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Post-Canadian Institute
46 Richmond St.

THE Canadian Contract Record

A Weekly Journal of Advance Information and Public Works.

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

ITS MERIT: ECONOMICAL AND EFFECTIVE SERVICE.

Vol. 1. Toronto and Montreal, Canada, September 6, 1890. No. 30

THE CANADIAN CONTRACT RECORD,
A Weekly Journal of Advance Information and Public Works,
PUBLISHED EVERY SATURDAY
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Information from any part of the Dominion regarding contracts open to tender 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 CONTRACT RECORD, and pledged its members to use this journal as their medium of communication with contractors with respect to advertisements for Tenders.

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



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:
SEWER—Symington ave., Earnest street to C. P. Ry.; Batty street, Broadview ave. to Bowden street; Joyce street, Perth street to Symington ave.; Mowat ave., King street to south terminus; Curzon street, Queen street to Sproull ave.; Howard Park ave., Dundas street to Roncesvalles ave.; Christie street, present terminus of sewer to north city limit; Radcliffe ave., Eastern avenue to Queen street; Davenport road, Yonge street to Hazelton ave.
PAVEMENTS—Tuzzel ave. to Pape ave; College street, north side, Major street to Borden street.
STONE FLAGGING—Yonge street, west side, Queen street to College Street.
Plans can be seen and forms of tender obtained 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 1 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.

Property owners on the above named streets are here by notified by order of the City Engineer, that unless private drain connections, water and gas services, 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.

JOHN SHAW,
Chairman Committee on Works.
Committee Rooms, August 25th, 1890.

CLERK OF WORKS

Desires an engagement; first-class testimonials, English and Canadian. Address, "K. R.," 17 Elgin Avenue, Toronto, Ont.

TENDERS

Will be received by the undersigned up to 5 p.m. on SATURDAY, 13TH INST., for the various works required in the erection of a Cottage in Cote St. Antoine.

R. FINDLAY,
N. Y. Life Buildings, Montreal.

TENDERS WANTED.

Tenders will be received at the office of the undersigned until FRIDAY, SEPT. 12TH, for all works, except carpentering, required to erect and complete houses on Major Street and also on Fuller Ave.
The lowest or any tender will not necessarily be accepted. Contractors will be required to furnish satisfactory evidence of their ability, financial and otherwise, to properly execute the work.

ROBT. OGLVIE, Architect,
9½ Adelaide St. E., Toronto.

WATERPROOF WHITEWASH.

A formula for a whitewash which can be applied to lime walls, and which afterwards becomes waterproof, so as to bear washing, is given in a German paper. Resenckek, of Munich, mixes together the powder from three parts of silicious rock (quartz), three parts of broken marble and sandstone, also two parts of burned porcelain clay, with two parts of freshly slaked lime, still warm. In this way, a wash is made which forms a silicate if often wetted, and becomes, after a time, almost like stone. The four constituents, mixed together, give the ground color, to which any pigment that can be used with lime is added. It is applied quite thickly to the wall or other surface, let dry one day, and the next day frequently covered with water, which makes it waterproof. This wash can be cleansed with water without losing any of its color; on the contrary, each time it gets harder, so that it can even be brushed, while its porosity makes it look soft. The wash, or calcimine, can be used for ordinary purposes, as well as for the finest painting. A so called fresco surface can be prepared with it in a dry way.—Invention.

LIEN LAW PRECEDENT.

The Supreme Court of Pennsylvania recently decided in two separate cases that a sub-contractor engaged in the erection of a building has no lien against the building if the contract between the owner and principal contractor proves that the building should be delivered free of liens. All contracts contain that proviso, but heretofore it was not supposed that it affected sub-contractors and material men, who are not parties to the contract and whose lien is given to them by statute as an extraordinary remedy. This interpretation of the law practically wipes out the Mechanics' lien law, which has been in operation since 1806, and makes all people who do work on or furnish material for a new building look to the principal

contractor alone for their money. Under the old ruling a dishonest contractor could underbid all competitors, do part of the work, draw about half the money and then refuse to pay the men. With the fear of a lien hanging over his property the owner was compelled to pay the men, although he had already paid the contractor.—Architecture and Building.

