

specimens were allowed to stand 13 days before completing the experiment. At the end of this time they were put into a standard testing machine and pulled. The plain 1-inch bolt began to yield at 20,000 pounds, and the threaded one at 12,000 pounds. The 2-inch plain bolt began to yield at 34,000 pounds, and the threaded one at 32,000 pounds, the strain in all cases being very slowly applied. The pump was then run at a greater speed, and the stones holding the 2-inch bolts split at 67 pounds in the case of the smooth one, and at 50,000 pounds in the case of the threaded one.

It is thus seen that cement is more reliable, stronger and easier of application than either lead or sulphur, and that its resistance is from 400 to 500 pounds per square inch of surface exposed. It is also a well-ascertained fact that it preserves iron rather than corrodes it. The cement used throughout the experiment was an English Portland cement. —“A. A. S.” in *The Polytechnic (Troy)*.

LEGAL DECISIONS.

A judgment of great interest to contractors, says the *Montreal Gazette*, was delivered yesterday by Mr. Justice Wurtel in the case of the *Baie des Chaleurs* railway vs. Messrs. Riddell and Watson in their capacity as curators to the insolvent estate of Mr. Henry Macfarlane, of Toronto. The injunction restrains them from removing any material from the company's road pending the issue of the action taken by the company to cancel its contract with Macfarlane for the construction of the road, the petition also asking that respondents be ordered to put back a number of rails already removed. The court also granted the demand, as far as the future was concerned, and ordered the respondents not to remove anything belonging to the company; but certain material declared to belong to the Dominion Bridge Company and mentioned in a previous judgment might be allowed to be removed by the latter company and the present judgment would also not affect the rails already removed. The *Baie des Chaleurs* company must also furnish \$1,000 security within 20 days, otherwise the writ of prohibition becomes null and void.

TENDERS

Will be received up to September 8th, for the erection and completion of a

Cottage on Well's Hill.

EDWARDS & WEBSTER, Architects,
18 Victoria Street, Toronto.

TO BUILDERS.

Tenders will be received up to noon of SATURDAY, SEPTEMBER 6TH, for the erection of a

Brick School in Little York.

The lowest or any tender not necessarily accepted.

MANCEL WILLMOT, Architect,

3 Temperance Street, Toronto.

CITY PUBLIC SCHOOLS

To Builders and Contractors.

TENDERS

Whole or separate, are requested for the several trades required in the erection of a

New School Building on Church Street.

Plans and specifications may be seen on and after Monday, August 25th, and all information obtained at the office of C. H. Bishop, Superintendent of School Buildings.

Tenders on forms supplied by the Superintendent of Buildings to be delivered at the office of the Secretary Treasurer of the Public School Board on or before

Thursday Noon, Sept. 4th, 1890.

Each tender must be accompanied by an accepted bank cheque for five per cent. of the amount of tender, as per regulations of the Board.

The lowest or any tender will not necessarily be accepted.

JAMES KERR,

Chairman of Committee.

W. C. WILKINSON,

Sec. Treas. T. P. S. B.



NOTICE TO CONTRACTORS.

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to noon on Tuesday, the 6th day of September, for the following works:

SEWERS—Symington ave., Earnest street to C. P. Ry.; Batty street, Broadview ave. to Bowden street; Royce street, Perth street to Symington ave.; Mowat ave., King street to south terminus; Curzon street, Queen street to Sproutt ave.; Howard Park ave., Dundas street to Roncesvalles ave.; Christie street, present terminus of sewer to north city limit; Radcliffe ave., Eastern avenue to Queen street; Davenport road, Yonge street to Hazelton ave.

PAVEMENTS—Tuzel ave. to Pape ave.; College street, north side, Major street to Borden street.

STONE FLAGGING—Yonge street, west side, Queen street to College Street.

Plans can be seen and forms of tender obtained at the City Engineer's office, on and after the 2nd day of September.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 5 per cent. on the value of the work tendered for under \$1,000, and 2 1/2 per cent. over that amount, must accompany each and every tender, otherwise it will not be entertained. All tenders must bear the bona fide signatures of the contractor and his sureties (see specifications) or they will be ruled out as informal.

The Committee do not bind themselves to accept the lowest or any tender.

NOTICE TO PROPERTY OWNERS.

Property owners on the above named streets are hereby notified by order of the City Engineer, that unless private drain connections, water and gas services, where required, are made before the construction of the pavements, a charge of \$2.50 per square yard of surface to be broken will be made if permission is asked to lay them afterward.

JOHN SHAW,

Chairman Committee on Works.

Committee Rooms, August 25th, 1890.

Prices of Building Materials.

LUMBER.

CAR OR CARGO LOT.

