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THIS PAPER REACHES EVERY WEEK THE TOWN AND CITY CLERKS, TOWN AND CITY ENGINEERS, COUNTY CLERKS AND COUNTY ENGINEERS THROUGHOUT CANADA.

Vol. 4.

SEPTEMBER 7, 1893

No. 29

THE CANADIAN CONTRACT RECORD.

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

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

C. H. MORTIMER, Publisher,

CONFEDERATION LIFE BUILDING, TORONTO. Telephone 2362.

64 Temple Building - Montreal.
Bell Telephone 2299.

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

ADVERTISING HATES ON APPLICATION.

At its Convention held in Toronto, Nov. 30 and 21, 1889, the Untario Association of Architects signified its approval of the CANADIAN GONTHACT HECOHD, and pledged its members to use this formal as their medium of communication with contractors with respect to advertisements for Tenders.

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 nove 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 Tenders."

Subscribers who may change their address should give prompt notice of same. In doing so, give both old and new address. Notify the publisher of any irregularity in delivery of paper.



Notice to Contractors

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to 11 oclock a.m. on WEDNESDAY, SEPTEM-BER 20TH, 1893, for the construction of the following works:

PAYEMENTS ON TRACK ALLOWANCES.

Church street, from Queen street to Bloor street, stone setts on concrete.

Bloor street, from Yonge street to Spadina avenue, stone setts on concrete.

Bathurst street, from Queen street to Bloor street, brick on concrete.

Bathurst street, from Bloor street to the C. P. Railway, stone setts on concrete.

Plans and specifications may be seen and forms of tender obtained on and after Wednesday, 13th September, 1893, at the office of the City Engineer.

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. on the value of the work tendered for over that amount, must accompany each and every tender, otherwise it will not be entertained.

All tenders must be a the bong fide signature.

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 converged. lowest or any tender.

DANIEL LAMB, Chairman Committee on Works.

Committee Room, Toronto, Sept. 5th, 1893.



Notice to Contractors

ASHBRIDGE'S BAY IMPROVEMENTS.

Tenders will be received by registered post, addressed to the City Engineer. Toronto, up to 21 o'clock a.m. on MONDAY, THE 11TH SEPTEMBER, 1893, for the construction of

A JETTY

IN CONNECTION WITH THE IMPROVEMENTS IN

ASHBRIDGE'S BAY.

Specifications may be seen and forms of tender obtained on and after Thursday, August 31st, 1893, at the office of the City Engineer.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of at per cent, on the value of the work tendered for, must accompany each and every tender, otherwise it will not be entertained.

The tenders must bear the bona fide signatures of the contractor and his sureties or they will be ruled out as informal.

DANIEL LAMB, Chairman Committee on Works.

Committee Room, Toronto, August 30, 1893.

Notice to Contractors

TENDERS FOR PAVEMENTS.

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to eleven o'clock a.m. on MONDAY, THE 11TH SEPTEMBER, 1893, for the construction of the following works.

ASPHALT PAVEMENT

Linden street, from Sherbourne street to Huntley street.

CEDAR BLOCK PAVEMENT

On Mansfield avenue, from Bellwoods avenue

Specifications may be seen and forms of tender obtained on and after Thursday, September 7th, 1893, at the office of the City Engineer. A deposit in the form of a marked check, payable to the order of the City Treasurer, for the sum of 2½ per cent, of the value of the work tendered for nust accompany each and every tender, otherwise it will not be entertained. The tenders must bear the bona fide signatures of the contractor and his sureties or they will be ruled out as informal.

DANIEL LAMB, Chairman of Committee on Works.

Committee Room, Toronto, Sept. 2, 1893.

Notice to Contractors

CANADIAN CONTRACTORS' HAND-BOOK

A new and thoroughly revised edition of the Ganadian Contractors' Hand-Book, consisting of 150 pages of the most carefully selected material, is now ready, and will be sent post-paid to any address in Canada on receipt of price. This book should be in the hands of every architect, builder and contractor who desires to have readily accessible and property authenticated information. accessible and properly authenticated information on a wide variety of subjects adapted to his

daily requirements.

Price, \$1.50; to subscribers of the CANADIAN
ARCHITECT AND BUILDER, \$1.00. Address

. C. H. MORTIMER, Publisher, Confederation Life Building, TORONTO.

Montreal Office:
_64 Temple Building.

CONTRACTS OPEN.

NORTH BAY, ON 1.—Mr. M. Calvin will erect a new brick residence.

