

MUNICIPAL ENGINEERS, CONTRACTORS, AND MATERIALS.

row end into the liquid to be tested, and any effects may be noted. Be careful to keep all the apparatus clean, and get the chemicals pure. The water may be distilled twice, as it will then be purer. *Plumber and Decorator.*

LEGAL DECISIONS AFFECTING MUNICIPALITIES.

An important case has just been decided at Three Rivers, Quebec. In 1886 the corporation granted a bonus of \$20,000 to the firm of Hall, Nelson & Co. for the erection in that city of saw mills, box factory, etc., on certain conditions, and as guarantee the corporation took a mortgage on the establishments, which mortgage was to be cancelled after four years if all the conditions had been well fulfilled. The question raised in the case was whether the by-law had been complied with. The court decided that it had and ordered the mortgage to be cancelled in favor of the Banque du Peuple, which has a subsequent mortgage on the establishment.

The German Minister of Education advises that school-houses should be aired after night where it can be done with safety; where it cannot, he recommends that the windows be left open from four o'clock in the morning until school time, and left open after school closes until dusk. He insists that the schools should be thus thoroughly aired every day.

Established 1841.

THOROLD CEMENT  
OVER

ONE MILLION BARRELS  
USED BY THE  
GOVERNMENT OF  
CANADA IN THE  
MOST IMPORTANT  
PUBLIC WORKS IN  
THE COUNTRY.

MANUFACTURED BY

ESTATE OF JOHN BATTLE,  
Thorold, Ontario.

ASPHALT PAVING

We are prepared to do first-class work on WALKS, FLOORS, CELLAR BOTTOMS, &c., with ROYAL ASPHALT, which is conceded to be the best for this class of work.

H. WILLIAMS & CO.,  
Roofers and Pavementers,

4 Adelaide Street East, - TORONTO.

DIRECT IMPORTERS AND  
DEALERS IN  
SCOTCH FIRE CLAY-  
BRICK,

F. HYDE & CO.  
DRAIN AND WATER  
PIPES,  
Double Strength for rail-  
way culverts, etc.

Sewer Bottoms or Invert Blocks, Cement.  
NOTE—Only pure SCOTCH unglazed Fire Clay  
Lining will be kept in stock; any other quality is  
worthless for resisting heat. Correspondence invited.  
Quotations promptly furnished.  
Office: 31 Wellington St., Montreal.

ISAAC USHER & SON,  
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Manufacturers of

QUEENSTON CEMENT

Proved by Government tests to be the best Cana-  
dian natural cement. Write for prices, &c.

St. George's Patent Sectional

VITRIFIED CLAY SEWER

—AND—

CAST IRON STREET GULLEY.

Over 5000 Gulleys are now in use in the following  
towns: Montreal, Toronto, Ottawa, Quebec, St. Cune-  
gonde, St. Henri, Peterboro, Owen Sound, Sarnia,  
Cote St. Antoine. A saving of \$22 on each gulley over  
the brick gulleys



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Engineer and Contractor,

New York Life Building, - MONTREAL.  
AGENT.

DEBENTURES WANTED.

Municipalities issuing debentures, no matter for what  
purpose, will find a ready purchaser by applying to  
G. A. STILSON, 9 Toronto Street, Toronto.  
N.B.—Money to loan at lowest rates on first mortgage.

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tractors and others are re-  
quested to mention the CONTRACT  
RECORD in correspondence with  
advertisers.

GOWER & CO.

204 St. James Street,  
MONTREAL,

—AND—

33 Richmond St. West,  
TORONTO.

PURE ASPHALT  
OF VARIOUS BRANDS

FOR  
ROADWAYS,

SIDEWALKS,

Factories, Cellars, Stable and  
Coach-house floors.

On concrete base or on wooden flooring.

ALSO ROOFS. Estimates furnished.

HAMILTON and TORONTO SEWER PIPE CO.

—FOR—



HEAD OFFICE AND FACTORY, HAMILTON, CANADA.

SEWERS,  
CULVERTS,  
AND  
WATER PIPES.  
INVERTS  
For Brick Sewers

Write for Discounts.

EUREKA CONCRETE SIDEWALKS

FOR CELLARS, FLOORS, STABLES, ETC.

A. GARDNER & CO., - ROOM D, YONGE STREET ARCADE, TORONTO.  
TELEPHONE 2147.

Canadian Bridge & Iron Co.

MONTREAL.

Architectural Ironwork a Specialty.

Pleased to furnish estimates.