TO STRENGTHEN ROPES.

It has been suggested by a French exchange that in order to insure greater strength and, consequently, more safety in ropes used for scaffolding purposes, particularly in localities where the atmosphere is destructive to hemp fibre, such ropes should be dipped, when dry, into a bath containing twenty grains of sulphate of copper per litre of water, and kept in soak in this solution of water some four days, afterward being dried; the ropes will thus have absorbed a certain quantity of sulphate of copper, which will preserve them for some time both from the attacks of animal parasites and from rot. The copper salt may be fixed in the fibres by a coating of tar or by soapy water, and in order to do this it may be passed through a bath of boiled tar, hot, drawing it through a thimble to press back the excess of tar, and suspending it afterward on a staging to dry and harden. In a second method the rope is soaked in a solution of 100 grammes of soap per litre of water. The copper soap thus formed in the fibre of the rope is stated to preserve it even better than tar is capable of doing, which acts mechanically to imprison the sulphate of copper, which is the real preservative in the case.

FIREPROOFING EXTERIOR SURFACES.

It is found that a most effective composition for fireproofing exterior surfaces may be formed by slacking a sufficient quantity of freshly burned quicklime of the best grade, and when the slacking has become complete, adding such an amount of skim milk, or water in its absence, as will make a liquid of the consistency of cream. To every ten gallons of this liquid are added, separately and in powder, and with constant stirring, the following ingredients in the order named: two pounds of alum, twenty-four ounces sub-carbonate of potassium, or commercial potash, and one pound of common salt. If white paint is desired, no further addition is made to the liquid, though the whiteness is found to be improved by a few ounces of plaster of Paris. Lampblack has the effect of giving a number of shades from slate color to black. But whatever tint is used, it is incorporated at this stage, and the whole, after being strained through a sieve, is run through a paint mill. When ready to apply, the paint is heated nearly to the boiling point of water, and is put on in hot condition. It is also found that the addition of a quantity of fine white sand to this composition renders it valuable covering for roofs and crumbling brick walls.

CONTRACTS OPEN.

PENETANGUISHENE, ONT.—The by-law to raise \$20,000 for water-works has carried.

ST. THOMAS, ONT.—Water-works debentures to the amount of \$125,000 have been sold.

TERRERHONNE, QUE.—Mr. P. Geard, of Maisonneuve, will establish a shoe factory here.

WALKERVILLE, ONT.—A meeting of Methodists was called for last night to choose a site for a new church.

QUEBEC, ONT.—In consequence of a split in the Baptist church here, it is probable that a new church will be built.

AMHERSTBURG, ONT.—On December 1st the citizens will decide upon the spending of \$27,000 for new water works.

CAMPBELLFORD, ONT.—A strong effort is to be made to secure the construction of the Cobourg, Northumberland & Pacific Junction railway.

BROCKVILLE, ONT.—It is the intention of the Government to erect a lighthouse on Carleton Island this fall, at an estimated cost of \$4,000.

WINNIPEG, MAN.—Plans for the new Dominion Government immigrant sheds have been received, and the building will be erected this fall.

MAGOG, P. Q.—Premier Mercier has granted \$1,000 towards the building fund of the new boys' schools which the R. C. Commissions will erect next spring.

AMHERST, N. S.—Messrs. Robb & Sons intend erecting immediately large foundry and machine shops. New outfit of machinery will be required.

PORT BURWELL, ONT.—The by-law to grant \$35,000 to the Tilsonburg, Lake Erie & Pacific railway was voted on in Bayham township on the 3rd inst., and carried.

DARTMOUTH, N. S.—The ratepayers have decided not to proceed with the construction of a water-works system, owing to defective legislation. The question will be re-opened after the next session of the legislature.

WOONSTOCK, ONT.—Two by laws have received the approval of the ratepayers one appropriating \$52,000 for tapping Thornton's spring, near Swenborg, and putting in a good supply of water for domestic as well as for fire purposes, and the other for \$48,000 for extending the present mains.

