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Canadian Contract Record

A Weekly Journal of Advance Information and Public Works.

Its Purpose: To supply to Contractors advance information respecting contracts open to tender, and to Architects, Engineers, Municipal and other Corporations, a direct medium of communication with Contractors.

Its merit. Economical and effective service.

Vol: 7.

Toronto and Montreal, Canada, August 30, 1890.

No. 29

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CONTRACTS OPEN.

LACHUTE, QUE.—The erection of a post office building is being agitated here.

PEMBROKE, ONT,—A site has been secured by Holy Trinity Church for a new building.

Belleville. Ont.—The council of the Board of Trade passed a resolution favoring the erection of a large hotel.

NEW WESTMINSTER, B. C.—The Board of Works will ask for tenders for the new public library building on Columbia street.

VICTORIA, B. C.—Hon. Mr. Dewdney was recently asked to use his influence to secure a Government grant for the improvement of Victoria harbor.

West Toronto Junction.—Tenders will be received by A. B. Pipher, 17% Dundas Street, up to Wednesday, Sept. 3, for the erection of a brick dwelling house.

LETHBRIDGE, N. W. T.—Application is being made for a charter for a company which is being "rimed to supply the town with waterworks and an electric light system.

LONDON, ONT.—The time for receiving tenders for fire station for Ward No. 6 and for alterations to Central fire station has been extended to Monday, September 1st. 3 p.m.

OTTAWA, ONT.—It is the intention of the Marine Department to build three range lights on the piers in Presqu' Isle Bay, which will accurately show the dredged cuts, and lead out into Lake Ontario.

Woodstock, Ont.—The ratepayers will vote on two by-laws on Sept. ist for the purpose of bringing into the town an abundant supply of pure spring water and extending the present mains. The amount proposed to be expended on the entire scheme is \$105,000.

QUEBEC.—The Fortress Hotel company are calling for designs for the construction of the new hotel; which is to contain 200 bedrooms and is not to cost more than \$175.000, including heating apparatus and water pipes. The designs are to be in by the 15th of September.

BARRIE, ONT.—Tenders will be received up to Sept. 5 for the construction of a storm sewer on Clipperton St. and for the filling in and grading of the street. Also for improving Sophia street creek, grading Sophia street and constructing about 981 lineal feet of timber culverts. Plans, etc., can be seen at the office of the town clerk, Henry Bird.

KINGSTON, ONT.—It is proposed to expend \$2,000 in decorating the archiepiscopal palace.—At a meeting of the trustees of the Thousand Island park association it was decided to offer the hotel site for renewal for a period to include the next twenty years. A store and other association buildings will be erected immediately.—Mr. Barker, of Clayton, is in favor of a brickinotel being built at iThousand Island park on the site of the building recently burned. The construction of the hotel will be commenced this fall.

HAMILTON, ONT.—A movement is on foot having for its object the erection of a Home for Incumbles.—The following building permits have been granted. David Morton, owner, two-storey bk house on Ontario Ave., between Main and Stinson Sts., cost \$3,800. David Mitchell, owner, two-storey bk, house on Duke St., between Bay and Caroline, cost \$1,500.—It has been decided to sell that portion of the Crystal Palace grounds bounded by Sophia, Florence, Head and Dundum streets for \$19,500, and with the money purchase a desirable site in the east and erect thereon suitable fair buildings, etc.

WINDSOR, ONT.— Mayor White is authority for the statement that a waggon and passenger tunnel will be built under the Black river at Port Huron, and from a point in Port Huron to be determined upon, to the Canadian shore at Sarna. The principal stockholders will be Mayor Kenney and W. H. Anderson, of Port Huron, and Mayor White. The undertaking is expected to commence next spring. Architect McLean is preparing plans for a brick building for the Windsor Electric Works, also for a two-storey brick residence and wareroom for Fritz Bros. to be built on Chatham St., at a cost of \$3,000.—The Town Council has voted to build \$31,000 worth of sewers in the eastern part of the town.—A by-law apportioning \$20,000 for the purchase of one half of Ouellette Square on which to build a new town hall was adopted by the Town Council on Monday night, and ordered submitted to the people at a special election on September 18th.

