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Every kind of ROLLED  
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PLATE GLASS shipped to and Fixed at any point in the Dominion.

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Orey Lime, Guelph White Lime, Dealers in Stone of all kinds,  
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**BUILDERS' HARDWARE.**

AGENTS FOR

- Hopkins & Dickinson, Bronze Goods, - New York.
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  - Norton Door Check and Spring, - New York.
- Write for Catalogue of above Goods. Estimates given on Special Hardware by any Architect.

**FOOT-POWER MACHINERY.**  
CONSIDERED BY CONTRACTORS AND BUILDERS.  
Machines for ripping, cross-cutting, planing and  
sanding, forming edges, grooving, rabbeting, cutting  
dados, and turning. Builders use our Hand Circular Rip Saw  
for the greater portion of the ripping in preference to carrying their  
lumber to a mill five minutes' drive from their shops. The same  
is true in regard to scroll sawing, mortising, tenoning, cutting and  
for drawers boxes. Builders using these machines can bid  
lower and save more money from their contractors than by any  
other means.

Send the Following Letters from Builders:  
CLARENCE F. LEE, carpenter and builder, Morrisville, N. Y., 31st: "I have had one of your  
Hand Circular Rip saws, and am much pleased with it. Have done  
the ripping for 15 houses in that time, which is over forty miles through inch boards. Have ripped  
as high as 8-inch plank. It is also good for rabbeting; having rabbeted all joints  
for 200 windows."  
ALEX. SMITH, Linn, Ohio, says: "A few days ago we had some 100 small drawers  
to make for a drug store (the steam power mill wanted to come each, for making them  
with my foot-power machinery I made them, and saved above good wages on the job  
If desired, these machines will be sold ON TRIAL.  
The purchaser can have ample time to test them in his own shop and on the work  
he wishes them to do. Descriptive Catalogue and Price List Free.  
W. W. & JOHN BARNES CO., No. 4, Study St., Rockford, Ill

**A. R. WILLIAMS - Soho Machine Works - TORONTO**

Exclusive Canadian Agency.

Send for Catalogue. Mention this Paper.

Telephone No. 27. Established 1841

**THOROLD HYDRAULIC CEMENT MILLS**

JOHN BATTLE, Proprietor,

THOROLD, - - - ONTARIO.

OTTAWA, 7th June, 1884.

DEAR SIR,—I duly received your letter of the 1st 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 in 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 PAGE, Chief Engineer of Canada, Canada.

QUEBEC, MONTREAL, OTTAWA & OCCIDENTAL RAILWAY.

CHIEF ENGINEER'S OFFICE,

MONTREAL, 31st March, 1881.

DEAR SIR,—I have tested with Reiche'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 neat 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, 430 lbs.; No. 4, 470 lbs.; averaging 437 lbs. each, or  
192 lbs. per square inch. The remaining two were kept one day in air, the remaining one in water, and broke under  
the following weights: No. 5, 420 lbs.; No. 6, 450 lbs.; averaging 435 lbs. each, or 193 lbs. per square inch.

Yours truly,

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

The THOROLD CEMENT is sold by the following dealers:

Toronto—Edward Terry, 43 George St.  
" Robert Carroll, 60 Adelaide St. West.  
" Joseph Atkinson, Esplanade, foot of  
" George St.

Hamilton—W. A. Freeman, James St.  
" J. P. Gordon, James St.  
" London—A. D. Cameron, Burwell St.  
" Bowman & Co., 86 Balthazar St.

**CHARLES BECK,**  
(Successor to A. Pike.)  
— PROPRIETOR OF THE —  
**CELEBRATED RIVERVIEW STONE QUARRIES  
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DEALER IN ALL KINDS OF BUILDING STONE AND LIME.  
Practical Stone Cutter, 25 Years' Experience.  
ORDERS SOLICITED. CORRESPONDENCE IN ENGLISH, GERMAN OR FRENCH  
**C. BECK,** - Guelph, Ont.

**MAGUIRE'S Ventilating  
Self-Flushing and Self-Cleaning Trap.** Sewer Pipe,  
Chimney Tops,  
Fire Brick,  
Fire Clay,  
**PORTLAND  
—AND—  
THOROLD CEMENTS**  
always on hand.

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

Maguire's Tile 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, say liquid or solid matter entering the Trap B, must, when it flows reaches the top of seal 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.

**Montreal Terra Cotta Lumber Co.**  
Works at Maisonneuve, Office 86 St. Peter St.  
J. BARSALOU, PRESIDENT.

**Porous Terra Cotta Building Material**  
FOR FIREPROOF BUILDING PURPOSES.

IT is not excelled by any other material and does not crack or fall to pieces on  
the application of cold water when red hot. It is also proof against damp,  
frost, and vermin, and can be sawn, nailed and worked with carpenters' tools.  
Mortar adheres to it without either furring or lathing, and makes the house built  
of it cooler in summer and warmer in winter, and weighs less than half what  
brick does. It is much better in every way than either wood or brick for inside  
walls, partitions, floors, ceilings, furring and roofs, and on the average cheaper  
than either. It has the recommendation of architects and is certain to reduce  
the cost of fire insurance.

Further information will be cheerfully given to parties repairing, building or  
intending to build.

**MONTREAL TERRA COTTA LUMBER CO., LIMITED.**  
MONTREAL, - - - QUEBEC.

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MANUFACTURERS OF  
**WALTERS' PATENT  
METALLIC SHINGLES**  
AND  
**SIDING PLATES.**

WE guarantee every building covered with  
Shingles will give absolute protection from wind,  
rain or snow, and give double the service of the  
same material put on by any other method. They  
are fire-proof, and make the handsomest roof known,  
and easily put on.

Send for particulars.  
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