominent among these is a button shoe of Russian colt, in either patent or enamel, with heavy glove kid vesting. The last is "common sense" with the medium wide toe curving as shown in last year's styles.

El Padre Needles

10 Cents.

VARSAITY,

5 Cents.

The Best

— CIGARS —

that money, skill, and
nearly half a century's
experience can pro-
duce.

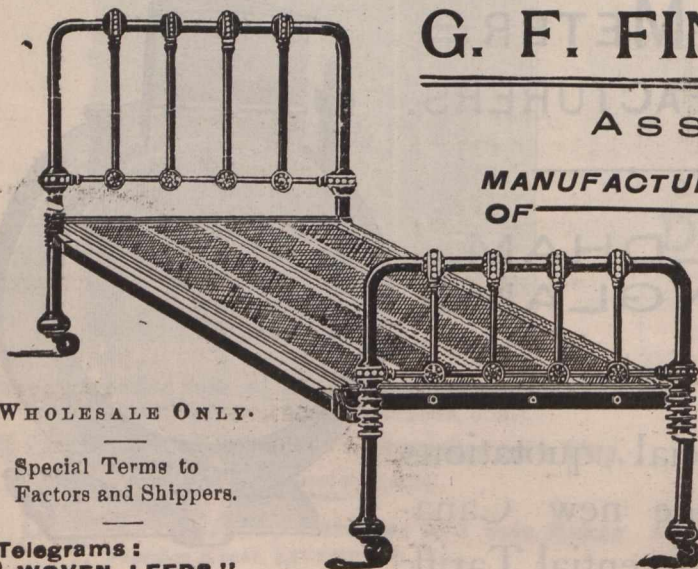
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S. DAVIS & SONS,

MONTREAL, Que.

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

Assembly Works,

MANUFACTURER
OF**BEDSTEADS.**Folders, Chair-Bedsteads, Wire Spring Mattresses,
and Coppered Diamond Spring Mattresses.

WHOLESALE ONLY.

Special Terms to
Factors and Shippers.Telegrams:
"WOVEN, LEEDS."**WIRE MESHES FOR MATTRESS MAKERS.**

Angle Irons and Dovetails for Wood Bedsteads.

Special terms to Canadians under the New Preferential Tariff.

Canada Life

Change Completed to a 3 1-2 p.c. Valuation Basis

At the Canada Life Annual Meeting on Wednesday, Feb. 26th, the President, Senator Cox, announced that the Reserves on all business prior to 1900 are now valued on a 3 1/2 per cent. basis and new policies issued since then at 3 per cent. The Directors' Report is as follows:

The Year's Business. The number of applications received for assurances was 3,871 for \$8,467,243. The number of policies issued was 3,659, representing assurances of \$7,761,131. Applications for \$485,642 of assurance were declined, and the balance were deferred or incomplete at the close of the year. As compared with the previous year there was an increase of 1,579 in the number of policies issued, and of \$2,397,996 in amount. The number of new policies on which first premiums were actually paid during the year was 3,238, effecting assurances of \$7,078,356. This constitutes the largest paid-for business in any year of the Company's history. The total assurances now in force amount to \$84,404,972, being an increase of \$3,365,891 for the year.

The Income. The net premium income amounted to \$2,476,251.29, and the income from interest to \$1,041,365.94, making a total net income of \$3,517,617.23. It is pleasing to note that the interest income, for the first time in the Company's history has exceeded the million dollar mark.

The Payments. The death claims paid during the year amounted to \$1,163,098, an increase of only \$50,730.60 over those paid in 1900, and the amount was again well within that expected. Including bonus additions, the death claims, endowments and annuities paid in 1901 amounted to \$1,384,239.04, while \$175,703.51 was paid as surrender values and dividends to policyholders, making total payments to policyholders \$1,559,942.55.

The Assets. The total assets at 31st December, 1901, as shown by the Balance Sheet, amount to \$24,504,790.48, being an increase of \$1,856,586.40 over the previous year. Apart from the \$560,380 received from calls on Capital Stock, the natural increase in the assets of \$1,296,206.40, must be very gratifying to all interested in the Company's welfare. The funds have been kept fully employed during the year at remunerative rates of interest.

The Liabilities. Two detailed valuations of the Company's policy liabilities were again made—one upon the Combined Experience 4 per cent. basis, the other upon the Institute of Actuaries Hm 3 1/2 per cent. table. In addition to these a third valuation was again made for all policies issued since 31st December, 1899, upon an Hm 3 per cent. basis. The Directors have much pleasure in announcing the final transfer of the Company's reserves to an Hm 3 1/2 per cent. basis, and further that for all policies issued since January 1st, 1900, a rate of interest of 3 per cent. only has been employed in the valuation now adopted. So far as known, no other Canadian Company, and, with one possible exception, no United States company employs so stringent a valuation basis or holds such strong policy reserves as the Canada Life. After providing for these and all other liabilities, except Capital Stock, there remains a surplus on policyholders' account of \$1,348,706.22.

Review. It is perhaps not too much to say that the year 1901 was the most successful in the Company's long record of fifty-five years. The new business paid for was the largest in the Company's history, while the total business in force shows a very material gain. The increase in assets was very gratifying, the interest earnings most satisfactory, while the mortality experience was well within that expected. To crown all the completion of the transition to the new and stronger basis of reserve, now announced, must be a cause of great satisfaction to all interested in the continued prosperity of the Company.

GEO. A. COX, President.
R. HILLS, Secretary.

Financial Abstract

As at 1st January, 1902.

ASSETS.		LIABILITIES.	
Government, Municipal and other Bonds,		Assurance Reserve Fund (Hm. 3 1/2 per cent.	
Stocks and Debentures	\$11,653,143 00	for all business prior to 1st of January,	
Mortgages on Real Estate	3,910,190 25	1900; Hm. 3 per cent. for Policies issued	
Loans on Bonds, Stocks, Policies, &c.	6,009,377 63	since then)	\$22,709,306 00
Real Estate (including Company's buildings in		Investment Reserve Fund	75,000 00
Toronto, Montreal and Hamilton)	1,579,588 33	Other Liabilities except Paid-up Capital	371,778 26
Premiums in Transit, deferred Premiums and		Surplus on Policyholders' Account	1,348,706 22
Interest accrued	873,969 08		
Other Assets (including cash in banks)	478,522 19		
	\$24,504,790 48		\$24,504,790 48
RECEIPTS.		PAYMENTS.	
Net Premium and Annuity Income	\$2,476,251 29	Paid Policyholders and Annuitants	\$1,559,942 57
Interest	1,009,980 23	All other payments	656,808 17
Capital	560,380 00		
Profit on Sale of Securities	31,385 71		
	\$4,077,997 23		\$2,216,750 74

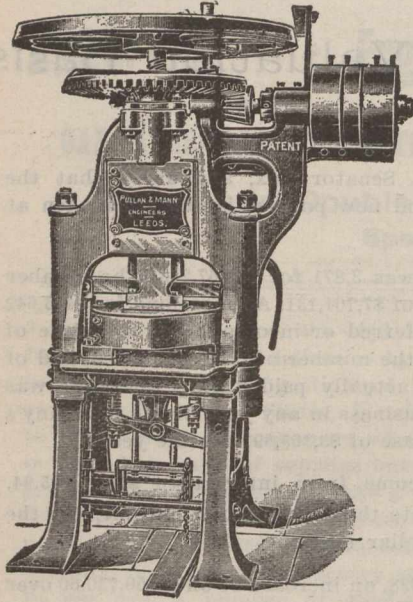
Telegraphic Address:—"GAMBRIAN, LEEDS."

Telephone:—No. 1232.

Titley's Patent Screw, Brick AND Tile Press,

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

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



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

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

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

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

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

PULLAN & MANN, Cambrian Works, Leeds, England,
Elland Road,
**PATENT IMPROVED BRICK, TILE
and SANITARY PIPE MACHINERY, &c.**

EXTRACT OF INDIGO,
REDUCED INDIGO.

J. W. EASTBURN,
Baglan Chemical Works:
HALIFAX, ENGLAND.

Special prices to Canadians under the new Canadian Tariff.

PAINTS, OILS, ETC.

More enquiry is shown for these goods as the season draws near. There was a meeting of the White Lead Association in Montreal to-day but, we are informed, nothing of public interest transpired. Prices hold steady. Linseed oils are holding to the high notch reached a week ago. Turpentine is unchanged.

PROVISIONS.

With the Lenten season at its height, the dullness which, in a local way, characterizes this market, is fully apparent. Fresh killed hogs are arriving reasonably free and prices are a shade lower. In round lots \$7.75 to \$8 are outside prices as to quality, while in a jobbing way a fraction more is obtained. In cured meats, lard, etc., the tone is similarly quiet, purchases being for immediate needs.

Quotations: Sel. heavy Can. short cut mess pork, \$22.50; heavy Canadian short cut mess pork, \$21.50; Canada short cut back pork, heavy, \$21.50; heavy Canada mess pork, long cut, clear, \$21.50; heavy Canada short cut clear pork, \$21.50; light Canada short clear pork, \$21.00; pure Canadian lard, in 20 lb. pails, 11 $\frac{3}{4}$ c to 12c; compound refined, in wood pails, 20 lbs., 8 $\frac{3}{4}$ c to 9c; Boar's Head brand, in 20 lb. wood pails, \$1.97 $\frac{1}{2}$ to \$2.05; Globe, \$1.72 $\frac{1}{2}$ to \$1.80; 20 lbs., in tin pails, $\frac{1}{4}$ c per lb. less; hams, 12c to 14c; and bacon, 14c to 15c per lb. Chicago, March 5. — Provisions closed, 7 $\frac{1}{2}$ c to 10c lower. Estimated hogs for to-morrow, 40,000.

Futures were: Mess pork, May, \$15.10; July, \$15.30; lard, May, \$9.27 $\frac{1}{2}$; July, \$9.40; September, \$9.50; short ribs, May, \$8.27 $\frac{1}{2}$; July, \$8.40; September, \$8.52 $\frac{1}{2}$. Cash prices were as follows: Mess pork, \$15 to \$15.10; lard, \$9.12 $\frac{1}{2}$ to \$9.15; short ribs, sides, \$8.10 to \$8.30; dry salted shoulders, 7 $\frac{1}{4}$ c to 7 $\frac{1}{2}$ c; short clear sides, \$8.55 to \$8.65. Liverpool, 5.—Hams, short cut, quiet, 46s 6d; bacon, Cumberland cut, quiet, 40s 6d; clear bellies, quiet, 47s; shoulders, quiet, 34s 6d.

WOOL.

The market is bare of Cape wools. Some B.A.'s are still selling here and bringing 34c to 35c, where a short

A RELIABLE & PRACTICALLY UNBREAKABLE FRAME

NO MORE BROKEN FRAMES.

Breakages of Frames and Forks mostly result from defective Brazing and the burning of Tubes.

We DO NOT HEAT the Tubes; each joint is made and tested separately.

The joints are perfect, reliable, immovable, and always visible.

Strength, Lightness, Rigidity.

Enamelled inside as well as outside to prevent rust.

SEND FOR OUR CIRCULAR.

TELEGRAPHIC ADDRESS: EFFECTIVE, MANCHESTER.

HYDRAULIC CYCLE FRAME

THE BIRTWISLE HYDRAULIC JOINTING SYNDICATE LTD
WORSLEY ST., HULME, MANCHESTER.

TRADE MARK
B.H.J.
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The Sizing Materials Company

Manufacturers of
all kinds of

Chemicals and Materials used
by Warp Sizers and Finishers.

10 Marsden St., - MANCHESTER, Eng.

Telegraphic Address :—"MESH," Manchester.

The Yorkshire Wire Cloth Company,

Flour and Rice Mill Furnishers, Silk
Merchants, Wire Weavers, Brush
Makers, Metal Perforators, &c.

Victoria Wire Works, Commercial Street, Knott Mill
MANCHESTER, ENG.

F.O.B. MANCHESTER.

while ago these same wools were difficult to move at 31c. This shows the situation. To buy Cape wools to-day would mean paying an advance of 15 per cent. In fact, some has been purchased at this equivalent, meaning higher prices paying than the last was closed out for here a week or two ago. A cable to-day from a leading London broker states that a further advance of 5 per cent. is anticipated at the coming London auction sales which open Tuesday next, 11th. To quote Cape wool here now the figures would be 14c to 16½c. A visitor to the Western Ontario wool centres last week reports Canadian selected as getting rather bare, anything fine being picked up for the U.S. markets at full figures. Clothing wool, on the other hand, was plentiful, and quoted at 14c; culls were also in liberal supply. The situation, throughout, is considerably more cheerful, the factories have all been running on very close supplies in anticipation of something possibly being done in the way of tariff changes; but now, when that has been turned down, it is simply a case of doing the

next best by improved production in fine goods wherever possible.

—The delegates to the Brussels Sugar Conference have signed for the abolition of all bounties on sugar, reduction of customs surtax to uniform rate of six francs and imposition of countervailing duties on sugar from states continuing to grant bounties.

WILLIAM ARNOTT & COMPANY,

Coatbridge Boiler works, Coatbridge,
Scotland.

Among the largest as well as leading manufacturing firms in this important staple industry is the Coatbridge Boiler Works of William Arnott & Co., which, in point of complete equipment and arrangement, are among the most perfectly fitted in the trade. The business was established at Coatbridge, Scotland, by Mr. Arnott in 1870, and at first was conducted on a somewhat

modest scale, but in a short time additional ground was acquired, and on this were erected commodious extensions of the works, to meet the rapid development of the trade. At present the works cover an area of some acres, adjacent to the Caledonian Railway Company's line, from which a siding runs direct to the premises to facilitate the transport of materials and finished products. The buildings are erected in a range 100 yards in length, and comprise spacious and lofty sheds and workshops, provided with powerful overhead travelling cranes, similar appliances being erected in the yard for conveying boilers, etc., from one part of the premises to another. About four years ago, Mr. Arnott, with characteristic enterprise, erected an entirely new plant for the works at an expenditure of over £5,000; the machinery being of the most up-to-date type, including all the latest improvements for drilling, welding, bending, and flanging boiler plates, together with hydraulic riveting machines, both stationary and portable, for performing this important operation. The firm make every des-

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.

Telegraphic Address:
"BRICKTILE, PRESTON."

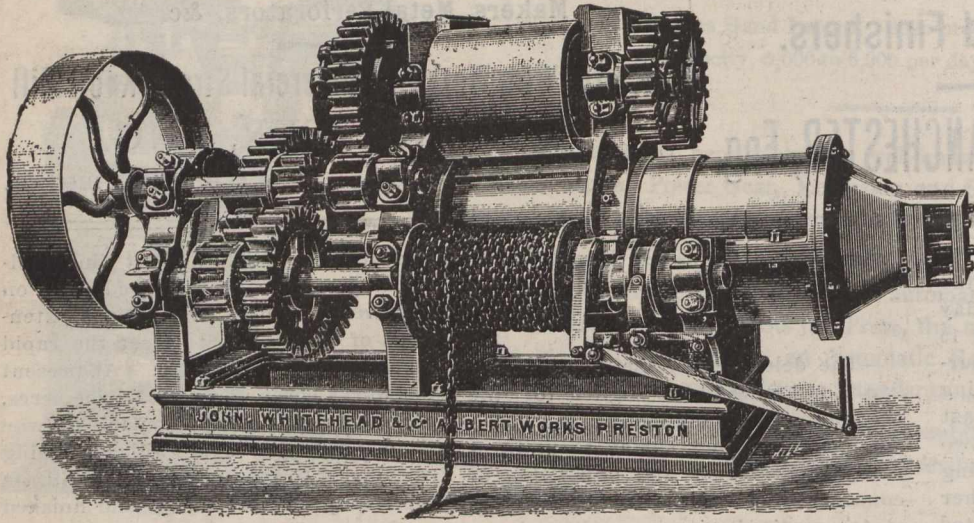
A.B.C. Code, 4th Edition.

JOHN WHITEHEAD & CO., LIMITED.

Albert Works,
PRESTON, ENGLAND.
Brickmaking Plant

"The Manchester."

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



cription of high and low pressure steam boilers in Lancashire, Cornish, vertical, multitubular, portable, and cylindrical models. All boilers have the rivet holes drilled through the solid plates when bent in position, and are subjected to the severest test before being passed as perfect. The illustration on another page represents a boiler of the firm's make, 30 feet in length, by 7 feet 6 inches in diameter, all holes drilled in position, flues welded and flanged, edges of plates planed, end plates turned in lathe, riveting performed by hydraulic appliances, all machinery, etc., of the most modern description, and the best of workmanship guaranteed. Fittings include — Furnace Fronts, Doors, and Firegrates complete, Soot doors and Frames, Damper and Frame, pulley, chain and weight, Steam Stop Valve with Anti-priming Pipe, Pendulous Dead Weight Safety Valve, High

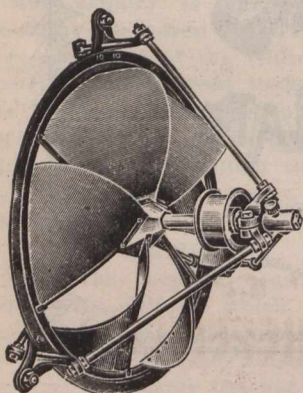
Steam and Low Water Safety Valve, Feed Check Valve with Internal Pipe, Gun Metal Blow-off Cock with Bend Pipe, Gun Metal Asbestos Packed Water Gauges, Water Level Pointed, Steam Pressure Gauge, and Syphon and ornamental Brass Beading. Construction.— The Boilers are made from specially selected Siemens Martin Mild Steel, each ring formed of one plate, the ends are in one piece and the longitudinal seams are double rivetted. The firm have special automatic machinery for drilling the rivet holes after plates are bent to form, the flues are welded longitudinally and flanged transversely by special machines at one heat. The flue flanges are turned on edge and the rivet holes are drilled by automatic machine patent pitching apparatus. Both flanges are drilled at the same time, thus ensuring absolute accuracy. The end plates and angle rings are

turned on their edges. All Boilers after completion are tested to 1 1/4 times their working pressure by hydraulic test or double if required. The capacity of the works is equal to three of these large boilers per week. The firm have always a large stock of high-class boilers in stock, or in course of construction, to which buyers' attention is directed, the most absolute satisfaction being assured in every detail of make and thorough reliability. Upwards of two hundred hands are constantly employed in the various departments of the works, under the direction of Mr. Alexander Muir, the manager, whose long and wide experience is exemplified in the excellent system of organisation in force in this admirably arranged establishment. In conclusion, we may mention that the telegraphic address of the firm is "Boilers, Coatbridge," Scotland.

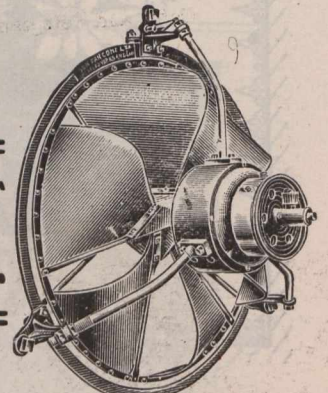
"Sun" Ventilating Fans

Highest Efficiency, Strength and Lightness

MADE ENTIRELY OF WROUGHT OR MALLEABLE IRON.



Belt Driven.



Electrically Driven.

For Ventilating, Drying and All Cooling Purposes . . .

"Sun" Fan Co., Ltd.,

GENERAL BUYING AGENTS WANTED.

Special prices to Canadians under the New Tariff.

40a Thornton Road, BRADFORD, ENG.

ESTABD 1859

LIVERPOOL RUBBER COMPANY LTD

MANUFACTURERS OF

RUBBER BOOTS & OVERSHOES

CANVAS, PLIMSOLL, GYMNASTIC & LAWN TENNIS SHOES



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



HEAD OFFICE & WORKS
VAUXHALL RD LIVERPOOL ENGLAND



WASHERS AND
ALL KINDS OF MECHANICAL
RUBBERS. INDIA RUBBER THREAD

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LIVERPOOL RUBBER CO. LTD

CAB TYRES
PNEUMATIC CUSHION AND SOLID TYRES

34 ALDERMANBURY
LONDON ENGLAND
20 RUE DE MARAIS
PARIS FRANCE



ECLECTIC STEEL CO., LTD.

SEALED TENDERS addressed to the undersigned, and endorsed "Tender for Custom House, Halifax, N.S.," will be received at this office, until Thursday, 20th March next, inclusively, for the construction of a Custom House, at Halifax, N.S.

Plans and specification can be seen and form of tender obtained at this Department, and at the office of C. E. W. Dodwell, Esq., Resident Engineer, Halifax, N.S.

Persons tendering are notified that tenders will not be considered unless made on the form supplied, and signed with their actual signatures.

Each tender must be accompanied by an accepted cheque on a chartered bank, made payable to the order of the Honourable the Minister of Public Works, equal to ten per cent. (10 p.c.) of the amount of the tender, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By Order,

FRED. GELINAS,
Secretary.

Department of Public Works,
Ottawa, 24th February, 1902.

Newspapers inserting this advertisement without authority from the Department will not be paid for it.

It is seldom the favorable lot of a manufacturing company, coming upon a market already thought to be amply supplied with high class productions, to gain the envious reputation acquired by the Eclectic Steel Company, of Sheffield, England, since its inception nine years ago. It is, however, but another proof that in modern trade circles it is not quite necessary that each new-comer in the manufacturing field shall surpass the best achievements of his competitors, but rather that he shall always prove as good as the best that others occasionally produce.

The groundwork of modern success is composed of determination to please, and thus justify further unsolicited business through having quality, style and finish harmonize in all goods turned out, to the extent that while they combine in pleasing while they are comparatively new, they will prove worthy of future favorable comment by their durability when comparatively old. These are the lines

on which the wheels of progress and expansion have been running so smoothly for the Eclectic Steel Company, and which has been causing their business to expand so generously in the home market that the company now contemplate appointing a resident Canadian agent, who will give to their products the push by which a new article is often greatly assisted in a new country. From the favorable comments before us of the output of this enterprising company, whose advertisement is to be seen in each issue of the Canadian Journal of Commerce, we have no hesitation in directing the Canadian trade to the facilities possessed by this company for most satisfactory attention to all orders.

The specialties of this company are: High class steel for tools, for miners' drills, saws, files, etc. They supply this steel to the largest steel works, engineers and collieries, in England and the continent. They are, likewise, contractors to the English War Office. Mr. While, the principal is a thoroughly practical man, who, in addition to a natural capacity which places him readily in the first rank, is

EDGAR ALLEN & CO., LTD.,

Imperial Steel Works,
SHEFFIELD,

MANUFACTURERS OF

TOOL STEEL

Crusher Jaws, Cams, Tappets, Heads, Machine-Moulded Gearing, Truck and Skip Wheels and Axles,
Miners' Drill Steel, Steel Castings, Files, &c.

TURNER'S PATENT IRON-FIBRED STEEL.

TELEGRAMS :
"ATTRACTION," LIVERPOOL

TELEPHONE
NO. 6348.

WILLIAMS & Co.,

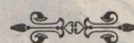
Wholesale and Export Manufacturing Confectioners.

96 Wood Street,
LIVERPOOL, Eng.

Specialities.

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

Special Prices to Canadians
under the New Tariff.



Send for Samples and Prices.

possessed of a fund of experience, being brought up in the largest works in Sheffield. Mr. While subsequently accepted the management of extensive steel works in the North of England. The present works of The Eclectic Steel Company bear ample testimony to the capacity of Mr. While in bringing them to the proud position they occupy to-day in the heart of the steel manufacturing centre of the world. Write for further information, and special terms under the new Canadian tariff.

L. GARDNER & SONS, LIMITED.

Prominent among manufacturers of gas and oil engines is the firm of L. Gardner & Sons, Limited, Patricroft, Manchester, England, who are desirous of acquainting the Canadian trade with the perfectness and simplicity of their engines propelled by either oil or gas. The extent of this company's works may be gauged from the following list, of which they are makers: Gardner Oil Engines—petroleum; Gardner Gas Engines—town or producer gas; Gardner Spirit Engines—gasoline, benzoline; Gardner Alcohol Engines—methylated spirit; Gardner Launch Engines—oil, spirit, or alcohol; engines from ½ b.h.p.; horizontal and vertical; tube ignition with ignition valves; electric ignition. More than 2,000 engines sold and working

successfully in all parts of the world. 200 engines always in progress. London offices and showrooms, 87 Queen Victoria street, E.C. From a circular issued by this company we extract the following, which gives a more detailed idea of the various workings of these engines: The Gardner Gas Engine is the result of many years experience and close study of internal combustion engines. Counting gas and oil engines, we have now sold over 2,200 engines, varying from ½ b.h.p. to 25 b.h.p.; they are successfully working in all parts of the world. In detail, the engine has undergone many changes since it was first made, changes dictated by our large experience. The many valuable features are mentioned below. We have always 200 engines in progress, and anyone interested is cordially invited to the works to see the engines in course of construction.