MONTREAL, QUE .- New sewers will be constructed on Sherbrooke street, between Wolfe street and Papineau road, on Prefontaine street to Logan street and on Cuviller street to St. Catherine st. The Roads Committee will ask the council for an appropriation of \$6,125 to continue the wooden pavement on St. Catherine st. from Andre to St. Aubert st. The archdiocese of Montreal is to be sub-divided and new sees erected at Jerome and Joliette.

—Tenders endorsed "tenders for lead "will be received at the office of the City Clerk until noon on the 2nd of September next, for 75 tons (2,240 lbs. to the ton) of best soft "Pig Lead," of approved brand, to be delivered at the water works yards, St. Charles Borommee street, free of charge, half of the quantity by the 16th September next, and the remainder by the 1st of October next, also tenders endorsed "tenders for pipe" for 2,000 tons of cast iron water pipes, to be supplied to the city of Montreal in quantities and at dates stated in specification. Said specification as well as form of tender may be had at the water works office. City Hall, and tenders for about 160 tons of special castings, to be delivered in quantities and at date stated in specification, and for seventy-five, five nozzle fire hydrants, complete, to be made from patterns to be furnished by the department and which may be seen at the waterworks shop, St. Charles Borromee street, where a sample hydrant may also be seen. Material and workmanship to be of first quality. Delivery, free of charge at waterworks yard St Charles Borromee street as follows 6 hydrants in two weeks from the time the contract is awarded and 6 per week afterwards, until the contract is completed. Hydrants to stand a pressure of 200 lbs. to the square inch -The following building permits have been granted: F. X. Mayotte, one 3-storey brick and stone dwelling. Hutchison street, cost \$5,000, A. Levesque, architect; E. Deserres, three, 3-storey brick dwellings. Delormier avenue, near St. Catherine street, \$2,400 each; St. Louis Parish, basement of a church (Roman Catholic) to be used as a chapel, cor. Roy and Laval street, cost \$30,000, Roy & Gauthier, architecs, estate J. S. Rison, a shop (stone), Notre Dame street, cost \$8,000, A. Levesque, architect, H. Knight, six 2-storey stone dwellings, Pine st. opposite Park avenue, cost \$18,000, Eric Mann. architect.—The expropriation of a large portion of the Hochelaga yard of the street railway company for the extension of St. Catherine street, and the consequent destruction of the present stable, which holds to horses, will necessitate a considerable number of alterations. The large new car house erected last year will be turned into stables capable of containing 250 horses, and tenders are now being cailed for the erection of a new car stable on the north side of St. Catharine street capable of containing from 90 to 100 cars. The omnibus storage house is also to be doubled.

TORONTO, ONT.—The City Engineer recommends construction of the following works. Cedar block pavements on Spencer avenue, from Huxley st. to Mississaugua ave., Nanton crescent, commencing at a point in line with south side of Elm ave, and extending northerly to northern terminus of Gordon ave., thence easierly along Nanton crescent to a point too feet east of Gordon ave., produced, and on Massey st. from King to Queen st; Eureka sidewalks on the north side of Wood street from Yonge 130 feet

