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THE Canadian Contract Record

A Weekly Journal of Advance Information and Public Works.

ITS PURPOSE: TO SUPPLY TO CONTRACTORS ADVANCE INFORMATION RESPECTING CONTRACTS OPEN TO TENDER, AND TO ARCHITECTS, ENGINEERS, MUNICIPAL AND OTHER CORPORATIONS, A DIRECT MEDIUM OF COMMUNICATION WITH CONTRACTORS.

ITS MERIT: ECONOMICAL AND EFFECTIVE SERVICE.

Vol. 1.

Toronto and Montreal, Canada, September 20, 1890.

No. 32

THE CANADIAN CONTRACT RECORD,

A Weekly Journal of Advance Information
and Public Works,

PUBLISHED EVERY SATURDAY

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Information from any part of the Dominion regarding contracts open to tender sent exclusively to this Journal for publication, will be liberally paid for.

ADVERTISING RATES ON APPLICATION.

At its Convention held in Toronto, Nov. 20 and 21, 1889, the Ontario Association of Architects signified its approval of the CANADIAN CONTRACT RECORD, and pledged its members to use this Journal as their medium of communication with contractors with respect to advertisements for tenders.

The publisher of the "Canadian Contract Record" desires to ensure the regular and prompt delivery of this Journal to every subscriber, and requests that any cause of complaint in this particular be reported at once to the office of publication. Subscribers who may change their address should also give prompt notice of same, and in doing so, should give both old and new address.

TENDERS FOR SIDEWALKS.

Tenders will be received up to the 30th day of September for the laying of about 3,000 feet lineal of 4 feet plank sidewalk in Mimico, from Vincent street, by way of Superior street, to the Lake shore. Plans and specifications can be seen at the office of the undersigned or at the office of A. McPherson, Esq., Township Clerk, Islington, to either of whom tenders are to be addressed.

By order,

JOHN T. STOKES, C. E.

Court House, Toronto, Sept. 18th, 1890.



NOTICE TO CONTRACTORS.

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to noon on Tuesday, Sept. 23rd, for the following works:-

ASPHALT PAVEMENTS

On Wellington street, from Bay street to York street (with stone kerbs), and on both sides of St. Lawrence Market, underneath the covered portion

Plans can be seen, quantities and forms of tender obtained on and after Sept. 18th 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, Sept. 15th, 1890.

TENDERS WANTED

until the 24th inst. for the different branches of work required in the construction of ten solid brick houses to be built on Grace Street. Plans and specifications can be seen at 75 Ossington ave. JOSEPH HARRINGTON.

TENDERS

Will be received up to FRIDAY, SEPTEMBER 26TH, for alterations to Bay Horse Hotel, Yonge Street.

MALLORY BROS., Architects,
Room K, Toronto Arcade.



NOTICE TO CONTRACTORS.

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up till noon on Tuesday, October 7th, for the

CONSTRUCTION OF A SEWER

On the North-West branch of the Garrison Creek, extending from Ossington Avenue to Bloor Street. Plans can be seen, and forms of tender obtained at the City Engineer's office, on and after the 30th 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 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, Sept. 16th, 1890.

Notice to Contractors.

Sealed tenders, addressed to the undersigned, will be received at his office until WEDNESDAY, 1ST OCTOBER, for the work in the different departments enumerated below required in the restoration of Toronto University building.

I. IRON WORK.

II. CARPENTER AND JOINER WORK.

III. TINSMITH WORK.

IV. SLATER'S WORK.

V. FELT ROOFING.

VI. PLASTERER'S WORK.

VII. PLUMBING AND GASFITTING.

VIII. PAINTING AND GLAZING.

IX. VAULT DOORS.

Plans and specifications may be seen at the office of David B. Dick, Architect, 17 Toronto Street, on and after Tuesday, 16th inst.

The lowest or any tender will not necessarily be accepted.

J. E. BERKELEY SMITH,

Bursar University of Toronto.

