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## A Weekly Journal of Advance Information and Public Works.

ITS PURPOSE: TO SUPPLY TO CONTRACTORS ADVANCE INFORMATION RESPECTING CONTRACTS OPEN TO LEN DER, AND TO ARCHITECTS, ENGINEERS, MUNICIPAL AND OTHER CORPORATIONS, A DIRECT MEDIUM OF COM-MUNICATION WITH CONTRACTORS.

ITS MERIT: ECONOMICAL AND EFFECTIVE SERVICE.

Vol. 2.

## Toronto and Montreal, Canada, July 4, 1891.

No. 21

## THE CANADIAN CONTRACT RECORD,

A Weekly Journal of Advance Information and Public Works,

PUBLISHED EVERY SATURDAY As an Intermediate Edition of the "Canadian Architect and Builder."

Subscription price of "Canadian Architect and Builder;" (including "Canadian Contract Record"), \$2 per annum, payable in advance.

C. H. MORTIMER, Publisher,

14 KING ST. WEST. . TORONTO, CANADA. Telephone 2302.

64 Temple Building. -Montreal. Bell Telephone 2249.

Information solicited from any part of the Dominion regarding contracts open to tender.

ALVERTISING 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

The following resolution was unanimously adopted at the First Annual Meeting of the Province of Quebeo Association of Archtlects, held in Montreal, Oct. 10th and 11th, 1890 : "Moved by M. Perrault, seconded by A. F. Dunlop, that we the Architects of the Province of Quebec now assembled in Convention being satisfied that the CANADIAN CONTRACT RECORD affords us a direct communication with the Contractors,-Resolved, that we pledge our support to it by using its columns when calling for Ten-

The publisher of the "Canadian Contract Record desires to ensure the regular and Accord The publisher of the "Canadian Contract Record desires to ensure the regular and prompt decorer 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 hange their address should also give prompt notice of same, and in doing so, should give both old and new address.

## TENDERS

Will be received at the office of the undersigned until the 11th inst, for all trades (except carpen-tering and tinsmithing) required in the erection of a Stone and Brick Residence (Parkdale).

R. & A. L. OGILVIE. Architects, 59 Yonge Street, Toronto.

### MONTREAL BOARD OF TRADE.

Tenders for Brection of its New Building.

Tenders for the erection of the new building for the Montreal Board of Trade will be received by the Building Committee up to MONDAY, noTH JULY, inclusive. I enders to be upon forms to be supplied by the Secretary, to whom they should be addressed. The specifications, conditions and drawings can be seen at the Board's office. Each tender must be for the whole building complete. The Building Committee reserves to itself the right to reject any or all tenders.

By order, GEO. HADRILL, Secretary.

Office Board of Trade, to St. John Street, Montreal, Ath June, 1891.

TENDERS WANTED.

Tenders will be received by the Rev. R. Mills, owansville, for the various artisans' works re-Cowansville, for the various artisans' works required in the erection of a Church at Sweetsbury, P. Q. Tenders to be delivered on, by or before the roth of July.

J. A. PROUDFOOT BULMAN, Architect.

# TO WATER PIPE MANUFACTURERS.

## TENDERS

Will be received by the undersigned up to and including SATURDAY, 18711 JULY, for about

## 9 Miles of Cast Iron Water Pipe, with necessary Special Castings.

Specifications may be obtained from Wm. M. Davis, Town Engineer,

The lowest or any tender not necessarily ac-

G. C. EDEN. Secretary Water Commissioners.

Woodstock, 1st July, 1891.



### NOTICE TO CONTRACTORS.

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to Eleven o'clock a.m. of July 14, 1891, for the con struction of the following works: Toronto, up to

CEDAR BLOCK PAVEMENTS: Christic Street, from Bloor Street to Melville

Street.
Kensington Crescent, from Park Road to
Huntley Street.
Plans can be seen and forms of tender obtained

on and after July 7th 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 21 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 Commutee do not bind themselves to accept the lowest or any tender.

JOHN SHAW,

Chairman Committee on Works.

Committee Room, Toronto, July 2nd, 1891.

#### A NEW MASTIC.

A French engineer recently discovered a new kind of mastic, which is already largely employed throughout France, and which has even begun to be exported in considerable quantities, especially to eastern countries. The product, which, it is asserted, is indestructible, is composed of linsced oil mixed ninety-three parts of powdered brick and seven parts of litharge, the brick and the litharge being pulverized separately, then well mixed and reduced to a paste by means of the oil. The object to which the mastic has to be applied should first be

dampened with a sponge. After applica tion, in say about three or four days, the coating becomes perfectly hard, and will effectually prevent the filtration of water in terraces, basins and masonry in general.