easterly.; south, side of Queen street from Spadingave, to Esther st.; north side of Queen st. from Esther to Denison ave.; south side of Queen street from Esther to, Bathurst street; Excelsion pavement on the north-side of College street from Spading to Robert-street, and the widening of the block pavement on the north side of College street, from Spadina to Robert; granolithic sidewalk on Spadina ave. from Nassau st. to Clyde st., and the widening of the pavement between those points; scoria and cedar block pavement and stone and wooden sidewalks in the King-street subway. Sewers on Muir street, between first lane west of Dufferin street to line between lots 29 and 30; Steiner street, Matilda street to Don river; Garnett avenue, Christie street to western terminus; Lappin, avenue, Dufferin st. to Northern division of G. T. R. tracks, Herrick st., Borden st. to Lippincott street; Elm street, Elizabeth st. to Chesnut st.; Lisgar st., Queen st. to Blair st., Blair street, Lisgar st, to Armour st.; Armour street, Blair st. (storm overflow from Queen st.) to King st.; Severn street, Severn's brewery to Rosedale drive; North drive, Rosedale road to Yonge street; Bellevue square, present terminus to a point 50 feet west; a lane between St. Patrick. and D'Arcy streets; Sherbourne street, between South drive and Rachael street; a line of mil for renting purposes on the city's property at the Don, at an estimated cost of \$20,000.-New water mains are recommended by the Local Board of Health on sanitary grounds, as follows . Huron street extension to Dupont street, May avenue extension, Brunswick ave. to Wells street, Pears street, 4th main, Millstone lane extension, Sully crescent to Sully street.—The Water Works Committee will recommend that instead of accepting the tender for the new 10,000,000 gallon engine now in, that a by-law be submitted to the people asking for \$200,000 for waterworks purposes. This sum, if voted, is to be applied in the building of a new pumping house west of the present station, the purchase of two 10,000,000 gallon engines and the making of connections. The Industrial School Association has decided to postpone for the present the purchase of a site for the proposed Industrial school for girls.-It is reported that the preliminary plans have been prepared for a mammoth hotel on King st. The names of Geo. A. Cox, S. H. Janes and Robt. Jaffray are mentioned in connection with the project. The location which is said to have been selected would seem to discredit the rumour,-It is said to be the intention of the Dominion Transport Co. to creet a large stable and waggon sheds on Wellington place.—The following building permits have been granted. Trustees Church of the Redeemer, school house and rectory, n. e. corner Bloor street and Avenue road, cost \$16,000: The Commercial Travellers Association, alterations 51 Yonge street, cost \$7,000; Brown Bros., additional fourth storey to store, cost \$7,000; Wm. McBean, three 3-storey bk. stores, east side Spadina ave., cost \$12,000; John Sim, 2 storey brick addition, west side Dalhousie street, cost \$500.; John Thompson, pair 2-storey and attic bk. fronted dwellings, east side Berkeley street, cost \$2,500.—The Government has granted the urgent request of the city to provide better protection for the Island, and instructions have been given for the erection of two groynes.-Tenders will be received by J. A. Fowler, 13 Victoria Street, up to Sept. 5, for the erection of three brick houses on Victor ave. -At the meeting of the sub-committee of the Markets and License Committee called to consider plans for the better heating of the gaol, Governor Green submitted a set of plans which were approved of and it was decided that they be sent on to the general committee with the recommendation that tenders be invited for the work.

CONTRACTS AWARDED.

FOREST, ONT .- The contract for the erection of the new Presbyterian church has been given to Isaac Mercier for \$7,600.

THE SONBURG, ONT .- The contract to supply the cut stone trimmings for the new Methodist parsonage has been given to Mr. J. T. Heard, of Lon-

WATERLOO, ONT .- The contract for building the new hotel on the site of the present Bowman House, has been awarded to Mr. John Letter. The contract price is \$6,298.

. KINGSTON, ONT.—The tenders for the erection of Dr. Clement's houses were awarded as follows: Masonry, G. Newlands; carpentering, A. Williamson; painting, Mr. Savage

SARNIA, ONT .- Mr. J. C. McKenzie, of this place, has been given the contract for the erection of a new bridge over the Sydenham river at Aberfeldy, his tender being \$1,887.

BRANTFORD, ONT.-Messrs. Mihan, Elliot & Phin of this city, have been awarded the contract for excavating the approaches to the St. Clair tunnel at Sarnia and Port Huron. The contract amounts to about \$2000,000.

