

TENDERS WANTED.

Tenders will be received at the office of the undersigned until December 6th, 1890, for the erection of three houses on St. Matthews Street, Montreal. 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.

J. A. PROUDFOOT BULMAN, Architect,
Montreal.



NOTICE TO CONTRACTORS.

SUPPLY OF LUMBER, ETC., FOR 1891.

Tenders will be received by registered post, addressed to the City Engineer, up to 12 o'clock noon on TUESDAY, DECEMBER 2ND, 1890, for the following supplies for the year ending December 31st, 1891:

Pine planking, 8 to 12 inches wide, in quantities of 12, 16, and 18-foot lengths, as may be required, 2,000,000 ft. B. M.;

Scantling, 4-in. x 4-in., from 12 feet in length up, 400,000 ft. B. M.;

Cedar kerbing, 4-in. x 8-in., and 4-in. x 6-in., 16 feet long, 120,000 ft. B. M. (60,000 ft. B. M. of each size);

Cedar posts for repairs and renewals of pavements, 2,000 cords;

Tamarac for repairs and renewals of pavements, 1,000 cords;

Gravel, for repairing stone setts and cedar pavements, macadam roads, etc., 7,000 cub. yds.

Forms of tender can be obtained on and after November 7th inst., at the City Engineer's office.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 5 per cent. on the value of the work tendered for under \$1,000, and 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.

JOHN SHAW,

Chairman Committee on Works.

Committee Room, Toronto, November, 14, 1890.

CONTRACTS OPEN.

LENIWORTH, ONT.—There is some talk of building a Catholic church here.

MAGOG, QUE.—The by-law for the erection of a town hall has now been passed.

OTTAWA, ONT.—The corner stone of the McLeod street Methodist Church was laid a few days ago.

PETROLIA, ONT.—New public buildings are to be erected on Main street at a cost of about \$25,000.

PORTAGE LA PRAIRIE, MAN.—Messrs. Johnston & Barclay, will rebuild their oatmeal mill recently burned.

NEWMARKET, ONT.—The Public School Board has applied to the Municipal Council for \$10,000, for the purpose of building a school house and furnishing same.

WENTWORTH, ONT.—The municipal authorities of the Township of Percy have passed a by-law granting \$25,000 bonus to the Cobourg, Northumberland & Pacific Railway project.

ST. CATHARINES, ONT.—There is a probability of the Thompson-Houston Electric Company erecting a factory here. An attempt is being made to reorganize the lighting of the city.

KINGSTON, ONT.—Mr. C. Graham is about to erect a terrace of stone houses on Collingwood street. At a recent meeting of the City Council, the question of extending the streets was discussed.

BROCKVILLE, ONT.—Plans have been prepared for the erection of the new Thousand Island Park Hotel. At the last meeting of the Collegiate Institute Board, the advisability of enlarging the school was discussed.

W. TORONTO JUNCTION.—It has been decided to erect a water tank capable of holding

150,000 gallons near the corner of Keele street and St. Clair avenue, at a cost of \$10,500. At the last meeting of the Public School Board the advisability of providing a High School was considered, and will be submitted to the town council at their next meeting.

VANCOUVER, B. C.—The Women's Hospital Society have accepted three lots from the C. P. R., and will at once make arrangements for the construction of a suitable building.

HAMILTON, ONT.—The Bayside Park scheme has been adopted, and the work will be commenced shortly. The Street Railway Co. are going to erect new stables on the corner of Herkimer and Locke streets. Mr. D. Brown and P. McBeath have obtained permission to erect a two storey brick house on Erie avenue. Charles Carpenter has been granted a permit for the erection of a brick stable on Macnab st.; cost \$1,000.

TORONTO, ONT.—The following building permits have been granted: J. Korman, bk. ice house, rear 99 Duchess street, cost \$15,000; Jane McIntyre, pr. 2-storey bk. fronted dwellings, n. side Pearson ave., n. of Macdonnell avenue cost \$3,500; R. Milligan, two det. 2-storey and attic bk. dwellings, w. side Major street, n. of College street, cost \$5,000; Toronto Furnace Co., three 1-storey bk. stores and alterations to No. 2 Queen st. east, cost \$2,000. A Sub-Committee after visiting the gaol farm, has reported in favor of both it and the Walter estate being added to the park at the east end.