### TESTS OF STONE.

If we consider the various conditions of the mechanical, chemical and mineralogical arrangement of the particles which compose the numerous kinds of building stone, there is quite sufficient reason to doubt whether any general principles can be established. Probably no cause of failure in stones resisting the decomposing influences of weather is so common as that arising from their containing a quantity of uncrystallized dusty matter in the interstices between the more solid particles, which may be detected by examining a new fracture with a powerful magnifying glass and disturbing the powder with the point of a needle. Or a more effectual method is to break off a few chippings, about the size of a shilling, with a chisel and a smart blow from a hammer; put these into a glass about one-third full of clean water; let them remain undisturbed for at least half an hour; the water and the specimens together should then be agitated by giving the glass a circular motion in the hand. If the stone be highly crystalline, and the particles well cemented together, the water will remain unaltered, clear and transparent; but if the specimen contains uncrystallized earth powder, the water will present a turbid or milky appearance in proportion to the quantity of loose matter contained in the stone. The stone should be very damp, almost wet, when the fragments are chipped off, otherwise the blow of the hammer will shake out much of the dust before the pieces are put into the water. I have applied this mode of treatment to numerous stones, including many whose qualities have been proved to be good, bad or indifferent by long exposure in old buildings, and have generally found it to be pretty correct. There are many instances among the oolites, though of rare occurrence, of stones containing superabundance of crystalline calcareous cement, irregularly dispersed, so as to give the stone a variegated appearance. Tayn-ton is of this description; the ova, being extremely soft and distributed in patches, will in certain parts wash out from the surface by the process just described, and thereby produce the milky appearance in the water, notwiths anding that such stone is extremely durable because it contains so large a quantitity of excellent cement. C. H. Smith, in *The Architect* (London).

#### CONTRACTS OPEN.

PORT ARTHUR, ONT.—The town proposes to invest \$75,000 in an electric railway.

WELLAND, ONT.—The Welland Natural Gas Co, have decided to sink another well.

MARKHAM, ONT.—The purchase of an electric fire alarm apparatus is under consideration.

DELTA, ONT,—Mr. J. H. Moulton is making preparations for the erection of a residence.

TWEED, ONT.—The Methodists are endeavoring to rebuild the church recently burned down.

WINNIPEG, MAN.—It has been decided to erect a Collegiate Institute to cost about \$25,000.

ANTAGONISH, N. S.—The Town Council is borrowing the sum of \$10,000 for waterworks purposes.

VICTORIA, B. C.—The Board of Trade has selected a site on Bastien St. for their proposed new building.

TORONTO JUNCTION, ONT. — The by-law appropriating \$150,000 for a sewerage system has been adopted.

THOROLD, ONT.—The construction of a system of waterworks on the principal streets will be commenced shortly.

CHATHAM, ONT.—The Trustee Board of the General Hospital are having plans prepared for the erection of a new building.

PETERBOROUGH, ONT.—Plans for additions to the Central School building are being considered by a committee of the School Board.

GRANBY, QUE.—The Miner Carriage Manufacturing Co. intend erecting a new storeroom, 30 ft. x 100 ft., and three stories high.

GALT, ONT.—T. H. Smith, Chairman of Market Committee, will receive tenders up to Monday, the 6th inst., for roofing the Town Hall.

QUEBEC, QUE.—It is stated that Mr. Davie intends to construct a dry deck at St. Joseph de Levis. The cost of the work is placed at \$300,000.

ALENANDRIA BAY, ONT.—A handsome cotrage is soon to be erected by Mr. J. H. Oliphant, of New York, on his island just north of this town.

TILBURY CENTRE, ONT.—The Council will purchase an electric fire alarm apparatus.—Dr. Mitchell will creek a residence to cost about \$2,000.

BERLIN. ONT.—A by-law has been carried by the ratepayers authorizing the city council to borrow the sum of \$25,000 for a complete system of sewerage.

OSHAWA, ONT.—A committee of the Public School Board has been appointed to investigate the condition of the heating arrangements in the different schools.

OWEN SOUND, ONT.—A by-law has passed the Council providing for the raising of funds to the amount of \$8,000 for the erection of a new school on Boyd street.

MOUNT FOREST, ONT.—Mr. Greenside, of Mitchell, will erect a large saw mill.—The question of providing the town with an adequate supply of water is being considered.

WALKERTON, ONT.—Mr. David Robertson, Mayor, will receive tenders until the 6th inst. inclusive, for the substructure and superstructure of a steel bridge of 150 feet span, across the Saugeen river at this place.

SANDWICH, ONT.—The voting on the water works system will take place August 24. The estimate of Engineer De Gurse shows that 15,370 feet of mains will be required, which together with fixtures and laying, will probably cost \$14,500.

ST. JOHN, N. B.—The sum of \$5,000 is to be expended in increasing the water service.—G. Ernest Fairweather, architect, invites tenders for the carpenter's and mason's work of a foundry, machine shop, etc., to be erected on Charlotte St. for Messrs, Waring, White & Co.

PRINCE ALBERT, N.W.T.—The town council are advertising for tenders for grading, building

sidewalks and other street improvements to the amount of about \$7,000.—A by-law will shortly be submitted to the ratepayers to raise the sum of \$10,000 for the erection of a town hall.

BRANDON, MAN.—The ratepayers have decided to grant the sum of \$35,000 for the erection of a central school.—Arrangements have been completed in the Indian Department for the establishment of an Industrial Farm here, with necessary buildings, etc., at a cost of \$22,000.

Kingston, Ont.—An extension 88 ft. x 56 ft. will shortly be built to the House of Providence.

W. Newlands, architect, has submitted plans for the erection of the Brock street fire hall.—Mr. Geo. Sawyer will erect a fine cottage at Thousand Island Park on the site of the old Truro House and St. Lawrence Hall.