TORONTO, ONT .- The city has awarded the following contracts: Cedar block pavements-Howland avenue, Burns & McCormack, \$4,670; Lowther avenue, A. W. Godson, \$3,670; Dovercourt road, D. L. Van Vlack, \$16,450; Crocker avenue, A. J. Brown, \$950; Dupont street. A. J. Brown, \$2,500; Dufferin street, D. L. Van Vlack, \$16,855; Palmerston avenue, W. H. Cathro, \$73,838; Sydenham lane, W. H. Cathro, \$769; and Brunswick, place, Burns & McCormack, \$1,482. Granolithic sidewalk—Spadina ayenue, 20 feet wide, R. Forsyth, \$7,95, per lineal foot. Eureka sidewalk—Yonge street, east side, Gardiner & Co., \$4 per lineal foot. Excelsior sidewalk—College street, 16 feet wide, Excelsior Pavement Company, 57 per lineal foot. pany, 57 per lineal foot. Stone kerbing-King street subway, Owen Sound Stone Quarrying and Construction Company. 671/2 cents per lineal foot for 6 inches straight and 90 cents for circular.

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.

Montreal.

Temple Building, Bell Telephone 2299.

Information from any part of the Dominion regarding contracts open to tender will be gratefully received.

ADVERTISING RATES ON APPLICATION.

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

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

ADHESIVE STRENGTH OF SULPHUR, LEAD AND PORT-LAND CEMENT FOR ANCHORING BOLTS.

During a recent experience of the writer in constructing foundations for an elevated railway, solid rock was encountered so near the surface as to necessitate anchoring the foundation bolts in it. Some more durable and economic means of accomplishing this than by the use of sulphur or lead was desired, and Portland cement was suggested as being suitable.

A careful investigation failed to find any record showing the adhesive strength of cement in pounds per square inch, when used this way, hence it was decided to make such experimental tests as would give reasonably positive information on this point. For this purpose 14 holes were drilled in a ledge of solid limestone, 7 of them being 13/2 inches in diameter and 7 of them 15/2 inches in diameter, all being 31/4, feet deep. Seven 3/2-inch and seven 1-inch bolts were prepared, with thread and nut on one end and plain at the other end, but ragged for a length of 31/2 feet from the blank end.

Four were anchored with sulphur, 4 with lead and 6 with cement mixed neat. Half of each were 4-inch and half 1-inchbolts, and all of them were allowed to stand till the cement was two weeks old. At the expiration of this time a lever of sufficient power was rigged and all the bolts were pulled with the following results:

Sulphur: 3 bolts out of 4 developed their full strength, 16,000 and 31,000 pounds. One 1-inch bolt failed by drawing out under 12,000 pounds.

.Lead: 3 bolts out of 4 developed their full strength, as above; one 1-inch bolt pulled out under 13,000 pounds.

Cement: 5 of the bolts out of 6 broke without pulling out; one 1-inch bolt began to yield in the cement at 26,000 pounds, but sustained the yield a few seconds before it broke.

Whilst this experiment demonstrated the superiority of cement both as to strength and ease of application, yet it did not give the strength per square inch of area. To determine this, 4 specimens of limestone were prepared, each to inches wide, 18 inches long and 12 inches thick, 2 of them having 13/-inch holes, and,2 of them 234 inch holes drilled in them. Into the small holes t-inch bolts were comented, one of them being perfectly plain round iron, and the other naving a thread cut on the portion which was imbedded in the cement. Into the 23f-inchholes were cemented 2-inch bolts similarly treated, and the 4

specimens were allowed to stand 13 days before completing the experiment. At the end of this time they were put into a standard testing machine and pulled. The plain 1-inch bolt began to yield at 20,000 pounds, and the threaded one at 12,000 pounds. The 2-inch plain bolt began to yield at 34,000 pounds, and the threaded one at 32,000 pounds, the strain in all cases being very slowly applied. The pump was then run at a greater speed, and the stones holding the 2-inch bolts split at 67 pounds in the case of the smooth one, and at 50,000 pounds in the case of the threaded one.