Leading Features.—Construction. —Cylinders, pistons, piston rings and all working parts that are of cast-iron, are made of a very special close-grained, hard, strong mixture, the durability of these parts being consequently very great. Crankshafts and connecting rods are cut from solid steel forgings, machined and polished all over. The teeth of the gears are machine cut from solid blanks. All working studs, bolts, valves and such like parts are ground by machinery to accurate "limit" gauges. Cross pins in pistons are of unusually large diameter, and

are hardened and ground. Crankshaft and connecting rod bearings are made of a special mixing of gun-metal. Generally, all the parts are very highly-finished, and the painting (varnish paint) is of an exceptionally high order. Testing.—After the engines are completed, they all undergo a very thorough test and inspection at the hands of a highly-skilled staff. The testing of every engine is under the direct supervision of one of our directors. Indicator diagrams are repeatedly taken during the test, and the engines are braked in order to ascertain the actual horse power given out at the fly-wheel. No engine is passed unless it develops its proper power. A complete record of the test of each engine is entered on a test sheet which, together with the indicator diagram, are filed for future reference. Very frequently the engines are, in addition to braking, put to drive an electrical load during test. Any engine will be so tested if required by the customer.—Ignition Tubes.—In the smaller engines, Hoveler ignition tubes are used; they are drilled out of the solid bar of special alloy. In the larger engines, beginning with the No. 3, special clay tubes are used with thick walls. These tubes are held in our patent tube holder, which allows for the expansion and contraction of the clay tube. This is a most successful device; the tubes last almost indefinitely. These clay tubes are very inexpensive. — Ignition

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

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

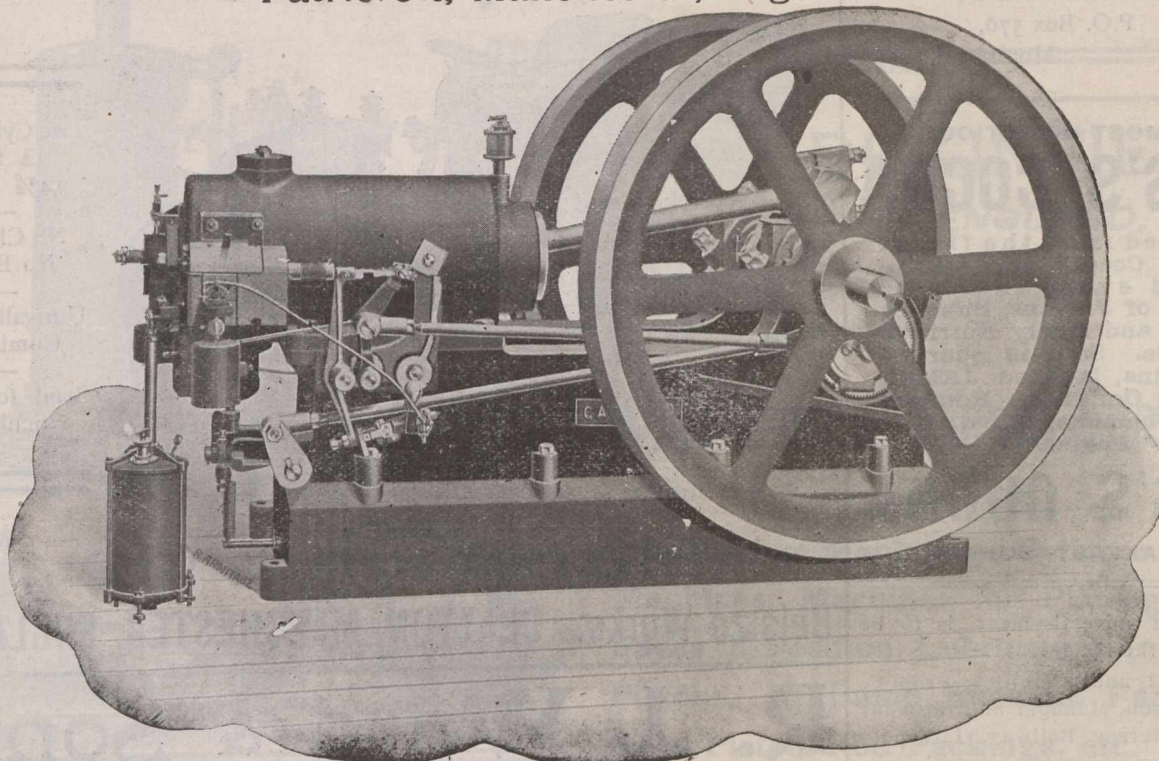


Photo of 20 B. H. P. Oil Engine.

Engines from 1/4 B. H. P.
 Horizontal and Vertical.
 Tube Ignition with Ignition Valves.
 Electric Ignition.

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

87 QUEEN VICTORIA STREET, E. C.

Makers of :

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

LONDON OFFICES AND SHOWROOMS,

slow to maximum, including any intermediate speed, without stopping the engine—simply by turning a small milled screw.—Write for illustrated catalogue, and special terms under the new preferential tariff, to L. Gardner & Sons, Limited, Barton Hall

Engine Works, Patricroft, Manchester.

ACME VENTILATING & HEATING CO., LIVERPOOL, ENGLAND.

As testimonials from those who have used an article, and are thus in

the best position to speak of it, are always considered of extreme importance to those contemplating such purchases we willingly reproduce the following as testifying to the efficiency of the productions of the above com-

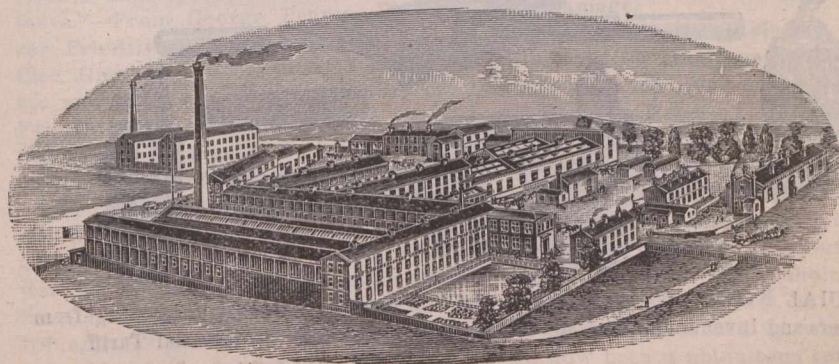
Telegraphic Address:
 "HASTE, BRAMLEY, LEEDS."

Haste & Brown,

Hough End Tannery,

BRAMLEY, LEEDS, - Eng.

—Tanners, Curriers, -
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Russet Lining Bellies and Shoulders, of Light Substance, Soft, Bright and Dry Finish.

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

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



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

INVESTMENTS.

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

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

THE MOST NUTRITIOUS.

EPPS'S COCOA

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

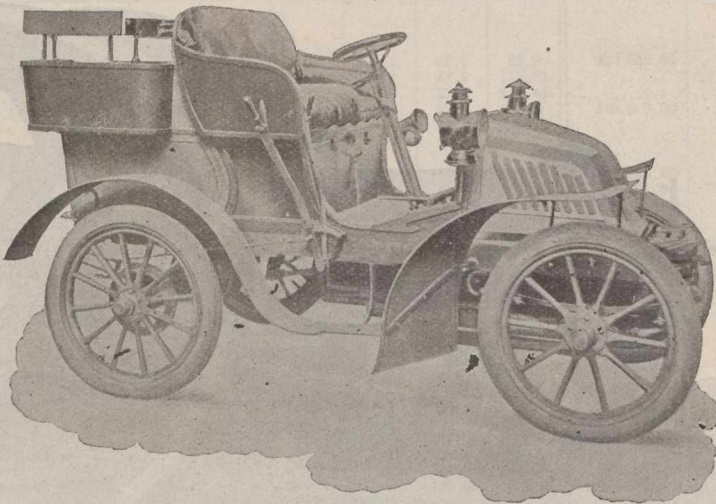
EPPS'S COCOA

BREAKFAST-SUPPER

pany, whose advertisement is to be seen on another page:

Testimonials and references: From C. A. Rowlandson, Manager and Resident Engineer, Mersey Railway, Liverpool (now chief engineer Gt. Central Railway).—"With reference to the trials I have lately made of your Acme ventilators in the roofs of my first-class smoking compartments, I have to say satisfactory in exhausting the smoke that their action appears to be very and foul air from the compartments, and that there is not, as far as I have seen, any down draught with them. They are easily fitted, and very neat in appearance.—Tested by S. B. Cottrell, M.I. Mech. E., Manager and Engineer of the Liverpool Overhead Railway, against six of the best known ventilators, and after three months' practical and exhaustive trials were proclaimed the best, and finally adopted on their new carriages. Used by the North-Eastern, Great Western, London & North Western, Midland, Indian Government, Natal, Cape Government and other Railways; also Locomobile Co., of America, Reading-Milwaukee Steam Road Carriages, Shippey Bros., Ltd., Vickers, Maxim & Co., Ltd., London, etc.—Liverpool Journal of Commerce, May 15th—We yesterday had an opportunity of inspecting and testing the new form of ventilation for ships, railway carriages, houses, etc., and were much struck by the efficiency which they possess. For ship's purposes we were shown a ventilator which should command general approval. The ones introduced by the Acme Company appear to be a distinct step in advance. We have seen many kinds of ventilators for railway carriages, but somehow the majority of them fail to purify the mephitic odour of the average smoking carriage. Who does not know the abominable smell that always lingers around the smoking carriages? So far as we can judge, the Acme Company effectually grapple with this

Marshall's
'Belsize' Car

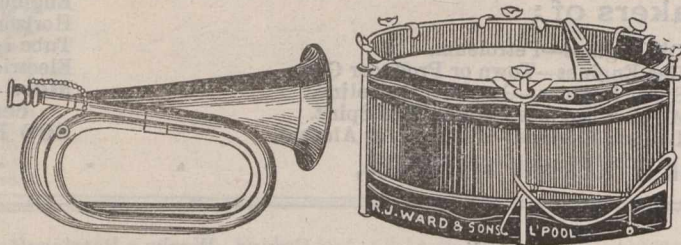


Two Cylinders.
12 h.p.
14½ cwts.
—
No Chains.
No Belts.
—
Unrivalled Hill
Climber.
—
Send for par-
ticulars.

Marshall & Co.

Belsize Works. CLAYTON, MANCHESTER, ENGLAND.

R. J. Ward & Sons,

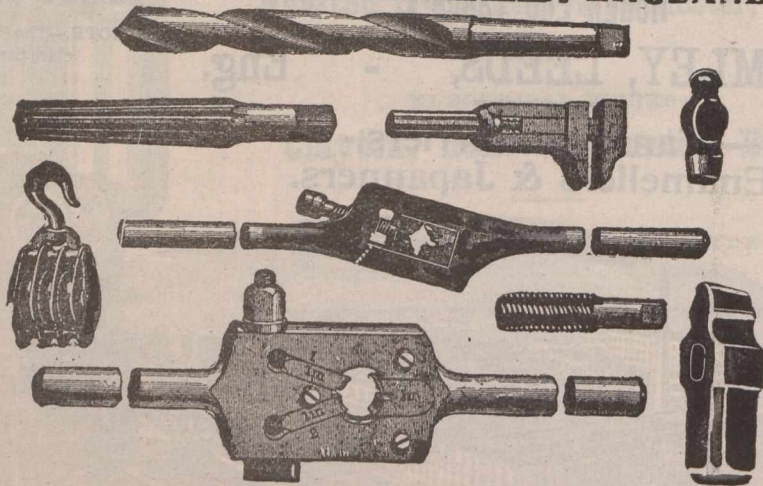


Military Musical Instrument Manufacturers.

Wholesale Importers
and Exporters of—

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

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



SPECIAL NOTE.—Buyers have 33⅓ per cent in their favour by purchasing from The Makers and Inventors in England under the new Canadian Preferential Tariff.

Alexander Oldham & Sons,

Johnson Brook Patent Piston Works,
and Engineering Works

DUKINFIELD,
ENGLAND.



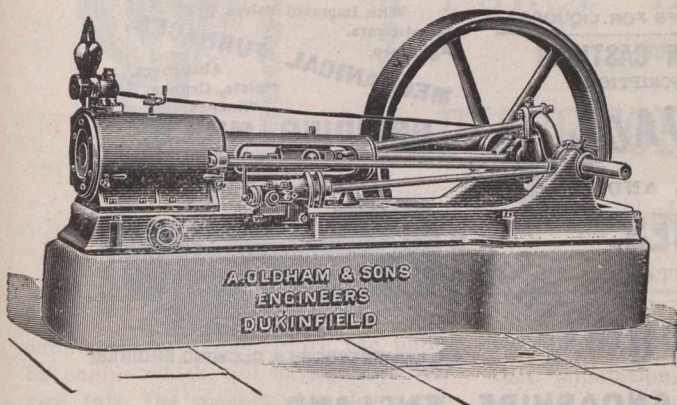
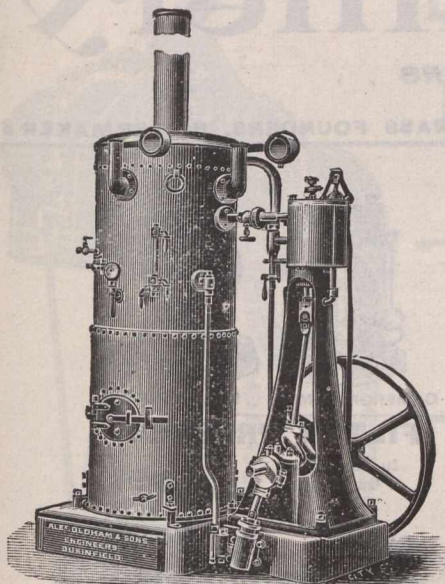
MAKERS OF

Vertical & Horizontal Steam Engines,

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

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

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



question.—(G. Herbert Little, Certificated Naval Architect, Marine Surveyor, Master Mariner, &c., Editor.) — From Robt. Love, The Vicarage, Great Crosby.—“It gives me the greatest pleasure to testify that the Acme Patent System of Ventilation, which you fixed in our church last year, as well as your excellent heating apparatus, have proved a great success, and gives much satisfaction. They have contributed greatly to the comfort of the church, both in hot and cold weather. There is a freedom from down draught and, so far as appearances go, both systems are far from being unsightly in any respect.”—“I have pleasure in endorsing the Rev. R. Love’s remarks.”—W. C. Green, Churchwarden.—From C. A. Park, London & North-Western Railway, Carriage Department, Wolverton Station.—“The three Acme ventilators I had from you have done very well up to the present. To enable me to give them a more extended trial I enclose order for two dozen more.”—From George Pearce, Ebenezer Primitive Methodist Chapel, New Clee, Grimsby.—“I am sorry I did not see you when you were at Grimsby on Friday. I should like to have testified to you personally, the great satisfaction your ventilation has given, in which the Acme exhaust ventilators are used. The money is well spent, and it would be well if all public places were in the same condition as to ventilation as the Ebenezer Chapel and Infants’ Schoolroom. We have not opened a single window for the sum-

mer, and the thermometer has never been higher than 65 deg. It is a most agreeable and healthy change for the church and congregation. You are at liberty to make what use you like of note.”—Ventilators suitable for other structures, smoke cures, or heating by hot-water pipes, of carriage drying sheds, signal boxes, railway stations, &c., apply for other lists.

DIA’S PATENT WATERPROOF PAPER CABLE.

Patent No. 11,447.

In the many years for which lead covered paper insulated cables have been before the public, one fault which has worried countless electricians is that if some water by any chance penetrate to the paper the insulation resistance at once drops to a very low figure; indeed so sensitive is the insulation that actual water is not necessary, a little dampness will do the damage.

A waterproof paper cable has seemed for years an unapproachable ideal, but this same ideal has now been realised by the St. Helen’s Cable Co., Ltd., who are now putting on the market Dia’s Patent Waterproof Paper Cable. Every single length of this cable is tested in water before lead covering. It must be perfectly obvious that what may be called the pinhole fiend is robbed of all its terrors, as the cable is quite undisturbed by what has up till now been a ubiquitous cause of

break down. As a matter of fact it will work perfectly well with a torn lead sheath. Dia’s Patent Waterproof Paper Cable may be drawn into pipes, or laid down on the solid system without lead covering, should the engineer so desire, the St. Helen’s Cable Co., Ltd., being prepared to guarantee Dia’s Patent Waterproof Paper Cable against breakdowns due to bad workmanship or material. The St. Helen’s Cable Co., Ltd., will be very pleased to give further particulars to any engineer who is desirous of the same, and have a sample length at their works which they will exhibit at work and under test in water, without lead covering, to any responsible person who desires to see it.

A highly successful test of this cable was recently carried out by Mr. Wordingham, of Manchester, who is well known in Great Britain as an electrical engineer of high standing. A 220-yard length of 19-16, after having been soaked in water for 46 hours, was tested by him with 5,000 volts, alternating current, for half hour without any signs of breakdown. The pressure was then raised until the cable broke down at between 18,000 and 19,000 volts. A short piece was then cut off, and bent three times each in opposite directions round a drum, the diameter of the barrel of which was 7½ inches.” After this severe test the piece was again immersed in water, and the testing pressure applied; this piece broke down at 14,000 volts. The particular length tested was not lead

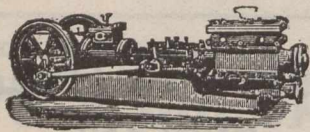
Telegrams : "NEILL, ST. HELENS."

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

Soap Machinery

. . BONE AND TALLOW DIGESTERS . .

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



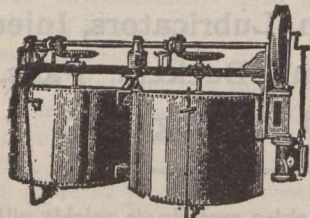
SOAP, OIL, AND TAR SPECIAL PUMPS.

SOAP PANS, TANKS,
With all Fittings.
HOISTS.
SWIVELS.

STEEL SOAP FRAMES
The Best
in the Market.
CRUTCHING MACHINES

New Bar-Cutting and
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Machines

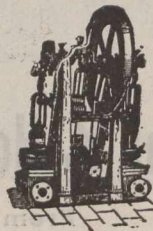
MILLING MACHINERY
Hand and
Steam Stamping
Machines with Dies.
GLYCERINE PLANT,
With Fire or Steam Evaporation.



CRUTCHING MACHINES.

SOAP
COMPLETE PLANTS
CHEMICAL

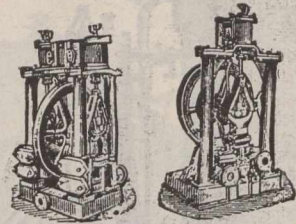
All on Newest Design.



VERTICAL FRAME PUMPS FOR LIQUORS.

BRASS AND IRON CASTINGS
OF EVERY DESCRIPTION.

DRIVING, VACUUM,
VERTICAL AND
ENGINES.
HORIZONTAL
BLOWING, PUMPING,



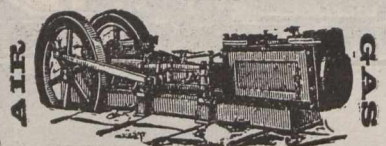
CAMERON PUMPS. PILLAR PUMPS.

FILTER PRESSES,
In Cast Iron
or Gun Metal.

CHEMICAL PUMPS,
Pans
and Stills.
NOTED
AIR COMPRESSORS,
With Improved Valves.

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

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



AIR COMPRESSORS & BLOWING ENGINES.

ST. HELENS JUNCTION, LANCASHIRE, ENGLAND.

Chemical Plant

PRICES AND PARTICULARS ON APPLICATION.

Special Prices to Canadians under the new Tariff

covered, but if the extra mechanical protection afforded by lead is required, the company can put on the usual lead sheathing, and in this case the advantage it possesses over ordinary lead covered cable is that if there be a pin prick, or flaw in the lead, or if the lead gets damaged from a pick, the insulation is quite unaffected, and the cable works as well as ever. The St. Helen's Cable Company, Warrington, England, will be pleased to answer any inquiries which the knowledge of this interesting improvement may suggest.

GAS AND OIL ENGINE.

Elsewhere in our pages is shown a cut of the above-named engine, manufactured by Mr. John Robson, at Shipley, Yorkshire, England, who is desirous of having the Canadian trade acquainted with the merits of his production. These engines are designed to combine the greatest possible simplicity of construction that is consistent with efficiency, durability, and economy of working. — Oil Engines have been Mr. Robson's close study for years, and having carried out a long series of experiments, he is able with

Established 1779.

Telegraphic Address : " ANNE COWBURN."

ANNE COWBURN,

—Carriage Builder—

AND

Harness Manufacturer,

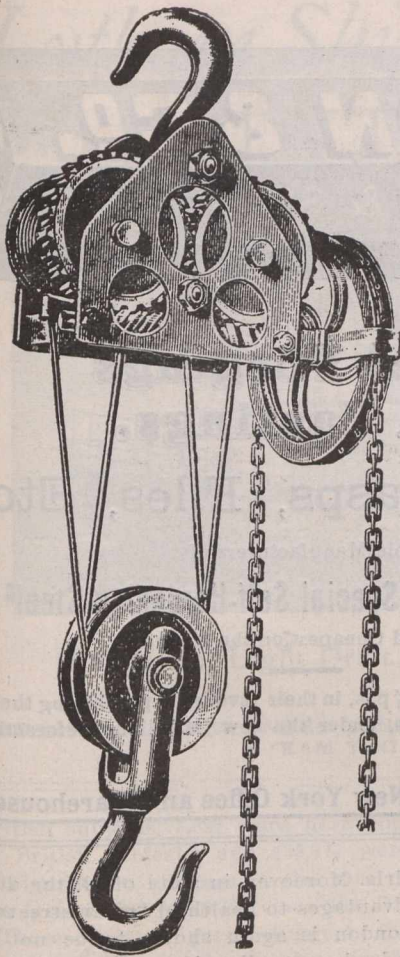
MOTOR CARS A SPECIALITY.

Park Place, Cheetham Hill Rd., - MANCHESTER, Eng.

Electric Cars pass every 3 Minutes. 5 Minutes walk from Exchange or Victoria Stations. Covered Railway Carriage Truck for use of Patrons.

Pneumatic Tyres & Improved Solid Rubber Tyres Fitted to Carriages at Reasonable Prices.

Canadians can buy these carriages, under the New Tariff, 38 1/2 p.c., in their favour by purchasing in Manchester, from this firm.



Lifting Tackle

FOR ALL PURPOSES.

Cranes, Sheave Blocks,
Crabs, Pulley Blocks.

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

confidence to bring before the public an engine which, not having been hurried into the market, has been subjected to, and successfully carried out tests under all possible conditions.— No lamp required after starting. — The engine is perfectly balanced and runs equally well at varying loads.— No attention required beyond oiling and cleaning. — Simplicity and few working parts are special features.— Safe, simple and silent.—The consumption of oil is in relation to the power developed. Sole maker: John Robson, Shipley, Yorkshire. Special terms under new Canadian preferential tariff.

CURIOUS DETAILS OF LONDON CENSUS.

Residents in London, who are interested in their place of residence, its

complicated social problems, and its vast population, to which so many foreign nations make contributions, find the latest blue-book relative to last year's census a fascinating study. It is a most intimate document, although its tables may have a forbidding appearance. It tells of every Londoner's place of birth, age, and occupation, and condition, and even records the number of husbands, on the one hand, and wives, on the other, whose spouses were absent on the night on which the return was made, though the Registrar-General, in noting that there were 47,301 husbands wifeless, and 63,035 wives husbandless, does not suggest that all these cases represented domestic tragedies.

Nearly two hundred pages of facts for Londoners are set forth in effective contrast, and he who will may from these pages learn much of the bustling city. It is no mean city, or

Wholesale Grocery Stock for Sale.

VICTORIA, BRITISH COLUMBIA.

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

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

The highest or any tender not necessarily accepted.

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

ARTHUR ROBERTSON,
6 Bastion Square, Victoria, B.C.
Assignee,

rather administrative country. It comprises:

Seventy-four thousand eight hundred statute acres.

Fifty-eight Parliamentary constituencies.

Twenty-eight metropolitan boroughs, excluding, of course, the city.

Fifteen petty sessional divisions.

Six hundred and eleven ecclesiastical parishes, in the dioceses of London, Rochester, or St. Albans.

Four million five hundred and thirty-six thousand five hundred and forty-one persons, or nearly five times as many as a century ago.

It may interest the curious to learn that the smallest parish is St. Albans, London Wall, with 29 inhabitants, while Lambeth Palace, with its 37 residents, is in the diocese of Canterbury, so that Dr. Temple is still in his own ecclesiastical area when residing in London.

London is not growing as rapidly as it was, because near the centre private houses are becoming shops, other residential buildings are giving place to offices, and the population is being driven ever outward into the more distant suburbs.

In recent years London has been most energetically pushing its borders outward, covering fields with bricks and mortar, and transforming rural lanes into formal, well macadamized roads, lined with villas. Consequently "Greater London" now includes many parishes which are still counted for local government purposes as belonging to the Counties of Surrey, Kent, Essex, and Hertford.

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

GOLD MINERS DRILL STEELS

HOBSON, HOUGHTON & CO.SUCCESSORS TO FRANCIS HOBSON & SON
SHEFFIELD, ENGLAND.MINERS
HAMMERS
& PICKS

Sole Manufacturers of

HOBSON'S "CHOICE"
(XX) Extra Best & "Warranted" Best**Cast Steels,**
FOR TOOLS, &c., &c.HOBSON'S "CHOICE" Extra Quality NEEDLE WIRE,
as supplied to leading consumers for 90 years, in the
United States of America.

Specialty for Machine or Hand Drilling.

Established upwards of 100 Years.

**Steel Forgings
And Castings.**

Horse Rasps, Files, Etc.

Sole Manufacturers of

"SOHO" Special Self-Hardening Steel

Best and Cheapest on the Market.

Canadians have 33½ p.c., in their favour, by purchasing these
English goods from us, under the new Canadian Preferential
Tariff.

New York Office and Warehouse.