ELMIRA, ONT .- The purchase of a fire engine is under consideration.

MARKHAM, ONT.—The Council is considering the purchase of about 600 feet of water pipe.

PORT WOOD, B. C.—A company has been formed to build a sawmill at the head of Burrard Inlet.

PORTAGE LA PRAIRIE, MAN.—Mr. John Costigan will erect a new brick store opposite the post office.

WOODSTOCK, ONT.—A movement is on foot to erect a large skating and curling rink in the central part of the town.

CARBERRY, MAN.—A by-law to raise the sum of \$6,000 for fire protection will be voted on by the ratepayers on the 26th

GRANDY, QUE.—Mr. James Payton has made arrangements with the Town Council for the construction of a system of waterworks.

PENETANGUISHENE, ONT.-Mr. Geo. Thompson, of Wingham, was in town recently looking for a site on which to erect a furniture factory.

ARNPRIOR, ONT. - Mr. M. Galvin intends to rebuild the large block from the Aacade to Menzie's drug store, destroyed by fire some time ago.

RIMOUSKI, QUE.—A memorial has been forwarded to the Ottawa Government asking for the extension of the Government wharf at this point.

WOLFE ISLAND, ONT.—It is probable that a first class summer hotel will be erected here next summer. An agitation is now on foot to form a company for that purpose.

CHATHAM, ONT - A by-law authorizing the Council to issue debentures to the amount of \$17,000, principally for the construction of drains, was carried by a vote of the ratepayers last week.

STRATFORD, ONT.—David G. Baxter, architect, is calling for tenders until the

14th inst. for alterations and additions to the old Knox church manse, for Mr. J. P. Mabee; estimated cost \$4,000.

COLLINGWOOD, ONT.—Rev. Dr. Stone will receive tenders until Saturday next for the erection of a new school room for Maple street Methodist church, and for alterations to the church edifice.

GALT, ONT.- Tenders are invited by J. H. Radford, Chairman Finance Committee, until Friday, the 13th inst., for the purchase of \$15,000 worth of debentures, issued for the purpose of extending the waterworks system.

PERTH, ONT.—Mr. Keefer, C. E., has completed plans for a system of drainage for this town to cost about \$25,000. A bylaw will be submitted to the ratepayers at once authorizing the Council to borrow the

necessary funds.
VANCOUVER, B. C.-Mr. R. M. Fripp, architect, is preparing plans for a large block for Dr. Powell, which will be built on the corner of Hastings and Hamilton streets. Mr. Fripp has just completed plans for another block for Dr. Powell, to be erected at the corner of Pender and Richard streets, the contract for foundations for which has been let to Mr. E. Cook.

HAMILTON, ONT .- Mr. George Mills is tearing down the old buildings at the corner of King and Walnut streets and will replace them by a two-story brick block.—Mr. J. Powell, architect, is calling for tenders for the erection of four houses at the corner of Young and Ferguson ave. —Tenders are wanted at Mr. Thos. Burrow's auction rooms for alterations to a brick dwelling house on West avenue north, between Wilson and King William

WINNIPEG, MAN.—Messrs. Alloway & Champion intend to make extensive improvements to their banking offices on Main street. Mr. Peters is preparing the plans.—A petition has been presented to the City Council for the construction of a sewer on Seventeenth avenue north; estimated cost, \$16,000. — The Board of Works will shortly advertise for tenders for stone paving on Main street.—The Standard Oil Company are about to commence the erection of commodious warehouse on Logan street, near the C. P. R.

LONDON, ONT .- Mr. Cauld, architect, has completed plans for residences for Messrs. D. J. Batzner, W. Clark and Alex. Fraser.—Messrs. Moore & Henry, architects, invite tenders until 5 p.m. on Tuesday, the 12th inst., for the erection of a brick residence on Kent street for Mr. A. M. Smart.—The City Engineer has issued the following building permits: Thos. Knowles, brick house on Weston street; Thos. Westland, two story brick veneer residence on Craig street, Robert Watson, brick residence on Queen's avenue; T. W. Coles, brick residence on Queen's avenue; R. A. Lyon, for two-story frame house on west side of Talbot street, near Suncoe st.