1 1/2 and thicker clear picks, Am. ins.	\$30 00	@32 00
1 1/2 and thicker, three uppers, Am. ins.	27 00	37 00
1 1/2 and thicker, pickings, Am. ins.	27 00	37 00
1 x 10 and 22 dressing and better.	18 00	20 00
1 x 10 and 12 mill run.	13 00	14 00
1 x 10 and 12 dressing.	14 00	16 00
1 x 10 and 12 common.	12 00	13 00
1 x 10 and 12 spruce culls.	10 00	11 00
1 x 10 and 12 maple culls.	9 00	9 00
1 inch clear and picks.	28 00	30 00
1 inch dressing and better.	18 00	20 00
1 inch siding, mill run.	14 00	16 00
1 inch siding, common.	11 00	12 00
1 inch siding, ship culls.	\$10 00	\$12 00
1 inch siding, mill culls.	8 00	9 00
Cull scantling.	8 00	9 00
1 1/2 and thicker cutting up plank.	22 00	25 00
1 inch strips, 4 in. to 8 in., mill run.	14 00	15 00
1 inch strips, common.	12 00	12 00
1 1/2 inch flooring.	14 00	15 00
1 1/2 inch flooring.	14 00	16 00
XX shingles, sawn.	2 30	@ 2 35
XX shingles, sawn.	1 30	@ 1 35
Eastlake galvanized steel shingles, 24 W. G., per square.	5 00	
Eastlake galvanized steel shingles, 26 W. G., per square.	5 50	

Eastlake painted steel shingles, per sq.	4 00
Round pointed galvanized steel shingles, per sq.	6 00
Round pointed painted steel shingles, per sq.	4 95
Round pointed, unpainted, Terne lin shingles.	4 00
Manitoba galvanized, steel siding, per square.	5 00
Manitoba painted steel siding, per sq.	3 50
Painted sheet steel pressed brick.	3 50
Painted crimped steel sheeting.	3 40
Price of Copper shingles according to weight.	

YARD QUOTATIONS.

Mill cull boards and scantling.	10 00
Shipping cull boards, promiscuous widths.	13 00
Shipping cull boards, stocks.	14 00
Hemlock cantling and joist up to 16 ft.	11 00 12 00
" " " 18 "	12 00 13 00
" " " 20 "	13 00 14 00
Scantling and joist, up to 16 ft.	14 00
" " " 18 ft.	15 00
" " " 20 ft.	17 00
" " " 22 ft.	19 00
" " " 24 ft.	21 00
" " " 26 ft.	23 00
" " " 28 ft.	25 00
" " " 30 ft.	27 00
" " " 32 ft.	27 00
" " " 34 ft.	29 50
" " " 36 ft.	31 00
" " " 38 ft.	33 00
" " " 40 to 44 ft.	36 00
Cutting up planks, 1 1/2 and thicker, dry board.	25 00 26 00
Cedar for block paving, per cord.	18 00 22 00
Cedar for Kerbing, 4 x 14, per M.	5 00 14 00

B. M.

1 1/2 inch flooring, dressed, F. M.	28 00	31 00
1 1/2 inch flooring rough, B. M.	18 00	22 00
1 1/2 " " dressed, F. M.	25 00	28 00
" " " undressed, B. M.	18 00	19 00
" " " dressed.	18 00	22 00
" " " undressed.	12 00	15 00
Beaded sheeting, dressed.	22 00	35 00
Clapboarding, dressed.	12 00	12 00
XXX sawn shingles, per M, 16 in.	2 65	2 75
Sawn lath.	2 00	2 20
Red oak.	30 00	40 00
White.	15 00	45 00
Basswood, No. 1 and 2.	18 00	20 00
Cherry, No. 1 and 2.	70 00	70 00
White ash, No. 1 and 2.	25 00	25 00
Black ash, No. 1 and 2.	20 00	30 00
Dressing stocks.	16 00	22 00
Picks, American inspection.	40 00	
Three uppers, American inspection.	50 00	

BRICK—M

Common Walling.	\$7 50
Good Facing.	9 00
Sewer.	8 50 9 00

Pressed Brick:

Plain brick, f. o. b. at Milton, per M.	\$17 00
" " " and quality, per M.	13 00
" " " 3rd	10 00
Hard Building.	8 00
Moulded and Ornamental, per 100.	\$3 to 10 00
First quality, f.o.b. at Campbellville, per M	15 00
and " " "	13 00
3rd " " "	10 00
Hard Building.	8 00
Ornamental, per 100.	\$3 to 10 00
Tiles.	24 00

Stone.

Common Rubble, Per Toise, delivered	14 00
Large flat " "	18 00
Foundation Blocks, " Cubic Foot.	35

Slate: Roofing (per square).

" red.	16 00
" purple.	9 00
" unslating green.	9 00
" black slate.	7 50
Terra Cotta Tile, per sq.	24 00
Ornamental Black Slate Roofing.	8 00

Sand:

Per Load of 1 1/2 Cubic Yards.	1 25
--------------------------------	------

PAINTS. (In oil, per lb.)

White lead, Can.	6 25	6 50
" zinc, Can.	6 50	7 50
Red lead, Eng.	5 50	6 50
" venetian.	1 60	1 75
" vermilion.	90	1 00
" Indian, Eng.	10	12
Yellow ochre.	5	10
Yellow chrome.	15	20
Green, chrome.	7	12
" Paris.	25	40
Black, lamp.	15	20
Blue, ultramarine.	65	75
Oil, linseed, raw (per gallon).	63	70
" " boiled.	72	80
" " refined.	78	85
Putty.	2 1/2	2 1/2
Whiting, dry.	75	1 00
Paris white Eng., dry.	90	1 25
Litharge, Am.	6 1/2	8
Sienna, burnt.	15	20
Umber.	8 1/2	12

CEMENT, LIME, etc.

Lime, Per Barrel of 2 bushels, Grey.	40
" " " " White.	55
Plaster, Calcined, New Brunswick.	2 00
" " " Nova Scotia.	2 00
Hair, Plasterers', per bag.	1 00
Cement, Portland, per bbl.	2 80
" Thorold.	2 50
" Queenston.	2 50
" Napanee.	1 50
" Hull.	1 50