MATTAWA, ONT.—Tenders will be received by Mr. L. H. Macnamara, Socretary Mattawa Building Co., until the 10th inst., for the erection of a solid brick or brick veneered building, containing store, lodge rooms, etc. Plans and all particulars obtainable at the office of Mr. James Mather, architect, Ottawa.

WATERLOO, ONT.—Mr. Urstadt proposes to build a store on Albert street.—The rebuilding of the bridge on the line between Wellington and Waterloo has been decided upon. Messrs. Alex. Rennie, A. Weber, F. Walter and the warden of Wellington County have been deputed to make the necessary arrangements.

OTTAWA, ONT.—The erection of a Memorial Institute in memory of the late Sir John Macdonald was decided upon at a meeting of citizens held a few days ago.—A money by-law to raise \$45,000 for grading and improveing of streets and building a new bridge over Rideau River was defeated by a vote of 398 for and 676 against.

ST. JOHNS, QUE.—A meeting of leading citizens of the Counties of Richelieu, St. Hyacinthe and Vercheres was held a few days ago to elect the directors of a new company now being organized to construct a railway between Sorel, St. Johns and Iberville. The road is to pass through the parishes of St. Ours, St. Roch, St. Antoine, St. Charles, St. Mair and St. Denis.

GUELPH, ONT.—It is probable that the Dundas bridge will be replaced by a new one at an early date.—The report of the Board of Works recommending a system of improved pavement for the principal streets, has been adopted. The work will be commenced this year and will be under the supervision of a competent engineer, to be appointed by the Council.

Halifax, N. S.—The Board of Works has decided to call for tenders for the supply of \$3,000 worth of fire hose.—The Commissioner of Public Works and Mines will freezive tenders until the 11th inst, for the erection of a Nurse's Home at the Victoria General Hospital. Plans may be seen at the office of Henry Busch, architect, 60 Bedford Row.—Tenders will be received until the 8th inst, for the erection of a brick and stone building for the town of Lunenberg. Mr. Henry Busch is the architect.

HAMILTON, ONT.—Mr. W. A. Edwards, architect, will receive tenders until the 6th inst. for the erection of an addition to the warehouse of F. W. Fearman, Rebecca street.—Petitions have been presented for sewers on Nightingale street, from Steven to Ashley street, and on Pine street, from Locke street to cricket grounds.—Building permits have been granted as follows: W. G. Walton, six two-story brick stores on York street, between Hess and Queen streets, cost \$6,000; Wm. Lees, brick stable in rear of stores on Main street, between John and Hughson streets, cost \$1,200.

LONDON, ONT.—The congregation of the Emery Street Mission have decided to erect a flew church. Work will be commenced in about a month.—An artificial stone sidewalk will be constructed on York street, between William and Adelaide streets, and a sewer on William street, for 313 feet south of Dundas street.—Tenders are invited by M. L. Buffy, architect, until the 9th inst. for additions and alterations to Mr. Traf-

ford's warehouse on King street.—Geo. Craddock, architect, will receive tenders until this (Saturday) noon for the erection of a brick dwelling on James street.

MONTREAL, QUE.-The plans of Mr. J. R. Montbriant have been accepted ar the proposed joint fire and police station at the corner of Rachael and Amherst streets, and tenders for its crection will be called immediately.-The plans of Mr. J. A. Mercier have been accepted for the proposed new fire station on Mullins street.-It is understood that the Grand Trunk will double track their line from Rouses Point to this city .-The Harbor Commissioners have recommended that work on the guard wall be proceeded with at once.-The Harbor Improvement Committee recommends that the Board advertise for tenders for machinery and boilers of two dipper dredges. three floating derricks and one double land derrick. Tenders to be in by the 24th inst.-Mr. R. Findlay, architect, is preparing plans for residences on Dorchester, Mountain and Cote St. Antoine Sts., this city.

TORONTO, ONT .- Two architects have submitted plans for the proposed Industrial School for girls.-An effort is to be made by the Sisters of St. John the Divine to provide a more suitable building as a Home for the Aged.—The Medical Health Officer strongly urges the erection of a public abbatoir at an estimated cost of \$60,000. Mr. Lennox, architect of the proposed athletic club building, recently visited several we'l-known club houses in the United States with a view to embodying in his plans the most desirable features for a building of this character. The plans will probably be finally adopted and tenders called for shortly.-The City Engineer recommends that the construction of the north-west branch of the Garrison Creek sewer be commenced immediately after the Treasurer has reported funds therefor. The estimated cost is 560,000.-The Board of Works has decided that the following works shall be carried out: An overflow sewer on Queen street east, at a cost of \$2,321; a sewer on Gerrard street, from the Don to Broadview avenue, at a cost of \$2,100; sewer on Royce avenue at cost of \$876; Believue Place to be opened out at a cost of \$10,000; widening Davenport Road from Yonge street to the city limits to 55 feet at a cost of \$71,000; opening out a new street running north from Queen street between River and Sumach, at a cost of \$20,000; Gardner & Co. Eureka sidewalks are to be laid on Dundas street, to cost \$1.700; on Bloor street east, to cost \$5,600; and on Queen street east, at a cost of \$1,800; wooden sidewalks to cost \$7,000; cedar block pavements on Delaware avenue, cost \$11,200; St. Andrew's market, cost \$1,300; and, on the road on the west side of Stanley Park, to cost \$1,350.—The Council has decided to advertise for offers for the work of reclaiming Ashbridge's Bay.-Building permits have been granted as follows: Harrison & Lucas, two pr. s. d. 2 story and attic bk, dwellings, s. w. cor. Winchester and Sackville sts., also pr. s. d., w. side Sackville, s. of Winchester street, cost \$17,000; Mrs. Eliz. Rendall, three att. 2 story bk. dwellings, w. ride Logan avenue, nr. railway track; W. J. Bromley, four att. 2 story bk. stables, rear of stores, n. e. cor. Price and Yonge sts., cost \$1,500; A. A. Allan & Co., alterations 51 Bay st., cost \$3.000; Mr. Duffey, det. 2 story and attic stone and bk. dwelling, 101 Carlton st., cost \$3.500; Geo. Stevens, additions 177 Brunswick avenue, cost \$1,000; E. E. Slaght, pr. s. d. a story and attic bk. dwellings, 7 and 9 Madison avc. . cost \$0.600.