It is thus seen that cement is more reliable, stronger and easier of application than either lead or sulphur, and that its resistance is from 400 to 500 pounds per square inch of surface exposed. It is also a well-ascertained fact that it preserves iron rather than corrodes it. The cement used throughout the experiment was an English Portland cement. -" A. A. S.," in The Polytechnic (Troy).

LEGAL DECISIONS.

A judgment of great interest to contractors, says the Montreal Gazette, was delivered yesterday by Mr. Justice Wurtele in the case of the Baie des Chaleurs railway vs. Messrs. Riddell and Watson in their capacity as curators to the insolvent estate of Mr. Henry Macfarline, of Toronto. The injunctions restrains them from removing any material from the company's road pending the issue of the action taken by the company to cancel its contract with Macfarline for the construction of the road, the petition also asking that respondents be ordered to put back a number of rails already removed. The court also granted the demand, as far as the future was concerned, and ordered the respondents not to remove anything belonging to the company; but certain material declared to belong to the Dominion Bridge Company and mentioned in a previous judgment might be allowed to be removed by the latter company and the present judgment would also not affect the rails already removed. The Baic des Chaleurs company must also furnish \$1,000 security within 20 days, otherwise the writ of prohibition becomes null and void.

TENDERS

Will be received up to September. 8th, for the crection and completion of a

Cottage on Well's Hill.

EDWARDS & WEBSTER, Architects, 18 Victoria Street, Toronto.

TO BUILDERS.

Tenders will be received up to noon of SATUR-DAY, SEPTEMBER 6TH, for the erection of a

Brick School in Little York.

The lowest or any tender not necessarily accepted.

MANCEL WILLMOT, Architect, 3. Temperance Street, Toronto.

CITY PUBLIC SCHOOLS

To Builders and Contractors.

TENDERS

Whole or separate, are requested for the several trades required in the erection of a

New School Building on Church Street.

Plans and specifications may be seen on and after Monday, August 25th, and all information obtained at the office of C. H. Bishop, Superintendent of School Buildings.

Tenders on forms supplied by the Superintendent of Buildings to be delivered at the office of the Secretary Treasurer of the Public School Board on or before

Thursday Noon, Sept. 4th. 1890.

Each tender must be accompanied by an accepted bank cheque for five per cent. of the amount of tender, as per regulations of the Board. The lowest or any tender will not necessarily be ac-

JAMES KERR, Chairman of Committee.

W. C. WILKINSON, Sec.-Treas. T. P. S. B.



NOTICE TO CONTRACTORS.

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to noon on Tuesday, the 9th day of September, for the following works:

SEWERS—Syminton ave, Earnest street to C. P. Ry.; Battye street, Broadview ave. to Bowden street; Roy ce street, Perth street to Symington ave; Mowat ave., King street to south terminus; Curzon street, Queen street to Sproatt ave.; Howard Park ave., Dundas street to Roncesvalles ave.; Christie street, present terminus of sewer to north city limit; Radcline ave., Eastern avenue to Queen street; Davenport road, Yonge street to Harleton ave.

PAVEMENTS—Turzel ave. to Pape ave; College street, north side, Majar street to Borden street.

STONE FLAGGING—Yonge street, west side, Queen street to College Street.

Plans can be seen and forms of tender obtainen at the City Engineer's office, on and after the 2nd day of September.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 5 per cent. on the value of the work tendered for under \$1,000, and 2½ per cent. over that amount, must accompany each and every tender, otherwise it will not be entertained. All tenders must bear the bona fide signatures of the contractor and his sureties (see specifications) or they will be ruled out as informal.

The Committee do not bind themselves to accept the lowest or any tender.