120 Simcoe St., Toronto, 15th Sept., 1890.

The "Canadian Contractors' Handbook," 50 cents to RECORD subscribers.



TENDERS FOR PUMPING ENGINES.

Notice is hereby given that the Committee on Water Works of the municipal corporation of the City of Toronto will receive tenders, addressed to the undersigned, by registered post only, up to the hour of twelve o'clock noon on MONDAY, 20TH OCTOBER, 1890, for

TWO PUMPING ENGINES

of the duplex type, each having a daily capacity of ten million gallons, together with necessary boilers for same, the whole to be in accordance with the general specifications which may be obtained at the office of the Superintendent of the Department, City Hall, Toronto.

The tenders are received subject to the approval of the properly qualified selectors being obtained to a by-law providing the necessary funds.

The lowest or any tender not necessarily accepted.

WM. J. HILL,

Chairman Committee on Water Works.

City Hall, Toronto, 19th September, 1890.

TENDERS WANTED.

Sealed tenders will be received at the office of the undersigned up to 5 p.m.

MONDAY, OCT. 13TH, 1890.

For the furnishing of materials and labor required in the restoration and improving of

St. Paul's Cathedral, London, Ont.

Whole or separate tenders will be received for
Excavation and Drainage Work,
Rubble Stone Work,
Cut Stone Work,
Carpenter and Joiner Work,
Wrought and Cast Iron Work,
Painting and Glazing,
Plastering,
Plumbing, Steam Heating and Ventilating,
Roofing, &c.

Plans and specifications may be seen at the office of John M. Moore, Architect, Albion Buildings, London, Ont.

A deposit in the form of a marked cheque, payable to the Church Warden, for the sum of 5 per cent. of the value of the work tendered for to be deposited with each and every tender, otherwise it will not be entertained.

Lowest or any tender not necessarily accepted.

W. J. REID,

Church Warden.

Wrought iron pipe is said to expand 1-150,000 of an inch for each degree of test communicated to it. Take the length of your pipe in inches, multiply it by the number of degrees between the normal temperature it is required to attain when heated, and divide this by 150,000. Suppose your pipe is 100 feet long, and its temperature zero, and you wish to use it to carry steam at 200 pounds pressure—equal to a temperature of 338°—multiply 100 feet by 12 to reduce it to inches, and by 338, the difference in temperature; divide this by 150,000, and you will find the result to be 2.7 inches, which would be the amount of play that would be required, in this instance, in your expansion joint.

CONTRACTS OPEN.

WATERLOO, QUE.—The erection of a piano factory is proposed.

CALGARY, N. W. T.—A site has been granted the C. P. R. for the erection of workshops.

LETHBRIDGE, N. W. T.—A hospital is to be erected here, at an estimated cost of \$10,000.

GUELPH, ONT.—Plans for a new church have been approved by the congregation of St. James church.

VICTORIA, B. C.—The preliminary steps have been taken towards establishing the University of British Columbia.

PERTH, ONT.—It is proposed to extend the Brockville, Westport and Sault Ste. Marie railway through this town.

BROCKVILLE, ONT.—It is proposed to erect a new Separate school in connection with St. Francis Xavier church.

PORTAGE LA PRAIRIE, MAN.—The Council will erect a second water tank in the west end for fire protection purposes.

KINGSVILLE, ONT.—The Town Council has granted a loan of \$15,000 to enable the Citizens Gas Company to pipe the town.

MARKHAM, ONT.—The Council is trying to dispose of \$30,000 worth of debentures with which to construct water-works and electric light systems.

NANAIMO, B. C.—At the regular annual meeting of the shareholders of the Nanaimo water-works it was decided to extend the mains around the city.

DARTMOUTH, N. S.—As all the tenders received for the construction of new school buildings in the north end were considerably above the estimated cost, the awarding of the contracts has been deferred, and the architect will be asked to make such alterations in the plans as will reduce the cost.

OTTAWA, ONT.—The preliminary survey has been commenced of that portion of the Ottawa, Arnprior and Parry Sound railway between this city and Arnprior, leaving when completed only 100 miles to finish the survey of the whole line.—The Marine Department is asking for tenders for the erection of a fog alarm building at Long Point, Lake Erie.