This area of 443,419 acres, has a population of 6,581,372 persons, an increase of nearly a million—947,000, to be exact—in the previous ten years, roughly one-third coming from within, and two-thirds from outside districts. As is pointed out:

"In the city of London and six of the central metropolitan boroughs the enumerated population showed an actual decline of over 67,000 in the ten years, notwithstanding the recorded excess of births over deaths in that period amounted approximately to 70,000. In these central boroughs, with one exception, a decrease of population has regularly occurred during the last four intercensal periods, and has been due in great measure to the transformation of dwelling houses into warehouses, offices, and business premises. This centrifugal dispersion of town population is, however, shared by all great, old and prosperous cities."

On an average each of the 1,019,546

ramines in the County of London—not "Greater London," to which the figures do not apply—number rather over 4.4 persons each, while the females are shown to exceed the males by over a quarter of a million, and this disproportion is on the increase. For whereas, ten years ago there were 1,116 to every 1,000 males, there are now 1,118. Excluding hotels and lodging houses, these households employ 15,425 males and 234,398 female servants, or one and a half to every hundred families of the former and twenty-three of the latter. These figures suggest that if every house were to have its proper proportion of service a painful, if not fatal system of decimation would have to be practiced. Hampstead and Kensington give most employment to servants.

Included in these million-odd households are rather less than a similar number of children of from three to fourteen years of age—968,007, of whom 481,060 are boys and 486,946

girls. Moreover, in spite of all the disadvantages to health of "mean streets" London is again shown to be not a bad place to live if one would live long, if not merrily. The number of persons seventy-five years old and upward is 52,679, and of these 18,776 are males and 33,903 females. At the extreme ages the excess of females is still more marked, and of those who claim to be aged one hundred years and upward nineteen are females and five males. London should be proud of its twenty-four centenarians. As to the place of birth of London's millions, the Registrar-General records:

"Of the 4,536,541 persons enumerated in the County of London, 3,016,580 were natives of London; 35,421 were born in Wales and Monmouth, being an increase of 4,129 since 1891; 56,605 in Scotland, an increase of 3,215; 60,211 in Ireland, a decrease of 6,254, and 33,350 in British colonies or dependencies. Persons of foreign birth numbered 161,222, and of these 20,224 were

Irwell Rubber Co., Limited.

MANCHESTER, - - ENGLAND.

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

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

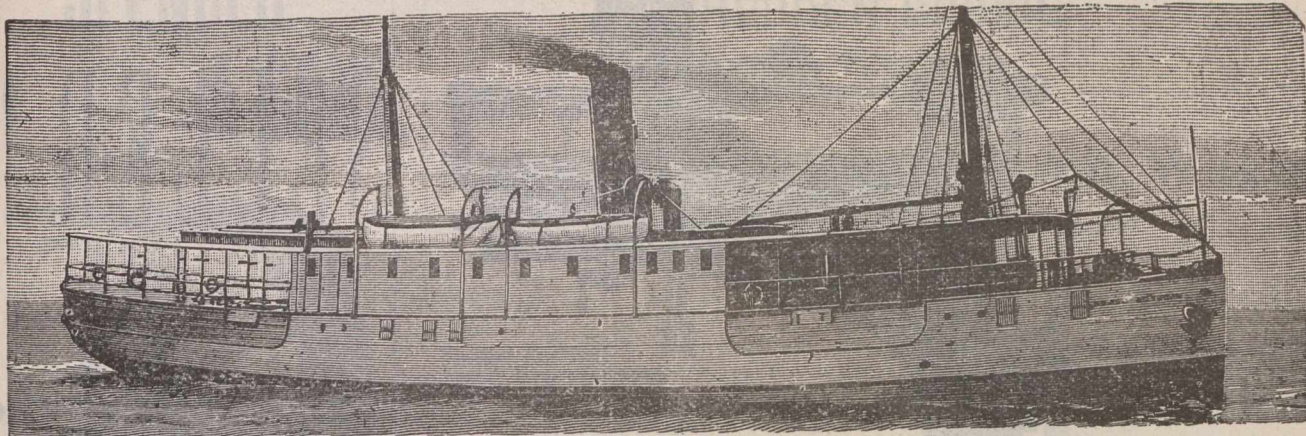
Solid and Insertion Sheets, Valves, Buffers, Washers for Steam and Water Joints, Rubber Belting, Hose of all kinds, Solid Rubber Tubings, Packings, of every description, Matting, Roller Covering, Fruit Jar Rings, &c., &c.

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

Special rates under the new Canadian Tariff. Enquiries invited.

Lytham Shipbuilding & Engineering Co.

LYTHAM, ENGLAND.



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

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

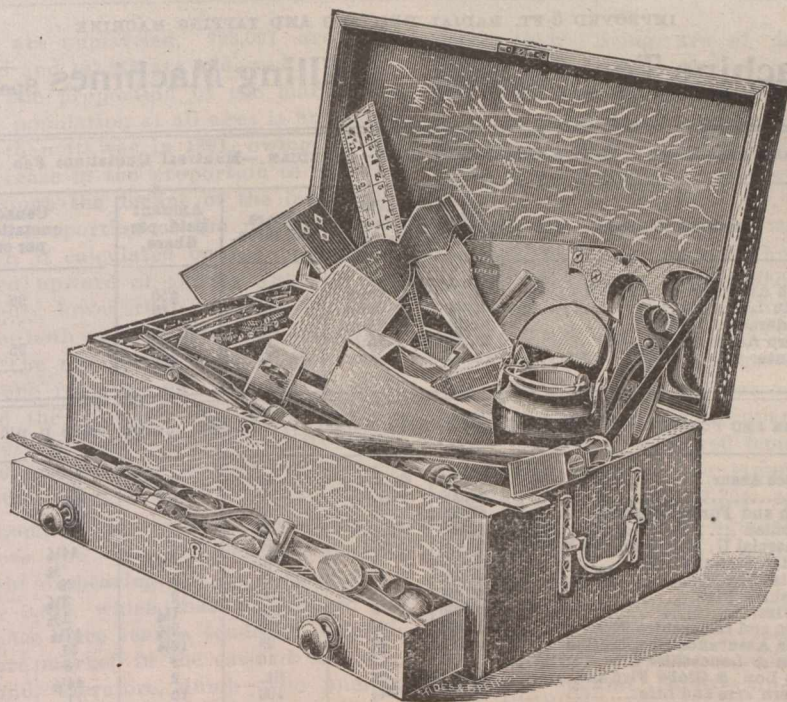
British subjects, 5,621 were naturalized British subjects, and 135,377 were foreigners, an increase in the case of the last named of 40,324 since 1891."

These census figures suggest the question: "How does London live?" And the official reply is not without interest in view of the increasing demand for houses for the working classes, and is reassuring, since there is a decline in the huddling together of poor people in single rooms. It is stated:

"The total number of separate tenements, which had been 937,606 in 1891, rose to 1,019,546, the increase being equal to 8.7 per cent. Of this total the tenements containing five or more rooms increased from 307,037 to 347,516, equal to 13.2 per cent., while the increase of those with less than 5 rooms was from 630,569 to 672,030, and did not exceed 6.6 per cent. The rate of increase in the larger tenements was, therefore, exactly double that shown in the smaller tenements. Stated in another way, the tenements with five or more rooms were equal to 32.7 per cent. of the total tenements in 1891, and to 34.1 per cent. at the recent census, while the percentage of the tenements with less than five rooms declined from 67.3 to 65.9. The reduction in the number of the latter class of tenements was most strongly marked in the tenements of one room, which declined from 172,502 in 1891 to 149,524—that is, from 18.4 per cent. of the total tenements to 14.7 per cent. It may further be pointed out that the

James Needham

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



CITY OAK WORKS,
BROWN ST. SHEFFIELD,
And SHOREHAM ST., ENGLAND.

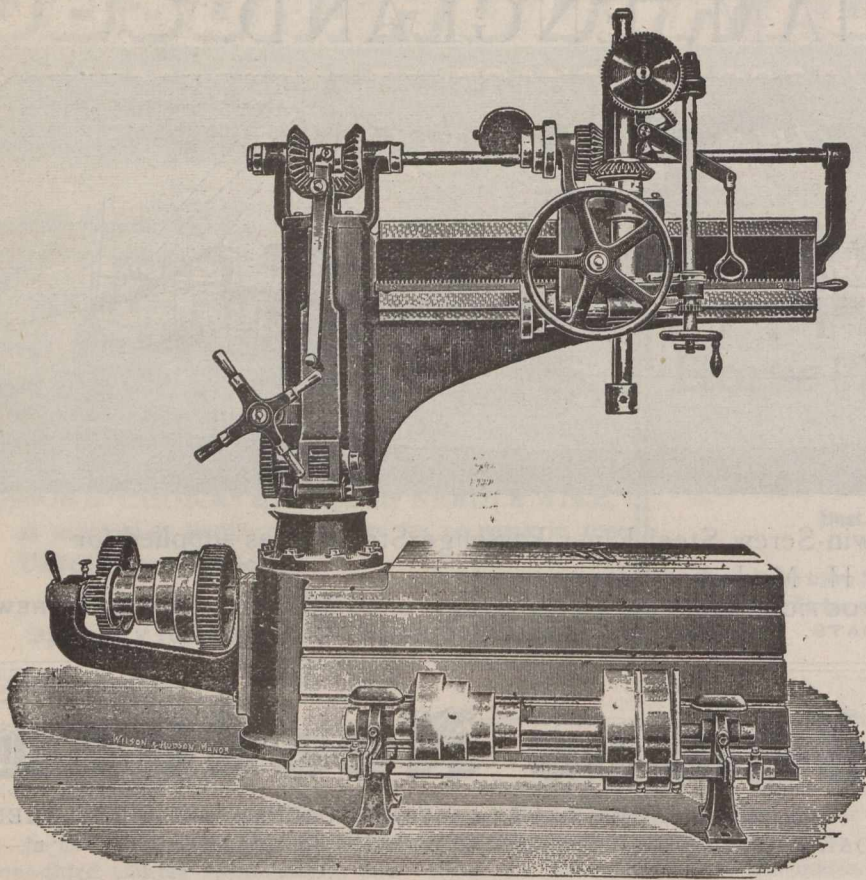
TAYLOR & WATKINSON,

Leads, Clumps and Metal Furniture,

Peter's Yard, Kirkgate, Leeds, Eng.

GEORGE SWIFT,

Claremont Iron Works, HALIFAX, ENGLAND.



IMPROVED 5-FT. RADIAL DRILLING AND TAPPING MACHINE

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

STOCKS AND BONDS—INSURANCE COMPANIES—CANADIAN.—Montreal Quotations Feb. 24, 1902.

NAME OF COMPANY.	No. Shares.	Last Dividend per year.	Share par value.	Amount paid per Share.	Canada quotations per ct.
British American Fire and Marine	15,000	3½-6mos.	150	\$50	98
Canada Life	2,500	5-6mos.	400	50	....
Confederation Life	10,000	7½ 6mos.	100	10	....
Western Assurance	25,000	5-6mos.	40	20	95
Guarantee Co. of North Amer ca.	13,372	5	50	50	....

BRITISH AND FOREIGN.—Quotations on the London Market Feb. 15, 1902 Market value p. p'd up sh.

Alliance Assur.	250,000	8s. p.s.	20	2 1-5	10	10½
Atlas	24,000	24 p.s.	50	5	27	228
British and Foreign Marine	67,000	25	20	4	19	20
Caledonian	21,500	12s. p.s.	25	5	5	28½
Commercial U. Fire, Life and Marine.	50,000	27½	50	5	44½	48½
Guardian Fire and Life	200,000	9	10	5	1½	9½
Imperial Fire	60,000	25	20	5	29	30
Lancashire Fire	133,493	5	20	2	3½	3½
Lion Fire	100,000	3	10	1½	1½	1½
London and Lancashire Fire	85,100	22	25	2½	17½	18
London Assurance Corporation	35,362	20	25	12½	51	53
London & Lancashire Life	10,000	10	10	2	8	8½
Liv. & Lon. & Globe Fire and Life	391,752	90	St.	2	44½	45
Northern Fire and Life	30,000	*22½	100	10	71	73
North Brit. & Merc. Fire and Life	110,000	30s. p.s.	25	6½	36	37
Norwich Union Fire	11,000	*33½	100	12	104	107
Phoenix Fire	53,776	35	50	5	33½	36½
Royal Insurance Fire and Life	125,224	58½	20	5	48	49
Sun Fire	240,000	8s 6d p. s.	10	10	10	10½
Union	45,000	18 p.s.	10	4	18	15

*Excluding periodical cash bonus.

number of single room tenements in which more than two persons were enumerated declined from 56,622 to 40,762, while the number of one-roomed tenements with six or more inmates on the census night declined from 4,097 to 1,802. The tenements of two rooms showed a slight and those of three and four rooms a marked increase upon the numbers returned in 1891."

The Registrar-General has the satisfaction of recording that there were 730,062 households on the night of the census with both their heads, while he prints some interesting figures as to the marriage state of London's huge population:—

"Of the males, 1,292,594 are unmarried, 777,363 are married, and 72,128 are widowed. Of the females, 1,403,-

A BIG SELLER!!

Everyone in the Trade should stock them.



KING'S OWN CARAMELS



8 a

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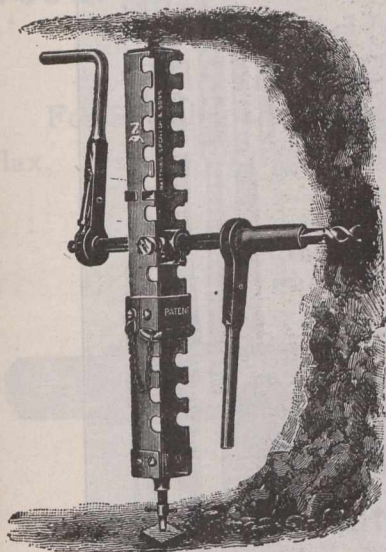
Manufactured Solely by The

Lancashire Steam Confectionery Co.,

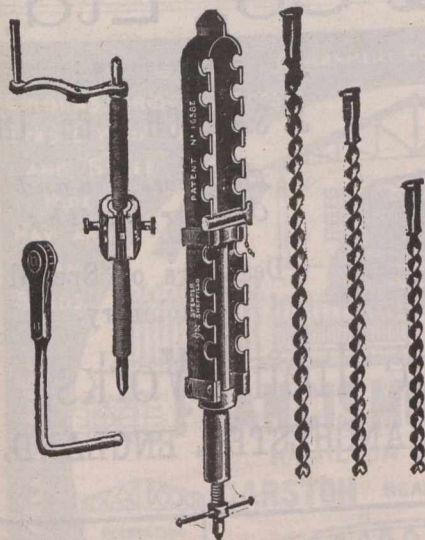
LIVERPOOL, England.

Special prices to Canadians under the new tariff.

MATTHIAS, SPENCER & SONS,



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



Ratchet Handle charged extra.

Albion
Steel
Works,
SHEFFIELD, ENGLAND.

Telegrams:—MYTHOLM MILL,
Hebden Bridge, England.

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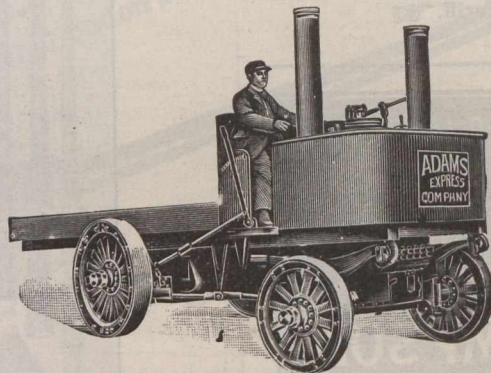
Mytholm Steam Wagon Co.

HEBDEN BRIDGE,
Yorks, England,

Makers of the
"Mytholm" Patent Steam Wagon,
For Rapid and Economical Transport
of Heavy Goods.

Special Features.
Latest Improvements.

Prices and Particulars on Application to
Sole Makers.



Will carry up to 5 Tons.

842 are unmarried, 793,097 are married and 197,517 are widowed.

"The proportion of the married to the population at all ages is now higher than it was in 1891, owing to the decrease in the proportion of children through the decline of the birth rate. The proportion of the married, however, if calculated on the population aged upward of twenty years is distinctly lower than it was ten years ago, both among males and females.

"The number of males under twenty-one returned as married is 2,809, and the number of females 10,529. There are also twenty-one widowers and seventy-three widows under twenty-one years of age."

London has its due proportion of those who are crippled by loss of sight or hearing. Of the former there are 3,556, which marks a slight decrease since 1891, a tendency which is more marked in the case of the deaf, and, therefore, dumb—who number 2,057. About a quarter of the former, so great have been the strides made in the instruction of persons thus afflicted, are able to engage in some occupation, while half of the deaf are in a similar fortunate position.

Of the blind, 122 were workers in willow, cane or rush, 90 were musicians, 76 costermongers, 49 brush or broom makers, and 45 musical instrument makers or tuners.

Of the deaf and dumb, 94 were tailors, 72 boot and shoe makers and 71 dressmakers; 55 were engaged in laundry and washing service, 44 were domestic indoor servants and 40 bookbinders.

Details of the methods by which the people of London make—or do not

make—their living are of interest, and it appears that 82.8 per cent. of the males over ten years old attempt to earn a subsistence, and no less than 38.4 of the females; in the latter case there is an increase of one per cent., which is hardly surprising in view of the invasion of the business world by women, 76.3 per cent. of whom are unmarried. Some figures are given:

"Of the 719,331 females over ten years of age engaged in occupations, 548,721, or 76.3 per cent. are unmarried, and 170,610, or 23.7 per cent. are married. Among the occupations in which married or widowed females are principally engaged are laundry and washing service, with 27,304—of whom 7,604 work 'at home'—against 20,158 unmarried; charwomen with 21,624 married, against 4,327 unmarried; dressmakers, milliners, stay-makers, shirtmakers, and seamstresses with 24,818 married—of whom 14,605 work 'at home'—against 80,700 unmarried, and 11,567 tailors married—of whom 4,572 work 'at home'—against 21,547 unmarried; 2,381 girls between ten and fourteen years, and 5,876 boys of the same age work for their livings"

FOUNDATION OF INDUSTRIAL SUPREMACY.

That the manufacturing classes in the United States are proving their capacity for speed and accuracy is not only being admitted by the manufacturers of other countries, but it is really giving to the people of the United States an amount of praise while not out of proportion to its

"PIONEER"
GOLDEN FLAKE
CAVENDISH TOBACCO.

MADE IN LIVERPOOL, ENGLAND.

TRADE PRICE:

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

"Order direct or through your jobber."

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

Special prices to Canadians under the
 new Tariff.

JOHN SWALES & SONS, Ltd.
 MAKERS OF
PAPER TUBES,
SPOOLS & BOBBINS,
 For Cotton, Silk, Worsted, Woolen, Linen, Flax, Hemp, Jute and Tow Spinners,
 Manufacturers, Yarn Dyers, Winders, Doublers, Thread
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PATENT PAPER PERFORATED & SPECIAL TUBES & SPOOLS
 FOR BLENDING AND CO. DESIGNING.
 PERFORATED TUBES on R. JAGGER & Co.'s Patent System.
CANNETTES, PAPER FIRMS
Patent Conical and Parallel TUBES and SPOOLS
 For Fine Yarns and Cottons.
OLDEST MAKERS OF PAPER SPOOLS & BLOCKS
 FOR SPINNING.
COMPRESSED PAPER BOBBINS OF ALL KINDS
 FOR MILL PURPOSES.
 For Ring, Spool, and Ring Frames, Worsted, Trawling,
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SPECIAL WARPING BOBBINS for Exporting Yarns, TWISTS, &c.
PAPER TAP SLEEVES for Brown, &c. BRASS & WIRE SPINDLE RINGS.
Sole Makers of SWALES' PATENT TUBING APPARATUS.
 (EITHER PERMANENT OR PORTABLE).
 With a view to the most rapid and economical production of
 the most Expeditious & lasting Tubes from the spinning
 of Yarns, Twists, and other Materials.
 Manchester Royal Exchange Telephone "TRADING, Oldham"
 No. 10 Fife St., Oldham. All Communications are to be
 addressed to the Works.
Oldham Cop Tube Works,
MOORHEY, OLDHAM,
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ESTABLISHED 1878
THOMPSON'S PEARLINE REGISTERED
J. R. THOMPSON
 MANUFACTURER OF HIGH CLASS
ROLLER COMPOSITION & TYPEWASH
 ROLLERS cast on most reasonable terms,
 A LARGE STOCK OF SUPERIOR
LYE BRUSHES always on hand.

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

WORKS: - HIGH COURT LANE, LEEDS

England

justness is altogether out of place as to where it should be bestowed. It is the system, rather than the men that is at fault in other countries. This is proven at once by Canadians who on going to the States quickly climb to top place, whether in industrial or commercial pursuits. An American writer thus views the matter:

In its generalizations in regard to the development of manufactures, the Industrial Commission has made a contribution of some value to the discussion of the labor question. Take these two somewhat obvious, but no less neglected, axioms of industrial economics: "The more generally and effectively the manual labor of the world is aided and directed by brain the higher is its efficiency. The more generally machinery, and especially automatic machinery, can be made to reinforce producers and distributors of wealth, the higher is the efficiency of wealth production." Here in a nutshell is the secret of the superior productiveness of American labor, to which testimony has been so copious-

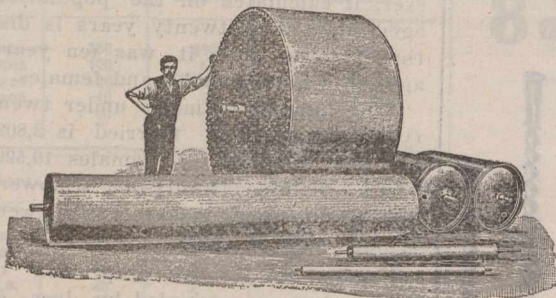
Telegraphic Address:—"DAZZLE, MANCHESTER." A.B.C., Code.
Donovan & Co., Ltd.,

Successors to

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Engineers, Tin and
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D. & S. Electrical Accessories.
CIRCUIT BOXES

—with—

D. & S. Patent Damper
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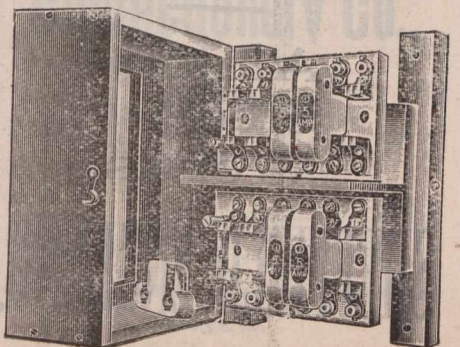
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HEAD OFFICE AND WORKS:

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ALSO: Charing Cross Road, LONDON, W. C., Eng.
 ALSO: 58 Margaret Street, SYDNEY, N.S.W.



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
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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.

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GOVERNMENT CONTRACTORS.

GIRDERS, BRIDGES, ROOFS, STAGES, WROG. IRON AND STEEL, PIPES, HAY AND CORN SHEDS.

IRON BUILDINGS, FLOORING BUILDERS IRON AND STEEL WORK, PIERS, BARGES, TANKS.

AREA 103 ACRES.

FRANCIS MORTON & CO^{LTD}

HAMILTON IRON WORKS
GARSTON NEAR LIVERPOOL.

PETROLEUM TANK, C.I. TANK, RADIAL DRILLS FOR BRIDGE WORK, LONDON OFFICE (7, VICTORIA STREET WESTMINSTER S.W.)

RICK COVERS, GRANARIES, WIRAILINGS, GATES, WIRE AND UNCLIMBABLE FENCING OF ALL DESCRIPTIONS.

CAPACITY OF OUTPUT 30,000 TONS ANNUALLY.

LIGHT & HEAVY CASTINGS, BLAST FURNACE CASINGS, HOT BLAST STOVES, VALVES & RADIAL DRILLS.

ly borne by foreign observers. It is some years since the immense strides we were making in the iron and steel industry began to attract attention abroad. Seeking for explanations of this, expert observers in England were first impressed by the advantages which the United States possessed in the abundance of raw material, the ease with which it is mined and the cheapness of transit afforded by the Great Lakes. But closer examination convinced them that American superiority was largely dependent on advantages in which brains and enterprise bore a considerable share. It was found that Americans are never content while anything is done by manual labor which can possibly be done by machinery; that their demand is for workmen with brains, the development of individuality which declines to sink itself in the monotony of mediocrity encouraged by English trade unions. The difference, in short, between English and American workmen was recognized as the difference between the mechanical discipline of the British soldier and the reliance upon individual training and

JOHN STONES,

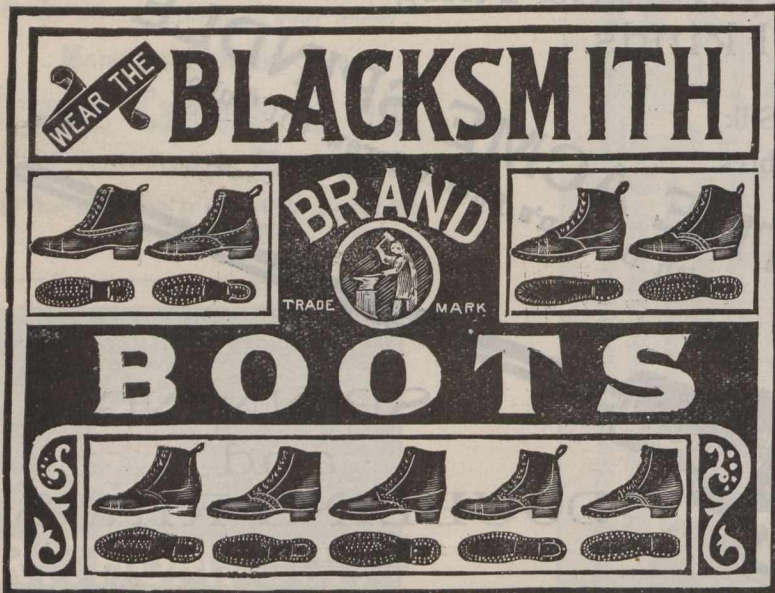
Shiffnall Mill,

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

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

JOHN HALLIDAY & SON

Wholesale and Export Manufacturers
Of Strong and Medium



Men's,
Women's
and
Children's

BOOTS

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

WARRANTED
ALL
LEATHER.

