

people. The practice is productive of real evil. Doing something for nothing in the business world always means what is done is more or less inefficiently performed. Even when the accuracy of the estimate concerns one so deeply as does that of a competing contractor, there is more or less approximating instead of a strict system of measurement. The painter will say that he cannot afford to spend the time in accurately measuring when there is only one chance in six of his getting the job. Hence he gives in a price which frequently is lower than he would have been prepared to accept had he known the exact amount of work required. Finding himself about to lose money, he "skins" the job, or attempts to do so, and trouble arises. What is true of the painter in this respect is equally true of the other sub-contractors.

A remedy is not difficult to find. What is wanted is a system,

somewhat similar to that already in use on government work, of supplying full bills of quantities. The same system is in general use in England, and is found to answer well. The bills of quantities show exactly the quantity of each item required. Thus, so many cubic yards of excavating, so many rods of brickwork, so many square yards of painting three coats, and so on. The painter or any other contractor has only to put a price on the unit—yard, foot, or whatever it may be—and make a few calculations, to arrive at an estimate. His time is saved, he knows exactly what work he has to do and he is put on equal plane with his competitors. The plan is a good one, and would appear to be worthy of general adoption. —*House Painting and Decorating.*

In all old Roman masonry work, the several blocks of stones were united by strong iron clamps, which effectually prevented the formation of cracks.

**TENDERS**

Will be received from all trades for the erection of an Office Building on Yonge street; House on Ontario Street; 2 houses in Parkdale.

Tenders close March 26th, 1890.

GEO. M. MILLER, Architect,  
Cor. Queen and Yonge Sts.

**TO CONTRACTORS.**

SEALED TENDERS will be received by the undersigned until 12 o'clock noon of

**SATURDAY, THE 29TH INST.,**

for the Mason, Bricklayer, Carpenter, Roofer, Plasterer, Painter and Glazier, and Iron Work of the Administrative Block of the Royal Victoria Hospital to be erected on University Street.

The plans and specifications prepared by Messrs. H. Saxon Snell, F. R. I. B. A., & Son, London, England, to be seen and all necessary information to be had at my office.

The contractors are to submit the names of two sufficient sureties for the due performance of the work, and the consent in writing of such sureties.

JAMES R. RHIND,  
Assistant Architect.

Room 11, Temple Buildings, St. James St.,  
Montreal, 1st March, 1890.

**TO CONTRACTORS.**

Tenders will be received until 5 p. m. on

**Thursday, the 13th March,**

for the various works required in the erection and completion of a building on Elm street, Toronto, for the

YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

Plans and specifications can be consulted at the office of the undersigned. The lowest or any tender will not necessarily be accepted.

GORDON & HELLIWELL,

Architects,

24 KING ST. EAST.



**Notice to Contractors.**

TENDERS will be received by registered post addressed to the City Engineer, up to 12 o'clock noon of the 11th day of March, 1890, for the construction of the following works, viz:

**SEWERS**

Northern Place, Shirley St. to railway track; Front St., Berkeley St. to Trinity St.

Plans can be seen and forms of tender obtained on and after the 4th inst., at the City Engineer's office.

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 2½ per cent. over that amount, must accompany each and every tender, otherwise it will not be entertained.

All tenders must bear the bona fide signature of the contractor and his sureties, (see specification) or they will be ruled out as informal.

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

JOHN HALL,  
Chairman Committee on Works.

Committee Rooms, Toronto,  
26th February, 1890.

**TO RAILWAY CONTRACTORS.**

TENDERS will be received for construction of the Yonge Street loop of the Toronto Belt Line Railway up to 17TH MARCH, AT 12 O'CLOCK NOON.

For particulars apply at company's offices, 82 King Street East, where plan and profile can now be seen; and on and after MARCH 11TH general plans and specifications will be ready for inspection, and detailed information can then be obtained from the engineer at above office. Sealed tenders to be addressed to "The President Belt Line Railway Company," 82 King street east, Toronto.



**TORONTO WATER WORKS.**

TENDERS FOR STAND PIPE.

NOTICE is hereby given that tenders for the construction and erection at the High Level Pumping Reservoir, Avenue Road, of a Steel Stand Pipe with foundation, etc., will be received by registered post only up to the hour of 2 o'clock p. m. on Monday, 24th March.

Plans and specifications may be seen and forms of tender obtained at the offices of the Department, City Hall. Such tenders must be made on the prescribed form and be accompanied by a marked cheque for 2½ per cent. of the amount of the tender.

The lowest or any tender not necessarily accepted.

WM. J. HILL,

Chairman Water Works Committee.

Water Works Department,  
Toronto, March 1st, 1890.



**NOTICE TO CONTRACTORS.**

Tenders will be received by registered post, addressed to the Chairman of the Committee on Works, up to 12 o'clock noon on TUESDAY, THE 11TH OF MARCH, 1890, for the construction of the following works, viz:

**BLOCK PAVEMENTS.**

Grace street, from Arthur street to College street; College street, south side, from Spadina avenue to Augusta avenue; Westmoreland Ave., Durham street to Union street; Dovercourt road, Queen street to Blair street; Bathurst st., Bloor street to the south limit of the C. P. R. tracks; Somerton avenue, from the old boundary between Parkdale and the city to Dundas street; Givens street, from College street to Bloor street; Frankish ave., Brock Ave. to Sheridan Avenue; McKenzie Ave., from Bloor street to the lands of the Ontario and Quebec branch of the C. P. R. Co.

**ASPHALT PAVEMENT.**

Simcoe street, from King street to Queen street. Plans can be seen, quantities and forms of tender obtained on and after Tuesday, the 4th of March, 1890, at the City Engineer's Office.

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 2½ 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.

JOHN SHAW,

Chairman Committee on Works.

Committee Room, Toronto, Feb 27, 1890.

**TENDERS**

Will be received until 5 p. m. on

**TUESDAY, 18TH INST.,**

for the erection of a

**Church on Bloor St. East.**

The lowest or any tender not necessarily accepted.

WM. R. GREGG, Architect,

9 Victoria St., Toronto.

**Prices of Building Materials.**

**TUMBER.**

CAR OR CARGO LOTS.	
1½ and thicker clear picks, Am. ins.	\$30 00 37 00
1½ and thicker, three uppers, Am ins.	37 00
1½ and thicker, pickings, Am ins.	27 00
1 x 10 and 12 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
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 15 00
1 inch siding, common.	11 00 12 00
1 inch siding, ship culls.	10 00 11 00
1 inch siding, mill culls.	8 00 9 00
Cull scantling.	8 00 9 00
1½ 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.	11 00 12 00
1½ inch flooring.	14 00 15 00
1½ 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.	6 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, Round pointed, unpainted, Terne tin shingles.	4 25
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
" " " " " " " "	12 00 13 00
" " " " " " " "	13 00 14 00
Scantling and joist, up to 16 ft.	14 00
" " " " " " " "	15 00
" " " " " " " "	16 00
" " " " " " " "	18 00
" " " " " " " "	20 00
" " " " " " " "	22 00
" " " " " " " "	24 00
" " " " " " " "	26 00
" " " " " " " "	28 00
" " " " " " " "	30 00
" " " " " " " "	32 00
" " " " " " " "	34 00
Cutting up planks, 1½ and thicker, dry board,	25 00 26 00
" " " " " " " "	18 00 22 00