Technical and Bibliographic Notes / Notes techniques et bibliographiques

The Institute has attempted to copy available for filming. Feat may be bibliographically unique of the images in the reproduction significantly change the usual machecked below.	tures of this cop e, which may al on, or which ma	y which ter any ly		i e k r	ui a été xempl ibliogi eprodu	é possi aire qu raphiq uite, ou métho	ble do se p ui sont peu ue, qui peu u qui peuv	rocurer. L it-6tre uniq uvent modi vent exiger	exemplaire ques détails de ques du point fier une imagune modificate sont indiques sont indiques exemplaires que sont indiques sont indiques que sont indiqu	cet de vue ge ation	
Coloured covers/ Couverture de couleur				[ed pages/ e couleur				
Covers damaged/ Couverture endommagée					Pages damaged/ Pages endommagées						
Covers restored and/or la Couverture restaurée et/o						_		d/or lamina t/ou pellicu			
Cover title missing/ Le titre de couverture ma	nque				1/1	•		, stained or tachetées c			
Cartes géographiques en c	Coloured maps/ Cartes géographiques en couleur				Pages détachées Pages détachées						
Coloured ink (i.e. other t Encre de couleur (i.e. aut				[. /!	howth ranspa	rough/ arence				
Coloured plates and/or ill Planches et/ou illustration				[A /I	-	of print va inégale de	aries/ l'impressio	on		
Eound with other materia Relié avec d'autres docum					1		uous pagin				
Tight binding may cause along interior margin/					- 1		s index(es) end un (de				
La reliure serrée peut causer de l'ombre ou de la distorsion le long de la marge intérieure					Title on header taken from:/ Le titre de l'en-tête provient:						
Blank leaves added durin within the text. Wheneve been omitted from filming	er possible, thes	e have				•	age of issue titre de la				
Il se peut que certaines pages blanches ajoutées lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont				Caption of issue/ Titre de départ de la livraison							
pas été filmées.				Masthead/ Générique (périodiques) de la livraison							
Additional comments:/ Commentaires supplément	ntaires:										
This item is filmed at the reduc Ce document est filmé au taux											
10X 14X	- 	18X	 	22X		γ	26X	 	30×		
12X	16X		20X			24X		28X		32×	

A Weekly Journal of Advance Information and Public Works.

ITS PURPOSE: TO SUPPLY TO CONTRACTORS ADVANCE INFORMATION RESPECTING CONTRACTS OPEN TO TEMP 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, December 26, 1891.

No. 46

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 2362.

64 Temple Building, -Montreal. Bell Telephone 2299.

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

ADVERTISING RATES ON APPLICATION.

At its Convention held in Toronto, Nov. 30 and 31, 1889, the Untario Association of Architects signified its approvat of the CANADIAN CONTRACT IEEURD, and pledged its members to use this journal as their medium of communication with contractors with respect to advertisements for Tonders.

Tenders.

The following resolution was unanimously adopted at the First Annual Meeting of the Province of Quebec Association of Architects, 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 Concention being satisfied that the CANADIAN OINTRACT LECUID affords us a direct communication with the Contractors,—Resolved, that we piedge our support to it by using its columns when calling for Tenders."

The publisher desires to ensure the regular and or the publisher 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 two may change their address should also give prompt notice of same, and in doing so, should give both old and new address.



NOTICE TO CONTRACTORS.

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to 11 o'clock a.m. on TUESDAY, DECEMBER 29TH, 1891, for the construction of

A CEDAR BLOCK PAVEMENT

On Ossington Avenue, from Bloor street to the C. P. Railway tracks.

Plans can be seen and forms of tender obtained

Plans can be seen and forms of tender obtained at the Unit Engineer's office on and after the 23rd day of December, 1891.

A deposit in the form of a marked cheque, payable to the order of the Unit Treasurer, for the sum of 2½ per cent, on the value of the work tendered for, 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 contractor and his sureties (see specifications), or they will be ruled out as informal.

The committee do not bind themselves to ac-

cept the lowest or any tender.

JOHN SHAW, Chairman, Committee on Works. Committee Room. Toronto, Dec. 15, 1891.

TO CONTRACTORS

Sealed tenders, separate or in bulk, will be received by the undersigned up to 1000 ock noon on luesday, optimist. 1891, for the masonry, carpenter and joiner's work, stating, lathing and plastering, painting, heating and ventilation and leaded stained glass windows required in the erection and completion of a brick church edifice at Glencoe.

Plans and specifications can be seen at the Methodist parsonage, Glencoe, also at the office of M. I. Buffy, architect, Richmond street, London. The lowest or any tender not necessarily accepted

Rev. W. W. EDWARDS,

Cor.-Secretary

TENDERS

Tenders will be received by the undersigned up to MONDAY, IAN, 4711, 1892, at 6 p.m., for the various works required in the erection of an

"Hospital in the Town of Owen Sound.

Plans and specifications can be seen at the office of the architect.

Lowest or any tender not necessarily accepted. J. C. FORSTER, Architect. Meir's Block, Owen Sound.

WATERWORKS.

Notice to Contractors.

Sealed tenders will be received until Friday, the 3th day of January, 1892, at 6 p.m., for the construction of a system of Water Works for the Town of Springbill, Nova Scotia.

Plans, specifications and terms can be seen at the office of the Town Clerk, to whom all tenders must be addressed, marked "Tender for Water Works."

Works."

The lowest or any tender not necessarily ac-

By order, DANIEL McLEOD,

Town Clerk. Springhill, N.S., Dec. 19th, 1891.