GANANOQUE, ONT.—Mr. Chas. Macdonald, a celebrated engineer, of New York, who is a native of this town, has offered a handsome donation towards the erection of a Mechanics' Institute building to contain a library, reading rooms, gymnasium, bowling alley, billiard room, etc.—The citizens have voted in favor of the construction of water-works.

WINNIPEG, MAN.—A survey is to be immediately commenced of the proposed Winnipeg and Duluth railway.—The city invites tenders until noon of the 15th October, from parties desiring to construct the works necessary to make available the water power of the Assiniboine river, and to own the works and power, subject to a minimum of 400 horse power required by the city of Winnipeg for water-works and electric light purposes.

W. TORONTO JUNCTION.—It has been decided by the Council to carry out the engineer's recommendation for the grading of Pacific Ave., between Dundas St. and Humber side Ave.—Mr. Kuickling, the Sanitary Engineer, states that owing to an insufficiency of levels, he is not in a position to give any definite decision on the sewerage question at present.—A by-law appropriating \$15,000 for electric light will be voted on by the ratepayers Oct. 14th.

COLLINGWOOD, ONT.—The plans for the new town hall recently destroyed are being altered somewhat, and when approved tenders will be asked for the reconstruction of the building.—The Corporation is seeking to have an Order-in-Council passed by the Provincial Secretary, empowering the Council to issue debentures to the amount of \$25,000 to raise money for the extension and

improvement of the water works system. The Provincial Secretary favors compliance with the request.

LONDON, ONT.—Tenders will be received by Mr. John M. Moore, architect, until 5 p.m. on the 24th inst., for the erection of a brick dwelling on Central Ave., for Mr. James M. Logan.—W. J. Reid, church warden, will receive tenders until Monday, Oct. 13th, at 5 p.m., for excavation and drainage work, rubble and cut stone work, carpenter and joiner work, painting and glazing, plastering, plumbing, steam heating and ventilating, roofing, etc., required in the restoration of St. Paul's cathedral.—The City Engineer will receive tenders until 6 p.m. on the 22nd inst., for a hot air furnace for the London jail.

MONTREAL, QUE.—A Sub-Committee of the Markets Committee has been asked to report on the subject of re-paving the western abattoir at St. Henri.—A sum will be placed in the estimates of the Markets Committee next year for the improvement of St. Lawrence market.—A petition will be sent to the Council asking for the widening of Notre Dame street.—A site has been purchased for a new Protestant church at Maisonneuve.—It is proposed to open up Atwater Ave.—Messrs. Kensil, G. Wray, Pitt, S. W. Pratt and John Godel, of this city, recently purchased land at St. Rose with the intention of erecting summer residences thereon in the spring.

KINGSTON, ONT.—The Collegiate Institute is so overcrowded as to render the erection of a new building absolutely necessary.—The trustees of Thousand Island Park have decided to replace the gas with electric light. Plans have been completed for a new chapel.—Mr. Newlands, architect, is preparing plans for a new Presbyterian mission church, to cost about \$2,000.—A report recommending that a suction pipe be laid and a filter purchased in connection with the water-works has been adopted by the Council. The estimated cost is \$25,000.—A Committee of the Separate School is looking for a suitable site in Rideau ward for a new school.

HAMILTON, ONT.—The following building permits have been granted: Henry Kuntz, house and stable near the corner of Bay and Market Sts. Probable cost, \$6,000; J. W. Simpson, 2-storey bk. storehouse, Rebecca St., cost \$1,800.—The promoters of the incline railway say construction will shortly be commenced.—The City Engineer has prepared a plan of the proposed changes in the sewerage system necessary on the construction of the T., H. & B. railway. The change will necessitate the building of about 2,000 feet of new sewer, and the cost will be about \$15,000.—The Street Commissioner will recommend that streets subjected to heavy traffic be paved with a harder description of stone than the macadam used at present.