OTTAWA, ONT .- Mr. H. A. Brouse has purchased the Caldwell property on the

h side of Sparks street, between onnor and Bank streets, and will erect large stores, at a cost of \$10,000.— G. F. Stalker, architect, has prepared ί, Μ is for alterations to the residences lessrs. T. Aheam and A. McLean, and new residences for Dr. Bell and I. elan. He is also preparing plans-for reconstruction of Mr. Wm. Davis' new dence recently destroyed by fire.—It reported that the Dominion Governcontemplates the erection in the near future of a reformatory for young criminals, the site selected being at Alexandria, midway between Montreal and andria, midway between Montreal and Ottawa.—Mr. Ernest Marceau, Acting Superintending Engineer, will receive proposals until Monday next, the 11th inst., posals until Monday next, the 11th inst, for the construction of a sewer pipe drain between the town of Valleyfield, Que, and the municipality of Bellerive.—The Russel Company, which was incorporated a few weeks ago to acquire the Russel! House property, thus decided to erect a large opera house on the vacant land in rear of the hotel and fronting on Canal street. It is expected that work will be commenced to the property. next spring.

TORONTO, ONT.—Mr. Albert D.-Ben-ia in, president of the "Holy Blossom" congregation, and his brother, have sub-sibed \$16,000 towards the erection of the proposed new synagogue.—Plans are bing prepared at the City Engineer's onlice for new stone steps, up the south embankment of the Rose Hill Reservoir. There will be 44 steps, of bush hammered some or granolithic, II feet wide. The parapets and pillars, which will be three feet high, will be of cut stone.—The City Engineer has been requested to prepare plans for a system of docks and wharves pi ins tor a system of docks and wharves on the city-water front, as stipulated by it a Esplanade agreement.—It is proposed to construct a cedar-block roadway on Uster street, from Bathurst street to Markham street, cost \$770, and on Mans-field avenue, from Bellwoods avenue to trace street. Cost \$770.—Masses Parket. Leuc-avenue, from Bellwoods avenue to Grace-street, cost \$700.—Messrs.-Horley Kindru-have purchased the Avondale tiotel on Simcoe street. An addition of rooms is contemplated.—Mr. Malone is cout to erect a pair of houses over the i on.—Building permits have been granted as follows: T. M. Lee, cor. Gerrard and River sts., alterations to building, n. w. corner Gerrard and Sackville sts., cost \$2,000; T. Eaton Co., Ltd., 4 story bk. warehouse, 13 Albert st., cost \$22,000.

MONTREAL, QUE.—The C.-P. R. has a scheme under-consideration to enlarge the Dalhousie Square station by expr priating the fire-station and other buildings on the Square, and erecting new freight sheds on Berri street and a new passenger station on Craig street. Negotiations to the end are now pending with the City Council, and it is reported that most of the aldermen favor the idea.—It is said that a well known contractor has decided to erect a large hotel at the corner of St. Denis and Craig streets, at an estimated cost of half a million dollars.— Mr. L. J. Seargeant, General Manager Grand Trunk Railway, invites tenders until Wednesday, the 13th inst., for the supply of ties required by the company on the line east of Montreal during the coming winter.-A Dubreuil, architect, is preparing plans for two tenement houses to be erected on Green avenue, Cote St. Antoine. P. Lortie & Son, architects, are Antoine.—P. Lortie & Son, architects, are preparing plans for two houses at Stiffent for Mr. L. M. Bedard, residence for Mr. Jos. Payette at same place, and residence for Mr. L. Hubert.—J. H. Bernard, architect, is calling for tenders until to morrow (Friday) for two stores and dwellings, corner St. Lawrence street and Pine avenue, for Mrs. Beauchamp.—J. B. Dashkit & Son are monaging plans for the street of the street of the street and plane are monaging plans for the street and the street are monaging plans for the street are monaging plans for the street are street and the street are street are street are street and the street are stree Reither & Son are preparing plans for stables to be erected in rear of Geo. H. Matthew's proposed new residence on Inspector street.

FIRES.

The large grist mill at Winterbourne, nti, owned by David S. Clemens, was destroyed by fire on Tuesday of last week.
Loss, \$15,000; insurance, \$5,000.—Ford's
farmiture store at Merlin, Ont., was burned

recently; fully insured.—The stables and granary or John Farnhi, at Gladstone, Man., were destroyed by fire on Saturday last. Loss, \$1,000.—F. Vancamp & Co.'s hardware store at Hastings, Ont., was burned to the ground on the 3rd inst. The building was owned by the Peter's estate, and was insured for \$1,500.—The Hewis House at Midland, Ont., owned by David Hewis, was burned to the ground last week. Loss, \$10,000; insurance, \$2,000.—The rake factory and dry sheds of M. S. Buschlin at Port Elgin, Ont., together with the residence of Mrs. Stickney, were totally consumed by fire recently; were totally consumed by fire recently; total-loss on machinery and buildings, \$6,000.—Dr. Moore's-residence at Branao,000.—Dr. moores-residence at Brandon, Man., was destroyed by fire on the 4th inst. Loss, \$2,000.—Young's saw-mill at Wiarton, Ont., containing the electric light plant, was burned on Tuesday last ; insurance, \$1,500.