Notice to Contractors

Tenders will be received by registered post addressed to the City Engineer. Toronto, up till 11 0 clock a.m., of the 20TH DAY OF DECEMBER, for the supply of

Sewer Pipes and Wrought and Cast Iron Work

FOR THE-YEAR ENDING DECEMBER 31ST, 1892

Specifications and forms of tender can be obtained at the office of the City Engineer on and after the 14th day of December, 1841.

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 emeratined. All tenders must bear the bina fide signatures of the contractor and his sur ties (see specification), or they will be ruled out informal.

The committee do first bind themselves to accept the lowest or any tender.

the lowest or any tender.

JOHN SHAW. Chairman Committee on Works. Committee Rooms, Toronto, Dec. 8th, 1891.

VANCOUVER WATER WORKS.

Sealed tenders will be received, addressed to to "Thos. F. McGuigan, City Clerk, Vancouver. B. C., up to 3 p. m., IRIDAY, JANUARY 15TH, 1892, for about

- 1. 1,830 Tons Cast Iron Pipes and Special Castings.
- 80 Tons Pig Lead and Pipe.
- 3. 100 Hydrants and 200 Valves.

Specifications and particulars may be obtained on application to the undersigned, or at the office of this paper.

The lowest or any tender not necessarily accepted.

THOS. H. TRACY. City Engineer.

Vancouver, Dec. 16th, 1891.



NOTICE TO CONTRACTORS.

Tenders for the Annual Supplies for 1892.

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to 11 o clock a.m. on I LEDAY, DECEMBER 297H, 1891, for the following supplies for the year ending December 31st, 1892

COBBLE STONE,
MACADAM,
TAMARAC BLOCKS,
LUMBER,
SAND AND GRAVEL,
LOAM,
CEDAR DOSES

SAND AND GRAVEL,
LOAM,
CEDAR POSTS,
CEDAR KERBING,
SPIKES AND NAILS.
Forms of tender obtained on and after December 22nd, 1891, at the office of the City Engineer.
A deposit in the form of a marked cheque, pay able 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.

[OHN SHAW]

Committee Room, Toronto, Dec. 18th, 1891.

In describing a method of making a stone for sharpening tools, a contemporary says. "Take gelatine of a very good quality which melts in an equal quantity of water. The operation should be performed in darkness, as daylight is injurious to gelatine. When melted, add 11/2 per cent, of bi-carbonate of potash, previously dissolved. Then take about nine times, by weight, the quantity of gelatine employed, of very fine emery and pulverized flint stone, which mix intunately with the dissolved gelatine. Mold the obtained paste according to the desired form and press it as hard as possible to consolidate the mass well. After it has been dried in the sun the result will be a first-class stone for sharpening.

CONTRACTS OPEN.

STRATFORD, ONT.—A 30,000 bushel elevator is to be erected here.

Wellington, B. C.—It is probable that an hospital will be erected here.

CHATHAM, ONT.—The council are considering the construction of a sewerage system.

Alliston, Ont.—The citizens are discussing the question of a system of water works.

MONTREAL JUNCTION, QUE.—The Methodists are looking for a site on which to erect a church.

St. Thomas, Ont.—Engineers are surveying for the proposed extension of the Walkerville railway.

EDEN, ONT.—At a public meeting held recently, it was decided to creet a Foresters' Hall, 40 ft. x 60 ft.

BATH, ONT,—Mr. Parrot has offered twenty acres of land and \$1,000 towards the erection of a county poor house.

BRANTFORD, ONT.—At a recent meeting of the W. C. T. U., it was decided to erect a large temperance hotel, at a cost of \$15,000.

TORONTO JUNCTION, ONT.—The council are considering the construction of a sewer on Ontario street, at an estimated cost of \$5,000.

HAMILTON, ONT.—The property owners on Elizabeth street have petitioned the council to have a sewer constructed on said street at once.

SARNIA. ONT.—The ratepayers will vote on a by-law on the 2nd of January to expend the sum of \$15,000 on the extension of the water works.

VICTORIA, B. C.—The Phoenix Brewing Company have applied for incorporation, with the object of establishing a brewery. The capital stock is \$50,000.

WATERI.00, ONT.—The Waterloo Gas Company have decided to put in an electric light plant for arc and incandescent lighting for streets, shops and residences.

ARNERIOR, ONT.—The residents and council are discussing the project of obtaining their water supply from a neighboring spring. The scheme would cost about \$30,000.

NESBITT. MAN.—Mr. Wm. Allport will shortly commence the erection of a residence on Sherman street.—Mr. James Crosby contemplates erecting a building to be used as stores.

MONCTON, N. B.—The public are agitating for the construction of a railway and carriage bridge over the Petitodiac river to replace the highway bridge recently destroyed by floods.

PETERBORO, ONT.—The Edison Company have been granted the franchise for the electric railway.—The council have decided to engage Mr. Alan Macdougall, of Toronto, to report on a sewerage system for the town.

NORWOOD, ONT.—Mr. W. H. Stephenson. Secretary Board of Education, will receive tenders until the 1st January, 1892, for the erection of a new High School building. Plans and specifications at the office of the Secretary.

ST. ANDREWS, N. B.—The New Brunswick Red Granite Company are making arrangements for laying a track from their quarries at St. George to the "Red Store," near the mouth of the Magaguadavic river. The distance is about four miles.

SHERBROOKE, QUE.—The E. T. Corset Company are applying to the council for a bonus of \$15,000 to and them in extending their works.—Mr. Lemaire has prepared plans for a new block to be erected in the spring for Mr. F. Codere. The buildings will have cut stone fronts, and be three stories high.

WINNIPEG, MAN.—The Great Northern Railroad Company has just awarded the contract for the last 200 miles of its extension to the Pacific coast. The road will cross the Columbia river at Wenatche, where a bridge 3,200 feet long will be built, at a cost of \$500,000, and just east of that point a tunnel 3,000 feet long will be constructed.

