

TORONTO

Telephone No. 1639

Cable address, "PLATE."

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IMPORTERS OF Every kind of ROLLED PLATES, and Plain, Colored and Ornamental WINDOW GLASS.

BRITISH ROUGH-CAST MIRROR

PLATE GLASS

PLATE GLASS shipped to and Fixed at any point in the Dominion.

ART STAINED GLASS for Churches and Dwellings Venetian and Mosaic Work. Designs and Estimates on application.

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LIME AND STONE CO.

HEAD OFFICE: FOOT OF WEST MARKET STREET, TORONTO.

MANUFACTURERS OF

Grey Lime, Ouelph White Lime, Dealers in Stone of all kinds, Cement, Plaster, Hair, Sewer Pipe, &c.

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BUILDERS' HARDWARE.

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Write for Catalogue of above Goods. Estimates given on Special Hardware by any Architect.

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PETER LYALL,

BUILDER AND CONTRACTOR,

Dealer in Building Materials,

MONTREAL, QUEBEC.

QUEENSTON CEMENT WORKS

We positively manufacture the

BEST CEMENT IN CANADA.

For testimonials, samples, terms, etc., address

ISAAC USHER & SON, THOROLD, ONTARIO.

THOROLD HYDRAULIC CEMENT MILLS

JOHN BATTLE, Proprietor,

THOROLD, - - ONTARIO.

OTTAWA, 9th June, 1884.

DEAR SIR, - I duly received your letter of the 31st ultimo, requesting my opinion relative to the Cement manufactured at your establishment in Thorold, in reference to which the following is respectfully submitted: For the past forty years the natural Hydraulic Cement obtained at Thorold, Province of Ontario, has been used to my knowledge, on various extensive public works, and in every instance the result has proved highly satisfactory. When properly burned, ground fine, and used fresh from the mill, it will compare favorably with any natural or artificial cement that I know of for building or other purposes in a moist position, or for walls that have been built a few weeks before water has been let on them. It is well adapted for concrete foundations, walls, drains, cisterns, or indeed, for any hydraulic works; when properly prepared and mixed with two parts of clean sharp sand to one of cement, the result will invariably give good satisfaction. I am, sir, yours very truly,

JOHN BATTLE, Esq., Cement Manufacturer, etc., Thorold, Ont.

JOHN PAGE, Chief Engineer of Canals, Canada.

QUEBEC, MONTREAL, OTTAWA & OCCIDENTAL RAILWAY. CHIEF ENGINEER'S OFFICE.

JOHN BATTLE, Esq., Thorold; MONTREAL, 31st March, 1881. DEAR SIR, - I have tested with Reim's Testing Machine the tensile strength of six blocks made from the barrel of Thorold Hydraulic Cement which you sent me last summer. The blocks were made of best cement, and were 1 1/2 inches square at the smallest part. Four of them were kept 33 days in air, and only broke under the following weights: No. 1, 420 lbs.; No. 2, 470 lbs.; No. 3, 475 lbs.; No. 4, 430 lbs.; averaging 427 lbs. each, or 124 lbs. per square inch. The remaining two were kept one day in air, and forty-seven in water, and broke under the following weights: No. 5, 470 lbs.; No. 6, 470 lbs.; averaging 475 lbs. each, or 133 lbs. per square inch. Yours truly,

A. P. PETERSON, Chief Engineer, Quebec, Montreal, Ottawa & Occidental Railway.

The THOROLD CEMENT is sold by the following dealers: Toronto, - Edward Terry, 21 George St. Robert Carroll, 66 Adelaide St. West. Joseph Adamson, Esplanade, foot of George St. Hamilton, - W. A. Freeman, James St. W. J. P. Gordon, James St. London, - A. D. Cameron, Barwell St. Boston, - C. & Co. 240 Baltham St.

THE "NOVELTY"

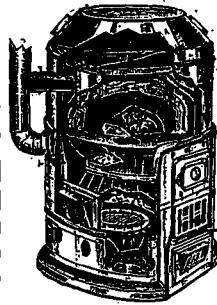
Steel Plate Warm Air Furnace. THE ACME OF CONSTRUCTION.

More good points than any heater on the market. Powerful, economical and perfect in operation. It produces more heat from the coal consumed than any other heater. It is the most successful of all furnaces in heating isolated country houses.