PETERBORO' ONT.—The Canadian Edison Co. have decided to erect extensive works here, estimated to cost \$30,000. On the 25th inst. the ratepayers will vote on a by-law to raise \$11,000 for the purchase of the necessary site for the buildings and 4,000 to construct a sewer in connection with the same.

HAMILTON, ONT.—The hospital committee will have a second meeting on Monday evening next to further consider the project for the erection of a Home for Incurables.—A permit has been granted Rev. C. L. LeBrine for the erection of a church at the corner of Locke & Hannah streets, at an estimated cost of \$7,000.—The sewers committee will advertise for tenders for the remaining work of construction on the east end sewer.—A site has been purchased for a new R. C. church at the corner of Locke and Herkimer Streets.

KINGSTON, ONT.—Mr. Newlands, architect, has prepared plans for an addition to the Brothers' school, and a special committee of the Separate School Board recommends that the work be proceeded with.—It is said that the Thousand Island Park association will erect a fine hotel, three hundred feet long and three stories high.—Financial arrangements are being perfected in England for the building of the Kingston and Smith's Falls railway. The route is to a large extent located.—The special committee of the Separate School Board on school accommodation is authorized to bring in a report at the next meeting of the board reporting a site in Rideau ward for a new school.

MONTREAL, QUE.—In accordance with the expressed wish of the ratepayers, St. Vincent street will be paved with wood instead of asphalt.—The time for receiving tenders for cast iron pipes required by the water-works department has been extended until noon on Tuesday, the 9th inst.—The report of the inspectors of prisons just published urges the local Government to erect a new gaol building for the district of Montreal. The Government is said to be favorably disposed.—The city authorities threaten to complete the contract of the street railway company for the construction of street railway in certain districts which the company has neglected.—The Council has granted the request of the Roads Committee for the following appropriations: \$20,000 for roads and sidewalks, \$13,000 for paving Dorchester street with asphalt, \$11,000 for gullies on St. Catherine street, \$5,000 for quarry repairs.—Mr. R. Findlay is preparing plans for fitting up on a superb scale offices for the Quebec

Bank in the New York Life Building.—The Council have in contemplation the following improvements: New stations for the Fire Department, estimated to cost \$70,000; the opening and widening of the following streets: Notre Dame street from Desery to limits; Inspector street and widening, opening Albert st., opening St. James street (west of the Cathedral), widening Mountain street, widening St. Antoine st., widening Cathedral street, widening Bleury street, extension of Viger Square.

TORONTO, ONT.—The Public School Board has instructed its architect to prepare plans for the erection of a cottage on the Phoebe street school grounds. Tenders will be asked.—By-laws will be submitted to the ratepayers authorizing appropriations for public works as follows: Jarvis street sewer, (reconstruction) \$5,000; stone street crossings, \$15,000; stone kerbing, \$5,000; new street into Queen's Park, from St. George street, \$10,725; alterations, etc., to Frederick street wharf, \$3,500; alterations and improvements to fire halls, \$7,950; Dufferin street wharf, \$1,250; jail enlargement, etc., \$14,024; laying house services and for 12-inch composition mains for improving distribution and fire pressure upon principal streets, \$118,074; new pumping engines, \$200,000.—Mr. Sutherland Stagner has purchased the property at the north-east corner of front and York streets, and will erect thereon warehouses. Tenders will be asked for a new fire truck for the fire department.—The following building permits have been granted:—J. Tulloch, pr. det. 2-storey and attic bk. dwellings, east side Dunn Ave., north of King St., cost \$5,600.; H. H. Williams, 1½-storey bk. stable, Alexander St., cost \$1,000.; Gale Mfg. Co., 4-storey bk. factory, Munro lane, cost \$11,500.; Trustees Central Methodist Church, alterations to church corner Bloor St. and Gwynne Ave.—The Commissioner of Public Works for Ontario will receive tenders until noon on the 9th inst. for a duplicate pump and construction of a piggery at Asylum for Insane, London; houses for engineer and farmer, and piggery at Asylum for Insane, Mimico, iron pipes and hydrants, slaughter house, piggery and additions to coal vaults, Asylum for Insane, Hamilton; iron pipes and hydrants soft-water cisterns, storekeeper's house, driving shed and larn, Asylum for Idiots, Orillia. Plans and specifications at the various asylums mentioned. Contractors applying for further information in consequence of having seen this paragraph, should mention the CANADIAN CONTRACT RECORD.