#### CONTRACTS AWARDED.

MONTREAL, QUE.—Messrs. Garth & Co. have been awarded the contract for heating and plumbing the Victoria Hospital.

NANAIMO, B. C.—The contract for the erection of the new hotel here has been awarded to Roberts & Grant, at the contract price of \$30,000.

SPRINGHILL, N. ? --Mr. Wm. Sutherland, of Mount Denison, Pictou County, has been awarded the contract for a system of water works

for the town. His offer was \$64,000 for a complete system.

GLENCOE, ONT .- The contract for pulpit and seating the Mosa Presbyterian Church was secured by the Globe Furniture Co., of Walkerville,

FREDERICTON, N. B.-Mr. George McArthur, of St. John, has received the contract for building the new brick school house on York street, for \$20,570.

The Vienna Café, the residences of Mr. D. Decow, W. J. Withall, J. B. Hutcheson and Duncan McIntyre, and the large store of Dupuis Freres, Montreal, are now being wired for electric light by the Royal Electric Company.

HALIFAX, N. S .- The following are the tenders for the erection of the new brick ladder house on Grafton street: Brown & Hames, \$4,340, Malcolm & Johnston, \$4,865; Saml. A. Marshall, \$4 650; W. G. Wiswell, \$4.740; John Causey, \$5,300. The tender of Brown & Hames was accepted.

WOODSTOCK, ONT,-The tenders of B. Johnston & Co., of \$9 40 per square yard for the abutments for the new Cedar Creek bridge, and of the Peterborough Bridge Co., at \$750 for the superstructure, have been accepted.-The Brown Manufacturing Co., of Belleville, have been given the contract for the erection of a new steel bridge at this place.

TORONTO, ONT .- Acceptance of the following tenders is recommended by the Sites and Buildings Committee of the Public School Board :-- Alterations to Queen street school: Masonry, Henry Lucas, \$282; carpentry, James Pall, \$15,080; plumbing, W. H. Hewlett & Co., \$48; plastering, Watson Bros., \$12; tinsmithing, Thomas Heard, \$35. The tenders for iron fences for Church street school were referred to a committee to report. - The Central Bridge Co., of Peterborough, has been given the contract for the superstructure of the Dundas street bridges for \$20,052,26. The masonry work goes to Walter Page for \$26,138.—The Board of Works have let contracts as follows: Cedar pavements on Rosedale road and Cawthra avenue, W. Cathro, at \$922 and \$1,040 respectively; Melinda street asphalt pavement, Warren-Scharff Co., at \$9,625. and Jordan street at \$3.246; cobble paving, Rossin Place, A. J. Brown, \$575; Eureka pavement, north side of Queen street east, and Queen street west, Gardner & Co., at 55 per lineal foot; supply of 1,200 barrels of Camel Portland cement, Wm. McNally & Co., Montreal, \$2,68 per barrel; 1.800 barrels of Vectis Portland cement, McRae & Co., Toronto, \$2 75 per barrel.

#### BIDS.

LONDON, ONT .- Four tenders for making the stop-log opening in the water works dam were received by the Commissioners. The lowest of these was \$13,447, for timber piers and St. Mary's stone abutment. The highest was \$16,363 for all 16-inch stone. The Board will recommend the \$16,363 tender to the City Council, and leave it to that body to decide whether or not the opening shall be made.

#### A SEWER SCRAPER.

An apparatus, invented by Emil Sokal for the purpose of clearing away the sludge in the sewers of Warsaw, Russia, where the fall is too slight to admit of its being removed by the ordinary means of flushing, is described in a recent issue of the Wochenschrift of the Austrian Engineers' and Architects' Society.

Briefly described the contrivance consists of a wooden templet or mold, fitted to the profile of the sewer, and resting on a batten 134 inches thick, which is pointed at the end for the purpose of penetrating and loosening the sludge. The flushing sluice above the portion of the sewer to be cleaned is closed, and water allowed to accummulate. About 6 or 10 feet down

the templet with pointer scraper is set up; the sluice is now opened and the scraper, which is under the control of a workman, moves on and clears the deposit. If this be very solid and hard, a small shutter in the templet is opened and water sufficient to thin it is admitted, or the scraper may be used more than once at the desired spot.