TORONTO, ONT.—Mr. Dingman, soap manufacturer, is having plans prepared for a 5-storey block to be erected at the corner of Broadview ave. and Queen sts. It will include a bank and two stores, and will probably have a stone front.—A decision has not yet been reached by the Law Society with respect to the proposal to expend \$50,000 on the erection of a law school.—Tenders will be received by Knox & Elliott, Queen and Victoria streets, until noon on Oct. 1st for thorough carpenter work and constructional iron work for the Confederation Life Association's new building.—Property-owners in the east end have appointed a Committee to wait on the mayor and urge the speedy erection of the proposed high level bridge across the Don at King street.—The Fat Stock Association will ask the city to provide suitable accommodation for the stock show to be held this fall.—The sum of \$25,000 is said to have been subscribed by way of a bonus to assist the erection of a large hardware factory in East Toronto. The building is estimated to cost \$65,000.—The following building permits have been granted: E. Edwards, pair 2-storey and

attic bk. dwellings, east side Ontario St., north of Wellesley St., cost \$2,500; H. W. Petrie, 2-storey and basement bk. warehouse, south side Front St., west of York St., cost \$6,500; T. R. Labelle, pair s.d. 2-storey and attic bk. dwellings, west side of Euclid Ave., north of College St., cost \$5,000.—Plans have been prepared for the enlargement of the western cattle market.—The Public School Board will make an appropriation for a site and new school building in St. Mark's ward.

CONTRACTS AWARDED.

SHERBROOKE, QUE.—The contract for a new bridge of wood on stone foundation across the river at this place has been given to Mr. A. Codere, at the sum of \$5,320.

TORONTO, ONT.—The Harbor Commissioners have let the contract to Messrs. Medler & Arnold for the construction of a breakwater 350 feet long parallel with the Queen's wharf, at the sum of \$40,000.

CHATHAM, ONT.—Mr. Wm. Blight has been awarded the contract for the building of the engine house and engineer's residence for the new water-works.—The Chatham Gas Company have accepted the tender of the Royal Electric Co., of Montreal, for an incandescent electric plant.

LONDON, ONT.—The following tender of the Royal Electric Co., of Montreal, for electric lighting has been accepted by the Council: 44 miles of wire at \$165; poles, \$6; lamp, \$40; total cost of circuit, \$19,025; number of lamps, 240; cost of running, \$21,750 (old figures); total cost of electric plant, \$18,750; three boilers of 80 h. p. each; two engines aggregating 250 horse power—total cost, exclusive of buildings, \$44,525.

TEST FOR LINSEED OIL.

Linseed oil is of so much importance to the painter that it behooves him to make himself acquainted with the tests by which impurities may be discovered. The following, taken from an English journal, will be found to cover the subject:

Pure linseed oil is a yellow, oily liquid having a slight, peculiar odor, a bland taste and a neutral reaction. When exposed to the air, it gradually thickens, acquires a strong odor and taste, and finally solidifies. Its specific gravity is about 0.936. It is soluble in five parts of boiling absolute alcohol, and in fifteen parts of ether. It does not congeal above four degrees F. It imparts a yellow color to alcohol on being agitated with it, and yields with alkalies a very soft soap. In contact with fuming nitric acid it ignites; but when ignited with nitric acid of a specific gravity of 1.33, it turns green, and afterward brown. It is said that cod liver oil is sometimes used to adulterate linseed oil. The following test for this adulterate has been recommended: Take ten parts, by weight of the suspected oil; mix it in a small cylindrical glass tube with three parts of crude nitric acid; agitate the mixture well, and allow it to rest. If cod liver oil is present, the layer at the top will assume a dark brown or blackish brown color, while the acid at the bottom varies from bright orange to orange or dark yellow. If the oil is pure it becomes during the agitation first sea green and afterward dirty greenish yellow, the acid being bright yellow. As little as three per cent. of the cod liver oil can be detected by this method.—*Painters' Magazine.*

ANOTHER GRANITIC COMPOSITION.