CONTRACTS AWARDED.

BRANDON, MAN.—The contract for the new city hall and civic buildings has been awarded to Major Stewart, of Ottawa, the figure being \$38,859.

SMITH'S FALLS, ONT.—Mr. Munro, of Pembroke, and Mr. Taylor of this town, have received the contract for renovating the Episcopal church, the amount to be expended being \$10,000.

HAMILTON, ONT.—D. L. Van Vlack has been given the contract for paving and curbing Herkimer street, from James to Bay streets, at 98 cents per yard for paving, and 18 cents for curbing.

LONDON, ONT.—The following tenders for the mason and brickwork for Askin street school improvements were received.—J. Fleming, \$768; J. Garratt, \$800; John Hayman, \$1,087; Jas. Johnston, \$1,150. Mr. Fleming's tender was accepted, as also that of Mr. John Purdom at \$275 for carpenter work. The tender of the Bennet Furnishing Company for teachers' desks (No. 14), at \$9, was accepted.

TORONTO, ONT.—The Sites and Buildings Committee of the Public School Board have recommended acceptance of the following tenders for the erection of a school building at the corner of Church and Alexander streets:—Bryce Bros., masonry, \$11,357.50; E. W. Powers, carpenter, \$9,250; Watson Bros. plasterer., \$1,147; G. Duthie & Sons, roofers, \$1,737; W. H. Hewlett & Co., plumbers, \$312; Talyor & Wheeler, painters, \$650; J. Douglas & Co., galvanized iron, \$180; Douglas Bros., metal ceilings, \$1,120; Smead, Dowd & Co., heating and ventilating, \$2,580. Total, \$27,733.50. The Committee also recommend that in case additional work is required in connection with the masonry or plastering the following prices therefor, submitted with the above tenders, be accepted.—Bryce Bros., extra excavating for foundations, 30 cents per cubic yard; extra stone wall, \$9 per toise; extra brick wall, \$12 per thousand; Watson Bros., composition blackboards, \$1.20 per square yard.

MONTREAL, QUE.—Tenders have been accepted by the Roads Committee as follows: Sewers—Amherst street, from Craig to Dorchester, Mr. MacDonnell, \$7.50 per lineal yard; Cathedral street, from St. James to St. Antoine street, Mr. MacDonnell, \$7.50; St. Charles Borromee street, from Bagg to Guillaubi, Mr. N. Laporte,

\$5.95; Fortification lane, from Place d'Armes hill to St. Francois Xavier street, Mr. MacDonnell, \$9.50; St. Patrick street, from Conde to Flume, Mr. N. Laporte, \$6.50; Ropery street, from St. Patrick to Manufacturers, Mr. Villeneuve, \$6.58; Sherbrooke street, from St. Lawrence to St. Urban street, \$8.95; St. Jean Baptiste street, from Maple to Berri street, Mr. N. Laporte, section A, \$3.50; section B, \$3.50; excavation, \$1.23. Stone flag sidewalks—P. D. Lawrence, St. Patrick street, \$2.65; St. Catharine street \$3.74; asphalt sidewalks—Mr. Reed, Lacroix, St. Therese, St. Gabriel, St. Lambert Hill, Place d'Armes and St. Vincent street, \$2.85; Firmité sidewalks—Mr. Dansseau, \$2.85, and the conditions, 2-inch powdered lime, 4-inch broken stone, 5-inch concrete and one part Acton gravel.—The Smead-Dowd system of heating and ventilating has been adopted by the authorities of McGill College, where extensive alterations are in progress.

BIDS.

TORONTO, ONT.—The Toronto Electric Light Co. has submitted the following offer for lighting the city streets:—Eight hundred arc lights for two years, 38 cents each per night; three years, 33½ cents per night, five years, 29½ cents per night. The matter has been referred to a committee.