CONTRACTS AWARDED.

QUEBEC, QUE.—The contract for the construction of the new Beauport asylum aqueduct has been awarded to Mr. Per-reault, of Deschambault.

PETERBORO', ONT.—The contract for the erection of the brick car house for the Street-Railway Company has been awarded to Mr. Richard Sheehy. Mr. T. A. Hay, C.E., will superintend the work.

OTTAWA, ONT.—The contract for renewing the pier at Port Dalhousie has been let by the Department of Railways and Canals, to Mr. John Riley, of St.Catharines.—The contract for supplying steel pipes required in connection with the Sault-Ste Marie Canal, has been awarded to Messrs. Ryan & Haney.

TORONTO, ONT. — Messrs. Grant & Company have been awarded the contract by the Board of Works for paving certain oy the Boatd of Works for paving certain streets with stone setts, at the following prices: Front street, from Simcoe to Church street, \$11,161; Yonge street, from Front to King street, \$2,263; Church st., from Front to Queen streets, \$4,500.— The Waterous Engine Works Co., of Brantford, have been awarded the contract for two Fitzgibbon boilers required by the Ontario Government for the School of Practical Science.

MONTREAL, QUE.—J. B. Resther & Son, architects, have awarded contracts as follows for a three story building on Inspector street-for-Geo. H. Matthews; masonry, Chapleau & Lemay; carpentry, A. Lavallee; brickwork, E. Paquette; other trades not yet let.—A. F. Dunlop, architect has let contracts as follows for a tect, has let contracts as follows for a three story building containing three stores and three dwellings, on Bleury st.; for Alex. Douglas: masonry, Wm. Owen; carpentry, Louis Beaudry; plumbing, McCrae & Watson; painting, O. Cauchon; plastering, Wm. Brimner.

THE EFFECTS OF WELL WATER ON URINALS, WASTE PIPES, AND COPPER LINED CISTERNS.

The water used in the Grand Hotel, Cincinnati, O., for flushing the water closets and urinals is pumped from a well 600 feet deep, and contains a great proportion of magnesia. The action of the water on the soldering of the copper lined cisterns and copper floats, within four months after the plumbing was remodelled was demonstrated by solder being entirely eaten away.

The action of the water on the urinals

waste pipes was also fully demonstrated waste pipes was another the two inch-as within twelve months the two inch-waste pipes were entirely closed up, the urinals being flat back Bedfordshire lipped urinals flushed by automatic flushing

They have been changed to Carlisle Syphon urinals and the large flow of water discharged at intervals from these urinals, appear to have overcome the difficulty, as upon examination, three months after being put in, the waste pipes were found perfectly free from any slime or cor-rosion accumulating on them. There are five urnals in line which discharge all at one time filling the three inch main

waste to its full-capacity and thoroughly scouring the waste pipe out.

Glass balls had to be substituted for the copper balls of deshing cistems and the copper lined tanks lined with lead and Barnett and painted with asphaltum paint.

A NEW METHOD OF EXCAVATING.

The new building for the Manhattan Life Insurance Company, which is to be slateen stories high is to have its foundations built by a method familiar enough in tions built by a method familiar enough in bridge engineering, but rarely used in building, although we think there have been several other cases in which it has been employed. The soil in that part of New York is a find sand, about fifty feet deep, overlaying rock. It would be hazardous to put so heavy a structure on sand, but to excavate the sand in order-to carry piers down on the rock would be carry piers down on the rock would be carry piers down on the rock would be likely to undermine the neighboring buildings, especially as the sand is saturated with water. This difficulty is to be overcome by sinking cassions, or cylinders of steel-plate to the rock, so that the sand can be excavated from the inside of the cylinders without fear of affecting the neighboring soil. In the case of the Manhattan building, however, a modification of the ordinary system is to be introduced, about the merit of which we may be permitted to entertain some doubts. In order to eachly the excavation inside the caisonss to enable the excavation inside the caisonss to be carried on under water, they are made with a tight top like a diving bell, and air is forced into them, so as to keep the exterior sand and water from entering while the workmen dig away the sand from the inside and under the edges. To remove it entirely, pipes are provided, through which it is forced by the atmospheric pressure. As the caissons hold a long volume of air, there might be some difficulty in sinking them to their place; so it is proposed, while the men are excavating is proposed, while the men are excavating inside, to have the masons at work outside, building the stone foundation piers on the flat top of the caisson. The excavation inside the caisson is so regulated that the caisson sinks about as fast as the pier on the top of it is built up, the masons thus working always above the water-line, while the caisson sinks farther and farther below it. When the caisson reaches the below it. When the caisson reaches the rock, the workmen inside level the rock, so as to give it a firm bearing, and then fill it with concrete, which, we are told, is to be "carefully packed," so that the space from the rock to the roof of the caisson may be solidly filled, and the whole is left in place, the building thus standing on cylinders of steel-plate filled with concrete, surmounted by piers of with concrete, surmounted by piers of stone and brick.—American Architect.