A WAY OF REMOVING PAINT.-Scraping or burning off old paint is hardly expeditious enough for general purposes, and is also laborious. Soda and quicklime are far more thorough, and the paint is more quickly removed. The solution of half soda and half quick-lime is thus made: The soda is dissolved in water, the lime is then added, and the solution is applied with a brush to the old paint. A few moments are sufficient to remove the coats of paint, which may be washed off with hot water. Many preparations are sold for the removal of paint, all of them having some basis of alkali. A paste of potash and strong lime is far more effectual in operation, and the oldest paint can be removed by it. Afterward a coating of vinegar or acid should be used, to cleanse the surface before repainting. For removing varnish spirits of ammonia is used, but it is a slow process, and several applications are necessary. Scraping and sand-papering can be employed, but it must be done carefully by experienced hands, or the surface of wood will be injured .- Scientific American.

# Prices of Building Materials.

LUMBER.

CAR OR CARGO LOTS.				
11/2 and thicker clear picks, Am. ins	\$30	00	<b>G32</b>	∞
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Broad Rib Roofing, painted	5 50
Westlake shingles, steel, galvanized,	4 00
per square	5 00
Westlake shingles, steel, painted	3 50
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Cedar for block paving, Cedar for Kerbing, 4 x			5 00 14 00
B. V Inch flooring, dresse	. <b>M.</b> d. F. M	aR OL	37.00
1 % Inch flooring, dresse 1 % inch flooring rough, 1 % " dresse " dresse " undres " undres " undres Grapboarding, dressed XXX sawn shingles, per Sawn lath	B. M	18 00	31 00 28 00
undres	sed, B. M	18 00	19 00
n undre	sed	12 00	15 00
Clapboarding, dressed		22 00	35 00 12 00
		2 00	2 75 2 20
Red oak	•••••	70 00 75 00 18 00	40 00 45 00
White		20 00	70 00
DIECKESII. IVO. 1 AUG 3		25 00 20 00	25 00 30 00
Dressing stocks Picks, American inspec	tion	·6 00	23 DO 40 OO
Inree uppers, American	inspection		50 00
Common Walling	ж— <b>%</b> м		<b>\$</b> 7 50
Good Facing			0 00
Pressed Brick:			-
Plain brick, f. o. b. at ?  " 2nd quality " 3rd  Hard Building	lilton, per M per M	. :	18 00 14 00
Hard Building		•	8 00
		. 33 10	10 00
Diamond locking tile	••••••		74 00 16 00
First quality, f.o.5. at Ca	impbellville, per		18 00
	44 4		
Ornamental, per 100	• • • • • • • • • • • • • • • • • • • •	Sa to	11 00
Ornamental, per 100 Tiles	• · · · • • • • • • • • • • • • • • • •	\$3 to	10 00 24 00
Ornamental, per 100 Tiles	• • • • • • • • • • • • • • • • • • • •	\$3 to	-,
Ornamental, per 100 Tiles Stone. Common Rubble, Per	Tosse, delivere	\$3 to  d	14 00 18 00
Straamental, per 100 Tiles	Toise, delivere Cubic Foot.	\$3 to  d	14 00
Stramental, per 100 Tiles Stone. Common Rubble, Per Large flat Foundation Blocks, State: Roofing (P 1944 red purple.	Toise, delivere Cubic Foot.	\$3 to	14 00 18 00 50
Snamental, per 100 Tiles  Stone  Common Rubble, Per Large flat "Foundation Blocks, "Foundation Blocks, "Foundation Blocks, "Fed  "purple	Tosse, delivere Cubic Foot.	\$3 to	14 00 18 00 50 18 00 9 00 9 00 7 75
Stramental, per 100 Tiles Stone. Common Rubble, Per Large flat Foundation Blocks, State: Roofing (P 1944	Tosse, delivere Cubic Foot.	\$3 to	14 00 18 00 50
Ornamental, per 100 Tiles  Common Rubble, Per Large flat Foundation Blocks, " Foundation Blocks, " Fed purple. unitadin black sl Terra Cotta Tile, per s Ornamental Black Slate  6and:	Cubic Foot.	\$3 to	14 00 18 00 50 18 00 9 00 9 00 7 75 25 00 8 25
Stane Common Rubble, Per Large flat "Foundation Blocks, "Foundation Blocks, "Foundation Blocks, "In purple, "In purple, "In black slates Terra Cotta Tile, per Sornamental Black Slates and:  Per Load of 1½ Cubic	Cubic Foot. sare). g green q Cooling	d	14 00 18 00 50 18 00 9 00 9 00 7 75 25 00