SPRINGHILL, N. S.—As will be seen by the notice to contractors in another column, bids will

be received up till the 9th of January, 1892, for the construction of waterworks at Springhill, N. S. The sewer is about seven miles distant from the town, where a dam thirty feet high will be built of earth with core of masonry, with about five miles of distributing pipes through the town. 26 hydrants will be placed in different parts of the town. The main pipe is 12 and 14 inches internal diameter. In all about 1,900 weight of pipe will be used besides special castings.

MONTREAL, QUE.—W. I. Thomas, architect, is preparing plans for a coach house and stable for Mr. D. Melntyre, to cost \$25,000.—The city council have appointed a committee to report on the most suitable site for the erection of incinerators, at a cost of \$20,000.—The sum of \$60,000 has been appropriated by the council for improvements on Pine Ave. and Commissioner St., and \$10,000 for grading and paving Atwater Ave. from Notre Dame St. to St. Catherine St.,—The trustees of the Roman Catholic parish of Hochelaga will apply to the legislature for authority to change the mode of assessment to complete the erection of the parochal church.

OTTAWA, ONT .- The Department of Public Works is calling for tenders for the construction of a powder magazine for the barracks of the Mounted Infantry School corps, Winnipeg, Man. -Mr. Devlin, chief engineer, and Mr. Adams, clerk of works, have been instructed to report on the best means of disposing of the sewage of the Kingston Pententiary .- The Deputy-Superintendent of Indian Affairs has given notice that the time for the reception of tenders for the erection of a stone church on the Cape Croker Indian Reserve, County of Bruce, has been extended until the 19th day of January, 1892.-The Gaol and Building Committee have recommended that the goal building be lighted with electricity.-T. Trudeau, Acting Secretary Department of Railways and Canals, will receive tenders until Tuesday, 19th January, for the several works connected with the construction of sections. No 11, 12 and 13 of the Soulanges Canal, situated between the village of Cote du Lac and Coteau Landing, P. Q. Plans at engineer's office, Coteau Landing, and at the above Department.

TORONTO, ONT .- The tenders for the erection of an isolated hospital have been found to be too high, the lowest bulk tender being \$6,000. A committee has been appointed to revise and modify the plans, and new tenders will likely be called for .- The Court of Revision has confirmed the assessment for a cedar block pavement on Halton street.-Mr. S. H. James is contemplating the erection of an eight-story building at the north-east corner of King and Yonge streets .-The City Engineer has been instructed to report on the advisability of extending the street railway from Dufferin street to High Park, via Duncan street and Roncesvalles avenue.-The Board of Works have adopted the recommendation of the City Engineer that a tamarac pavement, with concrete foundation, be laid on Roxborough avenue, at a cost of \$15.000,-Mr. J. J. Wright, manager of the Toronto Electric Light Company, is preparing plans for a new building and chimney which the company will erect under his direction on their water lot adjoining their present building. The new building will be same size and construction as present station. The chimney will be 12 ft. square and 120 ft, high. Seven hundred additional horse power will be added to the present steam plant.-Mr. H. Crewe, civil engineer, Canada Life Building, will receive tenders until January and for the crection of a grand stand and fences on the new grounds of the Toronto Lacrosse and Athletic Association, Rosedale.-Building permits have been granted as follows: King & Roberts, four s.d. 2-storey and attic bk. dwellings, s. e. corner Devercourt road and Hepbourne st., cost \$15.000; Mrs. Sarah Kyle, five det. a storey and attic bk. dwellings, e. side Cowan ave., s. of King st., cost \$22,500; R. A. Graydon, det. 2-storey and attic bk, dwelling, w. side St. George st., cost \$9.000; D. M. Defoc. 4-storey bk. addition to factory, 107 Adelaide st. west, cost \$7,000; H. & E. Indson,

eight att. 3-storey bk. stores, cor. Queen st. and Dovercourt road, cost \$30,000, James Hurst, two s. d. 2-storey and attic bk, dwellings, n. side Macpherson ave., cost \$4,600.

FIRES.

The Notre Dame Institute on Bond street, Toronto, was damaged to the extent of \$3,000 on-Monday last. - Hemming's flour mill at Goderich, Ont., was destroyed by fire on Tuesday last. Loss \$6,000; insurance \$1,200. - The Union hotel and two residences at Buctouch, N.B., were burned on the 22nd inst. Loss \$6,000; small insurance.-The barns and outbuildings of J. H. Ferris, Buth, Ont., were burned on the 18th inst. Loss \$8,000; insurance \$4,400.-James Edmonson's saw mill at Uhthoff, Ont., was burned on the 20th inst. Loss \$3.500; partially insured.-The dwelling house of John Platzir, Blyth. Ont.. was burned on the 17th inst.-The premises of Christopher Brodeur, 4 Bousece irs St., Montreal, was damaged to the extent of \$11,000 recently. Insurance \$6,000. — Bowlby's grist mill near Rockford, Ont., was burned on the 19th inst. Loss \$5,000, -The Roman Catholic Cathedral at Aylmer, Que., was damaged to the extent of \$2,000 on the 20th inst. Loss covered by insur-

CONTRACTS AWARDED.

HALIFAX, N. S.—The Nova Scotia Telephone Co. have awarded the contract for their new building to Messrs. Rhodes, Curry & Co., of Amherst. The building is to cost \$25,000. J. C. Dumaresq, architect.

RIPPING UP SLABS OF STONE.

French ingenuity has contrived an improved stonecutting saw of remarkable efficiency—a circular saw having its edge set with black diamonds in the same way as the straight blades, but as the strain on the diamond is all in one direction, the sitting can be made much firmer. Moreover as the movement of the circular saw is more rapid than that of the straight one, the effect of the diamond teeth is increased by the force of the impact upon the object to be cut without the exertion of more power in propulsion.

In order to keep this kind of saw at starting in perfect plane, it is made to revolve between two pairs of guides, but as soon as the cut in the stone is deep enough to serve as a guide the temproary ones are moved, the consequence of this management being that the cut surfaces of the stone, instead of being wavy, so as to require subsequent dressing to a plane surface, are straight and smooth, lacking only to be polished. The stone to be cut is pushed against the saw by a carriage similar to that used in sawing wood, and the rapidity with which it is divided is very great. At one establishment where two saws are in use, the green Alpine granite is sawed at the rate of nearly an inch a minute, hard marble at three inches a minute, and marble of moderate hardness, also hard limestone, four inches a

Webber & Ledrew, builders, Toronto, have assigned.

Terra-cotta tiling weighs from twenty-five to thirty-five pounds per square foot.

As a cement for stones, Dutch tiles, etc., which come in contact with warm water, a mixture of 8 parts by weight of tallow and 5 parts by weight of lime is used in Turkey. Before use, the cement must be heated.

THE FIRST IRON BRIDGE.

At the present day, when we are accustomed to look upon iron as the chief constructive material with which civil engineers and architects all over the country deal, the first iron bridge that was ever built is a curious sight. This bridge, the arches of which were made of iron, was called "Iron bridge," and it was erected in 1778. It spans a little river in the county of Salop, on the railroad line from Shrewsbury to Worcester, in England. At the present day the structure is surrounded by a thriving little village, which took its name from the bridge. Several iron foundries have been established in the neighborhood. The structure was a timid attempt at what has since developed into an extensive industry. There are 3 supports; two of them are very small and cross a narrow country road, while the third and largest one spans the bed of the river. It is about 96 feet long and weighs 378 tons.

The braces were cast at Coalbrookdale, every bar being composed of two segments. Stephenson, the great civil engineer, wrote as follows on the construction of this first iron bridge: "When we bear in mind that the manipulation of cast iron was at the time of its erection in its infancy we cannot help but feel convinced that unblushing audacity alone could conceive of such an enterprise and the intelligence with which the details were outlined and executed is equal to the boldness of the conception." The bridge is constantly used and is in excellent condition, a fact which disproves all the ominous clamorings of cranks that the pernicious influences of rust will sooner or later bring danger to the iron bridges of to-day.

WIRE ROPE TESTS.

At the Sheffield Testing Works, recently, some interesting tests were made with wire ropes, which, says the local Telegraph, reflected credit not only upon the manufacturers of the ropes, Messrs. W. Cooke and Company, Limited, but upon Mr. Thomas Nash, M.I.M.E., the proprietor and manager. Messrs. Cooke have just completed an order for the China Japan Trading Company, for wire ropes to be used in mines in China and Japan. They are made of patent steel wire, and each rope has six strands, with 19 wires to each strand. It has always been necessary for manufacturers to send their ropes to London to be tested, but recently Mr. Nash laid down a machine of the latest pattern, worked by hydraulic pressure. The trial of Messrs. Cooke's ropes was the first successful public one that has taken place. There were five samples of rope, each 50 in. long, and the results were as follows:-One rope of 411 in circumference stood a strain of 61 tons before breaking, the elongation being 234 in.; the rope of 334 in. circumference stood 421/2 tons, the clongation being 3in.; the 3½ in. tope stood 40 tons and elongated 23% in.; the 31/2 in. rope stood 35 tons, the clongation being 23/8 in.; and the 41/2 in. rope stood 581/2 tons, the elongation being 256 in. The tests were

witnessed by Mr. T. Wilkinson, the managing director of Messrs. Cooke, who was extremely satisfied with the results, the rope standing a much heavier strain than was required by the company. The ordinary working strain of the ropes will be about a fourth of that employed them.

TO BUILDERS. ALEX. MACLEAN.

9 Victoria Street, Toronto.

Ofters to builders, on advantageous terms, lots on Ebzabeth St., Westmoreland Ave., Spencer Ave., Shaw St., Wellesley St. and Spadina road.

To Builders, Investors and Speculators.

Offers are invited to purchase that magnificent business site at the intersection of Dundas and Arthur streets and Ossington Ave. The lot has a frontage of 100 feet on Dundas and 120 feet on Arthur St., and is undoubtedly the best business corner west of Yonge St. Offers to be sent to F. J. Smith & Co., Estate Agents, 90 Church St.

J. A. NESBITT, ESTATE AND FINANCIAL AGENT AND ARBITRATOR.

Office: 9 Adelaide St. Rast, - TORONTO.
Office Telephone 1631. House Telephone 3692.
Money advanced on mortgage. Fire insurance at lowest rates. Values carefully estimated.

W. PARSONS.

No. 4 ADELAIDE ST. EAST, TORONTO.

Estate, Loan and Builders' Exchange.

I make a specialty of builders loans and builders properties. Money to loan, Telephone 2686. W. PARSONS,

Prices of Building Materials.

1,031 BKR.

CAR OK CARGO LOTS.

1% and thicker clear picks, Am. ms	3730 00	(4£33 00)
1 % and thicker, three uppers, Am ins.		37 00
13 and thicker, pickings, Am ins		27 00
1 x 10 and 12 drewing and better	18 00	
£ 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	13 00	13 00
1 x 10 and 12 spruce culls	10 00	
1 x 10 and 12 maple culls		9 00
t inch clear and picks	28 ∞	
1 inch dressing and better	18 00	
z inch siding, mill run	14 00	16 00
1 inch siding, common	11 00	13 03
t inch siding, ship culls		\$12 00
inch siding, mill cults.	8 00	
i inch siding, mill culls. Cull scanding	8 00	
1 % and thicker cutting up plank	22 00	
1 inch strips, 4 in. to 8 in. mill sun.	14 00	15 00
1 inch strips, common	11 00	12 00
1 1% inch flooring		
	14 00	15 00
13% inch flooring	14 00	ાઇ ૦૦
XXX shingles, sawn		CF 2 35
XX shingles, sawn	1 30	1 35
NA - 111 - D - C C C C		

Metallic Roofing Co. of Canada:

••	P	er Sa	uare.
hastlake steel slungles (galvanized),	22	25 10	\$ 75
Eastlake steel shingles (painted)		75	4 00
Improved Broad Rib Roofing, (gal-			•
vanized)	5	œ	5 75
Improved Broad Rib Roofing (painted)	3	50	4 00
North Western steel siding (painted)	3	25	35,
Manitoba steel siding (painted)	3	25	3 50
Metallic Finist ed Brick	3	25	3 50
Tower or Mansard shingles, (gal-			
vanized)			6 25
Tower or Mansard shingles (painted)			4 50
Metallic Terra Cotta Ti es			7 00
Price of Copper shingles according to	٠.:	es gist	ı, and
"Hayes" Patent Metal ic Lathing acco	101	ng to	quan-
nty.			

Canada Galvanizing & Steel Roofing Co.

Callada Garranizing & Sicer Rooming	CO.;
Corrugated Iron, galvanized, 22, 24, and 25 W. G., per lb	4½ cts.
Corrugated Iron, galvanized, 28 W. U., Corrugated Iron, painted, 26 W. G.,	51/4
per square	4 00
Broad Rib Roofing, galvanized, per	3 50
Bread Rib Roofing, painted.	5 50
Westlake shingles, steel, galvanized.	4 00
per square	5 00
Westlake shingles, steel, painted Standard shingles, "Walter's patent,"	3 50
galvanized, per square	5 50
painted	4 00
per Squa-c	3 50
Metallic Finish Brick, per square	3 25
Metallic Finish Clapboard, per square	3 40

