

meeting held on Monday last, decided to ask the Council to issue debentures for \$150,000 for the construction of permanent pavements.—Mr. W. A. Edwards, architect, has prepared plans for a stone church to be erected by the United Brethren of Sheffield village.

MONTREAL, QUE.—A C Hutchison, architect, is preparing plans for a school building at Cote St. Antoine, a grand stand to be built on the Shamrock Lacrosse Club's new grounds, and for several residences.—Plans are being prepared by A. Raza, architect, for the new St. Bridget's school. The building will contain 18 class rooms, a large hall, and a residence for the Christian Brothers, and will cost about \$65,000.—Vincent Lacombe, architect, is preparing plans for a residence to be erected on Plessis street for Mr. F. Martineau.—L. R. Montbriant, architect, is preparing plans for a block of stores and dwellings to be erected on the corner of St. Catherine and Darling streets for Mr. Darling, the front to be of pressed brick.—Mr. St. George has had plans prepared for the Atwater avenue boulevard scheme, showing the proposed avenue from the Lower Lachine road to the continuation of Pine avenue in the west end. In connection with the scheme, the Government will be asked to build a bridge across the canal.—The scheme to aid the Canadian Pacific Railway in rebuilding the Dalhousie Square station so that it may face on Craig street instead of Notre Dame street, has been finally adopted by the City Council. The building is to cost \$350,000. The city will build a high level bridge from Berri to Lacroix streets, at a cost of \$100,000. By the terms of the agreement level crossings are to be abolished, and it is expected that \$300,000 will be expended on work in connection therewith.—Tenders are invited by Mr. P. W. St. George, City Surveyor, until Wednesday, the 11th inst., for the construction of drains in the different wards during the present year.—The question of establishing a contagious diseases hospital will shortly be brought up in Council. The sum of \$150,000 will be required.—It is thought that the Mountain street bridge will be built across the Grand Trunk railway track at an early date. With regard to the other bridges the Grand Trunk authorities will interview the directors in England before taking any action. The Montreal Homoeopathic Association is considering plans for the remodelling of their buildings at 44 McGill College avenue. It is proposed to pull down the outbuilding and erect a wing suitable for a small hospital, at a cost of about \$5000.—The sum of \$20,000 has been subscribed towards the \$55,000 required for the remodelling of the Montreal General hospital.—Mr. L. R. Montbriant, architect, is preparing plans for a large building at Mile End to be used as a cigar factory for Mr. G. Villeneuve. Tenders will be invited about the 18th inst.

TORONTO, ONT.—Plans are being prepared by Mr. H. G. Paull, architect, for the remodelling of the basement of the Salvation Army temple on Albert street. The seats are to be arranged in quadruple shape, with the platform in the centre. The basement is to be excavated so as to allow of the seats dipping to the centre about 5 feet. Tenders for the work will be called shortly.—Mr. R. Brown has purchased a lot on Ben Lamond avenue, East Toronto, and intends erecting thereon a new brick residence.—At a recent meeting of the village council of East Toronto, it was agreed to grant the right of way through the village of Little York to the Toronto and Scarborough Electric Railway, the company to construct an overhead bridge over the G. T. R. tracks at Morton road.—The Canada Life Assurance Company, King street west, are considering the question of putting in an electric light plant to light their building.—Mr. Morgan Baldwin, Harbor Master, invites tenders until Monday, the 9th inst., for dredging in the western channel and at the wharves and slips in the harbor.—The contract with the Toronto

Electric Light Company for lighting the city expires in October, 1895, and the City Council is considering the question of owning and operating its own electric light plant. The City Engineer has been instructed to report on the cost.—It is said that capitalists are interesting themselves in the scheme for the erection of a palatial hotel, and should the old Upper Canada College grounds be set apart for park purposes, the project is likely to be carried out. The site spoken of is that now occupied by the Arlington Hotel and by private residences from that building to the corner of Adelaide street.—Mr. E. R. Babbington, architect, is preparing plans for five houses on Farley avenue for Mr. W. H. Compton.—Mr. L. B. Jarvis, architect, has prepared plans for twelve houses on the Island for Mr. Edward Hanlan.—At the meeting of the Board of Works on Monday last, the report of the City Engineer on the widening of the Queen street subway was presented. It was decided to adopt the plan for widening the subway from street line to street line, diverting Dufferin street to the east, and thence into the subway, at a cost of \$141,000. The construction of a Trinidad asphalt pavement with stone kerbing on each side of Parliament street, from Queen street to Gerrard street, at a cost of \$25,400, and the macadamizing of Jarvis street, from Queen to Esplanade st., and Simcoe street, from King to Front streets, at a cost of \$11,600 and \$5,100 respectively, is recommended by the engineer.—Building permits have been granted as follows: Thos. Taylor, River street, bk. additions to Copelands brewery, Parliament street, cost \$3,000; Chas. Powell, 44 Wellington Place, r. c. addition and alterations to dwellings, 69 to 73 Agnes street, cost \$2,500; Mrs. McKee, additions and alterations to dwelling, 601 Parliament st., cost \$1,700; W. J. McMurry, 41 McCaul st., alterations to dwelling, 184 John st., cost \$1,000.—Mr. F. H. Herbert, architect, has prepared plans for two pair of semi-detached residences on Salisbury avenue for Mr. W. N. Eastwood. He is also preparing plans for alterations and additions to a house on Lowther avenue, tenders for which will be asked shortly.

FIRES.

J. Cook's saw mill, planing mill, and sash and door factory at Zephyr, Ont., were consumed by fire on Friday of last week. Loss, \$10,000; no insurance.—The residence of J. McIntosh, at Virden, Man., was burned recently.—Fire destroyed F. Morrison's residence at Mount Elgin, Ont., on the 30th March. The contents only were insured.—A large brick block at Smith's Falls, Ont., owned by A. E. Mills, was destroyed by fire last week. Loss, \$5,000; insurance, \$3,000.—The woollen mill at Bridgewater, Ont., valued at \$5,000, was consumed by fire on the 31st inst.; small insurance.—Asselstine's jewelry store at Calgary, N. W. T., was destroyed by fire recently. Loss, \$2,000.—George Bull's grist mill at St. Albert, N. W. T., was burned on the 27th ultimo. Loss, \$10,000; no insurance.

CONTRACTS AWARDED.

INGERSOLL, ONT.—The Guelich Silica Barytic Stone Co., of this place, have received large contracts for sidewalk pavements in Ridgeway.

AMHERSTBURG, ONT.—The contract for eight stained glass windows for the R. C. church here has been awarded to the Hobbs Manufacturing Co., of London, at the price of \$545.

SHERBROOKE, QUE.—Messrs. D. G. Loomis & Sons, have secured the contract for some 14 miles of the Lotbiniere Railway, which connects with the G. T. R. at Luster Station. Mr. John T. Morkill, of this city, is engineer of the road.

OTTAWA, ONT.—The City Council have awarded tenders for supplies as follows: Oils, Butterworth & Co., \$71.70; lead pipe, McKinley & Northwood, \$1,102.50; stop cocks, McDougal & Cuzner, \$379; hydrants, Law Bros., \$737;

cast iron pipe, McRae & Co., \$2,616.79.—The Oblat Fathers of the University of Ottawa have awarded the contract to Mr. Bourque for the erection of a seminary building on Theodore street near the Sacred Heart Church. The building will be 200x400 feet, four stories high, and will cost \$75,000. It is estimated that 500,000 bricks and 500 toise of masonry will be required.

LONDON, ONT.—The following tenders were received by the Water Commissioners for the construction of an addition to the pumping house at Springbank; masonry, Moran & Ridge, \$11,820; Simpson Murray, \$15,871; Ed. Martyn, \$10,895; John Hayman, \$10,573; Geo. F. Blake Mfg. Co., per Wm. Yates, agent, \$8,750; carpenter work, John Shopland, \$2,450; J. Purdom, \$2,320; painting and glazing, E. Winder, \$138; A. H. Cook, \$175; H. & T. Colerick, \$107; Geo. Burdick, \$140. Contracts were awarded as follows: masonry, Geo. F. Blake Mfg. Co.; carpentering, J. Purdom; painting, H. & T. Colerick.

TORONTO, ONT.—The contract for six new boilers for the Toronto Railway Company's power house has been awarded to the Polson Iron Works, of this city. The boilers will be 400 h. p., 9 ft. 9 inches in diameter, and 14 feet long. The contract price is in the neighborhood of \$25,000.—The Board of Works have awarded the contract for dredging slips to Messrs. Shields & Robinson, at \$6.99 per hour.—The following tenders have been accepted by the Separate School Board for additions to St. Francis school: masonry, J. McGlue; carpentry, J. Hanrahan; slating, W. T. Stewart; plastering, T. G. Beaver; painting and glazing, Dill & O'Hearn; tinsmithing, J. P. O'Hearn.

MONTREAL, QUE.—H. Austin Jones, architect, has let the following contracts in connection with a stable on Sherbrooke street: excavation, drainage, masonry and cut stone work, Jos. Laverdeau; brickwork, concrete and vitrified floors, Jos. Beland.—Messrs. Fowler & Gardner, architects, have let contracts as follows for stables on Drummond street for Dr. E. M. Robb: masonry, Mr. Dufort; brickwork, P. Wand; carpentering, Forde & Casey.—Dunlop & Heriot, architects, have let the following contracts: Two houses for Dr. F. W. Campbell, corner of Sherbrooke and Crescent streets—masonry, P. Lyall & Sons; brickwork, P. Wand; carpentering, Simson & Peel; plastering, John McLean; plumbing, W. Houghton; roofing, Montreal Roofing Co.; painting, Geo. S. Kimber. House on Mountain street for Mr. S. Carsley—masonry, Wm. Oman; brickwork, Amos. Cowan; carpentering, R. Sharp; plastering, J. Morrison & Son; roofing, Montreal Roofing Co.; painting, Geo. Blackwell.—A. C. Hutchison, architect, has let contracts as follows: Two houses on Upper Peel st. for W. Denoon: masonry, P. Lyall & Son; carpentering, Forde & Casey; plastering, T. Phillips; painting, H. Gauthier; plumbing, heating and roofing, Drapeau & Savignac; steel work, R. Donalds & Son. Riverside School, Point St. Charles—masonry, J. H. Hutchison; brickwork, A. Wand; plastering, W. J. Cook; painting, R. H. Bartholomew; plumbing, Garth & Co.; carpentering, A. J. Kneeland; heating and ventilation, Smead Dowd Co.; iron work, Dominion Bridge Co. Two residences on Ontario street, one for L. Lewis and the other for T. Tat—masonry, P. Lyall & Sons; brickwork, A. Cowan; carpentering, R. Sharp; plastering, T. Phillips; plumbing and heating, Garth & