

TESTING CEMENT.—Rough testing of cement, so as to enable a workman to get a crude and imperfect idea of its value, is easy. Enough of the pure cement should be taken to make a ball an inch in diameter and mixed with just sufficient water to make it mold readily and be rolled into a ball. Then it should be exposed to the air and left for two hours. At the end of that time it should be set; then it should be put in water and left. It should grow gradually harder, and should show no signs of cracking or crumbling, even when left for ten days. Any cement that does not endure this test is not of sufficiently good quality to make satisfactory structures; any cement that stands this properly will be generally satisfactory if properly used.

METALLIC CEMENT FOR STONE.

The restoration of some of the most important stone structures in Paris, such as the colonnade of the Louvre, of the Pont Neuf, and of the Conservatoire des Art et Metiers, has been mainly accomplished by means of a metallic cement invented by Prof. Brune. It consists of a powder and liquid, the first composed of two parts by weight of oxide of zinc, two of crushed limestone and one of crushed grit, the whole intimately mixed and ground, ochre in suitable proportions being added as a coloring matter; the liquid employed consists of a saturated solution of zinc in commercial hydrochloric acid, to which is added a part, by weight, of hydrochlorate of ammonia, equal to one-sixth that of the dissolved zinc, and this liquid is diluted with two-thirds of its bulk of water. One pound of powder is mixed with 2½ pints of liquid.

TENDERS WANTED

For Alterations and Additions to a house on Wellesley Street. Plans and specifications are on view at my offices. No tender will be considered unless accompanied by proof of tenderer's ability and financial responsibility.

R. W. GAMBIER-BOUSFIELD, A.R.I.B.A.,
Architect.

75 Adelaide Street East, Toronto.

TENDERS

For Additions and Alterations to St. Stephen's Church, Toronto, will be received up to 5 p.m. on WEDNESDAY, JULY 16TH, at the office of the undersigned. Plans may be seen on and after Monday, July 7th. The lowest or any tender not necessarily accepted.

W. A. LANGTON,

Merchants' Bank Building, 15 Wellington St. West, Toronto.

TENDERS

Will be received by the Municipality of the Village of East Toronto, for

GRADING AND OTHER WORKS,

Extension of Cedar Culvert on Queen street and Grading part of Pine avenue.

Tenders will be received and profiles can be seen at the office of D. G. Stephenson, Esq., J. P., Reeve, and finally from 4 to 6 o'clock p.m. on Wednesday, the 9th day of July, 1890, at site of work.

The lowest or any tender not necessarily accepted.

W. H. CLAY, Clerk.

East Toronto, 21st June, 1890.

SEALED TENDERS

Will be received up to noon of FRIDAY, JULY 11TH, for the various works required in the erection of a Residence on Dorchester Street West. The lowest or any tender not necessarily accepted.

WRIGHT & SON, Architects,
204 St. James Street, Montreal.



NOTICE TO CONTRACTORS.

Tenders will be received by registered post, addressed to the City Engineer, up to noon on Tuesday, July 15, for the construction of the following works:

CEDAR BLOCK PAVEMENT—Palmerston ave. (Muter street), from floor street to the railway tracks; Defoe street, from Tecumseh to Niagara street.

TAMARAC BLOCK PAVEMENT—Hay street, from Front street to Esplanade street.

ASPHALT PAVEMENTS—Hloor street, from Yonge street to Sherbourne street; Scott street, from Front street to Catherine street.

Plans can be seen, quantities and forms of tender obtained on and after the 5th July 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 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, June 24th, 1890.

TO CONTRACTORS.

Sealed tenders will be received by the undersigned until Saturday, the 12th proximo, for the Mason, Bricklayer, Carpenter, Roofer, Plasterer, Painter and Glazier, Ironwork and Elevators of the

Medical Wing of the Royal Victoria Hospital.

The plans and specifications prepared by H. Savon Snell, F.R.I.B.A., London, Eng., 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, or a certified bank cheque amounting to five per cent. on the amount of the tender.

The lowest or any tender may not necessarily be accepted.