John F. Armour, contractor, has com-menced-suit-against-the Toronto Harbor Commissioners to recover the sum of \$2,871, being an account for pile driving.

MUNIGIPAL DEPARTMENT.

THE BRANTFORD SEWERAGE SYSTEM.

The final report of the engineer, Mr. Willis Chipman, C.E., for the sewerage system of Brantford, has just been published. The contract for the construction of the sewers, 61 in number, was awarded on May 28th, 1891, to Mr. Geo. A. Dana, of Brockville, at the price of \$76,112. This price was subsequently modified somewhat on account of permission having been given the contractor to substitute Canadian for Scotch sewer-pipe for the 9 inch sewers. The extent of the system is as follows:

The estimated cost of the system was \$126,300, and the actual cost, \$126,137.90.

LEGAL DECISIONS AFFECTING MUNICIPALITIES.

IN RE OLIVER AND THE CITY OF OTTAWA.—A municipal corporation—has no power, without a by-law assented to by the electors, to enter into contracts—involving—the expenditure not payable out of the ordinary rates of the current financial year, and resolutions for the execution of contracts for the building of a bridge name of the which was to be randament for which was to be randament. IN RE OLIVER AND THE CITY OF bridge, payment for which was to be made partly in the current financial year and partly in the next, were quashed as being a contravention of the Municipal Act.

WATER METERS.

In his last annual report, Supt. George Reyer, of the Nashville, Tenn., Water-Works, speaks as follows on the use of

water meters:
Public statistics, based upon actual experience and observation, establishes the perience and observation, establishes the fact that between 50 and 75 per cent of all the water supplied cities is wasted, and the adoption of the most expedient, thorough and economic method of preventing this waste has been the subject of much thought and discussion by those interested in the judicious management of water-works.

The waste is attributable principally to two sources-willful carelessness in allowing closet and other fixtures to run contining closet and other natures to run communuously, and leakage caused by defective pipes and fixtures. Two remedies have been tried: First, increased surveillance over consumers by vigilant inspectors; secondly, governing the quantity by actual measurement through a meter. The first measurement through a meter. The first has been found inadequate and expensive, while the system of metering has proven the only real solution of the problem, and has evoked universal endorsement whereever adopted.

In previous reports I have urged the metering of all consumers, the larger ones first and the lesser as rapidly as possible. During the past year over 500 meters have been put in, and the result only strengthens my advocacy of their use. From reports of superintendents through out the country it is ascertained that in cities where meters are largely-used the average daily consumption is from 30 to average daily consumption is from 30 to 50 gallons per capita, while in cities which depend upon inspection the average varies from 100 to 200 gallons. In Nashville the daily average for the past-few years has even exceeded these figures, and was gradually increasing. The rate at which the use of a meter diminishes the waste is fully demonstrated by a comparison of the fully demonstrated by a comparison of the quarterly bills for water, the first being invariably double, and sometimes treble, the subsequent ones.

It is a difficult thing to convince people of the amount of water that is actually wasted by leaking pipes, or permitting fixtures to run; but the meter soon forces them to realize the fact and remove the cause. Numerous instances might be quoted from the records showing wherein the meter has discovered appalling wastes, the meter has discovered appaining wastes, but one case will suffice. A private residence, having only the ordinary plumbing for a family, was metered, and in the first 75 days the meter registered 374,002 gallons, or an average of about 125 barrels per day, an amount sufficient to supply the legitimate needs of a dozen families. It is needless to add that the next quarter the amount consumed was very moderate, the leaking fixtures having been promptly repaired. Each meter set is previously tested and guaranteed as correct by the manufacturers; nevertheless when a con-sumer is presented with an unusually large bill the first complaint is that the meter does not register correctly. In order to satisfy such consumers that the water has actually been used or wasted I have con-structed a simple and accurate testing apparatus. In every one tested so far the per cent. of difference between the regisper cent. of uncrence between the regis-tered gallons by meter and the actual weight of the water reduced to gallons has been less than i per cent, and in every instance the variation is in favor of the consumer. MUNICIPAL ENGINEERS, CONTRACTORS, AND MATERIALS.