BRAMLEY, LEEDS,
ENGLAND.

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, MARCH 6, 1902.

Name of Article.	Wholesale		
	\$	c.	\$ c.
Drugs & Chemicals			
Acid Carbolic Cryst medl.....	0 25	0 40	
Aloes, Caps.....	0 16	0 18	
Alum.....	1 40	1 75	
Borax, xlis.....	0 04	0 06	
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 00	6 50	
Copperas, per 100 lbs.....	0 75	0 80	
Cream Tartar.....	0 20	0 25	
Epsom Salts.....	1 25	1 75	
Glycerine.....	0 16	0 20	
Gum Arabic per lb.....	0 20	0 40	
" Trag.....	0 50	1 00	
Insect Powder lb.....	0 25	0 40	
do per keg, lb.....	0 22	0 30	
Menthol, lb.....	5 00	5 50	
Morphia.....	1 65	1 75	
Oil Peppermint lb.....	2 75	2 50	
Oil Lemon.....	1 25	1 50	
Opium.....	3 75	4 00	
Oxalic Acid.....	0 06	0 09	
Phosphorus.....	0 50	0 75	
Potash Bichromate.....	0 08	0 10	
Potash Iodide.....	3 00	3 40	
Quinine.....	0 35	0 45	
Strychnine.....	0 65	0 80	
Tartaric Acid.....	0 30	0 35	
Licorice.—			
Stick, 4, 6, 8, 12, & 16 to lb., 5 lb. boxes.....	2 00	0 00	
Acme Licorice Pellets, cans.....	2 00	0 00	
Licorice Lozenges, 1 5 lb. cans.....	1 50	0 00	
Heavy Chemicals.			
Bleaching Powder.....	2 00	3 00	
Blue Vitriol.....	4 75	6 75	
Brimstone.....	2 00	2 50	
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	
Cutch.....	0 06	0 09	
Ex. Logwood.....	0 09	0 12	

intelligence which is recognized as necessary in other armies. English workmen who go to America are required to show a mental alertness to which they are quite unused, and find it necessary to do their best, instead of conforming to the restrictive rules of the unions, which require them to do no better than the average. In fact the conclusion was forced upon British students of this question that their workmen, like the masters, were agreed in thinking that what has done in the past will do very well in the future, and that the chief meaning of progress is to enable them to get along with even less effort than before.

A correspondent of the London Times, who made a tour of the United States about two years ago, was impressed at every turn with the contrast between English and American theories of the discipline of labor. At home he had found the Amalgamated Society of Engineers attaching penalties to the asking for or taking work by contract or piecework. In nearly every engineering factory he visited in this country he found the system of piecework followed to the fullest extent possible. Among its results he noticed that the men were spurred by ambition; they felt the reward of exertion. The more they made the more they wanted to make, and instead of being checked by popular opinion, or the feeling of the shop being against hard work, the best work-

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, MARCH 6, 1902.

Name of Article.	Wholesale.		
	\$	c.	\$ c.
Chip Logwood.....			
Indigo (Bengal).....	1 75	2 50	
Indigo Madras.....	1 50	1 75	
Gambier.....	0 70	1 00	
Madder.....	0 07	0 08	
Sumac.....	0 09	0 12	
Tin Crystals.....	60 00	65 00	
" ".....	0 28	0 30	
Fish.			
Bloaters, per box.....	1 00	1 25	
Labrador Herrings, N.F.....	0 00	0 00	
Herrings, Nova Scotia.....	0 00	5 30	
Mackerel No. 2, brls.....	0 00	12 50	
" " 1/4 barrel.....	6 00	6 50	
Green Cod, No. 1.....	7 00	7 50	
Green " large.....	0 00	8 00	
No. 2.....	5 00	5 50	
Large dry Gaspe per qntl.....	5 00	5 25	
Salmon, brls Lab.....	11 50	14 00	
Salmon, (half bats).....	0 00	0 50	
" Brit. 50l brls.....	11 50	12 00	
Boneless Fish.....	0 04	0 00	
" Cod.....	0 05	0 06	
Skinless Cod, case.....	5 00	5 50	
N. S. Salt Herrings, in half-barrels.....	0 00	3 00	
Salt Lake Trout, half-brls.....	0 00	0 00	
Salt Whitefish.....	0 00	0 00	
Loch Fyne Herrings, keg.....	1 10	1 15	
Flour.			
Winter Wheat patents.....	4 00	4 10	
Manitoba patents.....	0 00	4 10	
Straight roller.....	3 85	3 80	
do bags.....	1 75	1 85	
Strong Bakers.....	0 00	3 80	
Superfine.....	0 00	0 00	
Rolled Oats.....	5 40	5 50	
Corn meal, bag.....	1 50	1 55	
Bran bulk.....	18 00	19 00	
Shorts.....	20 00	21 00	
Mouille.....	24 00	27 80	
Farm Products.			
BUTTER: Choicest Cr.....	0 21	0 22	
Winter makes do.....	0 20	0 21	
Townships Dairy.....	0 17	0 17	
2nd Grade ".....	0 00	0 00	
Western ".....	0 14	0 16	
Good to choice.....	0 18	0 15	
Fresh Rolls.....	0 17	0 18	

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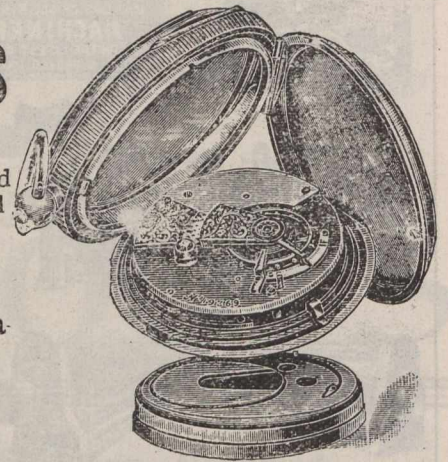
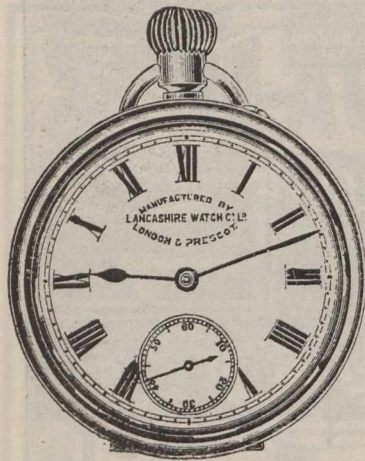
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MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, MARCH 6, 1902.

Name of Article.	Wholesale.		
	\$	c	¢
Hardware.—Con.			
Cut and Fence Nails—			
16 and 20d Hot Cut, per 100 lbs.	0 05	0 00	
10 and 12d " " " "	0 10	0 00	
8 and 9d " " " "	0 15	0 00	
6 and 7d " " " "	0 30	0 00	
4 and 5d " " " "	0 40	0 00	
3d " " " "	0 65	0 00	
2d " " " "	1 00	0 00	
Cut spikes 10c, per Keg advance.			
Fine blued nails—			
2d per 100 lbs.	1 00	0 00	
3d " " " "	1 50	0 00	
Casing, Box, Tobacco Box and Flooring Nails—			
20 to 30d per 100 lbs.	0 55	0 00	
10 to 16d " " " "	0 60	0 00	
8 and 9d " " " "	0 65	0 00	
6 and 7d " " " "	0 70	0 00	
4 to 5d " " " "	0 95	0 00	
3d " " " "	1 20	0 00	
Finishing nails—			
3 inch and longer per 100 lbs.	0 60	0 00	
2½ and 2¼ inch " " " "	0 65	0 00	
2 and 2½ " " " "	0 70	0 00	
1½ and 1½ " " " "	0 95	0 00	
1½ " " " "	1 20	0 00	
1 " " " "	1 50	0 00	
Slating nails—			
1½ and 1½ inch per 100 lbs.	0 95	0 00	
1½ " " " "	1 20	0 00	
1 " " " "	1 50	0 00	
Common barrel nails—			
1½ inch per 100 lbs.	1 00	0 00	
1 " " " "	1 00	0 00	
¾ " " " "	1 25	0 00	
¾ " " " "	1 50	0 00	
Clinch nails—			
3 inch and longer per 100 lbs.	0 60	0 00	
2½ and 2¼ inch " " " "	0 65	0 00	
2 and 2½ " " " "	0 70	0 00	
1½ and 1½ " " " "	0 95	0 00	
1½ " " " "	1 20	0 00	
1 " " " "	1 50	0 00	
Sharp and flat pressed nails			
3 inch and longer per 100 lbs.	1 35	0 00	
2½ and 2¼ inch " " " "	1 50	0 00	
2 and 2½ " " " "	1 65	0 00	
1½ and 1½ " " " "	1 85	0 00	
1½ " " " "	2 50	0 00	
1 " " " "	3 00	0 00	
Coil Chain—No. 6.	0 11	0 00	
" " " " 5.	0 10	0 00	
" " " " 4.	0 09	0 00	
" " " " 3.	0 09	0 00	
" " " " 2.	0 07	0 00	
¾ inch.	4 35	0 00	
5-16.	4 25	0 00	
¾.	4 25	0 00	
7-16.	4 00	0 00	

restrictive legislation limiting hours and prescribing the conditions of work should be enforced. Perhaps it should be recorded to the credit of the Commission that while throwing a sop to the believers in the theory that the shorter the hours of labor the more work there will be to go round, they deprecate the short-sighted methods by which some of the labor unions have sought to improve the condition of their members. No exception can be taken to the justice of this general statement: "There can be little doubt that in the long run the interests of all classes will best be promoted by making the aggregate production of wealth as great as possible, so long as the workmen are not crowded beyond their strength." It is unquestionably true that any general attempt to reduce the efficiency of American labor would check the progress of our industries and would hamper us in competition with the other great producing nations. The Commission could hardly fail to recognize the fact that the high productiveness of our industries at the present time is as much due to the greater skill and energy of American labor as it is to the superiority of our methods and machinery. That being admitted, it would seem to follow that the American workman may safely be left, without interference from either protective or restrictive legislation, to make his own bargain with his employer. If his superiority primarily consists, as all observers have agreed, in the vigor of individual initiative, it

MONTREAL WHOLESALE PRICES CURRENT
THURSDAY, MARCH 6, 1902.

Name of Article.	Wholesale.	
Coil Chain—No. ¼	\$ 85	0 00
9-16	3 75	0 00
¾	3 65	0 00
¾	3 76	0 00
¾	3 60	0 00
1 in.	3 60	0 00
Galvanized Staples—		
100 lb. box, 1½ to 1¾	3 25	0 00
Bright, 1½ to 1¾	2 90	0 00
Galvanized Iron:		
Queen's Head, } gauge 28	4 40	4 65
or equal. } gauge 28	4 10	4 35
Comet do 28 gauge		
Iron Horse Shoes:		
No. 2 and larger	0 00	3 50
No. 1 and smaller	0 00	3 75
Bar Iron, per 100 lbs.	1 90	1 95
Car lots	0 00	0 00
Norway, base	0 00	4 25
Am. Sh. St'l, 6 ft. x 2½ ft., 18	0 00	2 70
" " " " 20	0 00	2 95
" " " " 22	0 00	3 10
" " " " 24	0 00	3 10
" " " " 26	0 00	3 20
" " " " 28	0 00	3 45
Boiler plates, iron, ¾ in.	0 00	2 10
" " " " 3-16 in.	0 00	2 10
Hoop Iron, base for 2 in. and larger.	0 00	2 90
Band Canadian, 1 to 6 in. 30c 1 over base of ordinary iron, smaller size Extras.		
Canada Plates:		
Full Polish	3 75	
Ord. 52 sheets	2 75	
" 60 do	2 80	
" 75 do	2 85	
Black Iron pipe, ½ in. x 1 in.	2 72	
¾ in.	2 92	
1 in.	3 42	
1 in.	4 85	
1½ in.	6 85	
1½ in.	8 20	
2 in.	11 00	
per 100 ft. nett.		
Steel, cast p. lb., Blk Diam'd.	0 08	base
" Spring, 100 lbs.	2 75	0 00
" Tire	2 20	base
" Sleigh shoe, 100 lbs.	2 10	base
" Toe Calk	2 66	
" Machinery	2 75	base
" Harrow Tooth	2 50	
Tin Plates:		
IC Coke, 14 x 20	4 25	
IC Charcoal, 14 x 20	4 50	
I X Charcoal	5 50	
IX " "	6 50	

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Name of Article.	Wholesale.
Terne Plate IC, 20x24	7 75 0 00
Russ. Sheet Iron	0 10 0 00
Lion & Crown tin'd sh'ts.	0 00 7 00
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 22½ p.c.	7 00 0 00
Lead Pipe, per 100 lbs.	less 35 p.c.
Zinc:	
Spelter, per 100 lbs.	0 00 4 75
Sheet, Zinc "	5 75 6 00
Black Sheet Iron.	
Per 100 lbs.	
8 to 16 guage	2 45 0 00
18 to 20 do	2 40 0 00
22 to 24 do	2 45 0 00
26 do	2 50 0 00
28 do	2 55 0 00
Wire:	
Plain galv'd, No. 5	3 95 0 00
do do No. 6, 7, 8	3 45 0 00
do do No. 9	2 80 0 00
do do No. 10	3 55 0 00
do do No. 11	3 65 0 00
do do No. 12	2 95 0 00
do do No. 13	3 05 0 00
do do No. 14	4 05 0 00
do do No. 15	4 55 0 00
do do No. 16	4 80 0 00
do do No. 17	3 00 f.o.b.
Barbed Wire—	
Spring Wire per 100, 1.25	Montreal.
net extra.	
Iron and Steel Wire pl'n	
6 to 9	2 80 base.
Rope.	
Sisal, base	0 00
" 7-16 and up	0 12
" 3/4	0 12
" 5-16 "	0 12½
" 1/2 "	0 13
" 3-16 "	0 12½
Manilla, 7-16 & lgr.	0 16
" 3/4	0 16½
" 5-16 "	0 17
" 1/2 "	0 17
" 3-16 "	0 17½
Lath yarn	0 10½
Wire Nails.	
Base Price carload	2 50
Less than "	2 55
2d extra	1 00
2d f "	1 00
3d "	0 65
4d and 5d "	0 40
6d and 7d "	0 30
8d and 9d "	0 15
10d and 12d "	0 10
16d and 20d "	0 05
30d to 60d "	Base
Building Paper.	
Tarred felt, per 100 lbs.	1 70 0 00
2 ply, Ready R'f'g, roll	0 95 0 00
" "	1 10 9 00

must be obvious that anything which tends to impair his freedom of action and of choice must tend to make him less of a man and more of a machine. In other words, it is not for us to put on the artificial trammels which have proved so detrimental to the progress of our rivals, and freedom from which has had so much to do with the marvellous material development of which we are enjoying the fruits to-day.

THE CHINESE QUESTION.

Chief among the reasons given by students of the Chinese problem (in relation to their gradual increase in America) why these people should be permitted to enter the United States free is that the ruling classes in China are desirous of having the younger among them learn American methods of business, rather than adhere to the customs of their fathers.

"These students," says a writer in an Eastern paper, "in time will be the real ruling power in China. To-day China is preparing to follow the example set by Japan—to send her young men all over the world to acquire foreign education and ideas and upon returning to enter the Government service. Are we to shut our doors against these young men and send them to every other country but our own to form, in time, an aggregation of intelligent men, with power to do good or ill in the trade with foreign countries? If so, what do we gain? This is the question that surely should be considered.

"It is due as much to this influence, coupled with several acts of kindness and justice rendered to China by the United States and the recognized fact that the United States has no part in the various projects of seizing and occupying a part of China, that places Americans and this country in the best

MONTREAL WHOLESALE PRICES CURRENT.
THURSDAY, MARCH 6, 1902.

Name of Article	Wholesale.
Hides and Tallow.	
Montreal Green Hides	
" No. 1	0 07 0 00
" No. 2	0 06 0 00
" No. 3	0 05 0 00
Tanners pay \$1 extra for sorted cured & inspect'd Sheepskins	0 00 0 00
Clips	0 00 0 00
Lambskins each	0 00 0 10
Calfskins, No. 1	0 00 0 10
" No. 2	6 00 0 08
Horsehides	1 50 2 00
Leather	
No. 1 B. A. Sole	0 27 0 28
No. 2 B. A. Sole	0 25 0 26
No. 3 B. A. Spanish Sole	0 24 0 25
Slaughter, No. 1	0 28 0 29
light medium & heavy	0 28 0 29
" No. 2	0 26 0 27
Harness	0 26 0 32
Upper, heavy	0 34 0 38
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 28 0 35
" heavy	0 17 0 20
" small	0 18 0 20
Leather Board, Canada	0 06 0 10
Enameled Cow, per ft.	0 16 0 18
Pebble Grain	0 12 0 14
Glove Grain	0 12 0 13
B. Calf	0 15 0 20
Brush (Cow) Kid	0 11 0 13
Buff	0 13 0 16
Russsets, light	0 35 0 40
" heavy	0 25 0 30
" No. 2	0 35 0 40
" Saddlers' doz.	7 50 9 00
Int. French Calf	0 65 0 75
English Oak lb	0 30 J 85
Dongola, extra	0 38 0 42
" No. 1	0 20 0 22
" ordinary	0 14 0 16
Colored Pebbles	0 13 0 16
" Calf	0 16 0 22
Oils	
Cod Oil	0 37½ 0 40
S. R. Pale Seal	0 50 0 55
Straw Seal	0 40 0 50
Cod Liver Oil, Nfld. Norw	
" Process	0 85 1 00
" Norwegian	0 95 1 10
Castor Oil	0 08½ 0 10
Castor Oil brls.	0 00 0 09½
Lard Oil, Extra	0 75 0 85
" "	0 65 0 75
Linseed, raw, nett.	0 79 0 80
" boiled, nett	0 82 0 83
Olive, pure	1 05 1 15
Extra, qt., per case	0 00 3 70
Turpentine, nett	0 66 0 67
Petroleum:	
Benzine	0 20 0 30
Gasoline	0 19 0 20
Silver Star	0 34½ 0 35½

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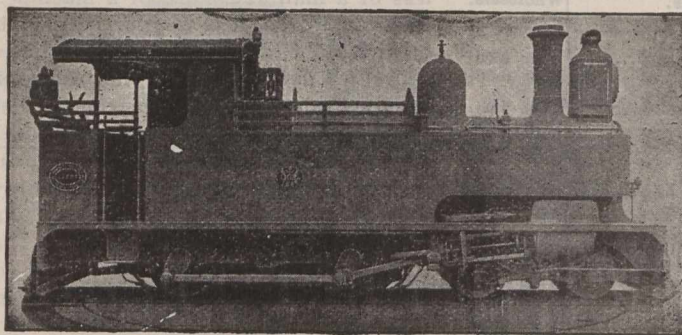
Name of Article.	Wholesale.	
	\$ c.	\$ c.
Imperial Acme.....	0 16	0 17
American W. W.....	0 18	0 19
Astral.....	0 19	0 20
Class.		
United inches, 00 to 25.....	0 00	2 10
do 26 to 40.....	0 00	2 20
do 41 to 50.....	0 00	4 70
do 51 to 60.....	0 00	4 90
Paints, &c.		
Lead pure 50 to 100 lb. kgs.....	0 00	5 87½
do No. 1.....	0 00	5 50
do No. 2.....	0 00	5 12½
do No. 3.....	0 00	4 75
do No. 4.....	0 00	4 62½
White Lead dry.....	5 50	5 50
Red Lead.....	5 00	5 50
Venetian Red Eng'h.....	1 75	2 00
Yel. Ochre, French.....	1 50	3 25
Whiting, ordinary.....	0 45	0 50
do Gilder.....	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 20	0 25
Golden Ochre.....	0 04	0 04
Brunswick Green.....	0 04	0 10
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 do.....	0 75	1 00
Brown Japan.....	0 60	0 75
Black Japan.....	0 50	0 75
Orange Shellac, No. 1.....	2 00	2 25
do do Pure.....	2 25	2 75
White do.....	2 75	3 00
Putty Bulk 100 lb. brl.....	0 70	0 200
Parisgreen in drum 1 lb pk.....	0 18½	0 19½
Wool		
Canadian Washed.....	0 12	0 14
North West.....	0 13	0 15
Unwashed.....	0 08	0 00
Fulled, 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
Chilian.....	0 11½	0 13
Australian greasy.....	0 16	0 20

favor in China. And the question now to be strongly considered by our merchants and legislators is whether we are to stem this current, undermine this sentiment and eventually place ourselves in the position of the least favored nation, by unwise legislation which a careful rational consideration should prove to be unnecessary and of no gain or protection to any class,

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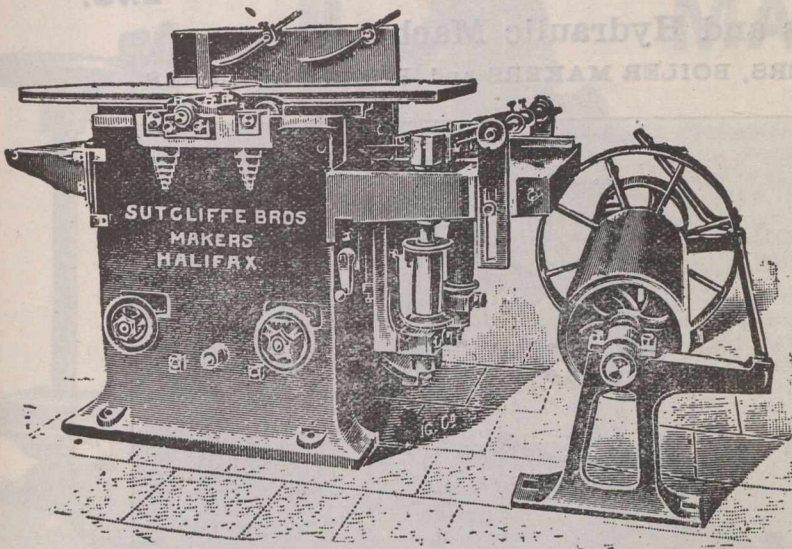
trade, people or thing in the United States.

"China is the coming country for trade, investments, speculation, concessions of railways, mining, Government works and privileges. There are now in the field English, French, Belgian and German syndicates with huge capital. China, with its huge territory, with its 400,000,000 people asleep for centuries, is just awakening and with that awakening is coming the desire to depart from old customs and trading in fixed lines to see the new things—to buy, to build railways, to open mines—and this country, geographically, by our business ability and by the preferential goodwill of the Chinese Government and its people, has an opportunity to get the largest share of it, and the question now before the people is as much are we to lose or gain this as is the exclusion of the Chinese coolie and the protection of American labor. We have two years. If action is now necessary let a Congressional committee be appointed to thoroughly investigate the subject and report before final action is taken."

Fitzherbert Leather, a well known commercial writer of the Pacific Coast, and closely in touch for the past decade with the development of Pan-Pacific commerce, in a recent interview presented some of the stronger features of the Pacific Coast business man's attitude toward the Geary Chinese exclusion law question.

"The Pacific Coast view of the Chinese exclusion question from the mercantile personnel's standpoint," said Mr. Leather, "is somewhat confused between the pressure of race sentiment expressed particularly by the laboring element new on the Coast shores, and the pressure of the great Oriental trade advantages to the Pacific Coast admitted by all to be in some jeopardy on account of the Executive attitude and the proposed Congressional action to renew the Geary law, or extend its terms even more rigorously than at present. It is a regrettable truth, in my opinion, that the business communities of the Pacific have not given energetic expression in favor of more liberal Chinese immigration privileges in the United States. It is only candid to state that so far there has been

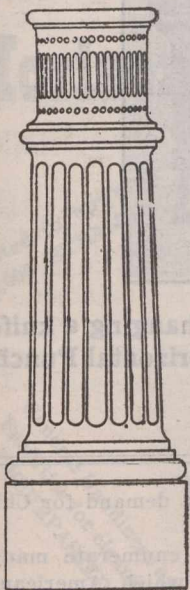
SUTCLIFFE BROS., Wood Working Machine Makers, Causeway, Halifax, Yorks, Eng.,



Combined 3-Sided and Planing out of Twist Machine.

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

Special prices to Canadians under the new Tariff.



ROSS & WALPOLE
Limited

Engineers,
Millwrights,
Boiler-Makers.

Electric Light and
Tramway Pole Bases.

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

little public action in opposition to the Pacific Coast laborers' outcry against the Chinese. But in private there is general acquiescence by the majority of the individuals of the Pacific Coast commercial interest, in more liberal treatment of Chinese. This statement applies not only to Chinese merchants, scholars, and professors, but to laborers. There can be no more doubt of this than that the entire business interest of the Pacific States entertain none but a vigorous attitude in favor of the absolute freedom of intercourse with Japanese consistent with the ordinary immigration laws of the country.