Ornamental, per 100 Tiles  Stone.  Common Rubble, Per Large flat Foundation Blocks, " Foundation Blocks, " glate: Roofing (P 1914 " purple. " purple. " unitadin " black sl Terra Cotta Tile, per s- Ornamental Black Slate  Band: Per Load of 1½ Cubic  PAINTS.	Cubic Foot.  sre).  g green ate  Roofing  Yards  (In oil, 3 lb.)	\$3 to	14 00 18 00 50 18 00 9 00 9 00 7 75 25 00 8 25
Sraamental, per 100 Tiles Stone Common Rubble, Per Large flat "Foundation Blocks, "Foundation Blocks, "It will black stone to the common flat stone to the common	Cubic Foot.  ggreen.  ate.  Roofing.  Yards.  (In oil, \$\varphi\$ lb.)	\$3 to	14 00 18 00 50 18 00 9 00 9 00 7 75 25 00 8 25
Snamental, per 100. Titles.  Stone. Common Rubble, Per Large flat "Foundation Blocks, "Foundation Blocks, "It will black at the control of th	Cubic Foot.  ggreen. ate.  Roofing.  Yards.  (In oil, *8 lb.)	\$3 to	14 00 18 00 50 18 00 9 00 7 75 25 00 8 25 1 25 6 50 7 50 6 50 7 50 6 50 7 75
Ornamental, per 100. Tiles.  Common Rubble, Per Large flat	Cubic Foot. src). g green. ate q. Roofing. Yards. (In oil, \$\tilde{b}\$)	6 25 6 6 25 6 25 6 25 6 25 6 25 6 25 6	14 00 18 00 50 18 00 9 00 7 75 25 00 8 25 1 25 6 50 7 50 6 50 7 50 6 50 7 50 6 50
Ornamental, per 100. Tiles.  Common Rubble, Per Large flat	Cubic Foot. src). g green. ate q. Roofing. Yards. (In oil, \$\tilde{b}\$)	\$3 to	14 00 18 00 50 18 00 9 00 9 00 7 75 8 25 1 25 6 50 7 50 6 50 7 50 1 75 1 75 1 20 1 20
Sraamental, per 100. Tiles.  Stone. Common Rubble, Per Large flat "Foundation Blocks, "Foundation Blocks, "red" purple. "unladin "black slate! Roofing (P 19th 19th 19th 19th 19th 19th 19th 19th	Cubic Foot.  Sere).  g green.  ate.  g.  Roofing  Yards.  (In oil, \$\vartheta\$ lb.)	\$3 to	14 00 18 00 50 18 00 9 00 9 7 75 25 00 8 25 1 25 6 50 6 7 7 7 50 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Sraamental, per 100. Tiles.  Stone. Common Rubble, Per Large flat "Foundation Blocks, "Foundation Blocks, "red" purple. "unladin "black slate! Roofing (P 19th 19th 19th 19th 19th 19th 19th 19th	Cubic Foot.  Sere).  g green.  ate.  g.  Roofing  Yards.  (In oil, \$\vartheta\$ lb.)	53 to	14 00 18 00 50 18 00 9 00 9 00 7 75 25 00 7 75 25 00 1 75 1 75 1 75 1 12 1 12 1 12 1 12 1 12 1 12 1 12 1 1
Sraamental, per 100. Tiles.  Stone. Common Rubble, Per Large flat "Foundation Blocks, "Foundation Blocks, "red" purple. "unladin "black slate! Roofing (P 19th 19th 19th 19th 19th 19th 19th 19th	Cubic Foot.  Sere).  g green.  ate.  g.  Roofing  Yards.  (In oil, \$\vartheta\$ lb.)	\$3 to	14 00 18 00 50 18 00 9 00 9 00 8 25 1 25 1 25 1 25 1 2 2 2 2 2 2 2 2 2 2
Ornamental, per 100. Tiles	Cubic Foot.  are).  g green.  are  Roofing.  Yards.  (In oil, 30 lb.)	\$3 to	14 00 18 00 50 18 00 9 00 9 00 8 25 1 25 1 25 1 25 1 2 2 2 2 2 2 2 2 2 2
Ornamental, per 100. Tiles	Cubic Foot.  sre).  g green. ate Roofing.  Yards. (In oil, \$\overline{0}\$ lb.)	\$3 to \$3	14 00 18 00 50 18 00 9 00 9 77 75 5 2 00 12 12 12 12 12 12 12 12 12 12 12 12 12
Sraamental, per 100. Tiles.  Stone. Common Rubble, Per Large flat Foundation Blocks,  "red "purple. "untadin. "black sl Terra Cotta Tile, per s. Ornamental Black Slate Stand: Per Load of 1½ Cubic  PAINTS. White lead, Can "rinc, Can Red lead, Eng "venetian "vermillion "Indian, Eng Yellow ochre Yellow chrome "Paris Black, lamp Blue, ultramarine Oil, linsecd, raw (& Im.) "foiled" "refined, Puty Whiting, dry Paris white Eng., dry. Litharge, Am Sienna, burnt	Cubic Foot, are).  g green. ate. g. Roofing.  (In oil, & 15.)	53 to  6 255 250 20 20 25 25 25 25 25 25 25 25 25 25 25 25 25	14 00 18 00 50 18 00 7 7 75 20 20 20 12 20 22 22 22 22 22 22 22 22 22 22 22 22
Sramental, per 100. Tiles.  Stone. Common Rubble, Per Large flat Foundation Blocks,  glate: Roofing (P squinter of the control	Cubic Foot, are).  g green. ate. g. Roofing.  Yards. (In oil, 8 15.)	53 to d	14 00 18 00 50 18 00 7 7 75 20 20 20 12 20 22 22 22 22 22 22 22 22 22 22 22 22