A new composition is now made from finely crushed granite, and which, when formed into shapes by molding, and afterward burned and hardened, is to all appearances as hard and strong and durable as the solid stone itself, which it also closely resembles. It is claimed by those who have brought forward this process that all kinds of ornaments for architectural purposes, such as window caps or sills, cornices, friezes and all other articles of this nature, can be molded to accurate shapes and forms, and manufactured by this process at one-tenth the cost of cutting the same out of solid rock. They can also be vitrified so that they take on a permanent gloss as fine as polished granite, and at a mere fraction of its cost. The composition follows closely the color and texture of the stone from which it is made, Roxbury granite making a light-colored block, Quincy granite a darker one, and so on. The composition can be produced from waste stone, of course, as well as any, and the process is applicable to other stones as well as granite, the stone, of whatever description, being first crushed in a stone crusher, and afterward more finely powdered by passing between iron rollers.—*Manufacturers' Gazette.*

ESTIMATES.

Of all the "royal roads" to learning in popular demand among those connected with architecture and building, none is perhaps more ardently desired than a quick method of estimating. The editor of any architectural journal will know how frequently the question is asked, "How can I estimate the cost of a building without taking the trouble to figure out all the material and labor involved in its construction?" The answer is that there is no way if an accurate estimate be required.

But when it is only desired to obtain an approximate estimate of cost, the method known as "cubing out" is to be recommended. This method is simple, indeed very simple, but it needs not a little judgment and some amount of experience in its application.

Suppose that a building of a certain class costs to erect in a particular location such and such a sum, then a building of the same class and in the same position, but of double the size, would cost approximately double the amount. In other words, the cost of a building is (within certain limits) in arithmetical proportion to its size. This gives the key note to the principle of cubing out. Having ascertained the cubical contents of a building by measuring from one half way up the height of the roof to one half way down the depth of the foundations and multiplying by the length and breadth of the structure, the number so obtained is multiplied by the value of a single foot, and so an approximate estimate of the cost of the whole building is obtained. It is clear enough that the value placed upon a single unit foot practically determines

the whole result. To obtain these unit values in different classes of buildings and in all manner of locations will be the first aim for any one wishing to employ the method. This is best done by figuring on work actually executed. Take, for example, the drawings of several of the ordinary tenement houses of which the cost is known. Figure out the cubical contents, divide the cost and so obtain the average cost price of the unit foot of such a building. Whenever it is desired to obtain an approximate estimate of the cost of building similar flats, these figures will, by simple calculation, always give the result.

Of course when there are any special circumstances surrounding the particular case, tending either to raise or lower the price, as, for instance, local difficulties of construction on the one hand or abundance of material on the other, due allowance must be made.

The value of cubing out is greater than is ordinarily recognised. The few figures upon which it is based are so easily remembered, that it almost surprising that it is not more widely used. Ninety-nine out of a hundred buildings are designed within specific limits of cost, and to obtain at the outset the maximum capacity in cubic feet will be a material help in the subsequent proceedings.

A good plan is to form a tabulated list of prices obtained by figuring on work actually executed. Thus we might have "flats first-class," "second class," and so on. Private residences and cottages of various grades, office buildings, churches and chapels, schools, etc., where deemed advisable a number of columns might be assigned to indicate the cost of the particular description of building in different cities.—*American Builder.*

Prices of Building Materials.

LUMBER.

CAR OR CARGO LOTS.	
1 1/2 and thicker clear picks, Am. ins.	\$30 00 @ 32 00
1 1/2 and thicker, three uppers, Am. ins.	37 00
1 1/2 and thicker, pickings, Am. ins.	27 00
2 x 10 and 12 dressing and better	18 00 20 00
2 x 10 and 12 mill run	13 00 14 00
2 x 10 and 12 dressing	14 00 16 00
2 x 10 and 12 common	12 00 13 00
2 x 10 and 12 spruce culls	10 00 11 00
2 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 16 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
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	11 00 12 00
1 1/2 inch flooring	14 00 15 00
1 1/2 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 00
Eastlake painted steel shingles, per sq.	4 00
Round pointed galvanized steel shingles, per sq.	6 00
Round pointed painted steel shingles	4 75
Round pointed, unpainted, Terne tin 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	15 00
" " " " 18 "	15 00	16 00
" " " " 20 "	16 00	17 00
" " " " 22 "	17 00	18 00
" " " " 24 "	18 00	19 00
" " " " 26 "	19 00	20 00
" " " " 28 "	20 00	21 00
" " " " 30 "	21 00	22 00
" " " " 32 "	22 00	23 00
" " " " 34 "	23 00	24 00
" " " " 36 "	24 00	25 00
" " " " 38 "	25 00	26 00
" " " " 40 to 44 ft.	26 00	27 00
Cutting up planks, 1 1/2 and thicker, dry board	25 00	26 00
Cedar for block paving, per cord	5 00	
Cedar for Kerbing, 4 x 14, per M.	14 00	

D. 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
1 1/2 " " " " 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
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
Hasswood, 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
" " " " 2nd quality, per M	13 00
" " " " 3rd	10 00
Hard Building	9 00
Moulded and Ornamental, per 100	\$3 to 10 00
First quality, f. o. b. at Campbellville, per M	15 00
and " " " " 2nd	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	25 00
Ornamental Black Slate Roofing	8 00

Sand:

Per Load of 1 1/2 Cubic Yards	1 25
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PAINTS. (In oil, per lb.)

White lead, Can.	6 25	6 50
" zinc, Can.	6 1/2	7 50
Red lead, Eng.	5 1/2	6 1/2
" 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	25
Blue, ultramarine	15	25
Oil, linseed, raw (per Imp. gallon)	68	70
" " boiled	72	75
" " refined	78	80
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 3 00
" Thorold, "	1 50
" Queenston, "	1 50
" Napawee, "	1 50
" Hull, "	1 50

HARDWARE.

Cut Nails:

American Pattern, 1 1/2 inch, per keg	4 05
" " " " 1 1/2 to 1 3/4 inch, per keg	3 30
Canadian Pattern, 1 1/2 inch, per keg	3 55
" " " " 1 1/2 to 1 3/4 inch, per keg	3 05
" " " " 2 to 2 1/2 inch, "	3 05
" " " " 2 1/2 to 3 1/2 inch, "	2 80
" " " " 3 inch and larger	2 55
Steel nails 10c. per keg extra	
Finishing nails, 1 inch, per keg	5 65
" " " " 1 1/2 inch, "	4 95
" " " " 2 inch, "	4 40
" " " " 2 1/2 inch, "	4 15
" " " " 3 inch and larger	3 90

MONTREAL PRICES.

Lumber, Etc.

Ash, 1 to 4 in., M.	\$13 00	\$18 00
Birch, 1 to 4 inch, M.	13 00	25 00
Basswood.	12 00	20 00
Walnut, per M.	50 00	100 00
Butternut, per M.	22 00	40 00
Cedar, flat.	00 04	00 06
Cherry, per M.	60 00	20 00
Elm, Soft, 1st.	15 00	17 00
Elm, Rock.	25 00	30 00
Maple, hard, M.	20 00	25 00
Maple, Soft.	16 00	18 00
Oak, M.	40 00	95 00
Pine, select, M.	35 00	40 00
Pine, 2nd quality, M.	20 00	25 00
Shipping Culls.	13 00	16 00
Mill Culls.	8 00	10 00
Lath, M.	1 50	1 99
Spruce, 1 to 2 inch, M.	10 00	12 00
Spruce Culls.	4 50	6 00
Shingles, 1st quality.	2 00	3 00
and 2nd quality.	1 25	1 50

Cement, etc.