"In San Francisco, Seattle, Tacoma, Portland, San Diego, Los Angeles, Spokane, and in fact in all the large centres, there is a certain responsible element anxious for if not loudly demanding sober modification of the Geary law to permit freer entry of the Chi-

**MANTELS,
TILES,
MOSAICS,**

**TRANSOM
and PAVEMENT
PRISMS.**

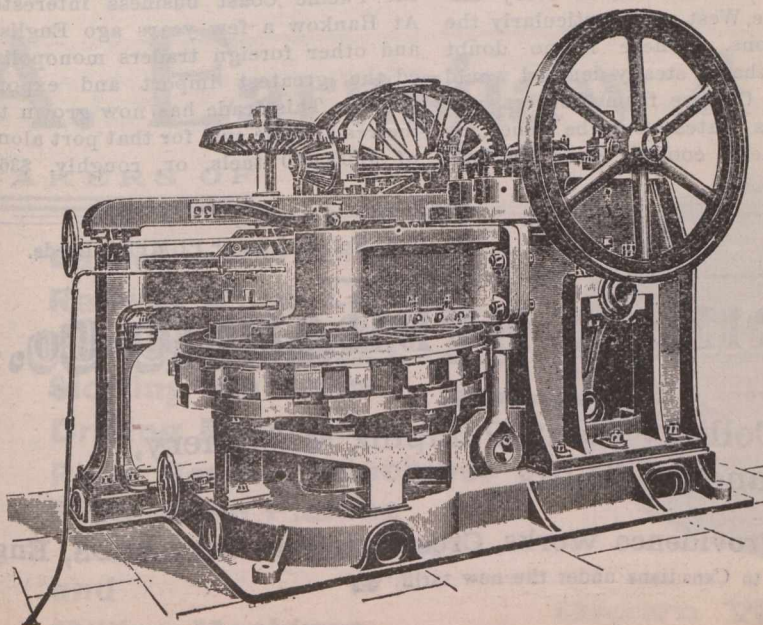
WEBSTER BROS. & PARKES,

228 ST. JAMES ST.,

MONTREAL, Que.

nese. This is particularly and strongly the sentiment of those who recognize the progress of commerce on the Pacific, and who naturally see in the general attitude of the United States a menace to it. It is remarkable that

Telegraphic Address:
"ALEXSON, LEEDS."



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

Herbert Alexander & Co.

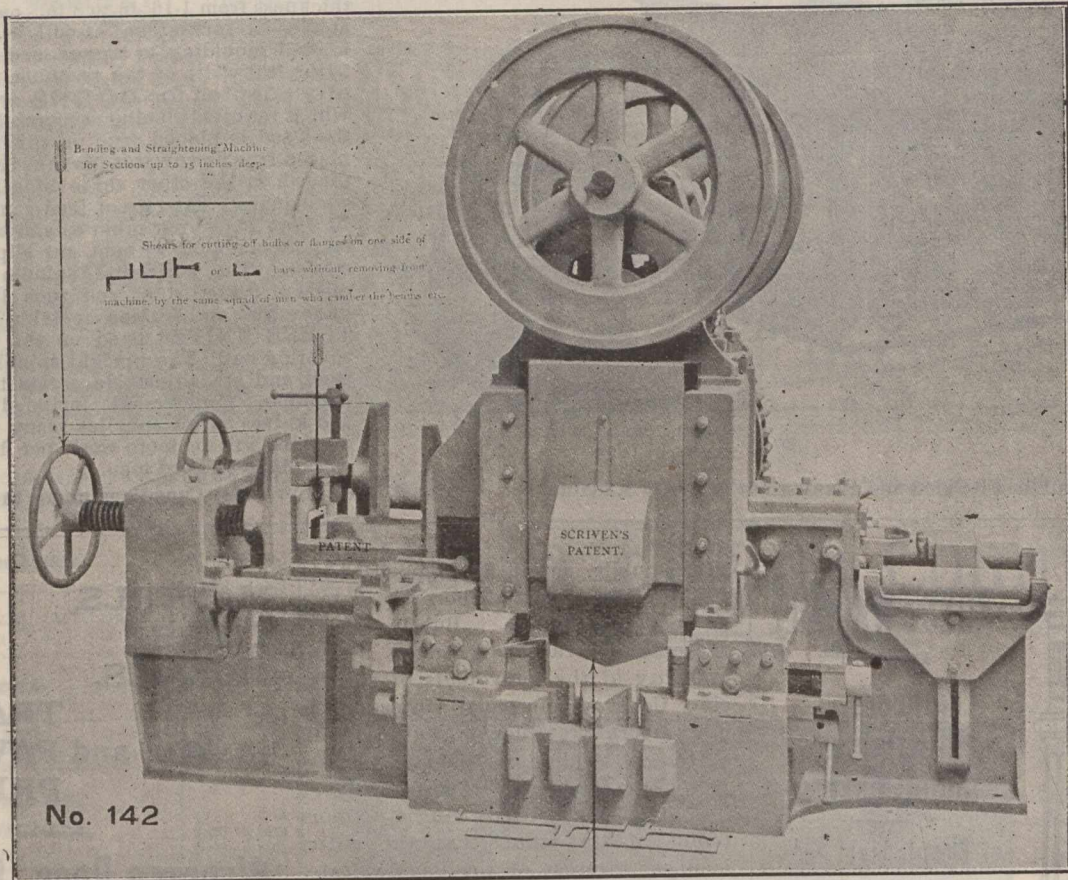
LIMITED.

Queen's Engineering Works

Water Lane,
LEEDS, Eng.

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.

at present, and this view is well understood in business circles of the Far West, the United States has a name and standing in China incomparably fairer than that of any other country. It must not be forgotten that to-day the press of China is well organized, and that the great majority if not all the individuals of the treaty ports who are in contact with the trading of the Western world are largely influenced by this press. It is odd but startling in its way that a recent paragraph in a hanghai native newspaper expressing gratitude and friendliness towards the United States for its recent actions at Peking and in the North

during the war, was copied throughout the Chinese press. It must be matter for thought that such good work as this can easily be undone. It is not necessary to state the advantages of permitting free entry of merchants and the other higher classes Chinese laborers are wanted, and would be welcome, on the farms of Washington, of Idaho, of Montana, Utah, Oregon, California and in every district of the West, and particularly the arid regions. There is no doubt whatever that a steady demand would set in for Chinese farm laborers, and the various States would be richer for it if Chinese coolies could be had.

There is, of course, a demand for Chinese as domestics.

"It is possible to enumerate many other services in which Americans would willingly employ the industrious Celestial. But perhaps the great feature of this question is that Chinese themselves are gradually getting hold of the Western world trading of China. This feature is strongly understood by the Pacific Coast business interests. At Hankow a few years ago English and other foreign traders monopolized the greatest import and export trade. This trade has now grown to the remarkable sum for that port alone of 51,000,000 taels, or, roughly, \$36,-

ADMIRALTY CONTRACTORS.

Tel. Address: "PUMPS," Leeds.

THE
LEEDS ENGINEERING & HYDRAULIC Co.,

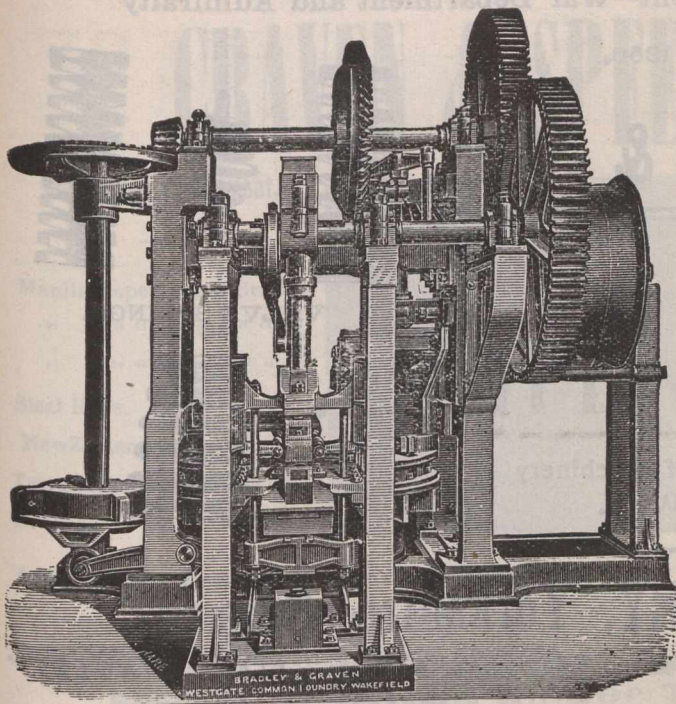
Manufacturers of

**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.



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 11 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

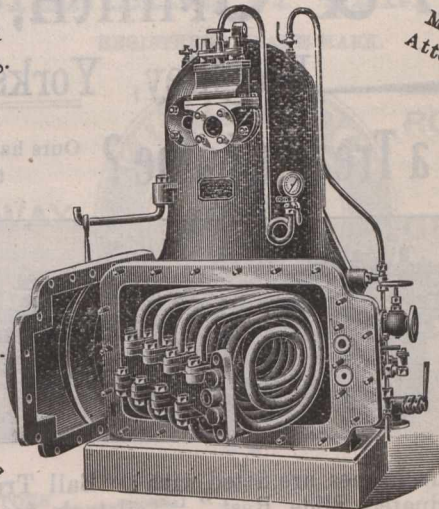
Westgate Common Foundry, WAKEFIELD, Eng.

Manufactured for the Canadian Market, under the new Preferential Tariff, 38 3/4 per cent. in favor of English Goods.

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

000,000, and it is practically to-day in the hands of Chinese alone. There is another strong feature also. Some Chinese go back to China and spend their savings there. But those savings largely buy foreign goods, foreign flour, &c. They buy luxuries; they teach the natives there to buy luxuries, to ask greater wages on their own soil. In many ways these savings go directly to increase United States trade."

Mr. Leather thinks there is a great manufacturing and other development in prospect for the Pacific Coast in connection with China, Japan, the Philippines and the East Indies, and that nothing should be done to prevent this development.

ARTIFICIAL INDIGO.

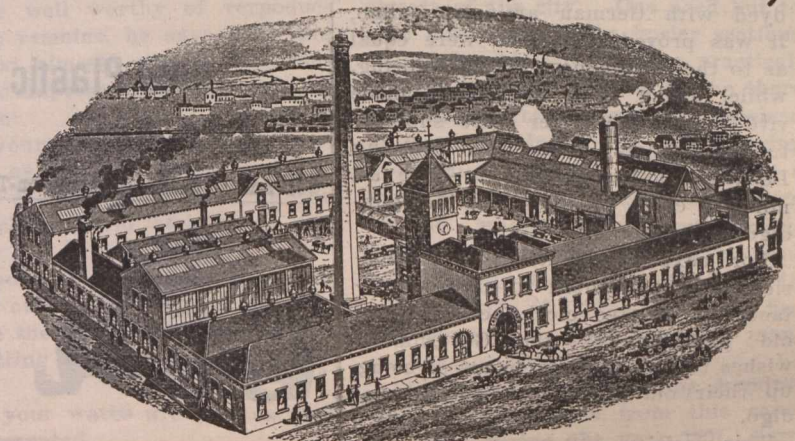
The Clothing Department of the Royal Prussian Ministry of War recently issued a decision of great im-

A. Earnshaw & Sons, Ltd.,

MAKERS OF

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

and
Milling Machines

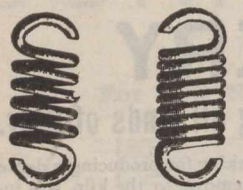


Crown Works.

HALIFAX ENG.

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

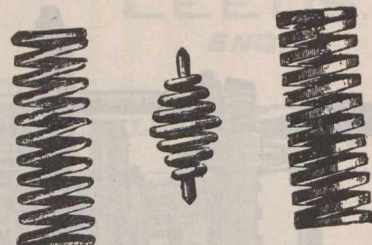
ESTABLISHED 1856.



VALVE SPRINGS.

Joseph Steel & Sons,

MAKERS OF



VALVE SPRINGS.

Spiral Springs,

For all Classes of Machinery and Engineering Work.

Harden near BINGLEY, Yorkshire, Eng.

Special terms to Canadians under the new Preferential Tariff. Telegraphic Address, "STEEL, BINGLEY."



Telegraphic Address: "SPIRITS, DUNDEE."

The Highest Point of Perfection

GEORGE MORTON & CO. LTD DUNDEE SCOTLAND

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

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

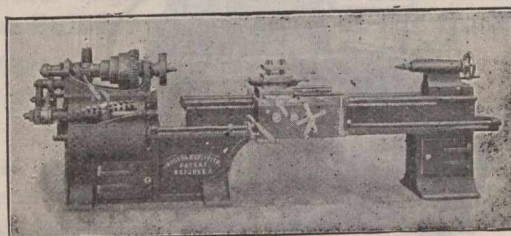
importance for the German color works. The patterns which had been given out for the manufacture of blue military cloth were dyed with unpurified vegetable indigo. On comparing them with typical samples which had been dyed with German artificial indigo, it was proved that both were equal as to the genuineness of the coloring, while, owing to a better and more vivid lustre, the latter were superior to the former. Hence the Clothing Department has decided to have all military cloth dyed with artificial indigo in future.

For next year's deliveries permission will be granted to cloth manufacturers to dye cloth according to old patterns, as the Government wishes to give them a chance of using up their old stock of vegetable indigo.

This decision will be a great help to manufacturers of artificial indigo

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.

ODIC COMPOSITIONS

MANUFACTURERS:

Odic Plastic Composition Company, Ltd.

33 Broad Chare, Newcastle-on-Tyne, England.

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



"ODIC COMPOSITION" Non-Explosive, Non-Poisonous. For Steel or Iron Decks, Holds, Bunkers, Tank Tops, Inside of Tanks, and all inside work.
"ODIC" PLASTIC CEMENT Non-Poisonous. For Steam Joints, Boiler Seams, Etc.

AGENTS WANTED IN CANADA.

Contractors to the Lords of the Admiralty.

Telegraphic Address: "ROPES, SUNDERLAND."

CRAVEN & SPEEDING BROTHERS,

Hemp Rope Department.

Manila Rope, Staple Brand.

" " "Red Star" "

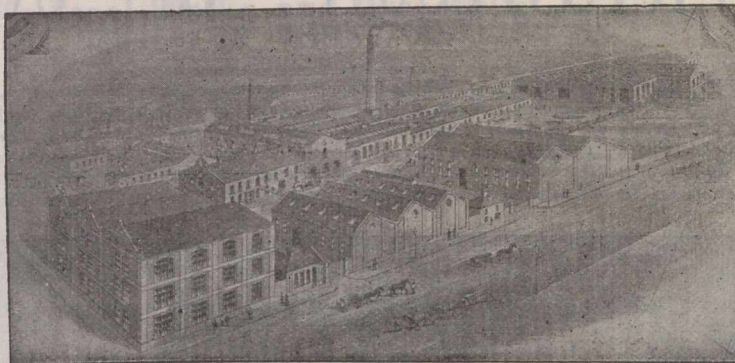
" " "Blue Star" "

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.
"B" quality Patent Improved Steel Wire Ropes.

Wire Rope Department.

(SHIPPING SECTION.)
Special Flexible Steel Wire Hawsers and Ropes.
Extra Special Flexible Steel Wire Hawsers and Ropes.
B.B. Galvani'd Wire Rigging

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

HEAD OFFICE:

Sunderland, Eng and.

FOREIGN AGENCIES: Hamburg, Antwerp.

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

"Robisco" White Metal,

(REGISTERED.)

THE STANDARD OF PERFECTION.

REGISTERED TRADE MARK.

FOR
MARINE,
RAILWAY,
TRAMWAY,
MINING,



ROLLING MILLS,
DYNAMOS
And
GENERAL
MACHINERY
BEARINGS.

PRICES ON APPLICATION.

SOLE PROPRIETORS

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

and means a considerable increase in that article's yearly output. In 1900 Germany exported artificial indigo worth 1,500,000 marks (\$357,000) more than in the year before, while in the same period the importation of natural indigo had decreased by 4,300,000 marks, (\$1,203,000).

ONLY PURE DRUGS.

In the course of a paper on "Pharmaceutical Impressions," read by Frederic N. Neice, of Brooklyn, N.Y., before the Kings County Pharmaceutical Society, Mr. Neice enumerated a list of axioms for druggists, which he claimed would prove profitable both financially and morally. He laid es-

pecial emphasis on the importance of handling only pure drugs, and impressing this fact on the minds of the public. His "axioms" on this point are well worthy of reproduction. It remains, he says, with the pharmacist himself, who is most concerned, to impress upon the minds of the public:

"That your stock of drugs and chemicals are as good as money can procure, the choicest the market affords and which conform strictly to the standard.

"That pure, unadulterated drugs are obtained only at the highest prices; therefore the public should not insist upon getting them at the lowest figure.

"That your wares are just as they are represented.

"That life is too short to endeavor to gain a living by dishonest methods in selling goods and their imitations.

"That you antagonize the practice of substitution and expose adulterations."

This is an era of substitution and adulteration, and the warning against both, as bad business policy, to say nothing of morality, is timely. While we do not believe that the druggists of this country are addicted to such practices, yet with them rests a heavy responsibility to discourage anything of the kind, and by united effort they could effectually stamp it out. And they are particularly interested in securing absolute purity in the goods they handle because they are the first to suffer from any lowering of the standard of excellence.

CAUSES OF FIRE.

The thirty-second annual report of the Fire Insurance Patrol of the city of Philadelphia says in part:

"Building Laws. — Defective flues caused 244 fires during the year 1901. Defective flues indicate defective construction, and that indicates defective building laws; that our laws are defective is clearly evidenced on the streets of the city. One need but to pass into some of the busier sections to see for himself that we practically have no building laws, for he there sees structures arising one hundred or more feet in the air, and covering practically unlimited ground area, a menace to neighborhoods and perhaps to the whole district surrounding them. I have one building in mind which would destroy the whole of its surroundings if it got fairly on fire, and involve the destruction of many millions of property.

"Petroleum Fires.— Four hundred and sixty-two fires from this cause occurred during the year 1901, more

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

London Office:
5 VICTORIA STREET WESTMINSTER.

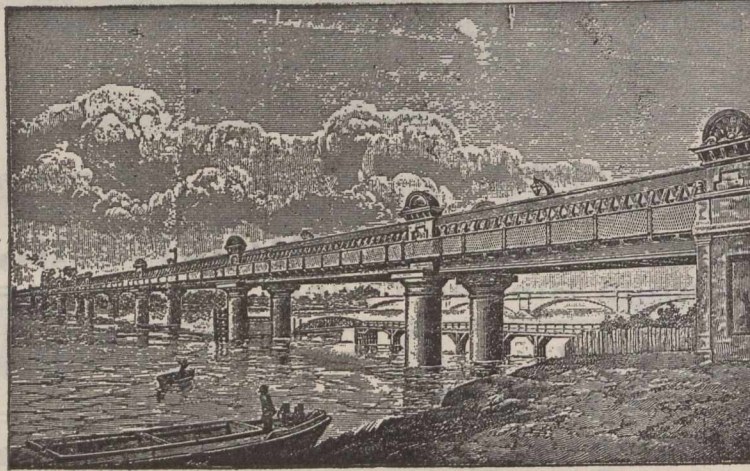
HEAD. WRIGHTSON & COMPANY.

(LIMITED)

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



PUTNEY BRIDGE, OVER THE RIVER THAMES, LONDON.

Patentees and
Makers of

'The
Teesdale'
Patent
Pulley
Block.

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

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

MANUFACTURERS OF

Blast Furnace Iron & Steel Works Plants

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

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

INGOT MOULDS.

than fifteen per cent. of the total; while the money loss was not of great moment, aggregating less than \$30,000, the loss of life and injury to person was enormous. It is reported that as a result of these fires about fifty lost their lives, and almost one hundred and fifty others more or less injured. No comment can be made that will add to the horror of this sacrifice or to the responsibility of those whose duty it is to render such occurrences impossible.

"Unknown Causes. — 'Unknown' again appears at the top of the list of causes of fires both in number and amount of loss, there being 500 fires and a loss of \$1,657,143 out of a total of 3,017 fires and \$2,058,190 loss. Underwriters believe there is a large amount of fraud concealed in that item, some venturing to put forth the

opinion that at least one-third of the total fire loss of the country is of that character. Nearly \$9,000,000 have been lost during the last six years from 'unknown causes.' How many of these fires were criminally caused either by design or carelessness? Why are they not thoroughly investigated? In this connection I can but repeat my remarks of last year. The insurance companies interested in a fire always make as thorough an investigation as they can, but as they are unable to enforce the attendance of witnesses or compel them to testify they are largely powerless. As the citizens at large are obliged to pay the losses out of their premiums to the companies they have a large interest in this subject, and should make an effort to see that we have proper laws and proper officers to

enforce them. I know that they can depend on the hearty co-operation of the companies in all efforts to lessen this great and growing evil."

PATENT REPORT.

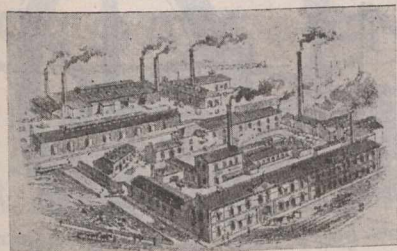
Owen N. Evans, solicitor of patents and expert, Temple Building reports the following United States and Canadian patents granted to Canadians last week: United States: Vehicle gear, William L. Marshall; grain car door, John Montgomery; agricultural machinery, John Clark; suspenders, R. P. Robinson. Canada: Acetylene lamps, Joseph Plouffe; resawing machines, William Duncan; shoe boxes, J. C. Leclerc; scrapers for disc henrows, Thos. S. Bath; revolving book cases, D. A. R. Stoddart; car fenders, F. X. Marchand; stope pipes, Francis Beattie;

Telegrams, "SHIPMAN, SHEFFIELD."

Honourable Mention International Exhibition, 1862.

J. SHIPMAN & CO.

Attercliffe Steel Works and Wire Mills,

SHEFFIELD, - ENG.Paragon Umbrella Wire, Rope Wire, Needle Wire,
Music Wire, Steel Wire of every Description.**TOOL STEEL, MINING STEEL, &C.****Special Prices to Canadians
under the New Tariff.**

brushes, J. B. Baming; chair braces, T. N. Huddleston.

—The following complete weekly list of patents granted to Canadians is furnished by Messrs. Fetherstonhaugh & Co., patent solicitors, Canada Life Building: Canadian patents—F. Johnson, mowers; R. I. Creelman, knitting machines; J. P. Moran, machines for lifting stones; G. S. Harris, apron string bands; J. Leclerc, machines for wiring sheet metal articles; F. D. Lissac, washing machines; J. A. Lesperance, folding beds; W. J. Curry, graters; D. M. McPherson, hay presses; O. J. Burden, latches; G. Wells, and P. Baker, automatic chromotropes, for producing designs and colored revolving discs; J. Brown, threshing machine; J. R. Beck, door checks; F. Meginn, apparatus for reducing steel rails to billets; P. A. McDuff, combined cutters and separators. Ameri-

can patents—V. Bereford, weed cutting and ballast dressing apparatus; A. E. Brethour, filler for capsules, wafers, etc.; A. B. Bryant carriage gear; H. Burnet, bicycle support; W. Hargrove, door spring; A. McIntosh, cheese cutter; G. A. Nauffts, automatic oil feed cups; G. M. Wilson, machine for producing chlorine gas and caustic soda from common salt.

OVER-PRODUCTION OF OIL.

The fear of over-production has always been a bugbear in the oil fields, and has always been unfounded, as it is now. An Eastern exchange says that in 1860, one year after the first oil well in the United States was drilled, there was an outcry from the inexperienced of "over-production."

That year the production of oil in the United States was only 500,000 barrels; in 1900 it was 58,000,000. The increase was steady, and yet to-day we have the same talk of "over-production" rising like a bugaboo to scare the timid investor. The eastern oil fields of the United States are on the decline and it is to the West that the country must look for new sources.

The oil production in the eastern fields is chiefly of two grades—Pennsylvania oil, which is produced in New York, Pennsylvania, West Virginia, and southeastern Ohio and Indiana. Pennsylvania oil commands thirty-five cents a barrel more than Lima oil. The average price of the two grades for the last twenty-five years was \$1.03 per barrel, the average price for the last five years was \$1.07 per barrel, and the average price for last year was \$1.13 per barrel. These figures show the stability of the market and how regular has been the opportunity for operating profitably at all times.

B. & S. MASSEY,

OPENSHAW,
Manchester, Eng.Patentees
and Makers of**Steam = =
Hammers,**Power Hammers, Stamps for Die Work,
Saws for Hot and Cold Metals.More than 3,000 sold. 100 to 200 usually under construction or
in stock.

Catalogues in English, French, German and Russian.

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 1123.)