Last of tenders for excavation, masonry, brick-work and cut stone required for the new building of the Bell Telephone Company of Canada, proposed to be erected in Temperance Street, Toronto: Stroud, \$15,020; Phillip & Harp, \$15,160; Yorke, \$15,050; Aldridge, \$15,450; Critchendon, \$15,620; Hibbard, \$15,670; Jones, \$15,773; Hunter, \$15,000; Oakley & Holmes, \$15,920; Vokes & Malcolm, \$15,910; Lucas, \$15,983; Wickett Bros., \$16,167; Brown & Love, \$16,262; Boon, \$16,299; Teagle & Darwent, \$16,281; Harris & Duncan, \$16,345; Page, \$16,400; Harrison & Lewis, \$16,654; French, \$16,725; Crang, \$16,730; Powell, \$16,744; Hardy & Moss, \$17,050; Nurse, \$17,081; Parsons, \$17,100; Webb & Claxton, \$17,143; Snarr, \$17,253; Herbert, \$17,320; McMurrain, \$17,554; Gearing, \$17,600; Orr Bros., \$18,000; Harding & Baltwin, \$18,525; Blain, \$19,888; Williams, \$23,000.

CEMENTING IRON RAILING TOPS.

The following has been used with the greatest possible success for the cementing of iron railing tops, iron grating to stoves, etc., in fact, with such effect as to resist the blows of the hammer. This mixture is composed of equal parts of sulphur and white lead, with about one-sixth proportion of borax, the three being thoroughly incorporated together so as to form one homogeneous mass. When the application is to be made of this composition, it is wet with strong sulphuric acid and a thin layer of it is placed between the two pieces of iron; these being at once pressed together. In five days it will be perfectly dry, all traces of the cement having vanished, and the work having every appearance of welding.

LEGAL DECISIONS.

A Massachusetts decision on the subject of rights in party walls is as follows: "The estate which the abutting owners have is an estate in a party wall, and the rights of the owners in it are found in their presumed intention in the mutual grant of a party wall rather than by classifying it with other estates, and deducing its qualities from the name given it. In effect each owner acquires the right to build one-half of his wall upon his neighbor's land, and each contributing his portion of the expense has a right to an equal benefit in the wall so built. The wall is a substitute to each for a separate wall, and there can be no implied limitation of his right to use it as he would use his several wall, except that he shall not impair its value to his neighbor." The suit which gave rise to this decision was one to compel the defendant, who had made a considerable increase in the height of the party wall, to remove the amount so added.

ANTIQUITY OF STEAM-HEATING.

That steam-heating is not new, says the *Safety Valve*, appears from remarks made by George H. Babcock before the American Society of Mechanical Engineers some time ago. Mr. Babcock cited the fact that when at Pompeii he found that the old Roman baths there were heated by steam, and heated in a better and more scientific manner than is practised at the present time. The walls were double, and the steam, of course, not above atmospheric pressure, was carried up through these walls all around the room. The walls were thus heated to a temperature approximating to that of steam, and the occupants of the room were exposed to a radiation from all directions. This, Mr. Babcock held, is the true theory of heating, and the system of steam-heating by indirect radiation, or heating the enveloping air only, is unscientific, expensive and uncomfortable. It is of interest to add here that the late Joseph Harrison, Jr., of Philadelphia, in delivering a lecture before the Franklin Institute several years ago, said that he had seen in the museum at Naples a boiler substantially of the same construction as the modern vertical, tubular boiler. This boiler was found at Pompeii, and was made of copper.

CURIOUS UPEHAVAL OF BRIDGE FOUNDATIONS IN HOLLAND.

In building a three-span railway skew arch bridge over the Poldewaart, in Keitrel, Holland, J. Wuckelback writes in the *London Architect*, the proceedings were commenced in the usual manner, with the intention of having separate foundations for each pier. This was by shooting in large quantities of sand, to form dams within which, when pumped dry, the foundations would have been excavated. After a length of about 70 feet of sand-dam, 10 feet deep, had been filled in without exhibiting any signs of sinking, a heavy thunderstorm occurred, during which the whole mass was suddenly engulfed to a depth of 29 feet, while there arose simultaneously, at a short distance down the canal, to above the water level, a mass of bog earth of an area of 4,489 square feet. This mass increased at subsequent periods of the proceedings to the area of 9,628 square feet, and there was reason to fear for the safety of the adjacent dykes and other works. Piles 70 feet in length, when driven and tied together by waling pieces, severed bodily from their position and became useless. Fascines equally failed in producing stability. The engineer, therefore, after directing the canal water into a side cut, surrounded the site of the intended foundation with mounds of sand, and the foundation pit was pumped dry. It then became necessary to remove all the bog earth from within the space for the foundation, which was accomplished by digging out spaces of a yard square and filling them in with sand as they proceeded, until, by commencing at the exterior and working inwards to the centre, all the bog earth was removed and a bed of sand had been formed in its place. The piles for the ordinary foundation used in Holland were then driven through the made ground, and the structure was completed with perfect success, the sand dam and the masses of upraised bog earth outside being subsequently dredged up in the ordinary manner to restore the canal to its original bed. The sudden rising of the bog earth during a thunderstorm is of frequent occurrence in Holland, and it would appear as if the adhesion of the masses of bog earth to the bottom was so slight that the vibration communicated to

the water by the thunder sufficed to destroy the equilibrium, and the bog turf, which from its slight specific gravity will float even when wet, instantly rose to the surface.

USEFUL HINTS.

Recent experiments to test the strength of brick resulted in demonstrating a crushing resistance of from 5,000 to 22,000 pounds per square inch, according to the quality of the brick. The average of ten varieties was 7,150 pounds. As the standard strength given by the engineering text-books is only from 500 to 4,200 pounds, it is evident that great improvement has been made in the manufacture of brick since those books were compiled.

A correspondent of the *American Artisan* gives the tinsmiths a rule to find circumferences as follows: "This rule is of interest to those who do not know what we call the five magic figures to get the circumference of a pipe without a tapeline or a square. Take the figures following: 3, 16, 63, and multiply by 8, which means 8-inches in diameter; the correct size of the pipe without the edges will be 25-inches and 30-100 parts of an inch. Always use 31,936. If one of the tinnermen know a better way I will be pleased to hear it. This is intended for an 8-inch stack."

PASTE FOR PAPER-HANGERS.—Beat up 2 lbs. of white flour into a stiffish paste with cold water. Use a good spatula to crush out all lumps, and then add 1½ ounces of crushed alum. This done, pour on the mixture about 2 gallons of boiling water and stir up the batter whilst adding this. If the water is boiling and the batter be effectually stirred whilst this is added, at first slowly, and then rapidly as the paste thickens, the result ought to be a bucket of good paste entirely free from lumps and strongly adhesive. It is well after the paste is made to pour on the top a pint of cold water. This course will prevent a skin from forming over the paste. The alum serves a double purpose in paper-hanger's paste; it prevents it from turning sour and makes it both thicker and stronger. In hot weather paste without alum would soon be in a state of putrefication. But it is not advisable to use alum for paste which is intended to fix gold papers, for alum has a tendency to discolor and turn black all papers which have a metallic lustre. To prevent the often sickening odor that pervades a newly-papered room for some time, add to the paste a little oil of cloves, salicylic or carbolic acid. These things are cheap, and further are sure remedies for the nauseous and unhealthy odor of sour paste.

Prices of Building Materials.

LUMBER.

CAR OR CARGO LOTS.

1½ and thicker clear picks, Am. ins.	\$30 00@32 00
1½ and thicker, three uppers, Am. ins.	37 00
1½ and thicker, pickings, Am. ins.	27 00
1 x 10 and 12 dressing and better	18 00 20 00
1 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	12 00 13 00
1 x 10 and 12 spruce culls	10 00 11 00
1 x 10 and 12 maple culls	9 00
1 inch clear and pick	28 00 30 00
1 inch dressing and better	18 00 20 00
1 inch siding, mill run	14 00 16 00
1 inch siding, common	11 00 12 00
1 inch siding, ship culls	\$10 00 \$11 00
1 inch siding, mill culls	8 00 9 00
Cull scantling	8 00 9 00
1½ and thicker cutting up plank	22 00 25 00
1 inch strips, 4 in. to 8 in. mill run	14 00 15 00
1 inch strips, common	11 00 12 00
1½ inch flooring	14 00 15 00
1½ inch flooring	14 00 16 00
XXX shingles, sawn	2 30 @ 2 35
XX shingles, sawn	1 30 1 35
Eastlake galvanized steel shingles, 24 W. G., per square	6 00
Eastlake galvanized steel shingles, 26 W. G., per square	5 00