	-
Mill cult boards and scantling	10 00
Shipping cull boards, promiscuous	13 00
Shipping cull boards, stocks	12 00 12 00
" " " 10 " 11 00	13 00
Scarting and loter, up to 10 tt	14 co 15 co
н н 20 (н н 22 (17 CU 19 CO
** ** ** ** ** ** ** ** ** ** ** ** **	21 00 23 00
4 4 28 ft	25 00 27 00
1 4 32 ft 1 4 34 ft 14 4 36 ft	27 00 29 10
" " 38 ll	31 00 33 00 30 00
Cutting up planks, 134 and thicker, dry 25 00	#6 oo
Cedar for block paving, per cord Cedar for Kerbing, 4 x 14, per M	5 ∞
	14 00
136 inch flooring, dressed, F. M 28 00 136 inch flooring rough, B. M 18 00 136 dressed, F. M 25 00	31 00 31 00
" unuressed, D, Al., 18 00	19 00
" dressed 18 00 undressed 12 00	15 00
Beaded sheeting, dressed 22 00 Clapboarding, dressed	12 00
XXX sawn shingles, per M, 16 in 2 65 Sawn lath 2 00	2 75 2 20
Sawn lath. 2 00 Red oak 30 00 White 15 00 Basswood, No. 1 and 2 15 00	45 00
	70 00
White rish, No. 1 and 2	30 00
Dressing stocks	49 00
RRIOR_N M	10 00
Good Facing	\$7 50 9 00
Possed Rriel:) 0 oc
Plain brick, f. o. b. at Milton, per M	\$18 00
Hard Building	14 00 19 00 8 00
KON THEE	10 00
Diamond locking tile	74 00 16 00
First quality, f.o.5, at Campbellville, per M	18 00 14 00
3rd " " " " " " " " " " " " " " " " " " "	0.000
Stone,	24 00
Common Rubble, Per Loise, delivered	14 00
i ange ii at	18 00
Foundation Blocks, " Cubic Foot	18 00
Foundation Blocks, " Cubic Foot	18 00 50 \$18 10
Foundation Blocks, Cubic Foot. DON VALLEY, F. O. R. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff	18 00 50 \$18 10 16 00 75 00
Foundation Blocks, "Cubic Foot DON VALLEY, P. O. N. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff	18 00 50 \$18 10 16 co
Foundation Blocks, Cubic Foot DON VALLEN, P. O. S. TORONTO. Plain brick, "A" "B" "B" "" "C" Trojan or Buff Ornamental, per 100 \$3 00 State: Roofing (P spears).	18 00 50 \$18 10 16 00 24 00 60 00
Foundation Blocks, Cubic Foot. DON VALLAY, O. B. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff	18 00 50 \$18 10 16 C0 24 C0 60 00 18 00 9 00 9 50
Foundation Blocks, Cubic Foot. DON VALLAY, O. B. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff	18 00 50 \$18 10 16 00 75 00 24 00 60 00 18 00 9 00 9 50 9 50 7 75 25 00
Foundation Blocks, Cubic Foot. DON VALLAY, O. B. TORONTO. Plain brick, "A" "B" "B" "C" Trojan or Buff	18 00 50 \$18 10 16 00 24 00 60 00 18 00 9 50 7 75 25 00 8 25
Foundation Blocks, Cubic Foot. DON VALLAY, P. O. B. TORONTO. Plain brick, "A" "B" "B" "C" Trojan or Buff	18 00 \$18 10 16 00 14 00 60 00 18 00 9 50 7 75 24 00 8 25 1 25
Foundation Blocks, Cubic Foot DON VALLEN, P. O. B. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff	18 00 \$18 10 16 00 14 00 60 00 18 00 9 50 7 75 24 00 8 25 1 25
Foundation Blocks, Cubic Foot. DON VALLEY, P. O. B. TORONTO. Plain brick, "A" "B" "B" "C" Trojan or Buff	18 00 \$18 10 16 10 15 00 24 00 60 00 18 00 9 00 7 75 25 00 7 75 25 00 8 25 1 25 6 50 7 75 7 7 75 7 7 75 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Foundation Blocks, Cubic Foot. DON VALLEN, P. O. B. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff. Ornamental, per 100	18 00 \$18 10 16 10 16 10 17 00 18 00 9 00 9 7 75 24 00 8 25 1 25 1 25 1 7 50 1 7 7 7 50 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Foundation Blocks, Cubic Foot. DON VALLEY, P. O. B. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff. Ornamental, per 100	18 00 \$18 00 16 00 17 00 24 00 60 00 18 00 9 00 7 75 25 00 8 25 1 25 1 25 1 75 1 75 1 20 20
Foundation Blocks, Cubic Foot. DON VALLEN, P. O. B. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff	18 00 \$18 00 16 00 15 00 16 00 17 00 18 00 9 00 9 775 27 00 8 25 1 25 1 75 1 75 1 75 1 00 20 21 21 21 21 21 21 21 21 21 21
Foundation Blocks, Cubic Foot. DON VALLEN, P. O. B. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff	18 00 \$18 10 16 00 15 00 16 00 17 00 18 00 9 00 9 775 27 00 8 25 1 25 1 75 1 75 1 75 1 20 20 21 21 22 24 20
Foundation Blocks, Cubic Foot. DON VALLEN, P. O. B. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff	18 00 \$18 10 16 10 16 10 17 00 18 00 9 50 7 75 27 00 8 25 1 25 1 25 1 25 1 25 1 20 1 20
Foundation Blocks, Cubic Foot. DON VALLEN, P. O. B. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff	18 00 \$18 10 16 00 16 00 16 00 18 00 9 9 55 27 7 50 8 25 1 25 1 25 1 20 20 20 40 40 40 40 40 40 40 40 40 4
Foundation Blocks, Cubic Foot. DON VALLEY, P. O. B. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff. Ornamental, per 100	18 00 \$18 00 15 00 16 00 17 00 18 00 9 9 775 27 00 18 25 1 25 1 75 1 20 1 20
Foundation Blocks, Cubic Foot. DON VALLEY, P. O. B. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff. Ornamental, per 100	18 00 \$18 10 16 00 15 00 16 00 17 00 18 00 9 775 27 00 8 25 1 25 1 75 1