JAMES R. RHIND, Assistant Architect,
157 St. James Street, Montreal.

18th June, 1890.



Sealed tenders, addressed to the undersigned, and endorsed "Tender for Caisson," will be received at this office until Friday, the 18th day of July next, inclusively, for supplying, erecting and completing in place, a Wrought Iron Caisson for the Dry Dock now in course of construction at Kingston, Ont., in accordance with the plans on exhibition at this office, and at the Engineer's office, 30 Union Street, Kingston, and with the conditions and stipulations contained in a Form of Tender, copies of which can be obtained on application to the undersigned and W. O. Strong, Esq., Resident Engineer, 30 Union Street, Kingston, Ont.

Tenders will not be considered unless made on the form supplied and signed with the actual signatures of tenderers.

An accepted bank cheque, payable to the order of the Minister of Public Works, equal to five per cent. of amount of tender, must accompany each tender. This cheque will be forfeited if the party decline the contract, or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order,

A. GOBEL,

Department of Public Works,
Ottawa, 13th June, 1890.

Secretary.

COMPETENT DRAUGHTSMAN

Having spare time at his disposal, is prepared to make plans and tracings. Terms moderate. Apply

"N. Y. Z."

Montreal office of the CANADIAN ARCHITECT AND BUILDER, 62 Temple Building

Prices of Building Materials.

LUMBER.

CAN OR CARGO LOTS.		
1½ and thicker clear picks, Am. ins.	\$30	00 33 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 10 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.	25	00 50 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.	5	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
XXX 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

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
" " " " 18 "	12	00
" " " " 20 "	13	00
Scantling and joist, up to 16 ft.	14	00
" " " " 18 "	15	00
" " " " 20 "	17	00
" " " " 22 "	19	00
" " " " 24 "	21	00
" " " " 26 "	23	00
" " " " 28 "	25	00
" " " " 30 "	27	00
" " " " 32 "	29	00
" " " " 34 "	31	00
" " " " 36 "	33	00
" " " " 38 "	35	00
" " " " 40 to 44 ft.	37	00
Cutting up planks, 1½ and thicker, dry	25	00
" " " " board.	17	00
Cedar for block paving, per cord.	5	00
Cedar for Kerbing, 4 x 14, per M.	14	00

1½ inch flooring, dressed, F. M.	28	00
1½ inch flooring rough, B. M.	18	00
1½ " " " " dressed, F. M.	25	00
1½ " " " " undressed, B. M.	18	00
" " " " dressed.	13	00
" " " " undressed.	12	00
Beaded sheeting, dressed.	22	00
Clapboarding, dressed.	22	00
XXX sawn shingles, per M, 16 in.	2	65
Sawn lath.	2	00
Red oak.	30	00
White.	25	00
Basswood, No. 1 and 2.	18	00
Cherry, No. 1 and 2.	20	00
White ash, No. 1 and 2.	25	00
Black ash, No. 1 and 2.	20	00
Dressing stocks.	16	00
Picks, American inspection.	40	00
Three uppers, American inspection.	50	00

BRICK—P M

Common Walling.	57	50
Good Facing.	9	25
Sewer.	9	00

Pressed Brick.

Plain brick, f. o. b. at Milton, per M.	\$15	00
" " " " and quality, per M.	13	00
" " " " 3rd.	10	00
Hard Building.	8	00
Moulded and Ornamental, per 100.	\$3	10
First quality, f. o. b. at Campbellville, per M.	16	00
2nd.	13	00
Ornamental, per 100.	\$3	10
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
" untiding green.	9	00
" black slate.	7	50
Terra Cotta Tile, per sq.	25	00
Ornamental Black Slate Roofing	8	00

Sand:

Per Load of 1½ Cubic Yards.	1	25
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PAINTS. (In oil, & lb.)

White lead, Can.	6	25
" zinc, Can.	6	25
Red lead, Eng.	5	75
" venetian.	1	60
" vermilion.	90	1 00
" Indian, Eng.	10	12
Yellow ochre.	5	10
Yellow chrome.	15	20
Green, chrome.	7	12
" Paris.	23	40