Portland Cement, per barrel.	\$ 2 70	\$ 3 00
Roman	2 70	3 00
Fire Bricks, per M.	20 00	30 00

Cut Nails:

Hot-cut Am. or Can. pattern, 3 inch and above.	\$ 75	\$ 2 85
Hot-cut Am. or Can. pattern, 2 1/2 inch and above.	3 00	3 25
Hot-cut Am. or Can. pattern, 2 1/4 and 2 inch.	3 25	4 20
Am. pattern, 1 1/2 and 1 3/4 inch hot-cut 1 1/2 inch.	3 50	5 60
Can. Pattern, cold-cut, 1 1/2 and 1 3/4 inch 1 1/2 inch.	4 25	5 20
Can. Pattern, cold-cut, 1 1/2 and 1 3/4 inch 1 1/2 inch.	3 75	5 95
Finishing Nails, per 100 lb. keg, 1 1/2	75 cents advance on Hot Cut Nails.	
Finishing Nails, per 100 lb. keg, 1 1/2 to 1 3/4 inch.		
Finishing Nails, per 100 lb. keg, 2 inch and up.		

Paints, etc.

White Lead, pure, 25 to 100 lb. kegs.	6 50	7 00
" No. 1.	5 25	5 50
" No. 2.	4 50	5 00
" No. 3.	4 00	4 50
dry.	5 25	5 75
Venetian Red, English.	1 50	1 75
Yellow Ochre, French.	1 25	3 00
Whiting, London, washed.	0 50	0 65
Paris.	1 15	1 25

Oils:

Linseed, raw.	0 3	0 55
" boiled.	0 60	0 68
Olive, pure.	1 10	1 15
" machinery.	95	1 05
" extra, qt., per case.	3 00	3 25
" pts., "	2 50	2 60
" 1/2 pts., "	2 25	3 10
Spirits turpentine.	0 67	0 70

BUILDING STONE DEALERS.

Brinell & Co.	II
Bristow Bros.	II
Gillespie & Brooks.	II
Lyall, Peter.	x
Rathbun Co.	vi
Savage, R. D.	viii
The Adjuda Quarry Co.	II
Vokes Malcolm Stone Co.	II

CEMENTS.

Adamant Mfg. Co.	vi
McNally & Co., Wm.	ix
Maguire, William.	iv
McRae & Co.	iv
Rathbun Co.	vi
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Terry, Edward.	iv
Wright & Sons, C. B.	iii

CHURCH AND SCHOOL FURNITURE.

Bennet Furnishing Co.	IV
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CONTRACTORS AND BUILDERS.

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Davidson & Kelly.	II
Davis, H.	II
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Dearing, Geo.	II
Hood & Co. H.	II
Grant & Goddard.	II
Halls, Wm.	II
Hancock, Thomas.	II
Hannah Bros.	II
Humphrey, T. R.	II
Lyall, Peter.	x
Marshall, John.	II
Mortimore, Geo. T.	II
Moss, Wm.	II
Pudifin, Wm.	II
Redmond, Joseph.	II
Stevens, Chas. H.	II
Thomas & Howell.	II
Webb, John E.	II

CUT STONE CONTRACTORS.

Bristow Bros.	II
Hibbard, H. & T.	III
Isaac Brothers.	III
Johnson & Son, Wm.	II
Oakley & Holmes.	III

ELECTRIC LIGHTING.

Anderson & Co., A. T.	ix
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Ives & Co., H. R.	IV
Leach & Turnbull.	I
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The Hanson Engraving Co.	iii
Wiseman, James L.	iii

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Douglas & Haines.	ix
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Hedges & Lankin.	ix
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Dill & O'Hearn.	III
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Gilmor & Casey.	III
Hatch, W. J.	III
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Fox, R. B.	II
Hynes, W. J.	I
Magill, E. T.	II
Watson Bros.	II

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Forbes, Duncan.	II
Hutson, W. D.	II
Metallic Roofing Co.	x
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Rennie & Son, R.	II
Saulter, Wm.	II
Shales, John H.	II
Stewart, W. T.	II
The Parmalee Roofing & Paving Co.	II
Toronto Roofing Co.	II
Williams & Co., H.	II

SAFES.

Kimball, S.	
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