Örnamental, per 100. Tiles.  Stone.  Common Rubble, Per Large flat "Foundation Blocks, "Foundation Blocks, "red"  " red"  " red"  " red"  " red"  " purple.  " unitadin black si Terra Cotta Tile, per se Ornamental Black Slate  Band:  Per Load of 1½ Cubic  PAINTS.  White lead, Can	Cubic Foot.  are).  g green.  ate.  Roofing.  Yards.  (In oil, 8 lb.)  b. gallon)  LIME, etc.	53 to d	14 00 18 00 50 18 00 9 00 8 25 1 25 6 50 12 20 10 20 12 20 10 20 12 20 10 20 12 20 1
Örnamental, per 100. Tiles.  Stone.  Common Rubble, Per Large flat  Foundation Blocks,  grade:  Per Load of 1 Cubic  PAINTS.  White lead, Can  rection  Indian, Eng  vermillion  Indian, Eng  Yellow chrome.  Green, chrome.  Yellow chrome.  Green, chrome.	Cubic Foot.  Secondary  Green.  Roofing.  Yards.  (In oil, 8 lb.)  LIME, etc.	53 to d	14 00 18 00 50 18 00 9 00 9 7 7 75 6 2 2 1 25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Örnamental, per 100. Tiles	Cubic Foot.  sre).  g green.  ate.  Roofing.  Yards.  (In oil, \$0 lb.)  LIME, etc.  ushels, Grey.  Brunswick.	53 to d	14 00 18 00 9 00 9 00 7 75 00 1 75 00
Ornamental, per 100. Tiles	Cubic Foot.  sre).  g green.  ate.  Roofing.  Yards.  (In oil, Vib.)  b. gallon)  "White Brunshels, Grey."  White Brunshels, Grey.  "Brunswick.	53 to d	14 00 18 00 50 18 00 9 00 9 00 7 75 21 00 20 17 25 26 20 20 20 20 20 20 20 20 20 20 20 20 20
Sramental, per 100. Tiles.  Stone.  Stone.  Common Rubble, Per Large flat "Foundation Blocks, "glate: Roofing (P 1944)  " red" purple. "Indian black slate: Roofing the per Load of 1½ Cubic PAINTS.  White lead, Can	Cubic Foot.  are).  g green.  ate.  G Roofing.  Yards.  (In oil, V ib.)  b. gallon).  "White Brunshels, Grey. "White Brunshels.	53 to	14 00 18 00 50 18 00 9 00 7 75 28 8 25 1 25 6 5 00 20 20 20 20 20 20 20 20 20 20 20 20
Ornamental, per 100. Tiles	Cubic Foot.  sre).  g green.  ate.  Roofing.  Yards.  (In oil, \$0 lb.)  LIME, etc.  ushels, Grey.  Brunswick.	53 to	14 00 18 00 9 00 18 00 9 00 8 8 25 1 25 0 6 25 1 20 1 20 20 20 20 20 20 20 20 20 20 20 20 20
Sramental, per 100. Tiles. Stone. Common Rubble, Per Large flat "Foundation Blocks, "Foundation Blocks, "red" "purple" "Per Load of 1½ Cubic PAINTS. White lead, Can	Cubic Foot.  are).  g green.  are  Roofing.  Yards.  (In oil, & lb.)  b. gallon)  LIME, etc.  white  Brunswick.  age  Brunswick.  age  bbl.	53 to	14 00 18 00 18 00 9 00 9 00 9 7 7 75 00 1 25 0
Sramental, per 100. Tiles. Stone. Stone. Common Rubble, Per Large flat Foundation Blocks, "Foundation Blocks, "ed" Foundation Blocks, "red" Foundation Blocks, "red" Foundation Blocks, "red" Indian black slates ornamental Black Slates	Cubic Foot.  are).  g green.  are  Roofing.  Yards.  (In oil, & lb.)  b. gallon)  "White  Brunswick.  age  Brunswick.  age  Brunswick.  age  Brunswick.  Brunswick.	53 to	14 00 18 00 18 00 9 00 9 00 9 7 7 75 00 17 75 00 17 75 10 10 10 10 10 10 10 10 10 10 10 10 10
Sramental, per 100. Tiles. Stone. Stone. Common Rubble, Per Large flat Foundation Blocks, "Foundation Blocks, "ed" Foundation Blocks, "red" Foundation Blocks, "red" Foundation Blocks, "red" Indian black slates ornamental Black Slates	Cubic Foot.  are).  g green.  are  Roofing.  Yards.  (In oil, & lb.)  b. gallon)  "White  Brunswick.  age  Brunswick.  age  Brunswick.  age  Brunswick.  Brunswick.	53 to	14 00 18 00
Sramental, per 100. Tiles. Stone. Stone. Common Rubble, Per Large flat Foundation Blocks, "Foundation Blocks, "ed" Foundation Blocks, "red" Foundation Blocks, "red" Foundation Blocks, "red" Indian black slates ornamental Black Slates	Cubic Foot.  are).  g green.  are  Roofing.  Yards.  (In oil, & lb.)  b. gallon)  "White  Brunswick.  age  Brunswick.  age  Brunswick.  age  Brunswick.  Brunswick.	53 to	14 00 18 00 9 00 7 755 21 12 12 12 12 12 12 12 12 12 12 12 12
Sramental, per 100. Tiles. Stone. Common Rubble, Per Large flat "Foundation Blocks, "Foundation Blocks, "red" "purple" "Per Load of 1½ Cubic PAINTS. White lead, Can	Cubic Foot.  are).  g green.  are  Roofing.  Yards.  (In oil, & lb.)  b. gallon)  "White  Brunswick.  age  Brunswick.  age  Brunswick.  age  Brunswick.  Brunswick.	53 to	14 00 18 00 18 00 9 00 9 00 9 7 7 75 00 17 75 00 17 75 10 10 10 10 10 10 10 10 10 10 10 10 10