Foundation Blocks, Cubic Foot. DON VALLEY, P. O. B. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff. Ornamental, per 100	18 00 \$18 10 16 00 14 00 18 00 9 00 9 77 27 00 18 00 9 77 27 00 17 00 17 00 17 00 17 00 17 00 17 00 18 00 18 00 19 00 19 00 19 00 19 00 19 00 19 00 19 00 19 00 19 10 10 10 10 10 10 10 10 10 10 10
Foundation Blocks, Cubic Foot. DON VALLEY, P. O. B. TORONTO. Plain brick, "A" """C" Trojan or Buff Ornamental, per 100	18 000 \$18 100 16 000 16 000 17 000 18 000 18 000 17 700 18 25 1 25 1 25 1 20 1 20
Foundation Blocks, Cubic Foot. DON VALLEY, P. O. B. TORONTO. Plain brick, "A" """C" Trojan or Buff Ornamental, per 100	18 00 \$18 00 16 00 16 00 17 00 18 00 9 7 75 27 00 8 25 1 25 1 25 1 20 1
Foundation Blocks, Cubic Foot. DON VALLEY, P. O. B. TORONTO. Plain brick, "A" """C" Trojan or Buff Ornamental, per 100	18 000 \$18 100 15 000 16 000 17 000 18 000 18 000 17 700 18 000 18 00
Foundation Blocks, Cubic Foot. DON VALLEY, P. O. B. TORONTO. Plain brick, "A" """C" Trojan or Buff Ornamental, per 100	18 000 \$18 000 15 000 16 000 17 000 18 000 18 000 17 700 18 000 18 00
Foundation Blocks, Cubic Foot. DON VALLEY, P. O. B. TORONTO. Plain brick, "A" """C" Trojan or Buff Ornamental, per 100	18 000 \$18 100 \$16 000 \$16 000 \$16 000 \$17 000 \$18 000 \$10 000
Foundation Blocks, Cubic Foot. DON VALEN, P. O. R. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff. Ornamental, per 100. \$3.00 State: Roofing (P synare). "purple. "instading green. "blank slate. Terra Cotta Tile, per sq. Ornamental black Slate Roofing. Nand: Per Load of 1½ Cubic Vards. PAINTS. (In oil, \$2.6) White lead Can. 63 Red lead, Eng. 53 "venerusin. 90 Indian, Eng. 10 Yellow ochre. 5 Yellow chrome. 7 "Paris. 25 Black, lamp. 15 Blue, ultramarine. 15 Green, chrome. 7 "Paris. 25 Black, lamp. 15 Blue, ultramarine. 15 Gil, linseed, raw (g Imp., callon). 65 "refined, 73 Putty. 24 Whiting, dry. 75 Paris white hng., dry. 00 Litharge, Am., 63 Sienna, burm. 15 Umber, "White Plaster, Calcined, New Brunswick. "Nova Scotia. Hair, Plasterer', per bag. Cement, Portland, per bbl. 26 "Thorold, "White Plaster, Portland, per bbl. 26 "Rapanee, "Hull, "ARDWARE.	18 000 \$18 000 16 000 16 000 16 000 17 000 18 00
Foundation Blocks, Cubic Foot. DON VALEN, P. O. R. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff. Ornamental, per 100. \$3.00 State: Roofing (P synare). "purple. "instading green. "blank slate. Terra Cotta Tile, per sq. Ornamental black Slate Roofing. Nand: Per Load of 1½ Cubic Vards. PAINTS. (In oil, \$2.6) White lead Can. 63 Red lead, Eng. 53 "venerusin. 90 Indian, Eng. 10 Yellow ochre. 5 Yellow chrome. 7 "Paris. 25 Black, lamp. 15 Blue, ultramarine. 15 Green, chrome. 7 "Paris. 25 Black, lamp. 15 Blue, ultramarine. 15 Gil, linseed, raw (g Imp., callon). 65 "refined, 73 Putty. 24 Whiting, dry. 75 Paris white hng., dry. 00 Litharge, Am., 63 Sienna, burm. 15 Umber, "White Plaster, Calcined, New Brunswick. "Nova Scotia. Hair, Plasterer', per bag. Cement, Portland, per bbl. 26 "Thorold, "White Plaster, Portland, per bbl. 26 "Rapanee, "Hull, "ARDWARE.	18 000 \$18 000 15 000 16 000 17 000 18 000 18 000 17 700 18 000 18 00
Foundation Blocks, Cubic Foot. DON VALEN, P. O. R. TORONTO. Plain brick, "A" "B" "C" Trojan or Buff. Ornamental, per 100. \$3.00 State: Roofing (P synare). "purple. "instading green. "blank slate. Terra Cotta Tile, per sq. Ornamental black Slate Roofing. Nand: Per Load of 1½ Cubic Vards. PAINTS. (In oil, \$2.6) White lead Can. 63 Red lead, Eng. 53 "venerusin. 90 Indian, Eng. 10 Yellow ochre. 5 Yellow chrome. 7 "Paris. 25 Black, lamp. 15 Blue, ultramarine. 15 Green, chrome. 7 "Paris. 25 Black, lamp. 15 Blue, ultramarine. 15 Gil, linseed, raw (g Imp., callon). 65 "refined, 73 Putty. 24 Whiting, dry. 75 Paris white hng., dry. 00 Litharge, Am., 63 Sienna, burm. 15 Umber, "White Plaster, Calcined, New Brunswick. "Nova Scotia. Hair, Plasterer', per bag. Cement, Portland, per bbl. 26 "Thorold, "White Plaster, Portland, per bbl. 26 "Rapanee, "Hull, "ARDWARE.	18 50 50 50 50 50 50 50 50 50 50 50 50 50
Foundation Blocks. Cubic Foot. DON VALLEN, P. O. R. TORONTO. Plain brick, "A" """C" Trojan or Buff. Ornamental, per 100. \$3 00 State: Roofing (P synare). "" intlading green. "" intlading gre	18 50 50 50 50 50 50 50 50 50 50 50 50 50
Foundation Blocks, Cubic Foot. Plain brick, "A" """""""""""""""""""""""""""""""""	18 000 \$18 000 \$16 000 \$16 000 \$16 000 \$16 000 \$16 000 \$17 000 \$18 000 \$17 000 \$17 000 \$17 000 \$17 000 \$17 000 \$17 000 \$18
Foundation Blocks, Cubic Foot. Plain brick, "A" """""""""""""""""""""""""""""""""	18 50 50 10 10 10 10 10 10 10 10 10 10 10 10 10
Foundation Blocks. Cubic Foot. DON VALLEN, P. O. R. TORONTO. Plain brick, "A" """C" Trojan or Buff. Ornamental, per 100. \$3 00 State: Roofing (P synare). "" intlading green. "" intlading gre	18 000 \$18 100 16 000 16 000 17 100 18 000 18 000 17 100 18 000 18 00