MONTREAL, QUE.—It is understood the city authorities will ask the Legislature at this session for permission to be allowed to raise \$200,000 on loan, for the purpose of building a tunnel under the Champ-de-Mars to Jacques Square, and for the purpose of widening St. Lambert street, between Notre Dame and St. James streets, and making it the same width from Notre Dame to Commissioners; but of this sum, \$25,000 is to be allowed for grading, etc.—The Committee on Roads have reported in favor of widening St. Antoine street to 80 feet from Craig street and west of Windsor street to 60 feet. There is some talk of erecting a Y.M.C.A. in connection with the University. A Bill is in the hands of the Quebec Legislature for the union of the Laval and Victoria Schools of Medicine. When this is passed a building is to be erected on the corner of St. Catharines and St. Denis streets. The following building permits have been granted: Ed. Hamilton, wood and brick dwelling, 2½ stories, 165 St. Hysolyte St., cost \$2,000; John Cross, 2-storey wood and brick dwelling, Carron St., cost \$2,000; Jas. Paton, three 2½-stories stone and brick dwellings, 174-68 Peel St.; Hutchison & Steele, architects; R. Wilson; masonry; Paton & Son, carpentry; H. Boon, brickwork; cost \$6,500.

CONTRACTS AWARDED.
VICTORIA, B.C.—The Hudson's Bay Co. are having plans prepared for a large store.

GUELPH, ONT.—Mr. Geo. Stevens tender for the erection of St. James Church has been accepted.

HAMILTON, ONT.—The contract for asphalt, ing West avenue, from Main street to Stinson street, has been awarded to the Hamilton Gas Co.

ST. THOMAS, ONT.—It is reported that the C. P. R. intend in the spring to erect an independent station and small round house at this point.

MONTREAL, QUE.—Messrs. Chausse & Mesnard, architects, have given the contract for a house on Drolet street for the Montreal Bedding Co. to Louis Leblanc, carpenter; F. Gagnon, bricklayer; P. Racette, mason. The building will cost about \$3,500.

LONDON, ONT.—The contract for the erection of a boiler manufacturing and moulding shops in addition to Messrs. Leonard & Sons' foundry on

York and Colborne streets, has been awarded brick work to McEdward Martyn, and the carpentry to Messrs. Jones Bros., at a total cost of \$11,000.

NEW WESTMINSTER, B. C.—Messrs. A. G. Kiddison & Co., of Glasgow, Scotland, have been awarded the contract for supplying cast iron pipes, special castings and lead for the water-works system. The price is \$52,461.14. The contract for valves, hydrants, gates, etc., has been secured by the Galvin Brass and Iron Works Company, Detroit, Mich., at \$6,306.10.

A process of manufacture of filtering material is described as consisting essentially in reducing ferric oxide by heating it in contact with gaseous fuel. Small pieces of iron ore, preferably hematite, are packed into a retort heated externally, preferably by producer gas. When the charge is at a cherry red heat, gaseous fuel is admitted into the retort and brought into thorough contact with the ore. At the end of four or five hours, if the exit gas be inflammable, the process is finished, and the charge raked out and allowed to cool. Ordinary coal gas or other gaseous fuel may be used instead of producer gas. The magnetic oxide so produced is available for filtering water, sewage, sugar syrups, alcoholic liquors, etc.—Engineering and Mining Journal.

There are several ways for extracting zinc from plumbers solder, but the simplest, and which can be done by any plumber, is as follows: Put the pot of solder on the fire and let it remain until the solder is just melted; take it off the fire and stir it about until it has cooled and may be compared to wet sand. When in this condition thoroughly well stir in a handful of powdered sulphur. After well mixing the sulphur and solder, replace the pot on the fire and let it remain undisturbed until the solder is about the heat necessary for making a joint. Then take the pot off the fire and with two large wall hooks, putting the heads under the edges, carefully lift off the cake of sulphur, dig a hole and bury it, so that it may not by any means get into the pot again. As the solder melts, the sulphur rises to the surface in combination with the zinc. Do not by any means attempt to stir the solder after replacing it on the fire, or the time spent over the matter will be wasted and the zinc not extracted. If the solder is good before being poisoned with zinc, it will be good after the above process is carried out. It is difficult for a plumber to tell solder poisoned with zinc without attempting to make a joint with it. When making a joint and a heat cannot easily be kept up, the solder is either too coarse or has zinc in it. If the latter, little bright lumps show themselves in the solder, especially on the side where the joint is finished off.—Plumber and Decorator, London.

The death is announced on the 14th inst., of Mr. James Durand, of London, Ont., in his 63rd year. He was for 30 years a member of the firm of Wright & Durand, by whom many of the prominent structures of the western cities of Ontario have been erected.