MONTREAL PRICES.	Builders' Supplies.		PAINTERS.	
Lumber, Etc.	Adamson, Joseph	II I	Dill & O'Hearn Gilmor & Casey	II II
Ash, 1 to 4 in, M	Morrison & Co., T. A	iv	Hatch, W. J	II
Basswood	Maguire, WilliamMcNally & Co	vil	Polito, T	II II
Butternut, per.M	Rathbun Co	viii	PAINTS, VARNISHES, &C.	
Elm, Soft, 14t	CEMENTS.		Muirhead, Andrew	xvi
Elm, Rock	Adamant Mfg. Co	viii vii	PAVING.	:-
Oak, M	Maguire, William	v iv	Excelsior Pavement Co	ix xiil
Pine, select, M	Morrison & Co., T. A. Rathbun Co.	iv viii	Gardner & Co., A.	iv
Shipping Culls	Terry, Edward	iv	PLASTERERS. Fox. R. B	11
Spruce, z to z inch, M		iv	Fox, R. B. Hynes, W. J. Lytteford & Thomas	I
Shingles, 1st quality 1 50 3 00	CHURCH AND SCHOOL FURNITURE.  Canadian Office & School Furniture Co	ii	Luttleford & Thorne Watson Pros	ii
" 2nd " 1 25 1 50  Coment, etc.	Office Specialty Co	víí ii	PLATE GLA'S.	
	The Globe Furniture Co	68	McCausland & Son	v vii
Portland Cement, per barrel\$ 2 70@ 3 00 Roman " 2 70 3 00 Fire Bricks, per M	CHIMNEY TOPPING.		PLUMBERS.	•••
Cut Naits:	Hansen, Harald M	×	Bennett & Wright	
Hot-cut Am. or Can. pattern, 3 inch and above 2 75 \$2 85	Consulting Engineer. Barry, A. B	II	McCrae & Watson	Vİ
Hot cut Am. or Can. pattern, 21/4 inch and above	CONTRACTORS AND BUILDERS.		PLUMBING SUPPLIES. Booth & Son	v
Hot-Cut Am. or Can. pattern, 21/4 and	Andrews, Francis	11	Garth & Co	
Am. pattern, 1½ and 1½ inch hot-cut 3 50 5 60 1½ inch 4 25 5 80 Can. Pattern, cold-cut, 1½ and 1½ inch 3 75 5 95	Amess, James Davidson & Kelly	Vi II	Malcolm, W. B	V
Can. Pattern, cold-cut, 11/4 and 11/4 inch 3 23 4 45 11/4 inch 3 75 5 95	Dick, James, sr	vi vi	St. Johns Stone Chinaware Co	iii
Finishing Nais, per 100 lb. keg, 1%	Hood & Co., C	11	ROOFING MATERIALS.  Canada Galvanizing & Steel Roofing Co.,	ij
Finishing Nails, per 100 lb. keg 11/2 to 13/4 inch 3 85	Hancock, Thomas	II vi	Merchant & Co	III
Finishing Nails, per 100 lb. k.g, 2 inch and p	Lyall, Peter	iii II	Metallic Roofing Co  Roofers.	ii
Paint tc.	Thomas & Howell	Ц	Baird Bros	v
Wh Lead, pure, 25 to 200 lb. kegs. 6 00 7 00 100 No. 1 5 25 5 50	Turner & Co., G. W	vi II	Duthie & Sons, G	II
" Non Asc to	CUT STONE CONTRACTORS.		Metallic Roofing Co	ii
dry	Curtis & Rowe	II II	Hutson, W. D	II xii
Yenetian Red, Engist       1 35 175         Yellow Ochre, French       1 25 3 00         Whiting, London, washed       0 65 0 75         Paris       1 25 2 25	Isaac Brothers	11	Rennie & Son, R	II II
	Oakley & Holmes  ELECTRIC LIGHTING.	11	Shales, John H	II
Olle: Linseed, raw 063 055	Anderson & Co., A. T	ix	Stewart, W. T. Toronto Roofing Co	Ц
" boiled 0 66 0 58	Royal Electric Co	I ix	Williams & Co., H	II
" machinem	ELEVATORS.	•••	SASH BALANCE.	
			Hargreaves John	
" extra, qt., per case	Ives & Co., H. R.	ıv	Hargreaves, John	
" extra, qt., per case 3 00 3 25 10 250 260 11 275 275 275 275 275 275 275 275 275 275	Leach & Turnbull	IV I		xvi
			SHINGLE STAINS.	xvi
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