DEBENTURES WANTED.

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THOROLD, 25th March, 1879.

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I am, sir, your obedient servant,
THOMAS MONRO,
Engineer in charge of Welland
Canal Enlargement.

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should see to it that in the erection of town and city PUBLIC BUILT, INGS, the installation of water works plant, etc., the advantages of . .



are made se of for deadening sound in floors and partitions, insulation of heat and cold, fireproofing etc., also SECTIONAL MINERAL WOOL COVERING for steam pipes, boilers, exposed water pipes, etc.

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Special Captings of every description.

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In use from Vancouver to Sydney, Cape Breton. Correspondence solicited.

Prices of Building Materials.

Prices of	Building	mate	rials.	
	LUMBER.			
CAT	OR CARGO LO	TS.		
	T_0 r α	nto.	Mont	raal
	ŝ	S	S TOTAL	
11/2 to 2 clear picks.	Am ins34 000	2:6 oo		\$ 345∞
to a three uppers	Am ins.	37 00	40 00	45 00
134 to 2, pickings, A	mins	27 00	27 00	30 00
3 inch clear	• • • • • • • • • • • • • • • • • • • •	=	52 50	დ თ
t x 10 and 12 dres			_	
z x 10 and 12 mill ru	20 00	22 00	18 ∞	20 00
I x 10 and 13 quession				1900
z x 10 and 12 commo			800	18 00
z x zo and za spruce	culis10 00	11 ∞		11 00
e x roand 12 maple	culls	900		9∞
inch clear and pick	s 38 oo	30 00	33 ∞	35 ∞
inch dressing and	better18 00	20 00		20 00
inch siding, mill n				16 ∞
z inch siding, commo			12 00	14 00
z inch siding, ship co z inch siding, mill co	ile 8 m	13 00	10 00 00 8	11 00
Cull scantling		900	800	9∞
and thicker cu	tting up	y •••	•••	y
plank	22 00	25 00	22 00	25 00
z inch strips, 4 in. to	8 in. mill	_		-• -
. ini	14 00		14 00	15 ∞
1 inch strips, commo	c11 00	13 00	11 00	13 00
z 1 inch flooring		16 ∞	14 00	15 ∞
x inch flooring XXX shingles, saw		16 ∞	14 00	16 00
16 in	per 1/1	2 E0	50	2 70
XX shingles, sawn	152	1 60	z 60	1 70
	RD QUOTATIO			- ,-
Mill cull boards and				
Shipping cull boar	de. Dro-	10 ∞		10 00
miscuous widths	ω, ριο.	13 00		13 00
Shipping cull board	s, stocks	16 ∞		16 00
Hemlock scantling	and joist			
ap to 16 ft Hemlock scantling		33 00	_	10 00
Hemlock scantling	and joist		-	
up to 18 it		13 00	12 00	13 ∞
up to soft	mid lorst			
Scantling and joist, u	m to 16 ft	14 00 15 00	13 ∞	
	18 ft	1600		14 00
	20 ft	17 00		1000
**	22 ft	1800		17 ∞
	1 24 B	20 00		1900
	n 30 [£	22 ∞		21 00
	1,88 t	23 00		23 OO
	, 30 ft	25 ∞		22 ∞
	32 ft 34 ft	27 ∞ 29 <u>≤</u> 0		27 00
	- 39.0	+9 20		30 20