NOTICE TO PROPERTY OWNERS.

NOTICE TO PROPERTY OWNERS.

NOTICE TO PROPERTY OWNERS.

Property owners on the above named streets are hereby notified by order of the City Engineer, that unless private drain connections, water and gusservices, where required, are made before the construction of the pavements, a charge of \$2.50 per square yard of surface to be broken will be made if permission is asked to lay them afterward.

IOHN SHAW.

JOHN SHAW, Chairman Committee on Works.

Committee Rooms, August 25th, 1890.

Prices of Building Materials. LUMBER.

CAR OR CARGO LOTF.

114 and thicker clear picks, Am. ins	\$30	00	@32	00
13/2 and thicker, three uppers, Am ins.			37	00
1 3/2 and thicker, pickings, Am ins			27	00
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Eastlake galvanized steel shingles, 24		•		-
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W. G., per square			5	50

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Round pointed, unpainted, Terne tin shingles. Manitoba galvanized, steel siding, per	4 00
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Mill cull boards and scantling Shipping cull boards, promiscuous	10 00
widths	13 00 14 00
Shipping cull boards, stocks	12 00 13 00
Scantling and joist, up to 16 ft	14 00 14 00 15 00
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Cedar for block paving, per cord Cedar for Kerbing, 4 x 14, per M	14 00
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White ash, No. 1 and 2	25 OC
Picks, American inspection	22 00 40 00
BRICK—> M	50 ∞
Common Walling	\$7 50 9 00
Sewer 8 50 Pressed Brick:	900
Plain brick, f. o. b. at Milton, per M and quality, per M ard Paiding	\$17 00 13 00
Hard Building . Moulded and Ornamental, per 100 \$3 to	8 00
First quality, f.o.b. at Campbellville, per M	15 00
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Hard Building. Ornamental, per 100	0 10 00 24 00
Stone. Common Rubble, Per Toise, delivered	14 00
Large flat " " Cubic Foot	18 00 35
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Terra Cotta Tile, per sq Ornamental Black Slate Roofing	7 50 25 00
Sand :	8 00
Per Load of 11/2 Cubic Yards	1 25
White lead, Can	6 50 7 50
Venetian T Co	1 75
vermillion	1 00 12
Yellow chrome	· 20
Simulation bearing the second	40 25
Oil, linseed, raw (& Imp. gallon). 63	25 70 75
Poster. 78	75 80 2½
Whiting, dry	1 00 1 25 8
Sienna, burnt 15 Umber, 4 8½	20 12
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Hair, Plasterers', per bag Cement, Portland, per bbl	1 00 1 00 3 00
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HARDWARE.	Builders Supplies.	MANTELS AND OVERMANTEIS.
American Pattern, 13/ inch, per keg 4 15	Adamson, Joseph	Earl & Co., Edward
American Pattern, 1¼ inch, per keg 4 15 " 1½ to 1½ inch, per keg 3, 65 Canadian Pattern, 1½ inch, per keg 3, 65 " 1½ to 1½ inch, per keg 3, 15 " 1½ to 2½ inch, " 3, 15 " 2½ to 2½ inch, " 3, 15 " 2½ to 2½ inch, " 3, 25	Maguire, William iv McNally & Co. iii	Scott & Son, Wm
" " 2 to 24 inch, per keg 3 15	Rathbun Co vi Building Stone Dralers.	B. Greening Wire Co