Eastlake painted steel shingles, per sq.	4 00
Round pointed galvanized steel shingles, per sq.	6 00
Round pointed painted steel shingles, per sq.	4 25
Round pointed, unpainted, Terne tin shingles	4 00
Manitoba galvanized, steel siding, per square	5 00
Manitoba painted steel siding, per sq.	3 50
Painted sheet steel pressed brick	3 50
Painted crimped steel sheeting	3 40
Price of Copper shingles according to weight	

YARD QUOTATIONS.

Mill cull boards and scantling	10 00
Shipping cull boards, promiscuous widths	13 00
Shipping cull boards, stocks	14 00
Hemlock cantling and joist up to 16 ft.	11 00 12 00
" " " 18 "	12 00 13 00
" " " 20 "	13 00 14 00
Scantling and joist, up to 16 ft.	14 00
" " " 18 ft.	15 00
" " " 20 ft.	17 00
" " " 22 ft.	19 00
" " " 24 ft.	21 00
" " " 26 ft.	23 00
" " " 28 ft.	25 00
" " " 30 ft.	27 00
" " " 32 ft.	29 50
" " " 34 ft.	31 00
" " " 36 ft.	33 00
" " " 38 ft.	35 00
" " " 40 to 44 ft.	36 00
Cutting up planks, 1½ and thicker, dry board	25 00 26 00
Cedar for block paving, per cord	18 00 22 00
Cedar for Kerbing, 4 x 14, per M.	5 00
Cedar for Kerbing, 4 x 14, per M.	14 00

B. M.

1½ inch flooring, dressed, F. M.	28 00 31 00
1½ inch flooring rough, B. M.	18 00 22 00
1½ " " dressed, F. M.	25 00 28 00
1½ " " undressed, B. M.	15 00 19 00
" " " dressed	18 00 22 00
" " " undressed	12 00 15 00
Banded sheeting, dressed	22 00 35 00
Clapboarding, dressed	12 00
XXX sawn shingles, per M, 16 in.	2 65 2 75
Sawn lath	2 00 2 20
Red oak	30 00 40 00
White	35 00 45 00
Basswood, No. 1 and 2	13 00 20 00
Cherry, No. 1 and 2	70 00 70 00
White ash, No. 1 and 2	25 00 25 00
Black ash, No. 1 and 2	20 00 30 00
Dressing stocks	16 00 22 00
Picks, American inspection	40 00
Three uppers, American inspection	50 00

BRICK—P. M.

Common Walling	\$7 50
Good Facing	9 00
Sewer	8 50 9 00

Pressed Brick:

Plain brick, f. o. b. at Milton, per M.	\$17 00
" " and quality, per M.	13 00
" " 2nd	10 00
Hard Building	8 00
Moulded and Ornamental, per 100	\$3 to 40 00
First quality, f. o. b. at Campbellville, per M	15 00
2nd " " " "	13 00
3rd " " " "	10 00
Hard Building	8 00
Ornamental, per 100	\$3 to 10 00
Tiles	24 00

Stone:

Common Rubble, Per Touse, delivered	14 00
Large flat " "	18 00
Foundation Blocks, " Cubic Foot.	35

Slate: Roofing (P. square).

" red	16 00
" purple	9 00
" unfading green	9 00
" black slate	7 50
Terra Cotta Tile, per sq.	25 00
Ornamental Black Slate Roofing	8 00

Sand:

Per Load of 1½ Cubic Yards	1 25
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PAINTS. (In oil, P. lb.)

White lead, Can.	6 25 6 50
" zinc, Can	6½ 7 20
Red lead, Eng.	5½ 6½
" venetian	1 60 1 75
" vermilion	90 1 00
" Indian, Eng.	10 12
Yellow ochre	5 10
Yellow chrome	15 20
Green chrome	7 12
" Paris	25 40
Black lamp	15 24
Blue, ultramarine	14 23
Oil, linsed, raw (Imp. gallon)	68 70
" " boiled	72 75
" " refined	78 80
Putty	2½ 2½
Whiting, dry	75 1 00
Paris white Eng., dry	60 1 25
Litharge, Am.	6½ 8
Sienna, burnt	15 20
Umber, " "	8½ 12

CEMENT, LIME, etc.

Lime, Per Barrel of 2 bushels, Grey.	40
" " White	55
Plaster, Calcined, New Brunswick	2 00
" " Nova Scotia	2 00
Hair, Plasterers', per bag	1 00
Cement, Portland, per bbl.	2 80 3 00
" Thorold, "	1 50
" Queenston, "	1 50
" Napance, "	1 50
" Hull, "	1 50

HARDWARE.

Cut Nails:

American Pattern, 1 1/2 inch, per keg... 4 15
 " " 1 1/2 to 1 3/4 inch, per keg 3 40
 Canadian Pattern, 1 1/2 inch, per keg... 3 65
 " " 1 1/2 to 1 3/4 inch, " " 3 15
 " " 1 3/4 to 2 inch, " " 3 15
 " " 2 to 2 1/2 inch, " " 2 90
 " " 2 1/2 to 3 inch, " " 2 65
 " " 3 inch and larger..... 2 65
 Steel nails 10c. per keg extra.....
 Finishing nails, 1 inch, per keg..... 5 75
 " " 1 1/2 inch, " " " " 5 05
 " " 1 3/4 " " " " " 4 50
 " " 2 " " " " " " 4 25
 " " 2 1/2 " " " " " " 4 00

MONTREAL PRICES.

Lumber, Etc.

Ash, 1 to 4 in., M. \$13 00 @ 18 00
 Birch, 1 to 4 inch, M. 15 00 25 00
 Basswood..... 12 00 20 00
 Walnut, per M. 50 00 100 00
 Butternut, per M. 22 00 40 00
 Cedar, flat..... 00 04 00 06
 Cherry, per M. 60 00 80 00
 Elm, Soft, 1st..... 15 00 17 00
 Elm, Rock..... 25 00 30 00
 Maple, hard, M. 20 00 25 00
 Maple, Soft..... 16 00 18 00
 Oak, M. 40 00 95 00
 Pine, select, M. 35 00 40 00
 Pine, 2nd quality, M. 20 00 25 00
 Shipping Culls..... 13 00 16 00
 Mill Culls..... 8 00 10 00
 Lath, M. 1 50 1 90
 Spruce, 1 to 2 inch, M. 10 00 12 00
 Spruce Culls..... 4 50 6 00
 Shingles, 1st quality..... 2 00 3 00
 " " and " " " " " " 1 25 1 50

Cement, etc.

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

Cut Nails:

Hot-cut Am. or Can. pattern, 3 inch and above 2 75 \$2 85
 Hot-cut Am. or Can. pattern, 2 3/4 inch and above 3 00 3 25
 Hot-cut Am. or Can. pattern, 2 1/2 and 2 inch..... 3 25 4 30
 Am. pattern, 1 1/2 and 1 3/4 inch hot-cut 3 50 5 60
 1 1/2 inch 4 25 5 20
 Can. Pattern, cold-cut, 1 1/2 and 1 3/4 inch 3 25 4 45
 1 3/4 inch..... 3 75 4 95
 Finishing Nails, per 100 lb. keg, 1 1/2 75 cents
 Finishing Nails, per 100 lb. keg 1 1/2 to 1 3/4 inch..... advance on
 and 1 3/4 inch..... Hot Cut
 Finishing Nails, per 100 lb. keg, 2 inch and up..... Nails.

Paints, etc.

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

Oils:

Linseed, raw..... 0 3 0 55
 " " boiled..... 0 66 0 68
 Olive, pure..... 1 10 1 15
 " " machinery..... 95 1 03
 " " extra, qt., per case..... 3 00 3 25
 " " pts., " " " " " " 2 50 2 60
 " " 1/2 pts., " " " " " " 2 75 3 10
 Spirits turpentine..... 0 67 0 70

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