Toron	to. N	lontre	181.	
Cutting up planks, 114 and	_		_	Black lamp
thicker, gre	26 00	25 00	26 00	lilue, ultramarine
Cutting up planks, 11/4 and thicker, count	22 37	18 ∞	22 00	Oil, linseed, raw, A Imp. 4 boiled
Cedar for block paving, per cord	5 00		5 ∞	Putty
per M	14 00		14 00	Whiting, dry, per 100 lbs. Paris white, Eng., dry
1 1/2 in flooring, dressed, F M. 28 00		28 cc		Litharge, Am
1 % Inch flooring, rough, B M. 18 00	22 00	18 00	22 00	Sienna, burnt Umber,
1 1/4 inch flooring, rough, B M.18 00 1 1/4 " dressed, F M.27 00 1 1/4 " undressed, B M.18 00	30 00	27 00 18 00	30 00 10 00	Cement, Portland, per bb
134 " dressed18 00	22 O	18 00 12 00	22 03	u English u
Beaded sheeting, dressed22 00 Clapboarding, dressed	35 00	33 00	35 ∞	" Thorold, "
XXX sawn shingles, per M	18 00		13 00	" Queenston, " " Napanee, "
18 in 2 65 Sawnlath 2 50	9 75 9 6)	2 50	3 co 2 60	n Hull, n
Cedar			2 90	ii London
Red oak	45 00	30 00 35 00	40 00 45 00	" Newcastle "Belgian "
		18 ∞ 70 ∞	20 00	u Caradian "
Cherry, No. 1 and 2	25 OC	30 00	35 ∞	Parian "
Dressing stocks	30 00	18 00		" Superfine " Keene's Coarse " Whites"
Dressing stocks 16 00 Picks, American inspection. Three uppers, Am. inspection	40 00 50 00		40 00 50 00	Calcined plaster, per barre Fire Bricks, Newcastle, per Scotch
BRICK-V N			3000	Scotch "
Common Walling	7 50		6 00 8 50	Lime, Per Barrel, Grey White
Sewer 8 50	9 (0	8 50	900	Plaster, Calcined, N. B N. S
Pressed Brick, Per M:				Hair, Plasterers', per bag
Plain brick, f. o. b. at Milton and quality	16 · A 14 OU			Cot pails and 8 feet past
** *** 9711 **	8 00			Cut nails, 50d & 60d, per k Steel 11 11 11 11
Hard Building Moulded and Ornamental, per	4 50			CUT NAILS, FENC.
Roof Tiles 3 co	10 00 24 00			30d, 11 " "
Diamond locking tile	16 00			20d, 16d and 12d, hot cut, p
First quality, f.o.b. at Camp-	.0			and has me and the
beliville. and quality, f.o.b.	18 00		25 00 20 00	6d. 7d, " "
Ornamental, per 100 3 00	00 01	2 m	17 00 10 00	
Tiles	24 00	,	26 ∞	ad, " " " " 4d to 5d cold cut, not polish
Plain brick, "A" fo b, Don Valley	18 00		25 CO	or blued, per 100 lbs
Plain brick, "A" fob, Don Valley	16 00 15 ∞		18 00 33 00	
Trojan or Buff 3 00	24 00	•	30 00 60 00	INDE
Plain brick, Co.b. Port Credit	18 00	3~~	ww	1112
" " 2nd quality " " 3rd	13 00			·
TIME DANGED TO THE TANK THE TANK	8 ∞			Architects.
Ornamental, per 100 3 00 SAND.	10 0			Ontario DirectoryIII
Per Load of 114 Cubic Yards	1 25		1 25	Quebec Directory vi
STONE. Common Rubble, per toise,				Architectural Sculp- tors and Carvers.
Large flat Rubble, per toise.	14 00		14 00	
delivered	18 00		18 00	Carnovsky, B. H IV Hicks, W. StivensIII Holbrook & Molling-
Kent Freestone Quarries	50		50	toni Wagner, Zeidler & Co. xii
Moncton, N. B., per cu	1 00			Architectural Iron-
ft., f.o.b				Fork.
Freestone, per cu. ft., f.o.b. Ballochmyle	95 90	65	75	Bostwick, Geo. F xv
New York Blue Stone Granite (Stanstead) Ashlar, 6		•	1 05	B. Greening Wire Co. III Dennis R II Dominion Bridge Co. I Ives & Co., H. R. xii
in, to ta in., rise our , per fr.			25	Ives & Co., H. R xii
Moat Freestone		70 75	80 80	Lea, Josephxvi Meadows, Geo.BII Whitfield, JohnII
toise, delivered 13 00	14 00 .			Whitfield, John II
Credit Valley Brown Cours-				Architects' Supplies
Credit Valley Brown Dimen-	300		3 00	Hearn & Harrison vi
Credit Valley Grey Coursing,	yo		90	Art Woodwork.
credit Valley Grey Coursing, per superficial yard 1 50 Credit Valley Grey Dimen.	2∞		3 12	