" 3½ to 3½ inch, " 2 90 " 3 inch and larger 2 65 Steel nails 100. per keg extra.	Britnell & Co	MINERAL WOOL. Gast & Atchison
Steel nails 100, per keg extra. Finishing nails, 1 inch, per keg	Bristow Bros	Savage, R. D
" " 124 " " 4 50	Lyall, Peter., x	ORNAMENTAL PLASTERERS. Baker, J. D.
4 25 4 and larger 4 00	Savage, R. D viii	Hynes Terra Cotta & Brick Co
	The Adjuda Quarry Co II Vokes Malcolm Stone Co II	Whetter, Henry R
MONTREAL PRICES. Lumber, Etc.	BUILDERS' HARDWARE,	PAINTERS.
Ash, 1 to 4 in, M	Aikenhead & Crombie v Byam Mfg. Co	Dill & O'Hearn I Dunham, Frank T. I
Basswood	Rice Lewis & Son IV CEMENTS.	Gilmor & Casey
Walnut, per M	Adamant Mfg. Co vi	Polito, T
Cedar, flat	McNally & Co., Wmix Maguire, Williamiv	Taylor, W. J
Cherry, per M	McRae & Coiv Rathbun Covi	Cottingham, Walter H 1
Maple, hard, M	Savage, R. D viii	Muirhead, Andrew
Pine, select, M	Wright & Sons, C. B iii	Excelsior Pavement Co
Pine, and quality, M	CHIMNEY TOPPING. Hansen, Harald M 95	Forsyth, Robert
Mill Culls	CHURCH AND SCHOOL FURNITURE, Bennet Furnishing Co	Durous Cement Concrete Pavement Co The Colman-Hamilton Co
Spruce, 1 to 2 inch, M	Canadian Office & School Furniture Co ix	PLASTERERS.
Spruce Culls	Pennington & Baker x CONTRACTORS AND BUILDERS.	Dayton, William H
Cement, etc.	Andrews, Francis	Hynes, W. J
Portland Cement, per harrel	Davis, H II	Magill, E. T. Watson Bros
Fire Bricks, per M	Davie, George	PLATI: GLASS. Lyon, N. T
Hot-cut Am. or Can. pattern, 3 inch	Hood & Co., H	McCausland & Son
and above	Halls, Wm., II	Toronto Plate Glass Importing Co PLUMBERS.
and above	Hancock, Thomas II Hannah Bros II	Bennett & Wright
2 inch	Humphrey, T. R II	Plumbing Supplies. Booth & Son
134 inch " 4 25 5 80 Can. Pattern. cold-cut, 134 and 134 inch 3 25 4 45	Lyall, Peter x Marshall, John II Mortimore, Geo. T 11	Higman, O
Finishing Nails, per 100 lb. keg, 11/2	Mortimore, Geo. T	Mitchell & Co., Robert 1
Finishing Nails, per 100 lb. keg 11/2 75 cents	Pudifin, Win II	ROOFING MATERIALS. Can. Galvanizing & Steel Roofing Co
and 1½ inch	Stevens, Chas. H II	Merchant & Co
and up	Thomas & Howell	Metallic Roofing Communication Roofers.
White Lead, pure, 25 to 200 lb. kegs. 6 50 7 00	CUT STONE CONTRACTORS. Bristow Bros	Baird Bros
" No.1 5 25 5 50	Hibbard, H. & T III	Forbes, Duncan
" No. 3	Isaae Brothers III Johnson & Son. Wm II	Hutson, W. D
Venetian Red, English	Oakley & Holmes III ELECTRIC BELLS.	Ormsby, A. B
Yellow Ochre, French	Canadian Electric Mfg. Co vii	Saulter, Wm
Olls:	ELECTRIC LIGHTING. Anderson & Co., A. T	Shales, John H
Linseed, taw 0 3 0 55	The Keegans-Milne Co	The Parmalee Roofing & Paving Co Toronto Roofing Co
Olive, pure	Ives & Co., H. R IV	Williams & Co., H
" extra, qt., per case. 3 00 3 25 2 50 2 60 2 50 2 50 2 50 2 50 2 50 2	Leach & Turnbull	SAFES. Kimball, S
" ½ pts., " 2 75 3 10 Spirits turpentine 0 67 0 70	Engravers, Armstrong Photo-Eng. Co	SANITARY APPLIANCES.
	Canadian Photo-Eng Bureau iii	Booth & Son
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