Soap, petroleum tar soap, 35 p. c.; Soap, Castile, mottled or white, N. E.S., 2 cents per lb.; Soap, Castile (Savon de Marseille), imported under the provisions of the French Treaty, 1 cent per lb.; Soap, perfumed or toilet, 35 p.c.; Soap, harness soap, 25 p.c.; Soap, "Frank Sidel's" laundry soap, same rate as common soap; Soaps, mineral soaps, 35 p.c.; Soap, silver soap, 35 p. c.; Soap olive oil soap, to pay same rate as Castile soap; Soap powders, pearl-line, 30 p.c.; Soap powders, other, 30 p.c.; Soap, black soap, 35 p.c.; Soap, soft soap, 35 p.c.; Soap stock, see Grease; Soap, tar soap, "Grand Pa's Wonder," 35 p. c.; Soap, "Adams," mineral, 35 p.c.; Soap,

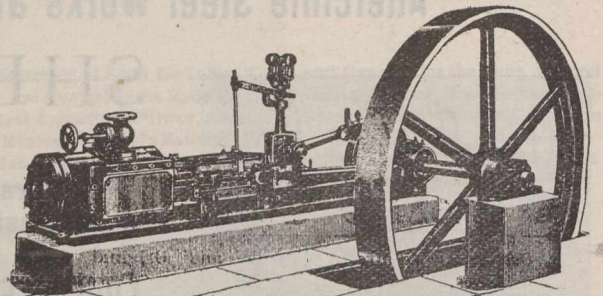
T. & R. LEES, Hollinwood, Nr. Manchester' ENGLAND.

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, Brick-works, 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

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.

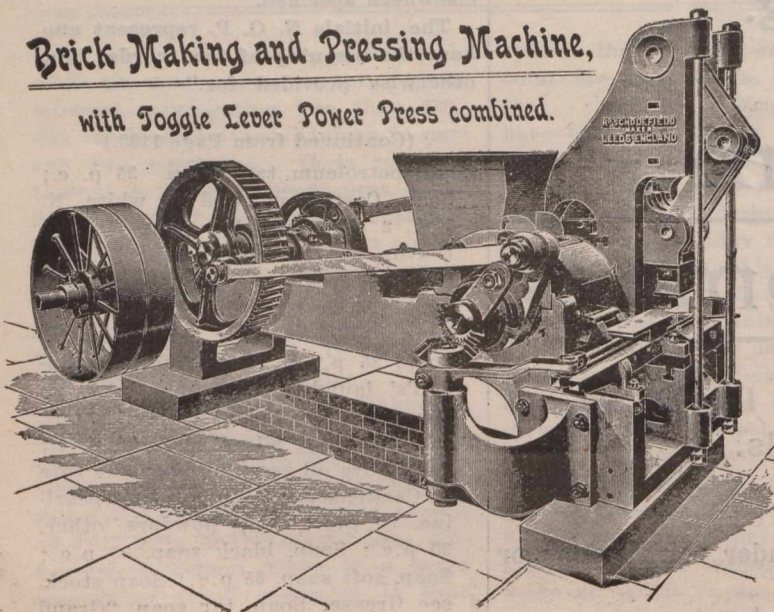
PIG IRON MADE TO ANY ANALYSIS.

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

carbonate of, 20 p.c.; Soda, caustic, free; Soda, arsenate, binarsenate, chloride, chlorate and stannate of soda, free; Soda, bisulphite of, free; Soda, bisulphide of, 20 p.c.; Soda, bichromate of, free; Soda, chlorate of, free; Soda, nitrate of, or cubic nitre, free; Soda, sal soda, free; Soda, nitrite of, free; Soda, sulphate of, crude, known as salt cake, free; Soda, sulphate of, N.E.S., 20 p.c.; Soda, hyposulphite of, 20 p.c.; Soda, silicate of, in crystal or solution, free; Sodium, sulphite of, free; Sodium, sulphite of, 20 p.c.; Soil pipes, cast iron, \$8 per ton; Solder, copper, 30 p.c.; Solderine, free; Soldering copper, 30 p.c.; Sole leather, tanned but rough or undressed, see Leather; Soups, 25 p.c.; Sozidol, a chemical, see Medicines; Swords, plated or not, 30 p.c.; Soy, 35 p.c.; Sozodont, in bottles under 4 ounces, 50 p.c.; Sozodont, over 4 oz., see Sprits, \$2.40 per proof gal., 40 p.c.; Spades, and shovels, iron or steel, N.E.S., spade and shovel blanks, and iron or steel cut to shape for the same, 35 p.c.; Sparkling wine, see Wine; Spanish cedar, see Wood; Spanish or Esparto grass, see Grass; Spar

Mayole soap (dye), see Maypole, &c.; Socks, silk, 35 p.c.; Sockets, see &c.; Soap, other, N.E.S., 35 p. c.; Telephones, &c., Instruments, &c.; Socks, of cotton or woollen, 35 p.c.; Soda ash or barilla, free; Soda, bi-

Brick Making and Pressing Machine, with Toggle Lever Power Press combined.



Established 1868.

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Brick-making & Grinding Machinery

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BROWETT LINDLEY & CO. LTD.

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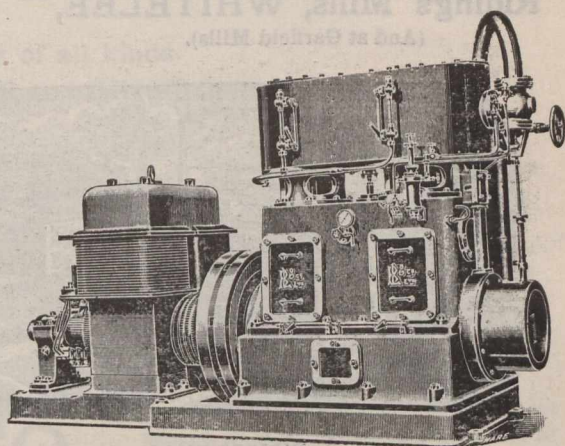
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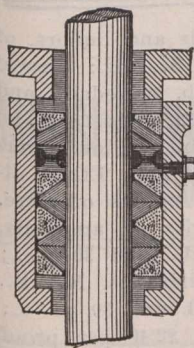


and alabaster ornaments, 35 p.c.; Spatulas, 30 p.c.; Specimens, models, &c., see Models; Specimen, botanical, entomological and mineralogical, free; Spectacles and eye glasses, 30 p.c.; Spectacles and eye-glasses, frames, and metal parts thereof, 20 p.c.; Spelter, in blocks and pigs, see Zinc; Sperm oil, 20 p.c.; Spermin, a chemical, see Medi-

cines; Spices of all kinds, except mace and nutmegs, unground, 12½ p.c.; Spices, as above, ground, 25 p.c.; Spiegeleisen, 25 p.c.; Spikes, see item Nails; Spikes and nails, composition, see item Nails; Sirae, see Florist Stock; Spirits: — Spirituous or alcoholic liquors distilled from any material, containing, or compounded from or with distilled spir-

its, of any kind, and any mixture thereof with water, for every gallon thereof of the strength of proof; and when of a greater strength than that of proof, at the same rate of of the increased quantity that there would be if the liquors were reduced to the strength of proof. When the liquors are of a less strength than that of proof, the duty shall be at the rate herein provided, but computed on a reduced quantity of the liquors, in proportion to the lesser degree of strength; provided, however, that no reduction in quantity shall be computed or made on any liquors below the strength of 15 per cent, under proof, but all such liquors shall be computed as of the strength of 15 per cent, under proof, as follows, viz.: Alcohol, ethyl alcohol, or the substance commonly known as alcohol, hydrated oxide or ethyl, or spirits of wine, \$2.40 per proof gal.; Alcohol, methyl alcohol, wood alcohol, wood naphtha, pyroxic spirits or any substance known as wood spirit or methylated spirit, \$2.40 per proof gal.; Alcohol, amyl alcohol or fusil oil, or any substance known as potato spirit or potato oil, \$2.40 per proof gal.; Absinthe, arrack or palm spirits, \$2.40 per proof gal.; Brandy, including artificial brandy, and imitations of; gin of all kinds, N.E.S., rum, whiskey, and all spirituous or alcoholic liquors, N.O.P., \$2.40 per

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ADVANTAGES:—Cheapness. Durability. An Absolute tight Gland. Friction reduced to a Minimum. Will last for years. Results guaranteed. No Steel Springs to lose elasticity or break. Any slight leakage allowed for lubrication is returned to condenser by the drain cock. No alteration is required to Stuffing Box. Rods kept like silver.

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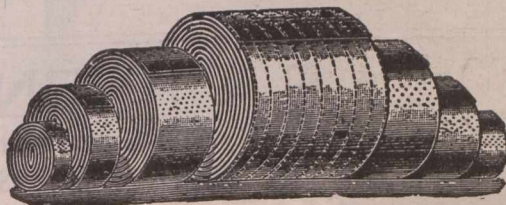
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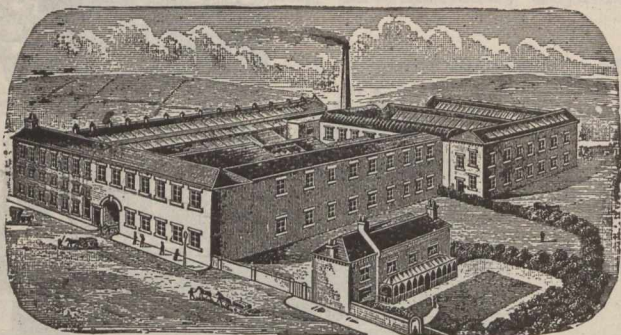
Telegraphic Address: "PURIFIER, BATLEY."

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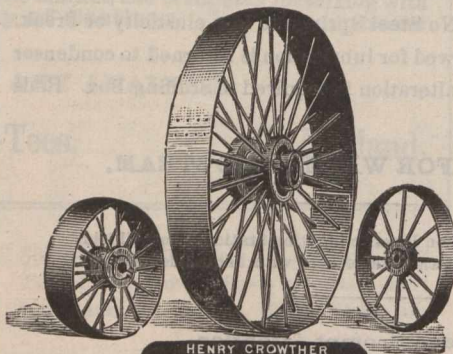
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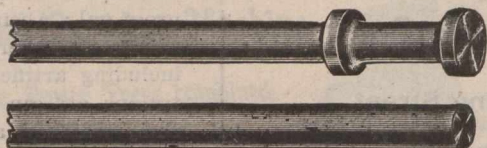
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Telephone
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MAKER OF WROUGHT IRON PULLEYS,
CLECKHEATON YORKS

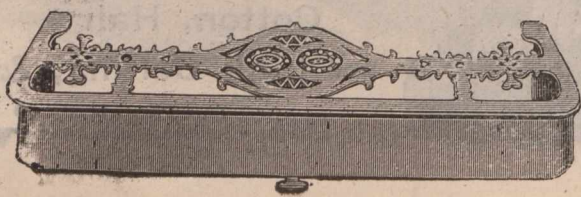


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spirits, \$2.40 per gal.; Vermouth
wine, containing not more than 36
per cent. of proof spirits, 90 cents
per gal.; Vermouth wine, containing
over 36 per cent. of proof spirits,
\$2.40 per gal.; Spirits, N.E.S., \$2.40
per proof gal.; In all cases where
the strength of any of the forego-
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certained by the direct application
of the hydrometer, it shall be ascer-
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ple, or in such other manner as the
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Spittoons, other, N.E.S., rated ac-
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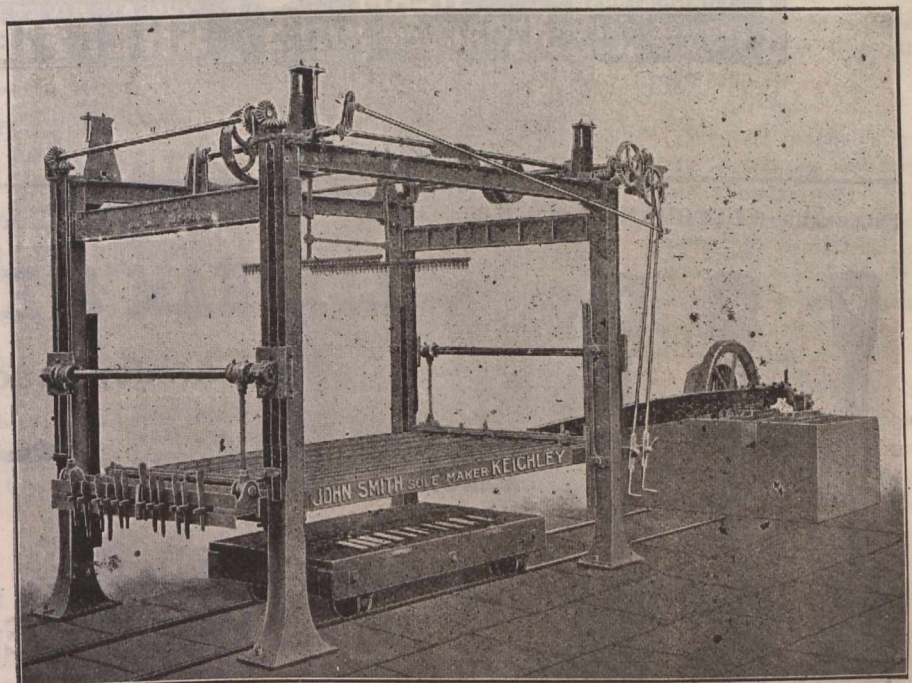
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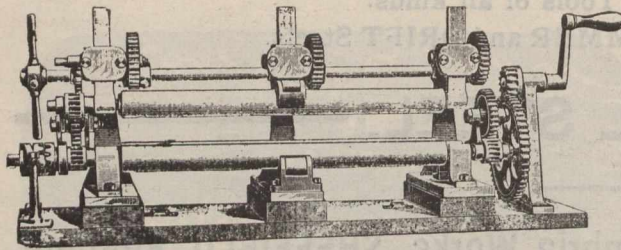


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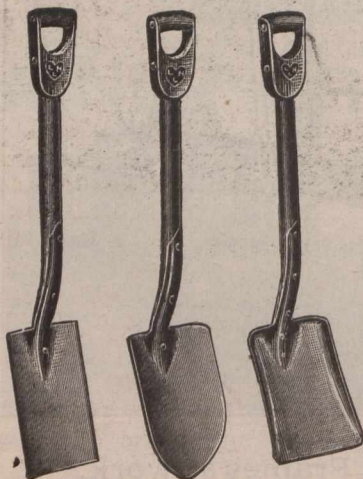
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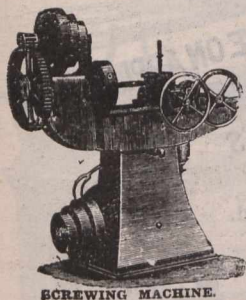
Established 1837. Telegraphic Address. "Wm. Heap, Ashton-Under-Lyne."

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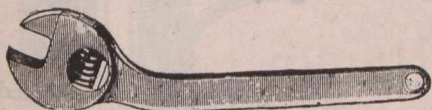
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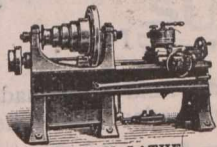
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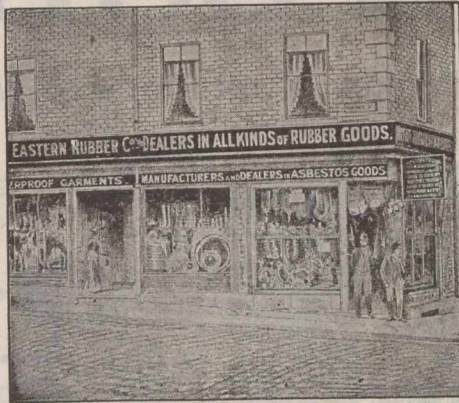
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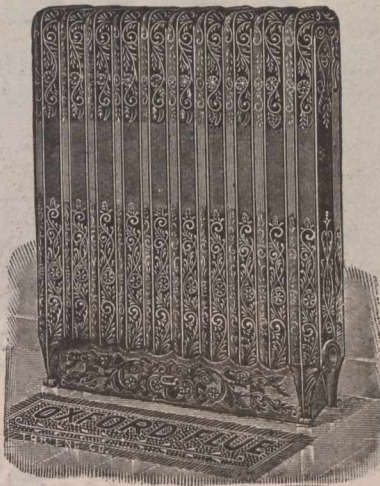
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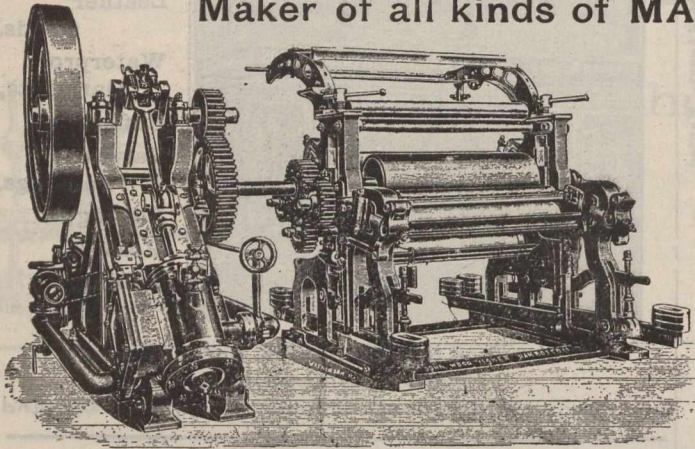
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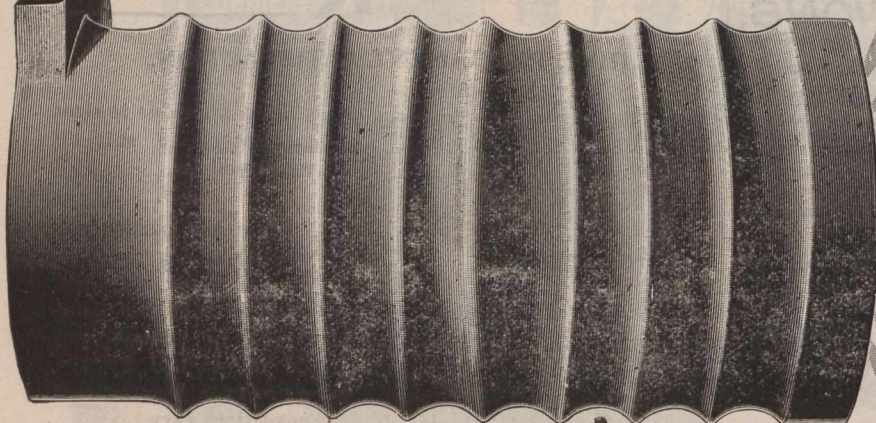
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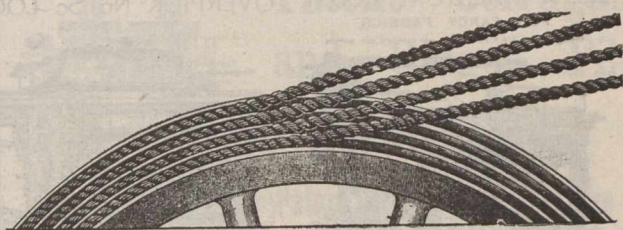
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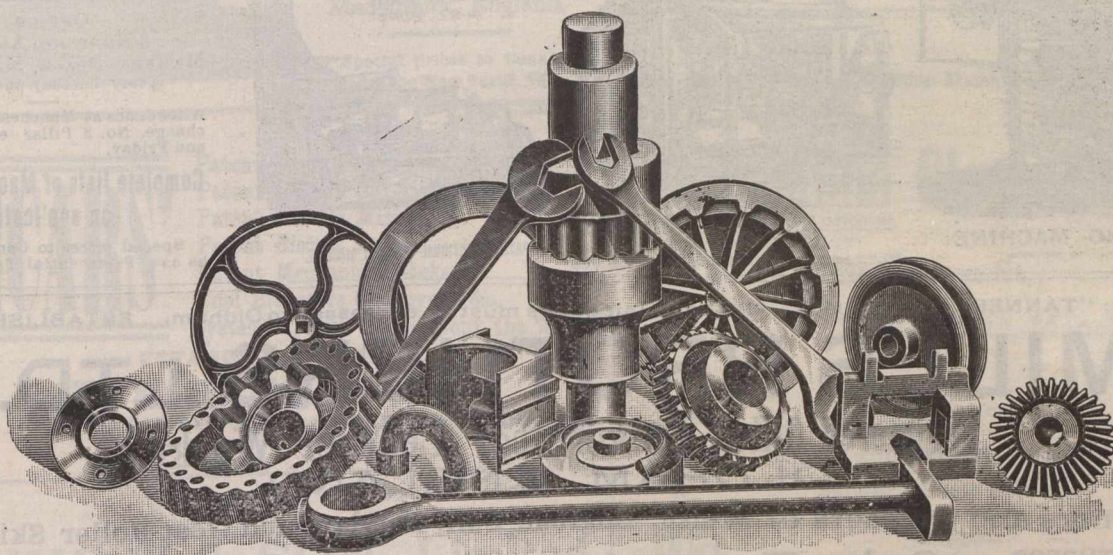
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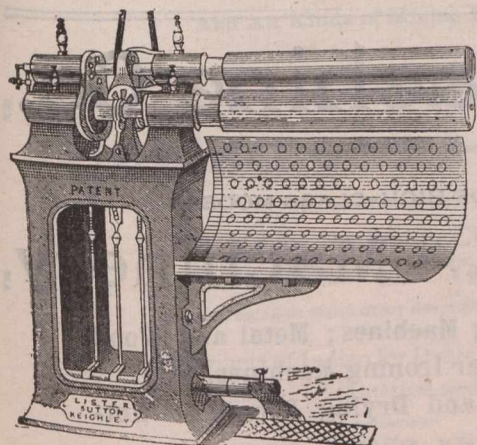
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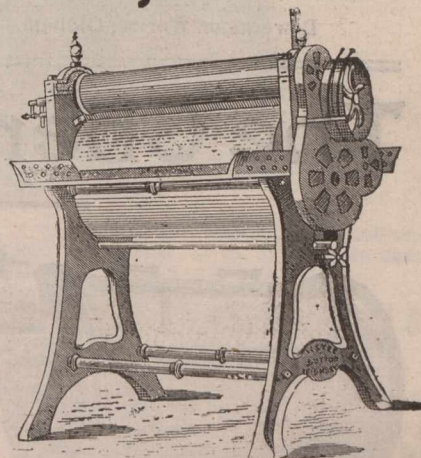
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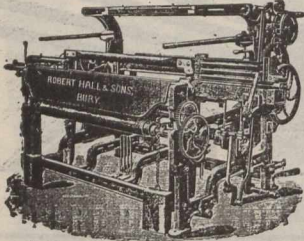
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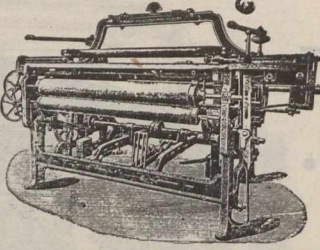
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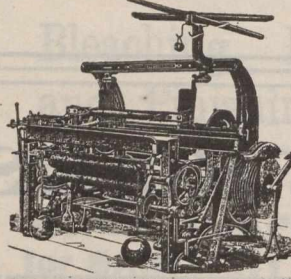
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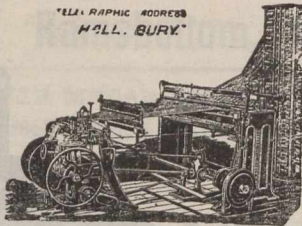
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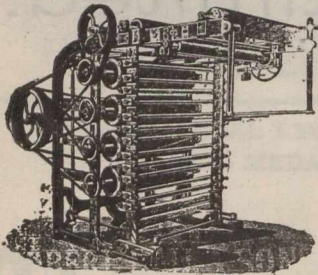
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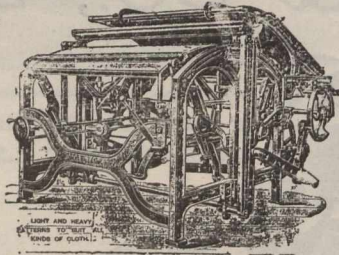
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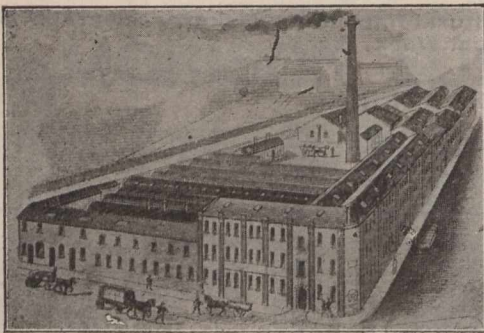
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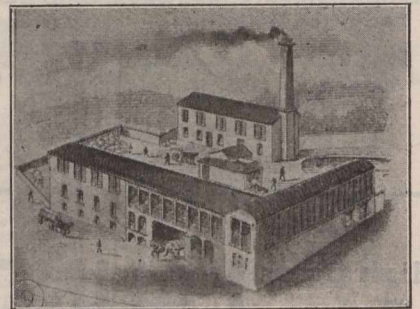
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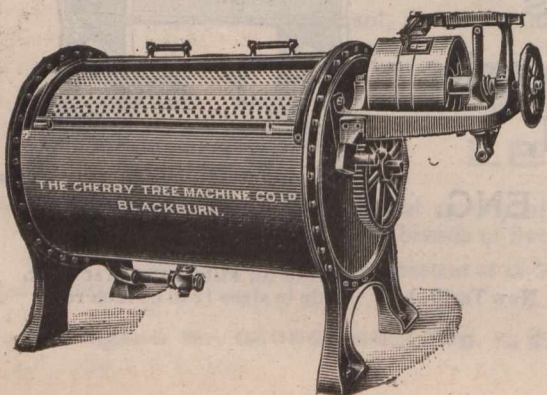
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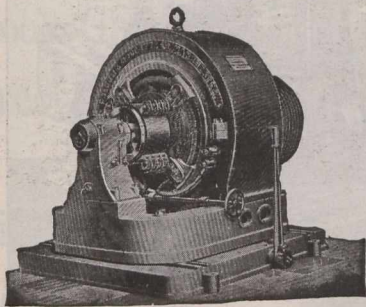
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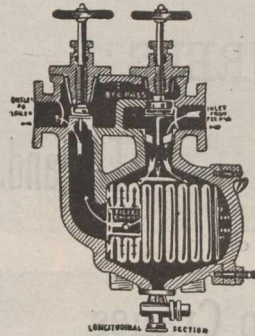
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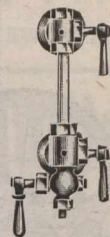
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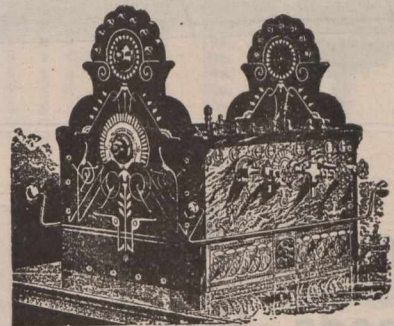
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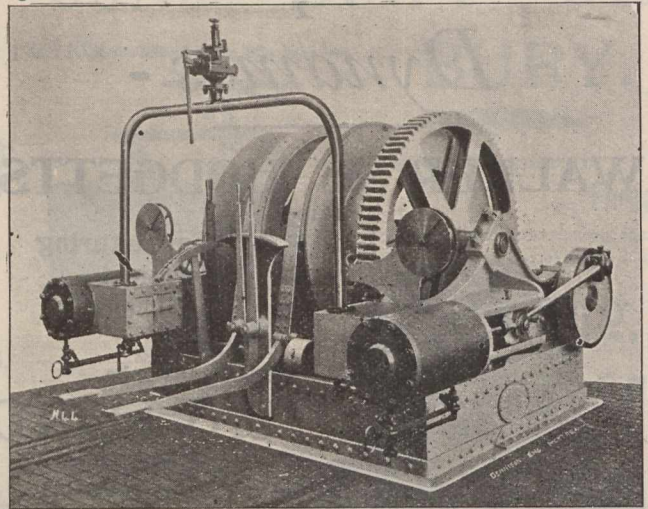
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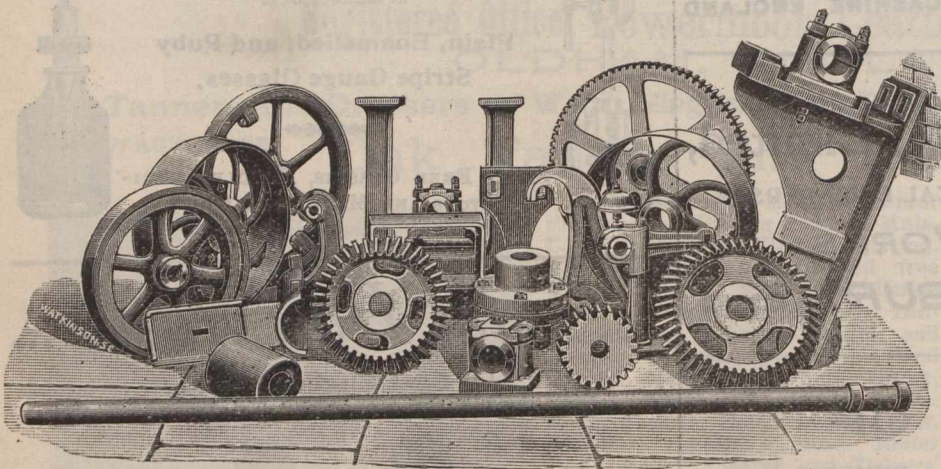
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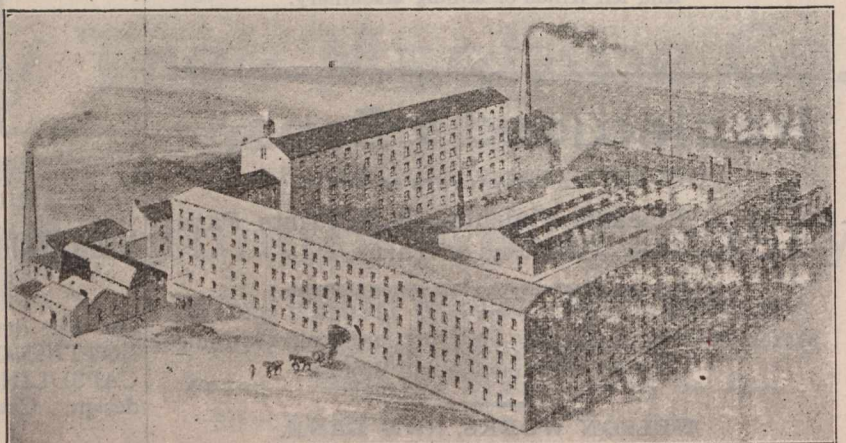