THE J. C. EDWARDS

Vitrified Terra Metallic Paving Brick

—FOR—

STABLE, COACH HOUSE, BOILER HOUSE, BREWERY FLOORS AND YARDS,  
Also all places of heavy and light traffic.

The only Genuine Vitrified Brick! The best in the world for Sidewalks & Street Crossings  
FROST-PROOF, WATER-PROOF, FIRE-PROOF

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AGENT FOR CANADA,

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Peterborough, Ont.

WM. H. LAW, Proprietor and Engineer.

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RAILWAY AND HIGHWAY BRIDGES

Viaducts, Piers, Roofs, Turntables and  
Girders in Steel and Iron.

Tension members forged without welds. Riveting  
done by hydraulic or compressed air machinery.  
Specialties: Good workmanship and strict adherence  
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CAPACITY 2,000 TONS PER ANNUM.

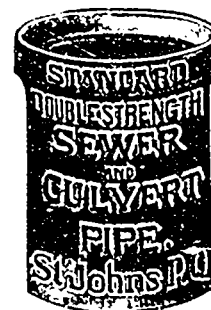
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TORONTO

R. E. H. BUCKNER,  
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PATENT CAST IRON GULLIES,  
Vitrified Clay Sewers - Dust Bins - Sewer Pipe  
Cements - Steam Road Rollers - Stone  
Breakers - Street Scrapers  
Horse Brushes, etc.

THE STANDARD DRAIN PIPE CO.

OF ST. JOHNS, P. Q. (LIM.)



Manufacturers of

Salt-Glazed,  
Vitrified

SEWER  
PIPES

Double Strength  
Railway Cul-  
vert Pipes,  
Inverts, Vents,

AND ALL KINDS OF FIRE CLAY GOODS.

Prices of Building Materials.

LUMBER.

CAN OR CARCO LOTS.

	Toronto.		Montreal.	
1 1/2 to 2 clear picks, Am ins	\$ 30.00	\$ 32.00	\$ 40.00	\$ 45.00
1 1/2 to 2 three uppers, Am ins	37.00	40.00	45.00	48.00
1 1/2 to 2 pickings, Am ins	27.00	29.00	30.00	32.00
3 inch clear	52.50	55.00	60.00	65.00
1 x 10 and 12 dressing and better	18.00	20.00	18.00	20.00
1 x 10 and 12 mill run	13.00	14.00	10.00	11.00
1 x 10 and 12 dressing	14.00	16.00	10.00	11.00
1 x 10 and 12 common	12.00	13.00	8.00	10.00
1 x 10 and 12 spruce culls	10.00	11.00	10.00	11.00
1 x 10 and 12 maple culls	9.00	10.00	9.00	10.00
1 inch clear and picks	28.00	30.00	33.00	35.00
1 inch dressing and better	18.00	20.00	18.00	20.00
1 inch siding, mill run	14.00	16.00	14.00	16.00
1 inch siding, common	11.00	12.00	12.00	14.00
1 inch siding, ship culls	10.00	11.00	10.00	11.00
1 inch siding, mill culls	8.00	9.00	8.00	9.00
Cull scantling	8.00	9.00	8.00	9.00
1 1/2 and thicker cutting up plank	22.00	25.00	22.00	25.00
1 inch strips, 4 in. to 8 in. mill run	14.00	15.00	14.00	15.00
1 inch strips, common	11.00	12.00	11.00	12.00
1 1/2 inch flooring	14.00	15.00	14.00	15.00
1 1/2 inch flooring	14.00	15.00	14.00	15.00
XXX shingles, sawn, per M	2.30	2.35	2.30	2.35
16 in.	1.30	1.35	1.30	1.35

YARD QUOTATIONS.

Mill cull boards and scantling	10.00	10.00
Shipping cull boards, pro- miscuous widths	13.00	13.00
Shipping cull boards, stocks	16.00	16.00
Hemlock scantling and joist up to 16 ft.	12.00	12.00
Hemlock scantling and joist up to 18 ft.	12.00	13.00
Hemlock scantling and joist up to 20 ft.	13.00	14.00
Scantling and joist, up to 16 ft.	14.00	14.00
" " 18 ft.	15.00	15.00
" " 20 ft.	16.00	16.00
" " 22 ft.	17.00	17.00
" " 24 ft.	19.00	19.00
" " 26 ft.	21.00	21.00
" " 28 ft.	23.00	23.00
" " 30 ft.	25.00	25.00
" " 32 ft.	27.00	27.00
" " 34 ft.	29.00	29.00
" " 36 ft.	31.00	31.00
" " 38 ft.	33.00	33.00
" " 40 to 44 ft.	35.00	35.00