Send for Catalogue. Estimates furnished.

Toronto Furnace Co.

8 & 10 Queen St. East, - TORONTO MANUFACTURERS OF GLIDE MOVEMENT HOT AIR REGISTERS.



MAGUIRE'S Ventilating

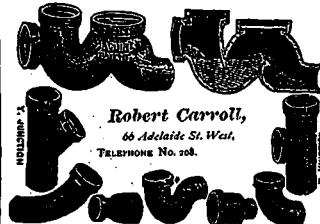
Sewer Pipe,

Self-Flushing and Self-Cleaning Trap.

Chimney Tops,

Fire Brick,

Fire Clay,



Robert Carroll, 66 Adelaide St. West, TELEPHONE No. 208.

PORTLAND

THOROLD CEMENTS

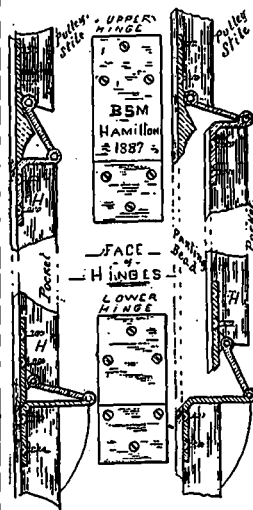
always on hand.

Maguire's Tilt Drain Trap, particularly adapted for house drainage and overhead sewer ventilation. The only reliable self-cleaning Trap in the market. Owing to the fact that the outlet C is below the inlet A, and formed as shown, any liquid or solid matter entering the Trap B must, when it once reaches the top of seat D, flow over and fall clear into the outlet C, not only increasing the velocity of the flow of the water and solid matter through the Trap B by creating a fall from the said Trap, but it is also so shaped that it effectually prevents any backwash through the outlet C into the trap B.

YOUNG'S

IMPROVED PULLEY STYLE HINGE

For Box Frame Windows.



SHOT - (To take out sash)

WITH the above hinges the ordinary double hung window sashes can be taken out of the frames first, without disturbing the stops or parting beads, and are the result of long experiment, to insure strength and perfect action. The parting beads are cut to measure, and slide in with the pockets H, to clear the check of sash - thus the sash receives its full side, and clearing the opposite parting bead brackets over, the pulley boxes are in the pockets H, and the lines are held in a lock place on inside of sash by means of a knot on the end of the line, which is released and run up to the pulley box in taking out the sash. The attention of

architects and builders is called to these hinges. For further information and price apply to the inventor,

J. H. YOUNG, 117 KING ST. WEST, - HAMILTON, ONT. AGENTS WANTED.



SEALED TENDERS addressed to the undersigned and endorsed "Tenders for the Sault Ste. Marie Canal," will be received at this office until the 10th inst. and western mails on TUESDAY, the 23rd day of October next, for the formation and construction of a Canal on the Canadian side of the river, through the Island of St. Mary.

The works will be let in two sections, one of which will embrace the formation of the canal through the Island; the construction of locks, &c. The other, the deepening and widening of the channel-way at both ends of the canal; construction of piers, &c.

A map of the locality, together with plans and specifications of the works, can be seen at this office on and after Tuesday, the 9th day of October, next, where printed forms of tenders can also be obtained. For full class of information, relative to the works, can be seen at the office of the Local Officer in the town of Sault Ste. Marie. Tending contractors are requested to bear in mind that tenders will not be considered unless made strictly in accordance with the printed forms and be accompanied by a letter stating that the persons or persons tendering have carefully examined the locality and the nature of the material found in the trial pits.

In the case of firms, there must be attached the actual signatures of the full name, the nature of the occupation and residence of each member of the same; and further a bank deposit receipt for the sum of \$20,000 must accompany the tender for the canal and locks; and a bank deposit receipt for the sum of \$7,500 must accompany the tender for the deepening and widening of the channel-way at both ends, piers, &c.

The respective deposit receipts - cheques will not be accepted - must be endorsed over to the Minister of Railways and Canals, and will be forfeited if the party tendering declines entering into contract for the works, at the rates and on the terms stated in the offer submitted.

The deposit receipt will be returned to the respective parties whose tenders are not accepted.

The Department does not, however, bind itself to accept the lowest or any tender. By order, A. P. BRADLEY, Secretary, Department of Railways & Canals, Ottawa, 8th August, 1888.