ston, per cubic foot Credit Valley Grey Coursing, per superficial yard 1 50 Credit Valley Grey Dimension, per cubic foot	2 00 75			Camovsky, B. H IV Knechtel, Sxvi Ransom & Co., C. Sxvi
Credit Valley Rubble, per toise, delivered	2 00 75 14 50	14 ∞	2 15 80	Camovsky, B. H IV Knechtel, Sxvi Ransom & Co., C. Sxvi Wagner, Zeidler & Co., xii
sion, per cubic foot Credit Valley Grey Coursing, per superficial yard	200 75 1450	14 ∞	2 15 80	Camovsky, B. H IV Knechtel, Sxvi Rantom & Co., C. Sxvi Wagner, Zeidler & Co xii Bricks (Prossed). Beamsville Pressed
Madoc dimension florting, f. o. b, Toronto, per cubic ft. Ohio Freestone, No. 1 Blue	200 75 1450 32	14 ∞	2 15 80	Camovsky, B. H IV Knechtel, Sxvi Rantom & Co., C. Sxvi Wagner, Zeidler & Co xii Bricks (Prossed). Beamsville Pressed
Madoc dimension florting, f. o. b, Toronto, per cubic ft. Ohio Freestone, No. 1 Blue	32 60 65	14 ∞	2 15 80	Camovsky, B. H IV Knechtel, Sxvi Rantom & Co., C. Sxvi Wagner, Zeidler & Co xii Bricks (Prossed). Beamsville Pressed
Madoc dimension florting, f. o. b. Toronto, per cubic ft. Ohio Freestone, No. 1 Blue Promiscuous, f.o.b. No. 1 Blue Dimension. No. 1 Buff Dimension.	32 60 65 80	14 ∞	2 15 80	Camovsky, B. H
Madoc dimension florting, f. o. b. Toronto, per cubic ft. Ohio Freestone, No. 1 Blue Promiscuous, f.o.b No. 1 Blue Dimension No. 1 Buff Dimension The above prices means	32 60 65	14 ∞	2 15 80	Camovsky, B. H
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Black lamp 15 24 12 25	
Blue, ultramarine (5 2' '2 10	or blued, per 140 lbs , 90 90
Oil, linseed, raw, & Imp. 4.1. 66 68 63 63	minted at some access
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Putty 3½ 2½ 3½ 3½	
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Paris white, Eng., dry 90 7 25 9 7 16 Litharge, Am 61/2 8 61/2 8	
Sienna, burnt 15 20 12 15	
Umber, " 81/ 12 12 1	8d and od, " " 75 75
OEMENT, LINE, etc.	οο οο οο οο οο οο οο οο
	4d to 5d, "" 1 10 1 10
	3d, " " 150 150
# English # 275	PINISHING NAILS.
" Thorold, " is	3 inch, per 100lbs 85 85
" Queenston, " 221	3 16 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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ո Hull, ու ւչն	1½ to 1¼ " " 35 1 35
11 Germar. " 265 285	136 " " " 176 176
11 London 245 290	
11 Newcastle " 2 75 2 50	SLATING NAILS.
11 Belgian " . 23 240	
11 Co adjan 225 230	4d, " " 85 85
ii Koman 175	30, 44 44 / 125 1
2 armi 4 to 475	20,
W Superina 050 700	COMMON BARREC RAILS
	78
Fire Bricks, Newcastle, per M 20 c 0 24 oc 25 co	
Lime, Per Barrel, Grey 40	CLINCH NAILS.
_ " White 55	3 inch, per 10 lbs. 85 85
Plaster, Calcined, N. B 2 60	2½ and 2½ "" " 100 100
" " N. S 200	2 and 2 11 11 11 11 11 11 11 11 11 11 11 11 1
Hair, Plasterers', per bag 80 z 00	122 400 142
HARDWARE.	1%
Cut nails, 50d & 60d, per kez 240 225	1 " 250 250
Steel 11 11 11 250 235	SHARP AND PLAT PRESSED NAILS.
CUT NAILS, PENCE AND CUT SPIKES.	7 Inch. per 100 lbs. 134 134
40d, hot cut, per 10 lbs 5	2% and 3% " 150 150
30d, 11 11 11 10 10	2 4 10 2 10 10 10 10 10 10 10 10 10 10 10 10 10
zod, 16d and 12d, hot cut, per	172 870 174
100 lbs 15 15	171 250 250
tod, ho; cut, per too lbs 20 20	
00,90, 11 17 25 25	
00, 70,	
2d, " " " 100 100	
4d to 5d cold cut, not polished	" plates, " 255 235
or blued, per 100 lbs 50 50	Sheared steel bridge plate 225 235
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