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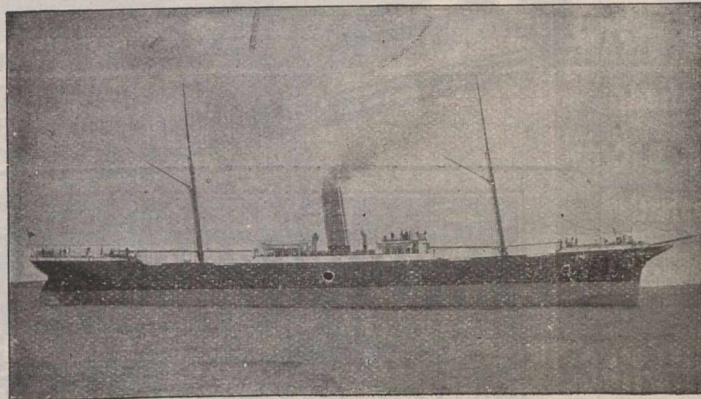
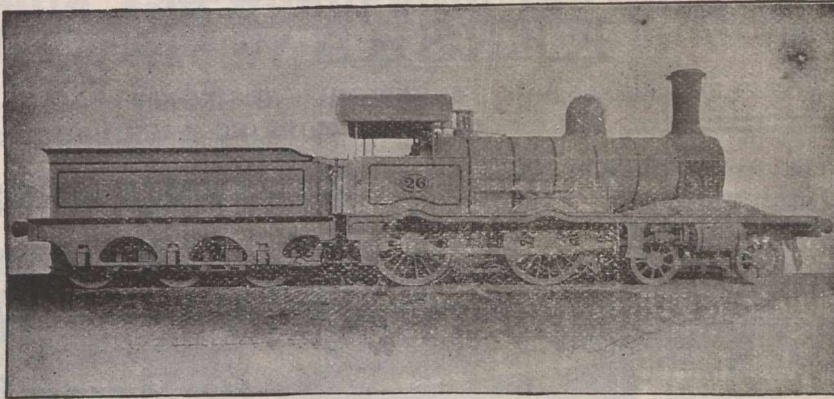
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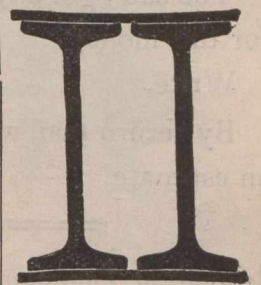
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G 3	16 x 6	62 lbs.	G 18	6½ x 3½	16 lbs.
G 3A	16 x 5	50 lbs.	G 19	6 x 5	25 lbs.
G 4	15 x 6	59 lbs.	G 19A	6 x 4½	20 lbs.
G 5	15 x 5	42 lbs.	G 20	6 x 3	16 lbs.
G 6	14 x 6	57 lbs.	G 20A	6 x 3	13 lbs.
G 6A	14 x 5	46 lbs.	G 21	6 x 2	12 lbs.
G 6B	13 x 6	41 lbs.	G 22	5½ x 2	11 lbs.
G 7	12 x 5	54 lbs.	G 22A	5½ x 1½	9 lbs.
G 7A	12 x 6	32 lbs.	G 23	5 x 5	24 lbs.
G 7B	12 x 5	44 lbs.	G 24	5 x 4½	22 lbs.
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G 10	10 x 5	29 lbs.	G 26A	4¾ x 1¾	6½ lbs.
G 10A	10 x 5	30 lbs.	G 27	4¾ x 3	14 lbs.
G 11	10 x 4½	30 lbs.	G 28	4 x 3	12 lbs.
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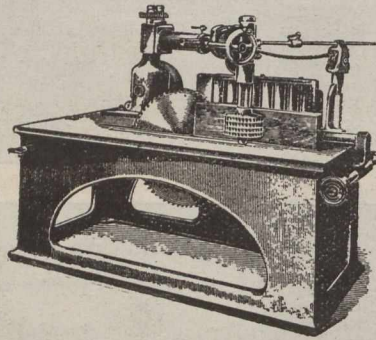
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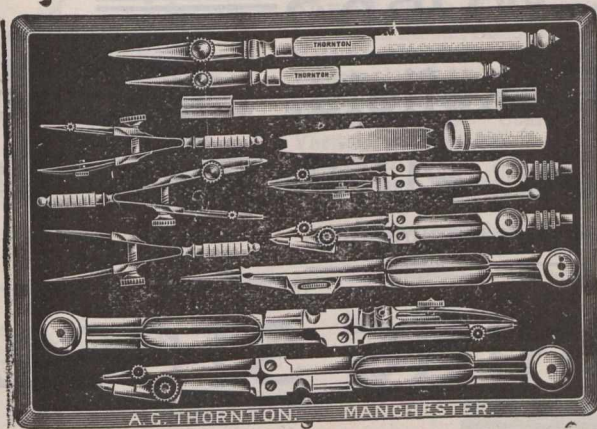
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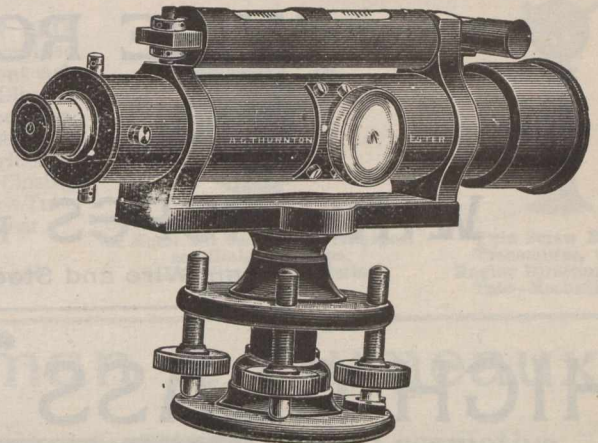
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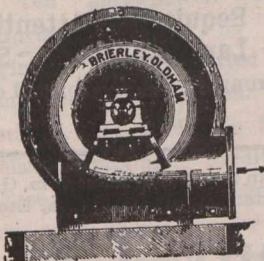
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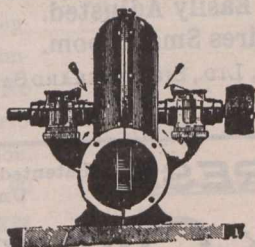
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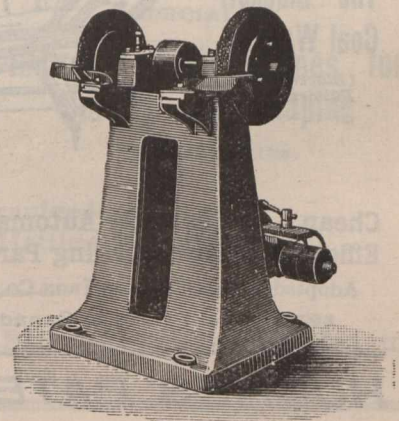
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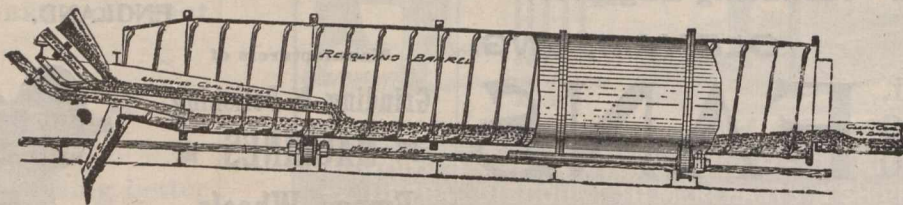
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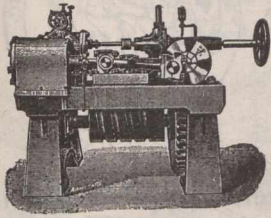
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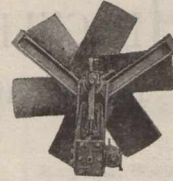
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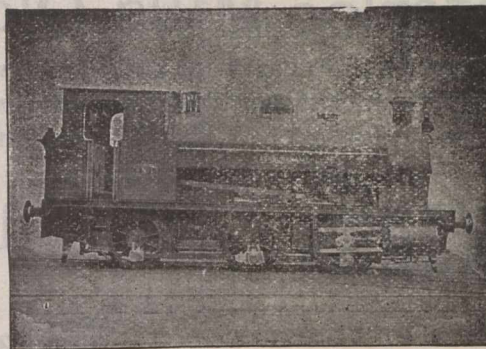
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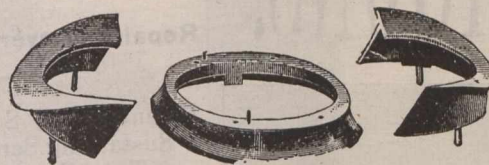
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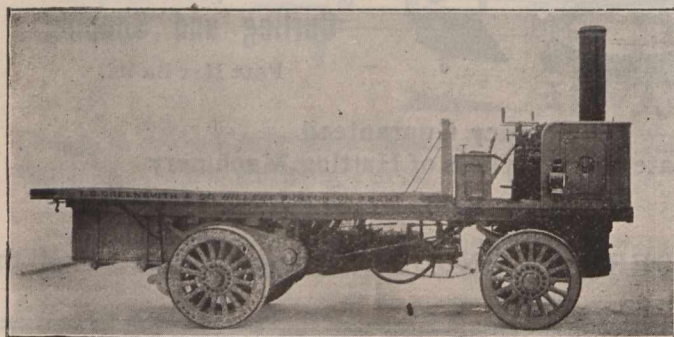
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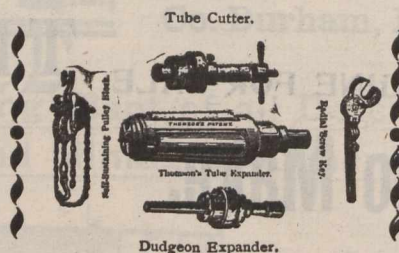
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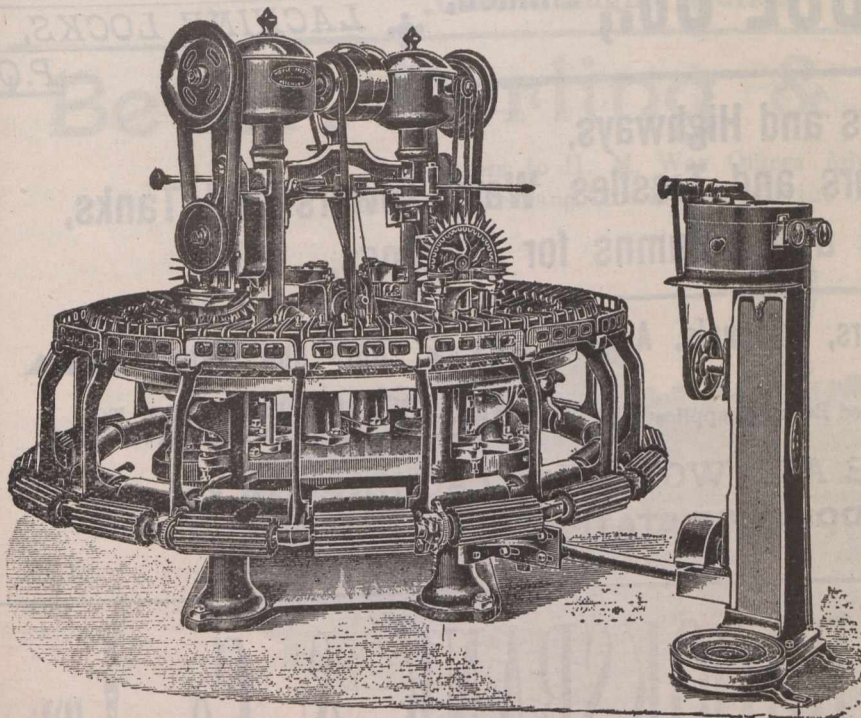
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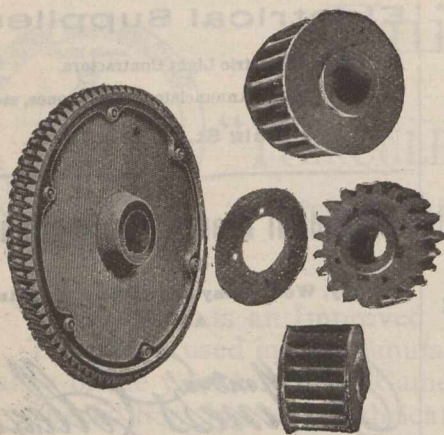
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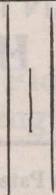
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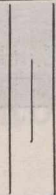
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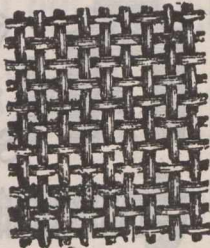


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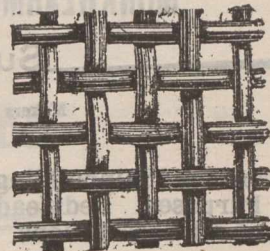
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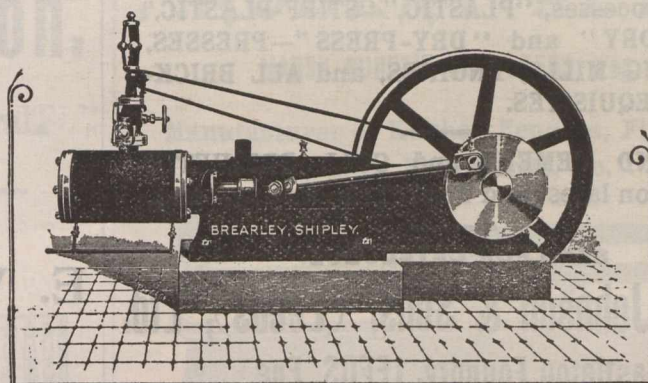


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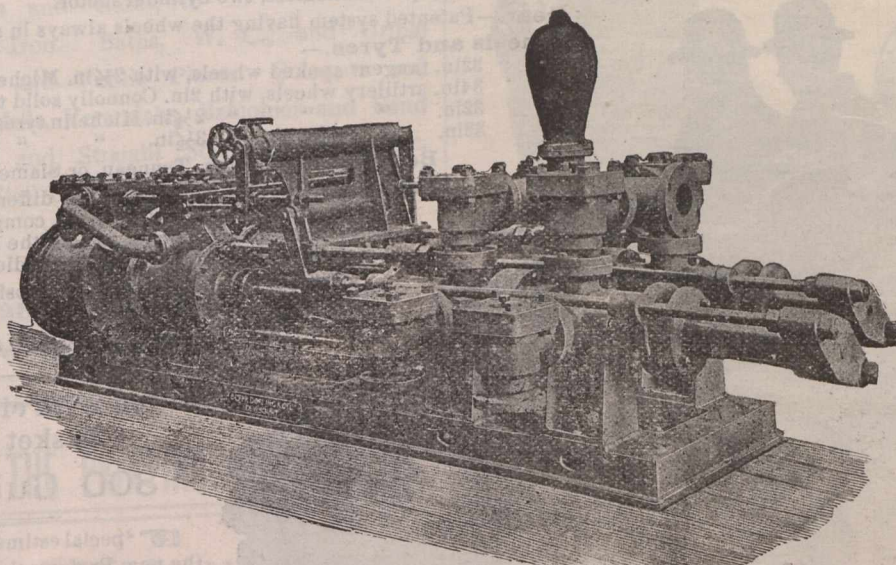
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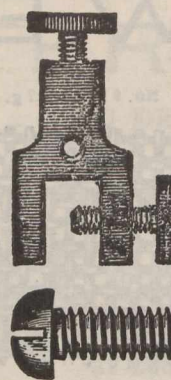
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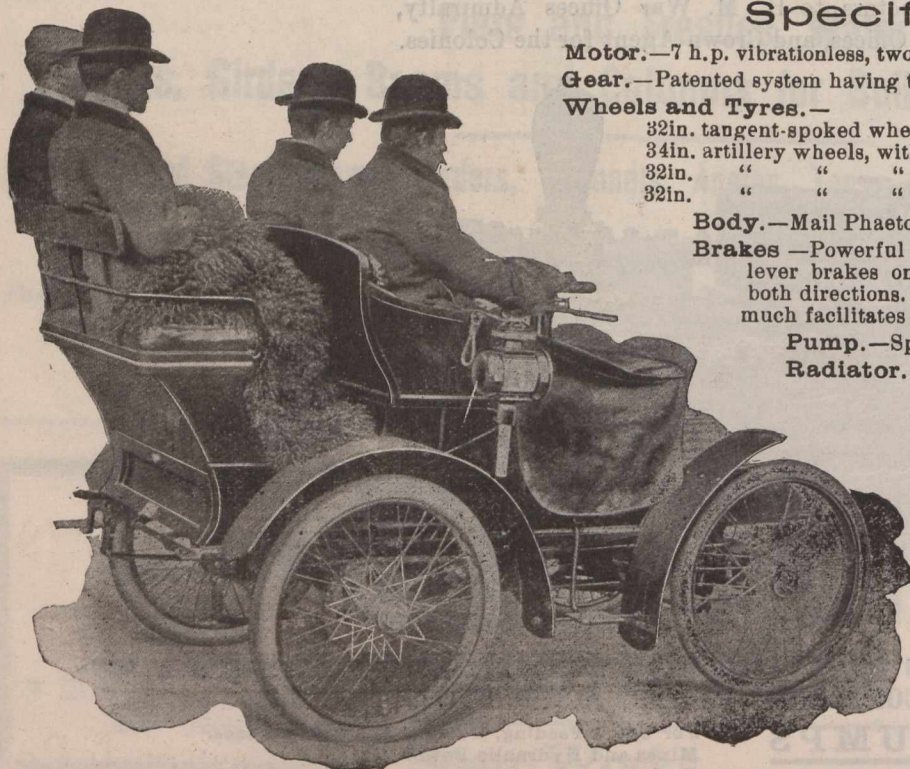
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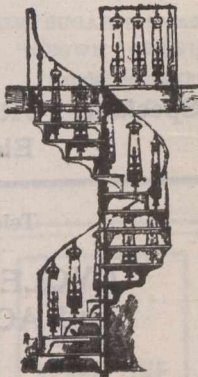
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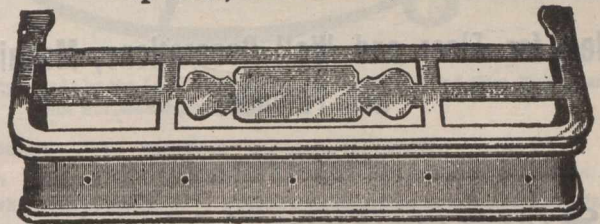
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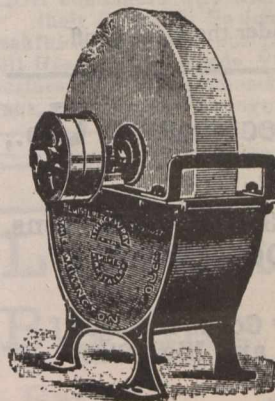
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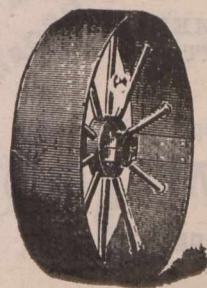


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Canada, 4 per cent. loan, 1860	100	102	
3 per cent. loan, 1898-99	102	104	
Debs. 1884, 3½ per cent.	89	91	
2½ p.c. loan, 1897	107	109	
Manitoba, 1885-6, 5 p.c.	107	109	
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1876, 5 p.c.	101	105	
1880, 4½ p.c.	102	104	
1883, 5 p.c.	107	109	
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1st M. Bds	13¾	14	
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Can. Central 6 p.c. M. Bds. Int.			
guar. by Gov.			
Canadian Pacific \$100.....	116	116½	
Grand Trunk, Georgian Bay, &c....	100	102	
1st M.			
Grand Trunk of Canada Ord. stock.	9¾	9¾	
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5 p.c. perp. deb. stock.....	132	135	
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Great Western shares, 5 p.c.	131	134	
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M. of Canada Stg. 1st Mort. 5 p.c.	105	107	
Montreal & Champlain 5 p. c. 1st			
mtg. bds	99	101	
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Quebec Central, 5 p.c. 1st Inc. Bds...	106	108	
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Canada North-West Land Co.	6¾	7¾	
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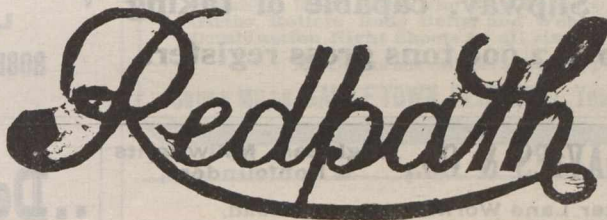
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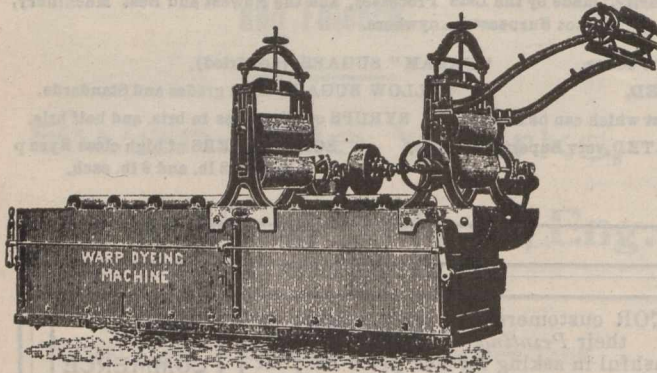
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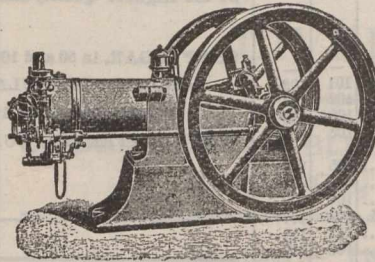
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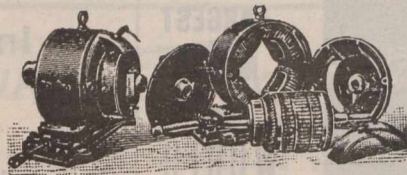
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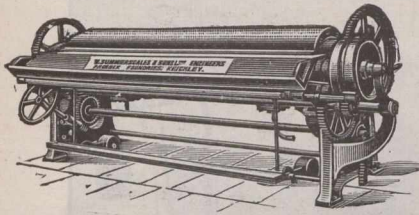
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W. SUMMERSCALES & SONS, Limited,

Coney Lane Works,
KEIGHLEY, ENGLAND.

MANUFACTURERS OF EVERY CLASS OF



**LAUNDRY
and DOMESTIC
MACHINERY.**

For Canadians, under
the New Tariff.

THIS SPACE TO LET,

APPLY TO

**Weardale Steel, Coal
& Coke Co., Ltd.,**

Tudhoe Iron Works,
SPENNYMOOR, Eng.

or "Journal of Commerce,"

MONTREAL, Que.

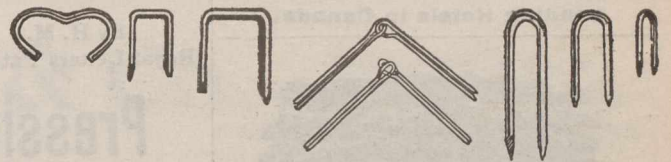
**.. The Wellington Machine Company ..
Engineers & Machinists,**

Machine Specialists for Folding Box Makers
Bookbinders, Printers, Manufacturing Stationers
&c., &c.

Specialities:—Wellington Box Covering and Topping Machines.
Wellington Rotary Cutting and Grooving Machines. Wel-
lington Board Liner. Wellington Rotary Punches. All kinds
of special Dies for Folding Boxes.

Works, Office and Showrooms:

Wellington Road, STOCKPORT, Eng.
(Cut will be inserted as soon as received.)



STAPLES,

**TINNED & COPPERED
FLAT STAPLES.
LINGOES OR LOOM
WEIGHTS.**

Box Hinges. Reed Ends Jacquard Wires (perfectly
straight.) All kinds of ROLLED WIRE, (cut or in coil)

JOSEPH HIRST,

Kirklees Ironworks, Brighouse, Eng.

Please write for lists & samples.
Special terms to Canadians under new tariff.

JOHN TURNER & CO.,

Manufacturers of **HORSE RUGS**

Blankets, Rugs, Horse Clothing, Collar Checks, Saddle
Girths, Rollers Body Belts, and Webbing. Jute and
Combination Night Sheets in all sizes.

Merchants and Shippers only Supplied.

Crown Mills, SAVILE TOWN, DEWSBURY, YORKSHIRE, ENGLAND.

William Whitwell & Co., Ltd.,

Thornaby Iron Works,

Stockton-on-Tees, England.

Manufacturers of Whitwell Special
Admiralty Cable ¼ inch and upwards.

PIG AND MERCHANT IRON.

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

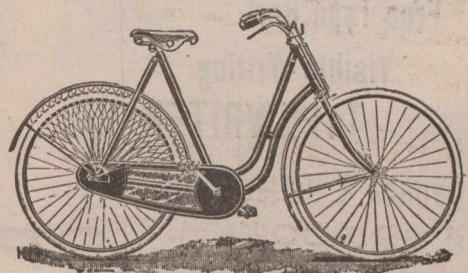
MERCHANT IRON Angles, Tees, Rounds, Squares,
Flats, Round Edged Flats, Oc-
tagons Ovals, Feather-Edged Convex, Square Edged Convex,
True Half Rounds; Rails—bridge double and single headed flat
bottomed and street; Fish Plates, Fencing Iron, Sleeper Iron,
Bevel Edged Tyre Iron, Channel, Skylight, Bevel and Hollow
Moulding Iron Fire and Screen Bars, Tube Strips, Sash Iron,
Single and Double Grooved Shoe Iron.

Capacity, 2,500 tons of Pig Iron, and 100 tons of Bar Iron, per week.

Brands for Merchant Iron: W. W. & CO. BEST SHOE, THORNABY BEST,
W. W. & CO. BEST, THORNABY BEST BEST, THORNABY. W. W. & CO
Special Terms to Canadians under the New Tariff.

HIGH-CLASS CYCLES.

MOTOR CAR
MANUFACTURERS.



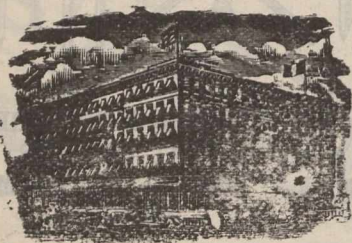
CYCLE
MANUFACTURERS.

SOLE MAKERS.

Wm. Sellers & Sons,

**KEIGHLEY,
England.**

Leading Hotels in Canada.



ROSSIN HOUSE, TORONTO, Canada.

A. Nelson, Proprietor.

The proprietor has found necessary owing to the increased patronage of this popular Hotel to increase its capacity by an addition of 75 rooms, elegantly furnished on suite with baths, now ready for occupation. The latest exposed sanitary plumbing has been adopted throughout. THE ROSSIN is admittedly the largest, best appointed and most liberally managed hotel in the Province, having accommodation for 500 guests.

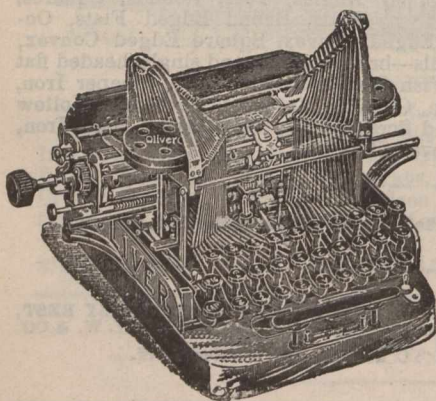
A. NELSON, Proprietor.

**THE RUSSELL,
OTTAWA.**

THE PALACE HOTEL OF CANADA

This magnificent new Hotel, fitted up in the most modern style, is now re-opened. The Russell contains accommodation for over Four Hundred Guests, with passenger and baggage elevators and commands a splendid view of the City, Parliamentary grounds, river and canal. Visitors to the capital having business with the Government find it most convenient to stop at the Russell, where they can always meet the leading public men. The entire Hotel is supplied with escapes; and in case of fire there would not be any confusion or danger. Every attention paid to Guests.

F. X. ST. JACQUES, Propr.



YOUR ATTENTION!

THE OLIVER . .

Free Type Bar

Visible Writing

. TYPEWRITER.

Price in Canada & United States,

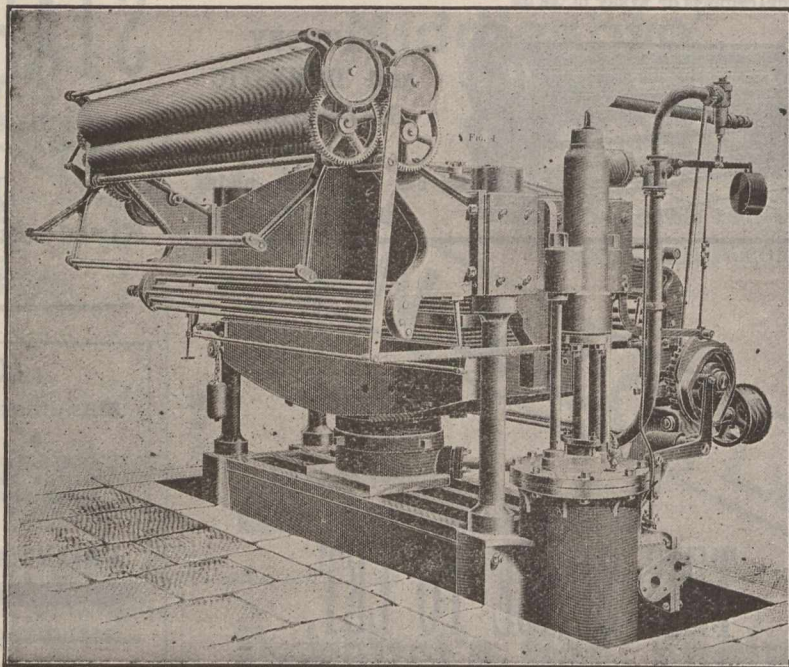
→ \$95.00 ←

LINOTYPE COMPANY,

**156 St. Antoine Street,
MONTREAL.**

**Manufacturers for
CANADA AND SOUTH AMERICA**

By H. M.
Royal Letters Patent. **NUSSEYS & LEACHMAN'S PATENT PRIZE MEDAL**
Pressing and Tentering Machines.



MAKERS W. B. LEACHMAN & CO.,

EXCEL WORKS,

Great Wilson Street,

LEEDS, ENGLAND.

THIS LITTLE TRADE MARK



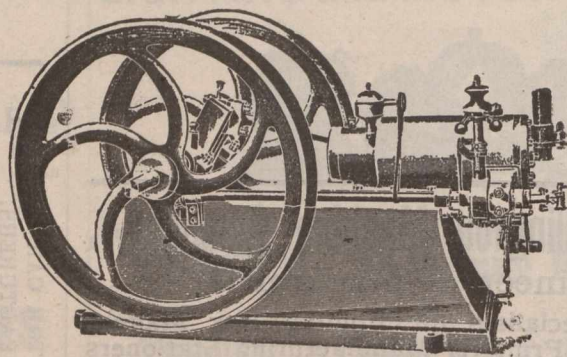
ON A SAW GUMMER

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

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

New Patent Gas Engine.

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



Ignition Tube and

SPETCH & THOMAS,

SOLE MAKERS,

**Paragon Engine Works, Longside Lane,
BRADFORD, ENGLAND.**

SPECIAL TERMS TO CANADIANS UNDER THE NEW TARIFF.

WILLIAM ATKINS & Co., LIMITED.

Telegraphic Address:
"RELIANCE, SHEFFIELD."

Corporate Trade Mark.



ATTERCLIFFE,

RELIANCE STEEL WORKS,

Sheffield, England.

Manufacturers of all kinds of Crucible

CAST STEEL

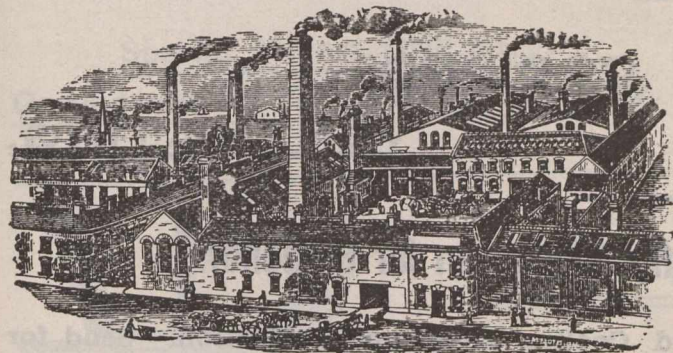
For Engineers, Shipbuilders, Boilermakers and other purposes.

SPECIAL DRILL STEEL

As supplied to the Gold Fields of Australia, Africa, &c.
Expressly Adapted for Mining and Quarry Work; also
of Rapid Cutting Steel for Turning

TOOL STEEL

For Turning Chilled Rolls, or any Hard Metals.

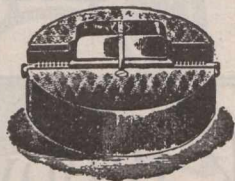


Cast Steel Sheets, Blister, Single and Double Shear Steel, Coach and Railway Spring Steel, Sewing Machine Steels, &c., &c. Best Warranted Cast Steel **FILES**. Solid Steel Hammers and Superior Cast-Steel Saws of every description.

Special terms to Canadians under the New Tariff.

CHUCKS!

Reside's Improved
2, 3 and 4-jaw



Chucks

For Brass Finishers,
Engineers, &c.

FOR STRENGTH and DURABILITY
Are UNSURPASSED.

Will be sent on approval. Send for Prices.

Reside, Railway Terrace, Brighthouse.
YORKS, ENGLAND.

WEBSTER'S INTERNATIONAL DICTIONARY

NEW EDITION
NEW PLATES THROUGHOUT

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

Rich Bindings • 2364 Pages • 5000 Illustrations

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

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

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

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

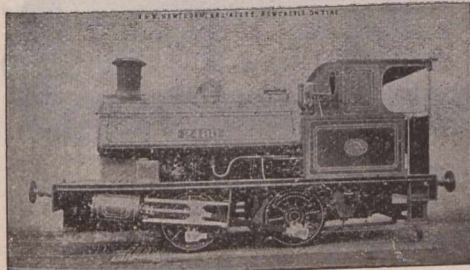
GET THE BEST

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

NEWCASTLE-ON-TYNE, ENGLAND.

Manufacturers of

LOCOMOTIVES OF EVERY DESCRIPTION

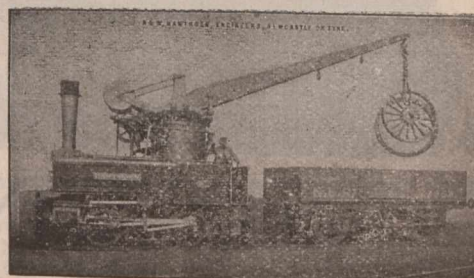


PHOTOGRAPHS and
SPECIFICATIONS
ON APPLICATION.

Standard Classes in Pro-
gress and in Stock.

○ ○

Special prices to Canadians under
the New Tariff.



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

ENQUIRIES cordially invited which will have prompt and
careful attention.

* **BLACKMAN'S** *

Patent Power Ventilating

* **WHEEL.** *

HEATING.

COOLING.

DRYING.

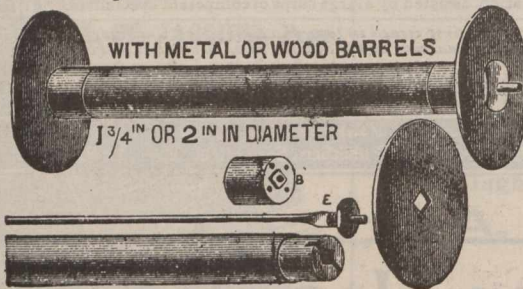
VENTILATING.

14 Highest Awards Given to the Blackman Air Propellor.

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

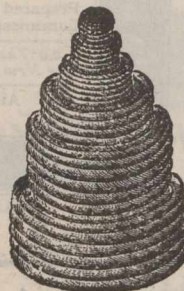
MILLER BROS. & TOMS, - Agents, - MONTREAL

JOHN KAY,
Machinist and Mill Furnisher,
Crown Works, Walker St., ROCHDALE, Eng^d
PATENT CONDENSER BOBBIN.



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

Garnock, Bibby & Co.,
Limited.



Steel Wire and Hemp
Rope Manufacturers,

LIVERPOOL, - ENGLAND,

Contractors to the Admiralty and
War Office.

DRIVING ROPES.

Special Prices to Canadians under the New
Preferential Tariff, 33 1-3 per cent. in favor of
Canadian buyers.

ATKINSON BROTHERS, LTD.,

MILTON WORKS and
BRITANNIA STEEL WORKS, Sheffield, Eng.,



STEEL CONVERTERS and REFINERS
Manufacturers
of ... **BEST CAST STEEL**

... FOR
LATHE and Planing Tools, Milling Cutters, Screwing Tackle, Shear Blades, Punching
Tools, Chisels, Files, Miners' Drills, Hammers, Sates, Smiths' Tools, Rivet Tools, Spin-
dles, Weiding Steel, and Sheet Steel for all purposes.

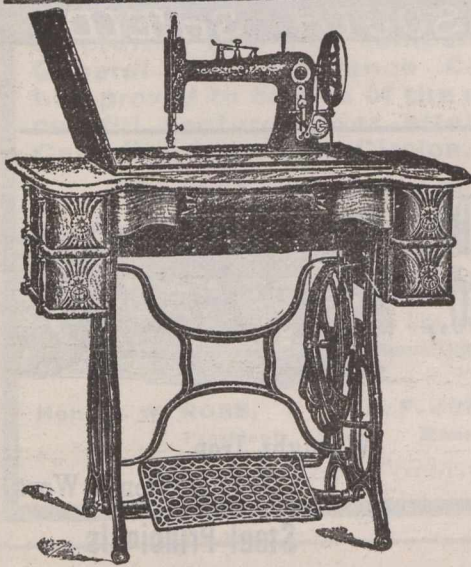
Eclectic Steel Co., Limited,

Princess Street Works,
SHEFFIELD, Eng.

MANUFACTURERS OF
CRUCIBLE CAST STEEL
FOR ALL PURPOSES.

Special Miners Drill Steel
Ground and Polished Steel for Shafting.

SPECIAL NOTE.—This Special Steel is manufactured for the Canadian Market, under the new preferential tariff, 33½ per cent. in favour of the English makers.



We make High Grade Family **SEWING MACHINES**

For the Merchant's Trade

Write us for Prices and Terms.

We can interest you.

FOLEY & WILLIAMS M'FG. CO.,

Factory and General Office :

CHICAGO, Illinois.

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

Contractors to the British Admiralty and India Office.

H. Charlton & Co.,
SOUTH SHORE Rd.

Engineers & Anchor Manufacturers,
Gateshead-on-Tyne, - England.
Telegraphic Address: "CHARLTON HAWKS, GATESHEAD."

YOU WANT **ANCHORS?**

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



YOU WANT **FANS?**

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

Sole Manufacturers of

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

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

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

**Journal of Commerce Job
Department for Printing.**

ESTABLISHED 1810

JOHN SPENCER & SONS, L^TD.,

(Works:—At NEWBURN and OUSEBURN, NEWCASTLE-ON-TYNE),

Newburn Steel Works,

NEWCASTLE-ON-TYNE, ENGLAND,

Offices: { Newcastle-on-Tyne: 27 Westgate Road,
London: Cannon Street Buildings, 139 Cannon Street.

ON ADMIRALTY LIST.

MANUFACTURERS OF STEEL

By the Siemens', Cementation, and Crucible Processes.

SHIP and BOILER PLATES up to 11 Feet Wide.

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

Rivet Steel. Special Mild Steel for Boiler Flues.

STEEL FORGINGS, STEEL CASTINGS,

Of all descriptions, to any weight, Rough or Machined.

CRANK AXLES & SHAFTING HYDRAULIC PRESSED.

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

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

FOSTER'S & FOWNES' Patent CRANK SHAFTS.

WASTENEYS SMITH'S PATENT STOCKLESS ANCHORS,

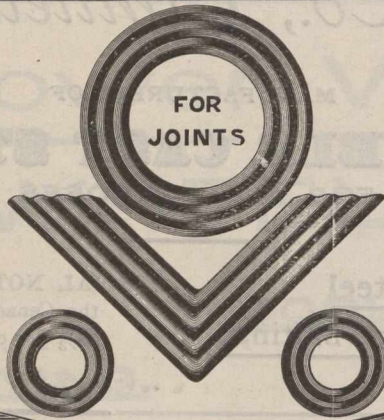
Special price to Canadians under the New Tariff.

TAYLOR'S PATENT

CONTRACTORS TO THE ADMIRALTY

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



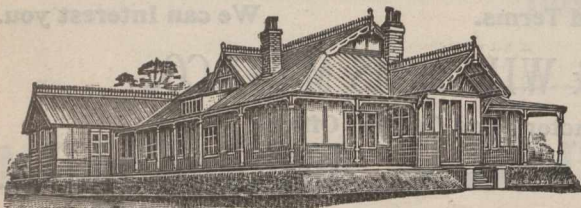
METALLIC PACKING.

& 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



BUNGALOW.

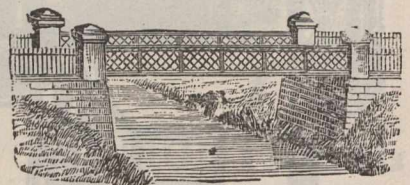
MANUFACTURERS OF

IRON BUILDINGS,

Churches, Schools,
 HOSPITALS, BARNs,
 WAREHOUSES,
 HEAPSTEADS.

Huts, Hay Sheds, Farm Buildings.

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



Wrought Iron
 Constructional Work.

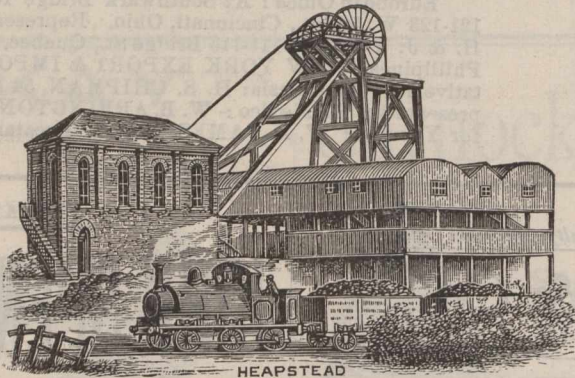
Steel Principals

GIRDER.,
 BRIDGES,

CAGES,

FENCING, &c.

COLUMNS.



HEAPSTEAD

Special Prices to Canadians under the New Tariff.

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, &c. are of World-Wide renown.

Established over 100 Years.

Manufactory: East Holborn; Offices: Dean Street,
 SOUTH SHIELDS,
 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.

IAS. H. BEATTY, President. DAVID DEXTER, Managing Director.

J. K. McCUTCHEON, Sup't. of Agencies.

H. RUSSELL POPHAM, Provincial Manager.

"The amalgamation of the Manufacturers Life and Temperance and General Life Assurance Companies has proved to be one of the most successful ventures ever attempted in Canadian Insurance Circles."

Write for Annual Report for 1901 of

THE MANUFACTURERS LIFE INSURANCE COMPANY

(Formerly The Manufacturers Life and Temperance and General Life Insurance Companies)

Hon. C. W. ROSS, President. J. F. JUNKIN, Managing Director.
 Head Office—Toronto.

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 1,628,951
 Surplus..... 15,089,822
 Receipts from all sources 41,958,145
 Payments to Policy holders..... 20,885,472
 Whole Life Risks assumed and renewed 219,308 policies 687,726,276
 Risks in force : 273,213 policies, amounting to..... 801,867,478

NOTE.—The above statement shows a large increase over the business of 89 in amount at risk, new business assumed, payments to policy-holders, receipts, assets and surplus; and includes as risks assumed only the number and amount of policies actually issued and paid for in the accounts of the year

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 Edinburgh, Scotland.

ESTABLISHED 1844.

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 \$ 3,977,263.88
 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 in Province of Ontario.

NEW YORK LIFE

INSURANCE COMPANY.

JOHN A. McCALL, President.

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

AN UNPARALLELED RECORD.

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

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

R. HOPE ATKINSON.

AGENCY DIRECTOR,

Company's Building, MONTREAL

J. DUNCAN DAVISON

Imperial Bdg. 107 St. James Street,
Montreal.

→ . . . COMMISSIONER

For Following Provinces:

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

LIVERPOOL & LONDON & GLOBE

INSURANCE COMPANY.

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

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

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

Canada Board of Directors:

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

Head Office, Canada Branch:

MONTREAL.

THE WATERLOO MUTUAL

Fire Insurance Company.

Established in 1863. Head Office, Waterloo, Ont.

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

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

UNCONDITIONAL POLICIES

ARE ISSUED BY THE . . .

CONFEDERATION LIFE ASSOCIATION.

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

Full information sent on application.

H. J. JOHNSTON,

Prov. Manager,

174 ST. JAMES ST.,
MONTREAL.

W. C. MACDONALD,
Actuary.

J. K. MACDONALD,

Managing Director.

Head Office, - TORONTO.

LIFE INSURANCE ANNOUNCEMENT.

JANUARY, 1902.

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

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

Head Office,
MONTREAL.

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

B. S. & W. WHITELEY

Press
Paper
Manufacturers,

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

WESTERN ASSURANCE COMPANY.

FIRE AND MARINE. Incorporated 1851.

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

Head Office, - Toronto, Ont.

Hon. GEO. COX, Pres. J. J. KENNY Vice-Pres. & Man.-Dir
C. C. FOSTER, Secretary.

Montreal Branch, - - 189 ST. JAMES STREET.

ROBT. BICKERDIKE, Manager.

ROUTH & CHARLTON, City Agents.

THE IMPERIAL INSURANCE COMPANY LIMITED

FIRE.

LONDON.

ESTABLISHED 1808.

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

Canadian Branch:

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

NATIONAL ASSURANCE COMPANY OF IRELAND.

ESTABLISHED 1822.

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

Canadian Branch:

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H. M. LAMBERT, . . . MANAGER.

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—OF—

North Star, Crescent
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Purity, Brightness, Loftiness.

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

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HEAD OFFICE, Canadian Branch, - MONTREAL