	THE CAMPIAN CONTRACT REC			
MONTREAL PRICES.	BUILDING STONE DEALERS.		ORNAMENTAL PLASTERERS. Baker, J. D	III
Ash, 1 to 4 in , M	Adamson, Jos.	II II	Hynes Terra Cotta & Brick Co Wright, Jas	vill
Walnut per M 50 on 100	Rathbun Co		PAINTS, VARNISHES, &C.	
O		, Vi	Muirhead, Andrew	×
Butternut, per M	Aikenheud & Crombie	xiv	PAINTERS. Dill & O'Hearn	
Blm, Rock	Nice Lewis & Son	VV XV	Gilmor & Casey Polito, T	
Oak M	O CRMENTS.		PAVING. Excelsior Pavement Co	×
Pine, select, M	Adamant Mfg. Co	Ĭ	Forsyth, Robert	xiii
Lath, M 150	97 Miguire, William.	iv iv	PLASTERERS.	• •
Sprice 1 to 9 inch. M 10 00 13	∞ Rathbun Co	iv vlii	Hynes, W. J	1 11
11 2nd 1 1 25	Terry, Edward	1V 11	PLASTERING FIBRE.	
German brands, per barrel \$ 2 65	85 CHURCH AND SCHOOL FURNITURE.		Nowell & Co., R. L.	xlii
London " 2 45 2	99 Canadian Office & School Furniture Co	xv xiv	PLATE GLASS. McCausland & Son	٧:
Newcastle "	The Globe Furniture Co	ıv	Toronto Plate Glass Importing Co Plumbers,	vii
Keene's Coane "Whites" 45' 4	CHIMNEY TOPPING. 75 Hansen, Harald M	xiv	Bennett & Wright Hortan, F	II vi
			McCrae & Watson	
Fire Bricks, Newcastle, per 11 2 0 24	Barry, A. B.	ii	Plumbing Supplies, Booth & Son	v
Red, English and Scotch, per cu. ft 65 Cream and Olive, " 68	CONTRACTORS AND BUILDERS. 85 Davidson & Kelly	11	Garth & Co	
Cream and Olive, " 68 Bath Stone Quarries Stone " 65	80 Dick, James, sr. Bagenais, J Benjamin.	vi vi	Sanitas Mfg. Co	v in
Cut Naits: Hot-cut Am, or Can, pattern, 3 inch	Hood & Co., C. Hancock, Thomas	11 11	ROOFING MATERIALS.	
and above	8s Hamilton, Edward	vi iii	Merchant & Co	
and above	Mortimore, Geo. T	II vi	Samuel, Benjamin & Co	χv
a inch. 325 4 Am. pattern, 1½ and 1½ inch hoteut 1½ inch 435 5 Can. Pattern, cold-cut, 1½ and 1½ inch 2½ inch. 325 4 Finishing Nails, per 100 lb. keg, 1½	60 Roberts. William]]]]	Booth & Son	v
Can. Pattern, cold-cut, 11/2 and 11/4 inch 3 25 4	45 Turner & Co., G. W	vi II	Ives & Co. H. R. Malcolm, W. B.	
Finishing Nails, per 100 lb. keg, 1%	50 CUT STONE CONTRACTORS.		St. Johns Stone Chinaware Co	
Finishing Nails, per 100 lb. keg 1½ to 1½ tuch	85 Adamson. Jos	I II	ROOFERS. Baird Bros	11
and up 3	5) Hibbard, H. & T	II II	Duthie & Sons, G	11 11
	Oaklev & Holmes	ÌÌ	Metallic Roofing Co	j) 11
ii Mag	ELECTRIC LIGHTING. Royal Electric Co	1	Reonie & Son, R	11 11
dry 5 25 5	75 Toronto Electrical Works	xiv	Shales, John HStewart, W. T	11
Whiting, London, washed 0 65 0	OO DERRICK BUILDERS.	ii	Toronto Roofing Co	II II
ulla:	ELEVATORS.		SASH BALANCE.	
" boiled o 66 o	55 Ives & Co., H. R	IV I	Hargreives, John	111
" machinery 95 I	os Engravers.		Adamson, Jos Sewer Pipe Co	1
(1 1/ny 1 275 2	Canadian Photo-Eng Bureau	XVI	McNaily & Co., W	vii vii
Spirits turpentine 0 67 0	Adamson, Jos	.1	Maguire, William	iv
INDEX TO ADVERTISEMENTS	Colman-Hamilton Co	iii #	Terry, Edward	IV :
IN THE CANADIAN ARCHITECT AND BUILD	CR. GALVANIZED IRON WORKS.	••	Sewer Pipe Co	vii
A. allimators	Baird Bros. Douglas & Plunkett]] []	SLIDING BLINDS.	iv
Charle Directory the tree to t	Hedges & Lankin	11 11	Clatworthy, Geo	x
Quebec Directory	GRATES AND TILES, Holbrook & Mollington	xii	STAINED AND DECORATIVE GLASS. Castle & Son	iv
Carnovsky, B. H. Hicks, W. Stivens	II Rice Lewis & Son	îŸ	Dominion Stained Glass Co	iv I
Holbrook & Mollington Turner, Frederic	xii Heating. II Garth & Co	xv	Faircloth Bros	v iv
Mowbray, Thos	II Garth & Co	xiii xii	Longhurst & Co., H Lewis, R	iv v
ADCHITECTURAL IRON WORK.	Ives & Co., H. R	IV xvi	McCausland & Son	v iv
	IV McClary Mfg. Co	xii xii	The Bell Art Stained Glass Works Victoria Stained Glass Co	v
The Dominion Bridge Co	IV Toronto Radiator Mfg Co	χi	STENOGRAPHERS.	•
ART WOODWORK.	IRON FENCES. Ives & Co., H. R	IV	Holland Bros. & Young TERRA COTTA.	vi
	vii Iron Pipe. Ives & Co., H. R	137	The Hynes Terra Cotta & Brick Co Toronto Pressed Brick & Terra Cotta Co.	viii iii
Bellhanger. Richardson, I, T	III LIME AND STONE.		The Ontario Terra Cotta, Brick & Sewer	xi
BENT GLASS MANUFACTURERS. Polito, T	Wright & Sons, C. B	ii	Pipe Co TERRA COITA FIREPROOFING.	χı
BRICKS (PRESSED).	Denton Dods & Denton	111	Rathbun Co	viii viii
Hynes Term Cotta & Brick Co The Don Valley Pressed Brick Works	ix Mantels and Overmantels.		TOWER CLOCKS AND BELLS.	
Toronto Pressed Brick & Terra Cotta Co. The Ontario Terra Cotta, Brick & Sewer	iii Millichamp Mfg. Co	xiv	Gillett & Johnston	j
Pipe Co	B. Greening Wire Co	IV	WALL PAPER AND CEILING DECORATIONS. Elliott & Sop	11
Builders' Supplies. Adamant Mig. Co	Metallic Roofing Co	ii	Faircloth Bros	٧
Adamson, Joseph	iv Cabot, Samuel	xvi	Adamant Mfg. Co. Boynton Wall Plaster Co.	II vi
	wiii Maguire, Wm	iv xvi :::	WALL TIE. Weese & Co., D. A	
Rowe, Gco	ii Toronto Pressed Brick Co	iii	nesc a co., D. A	×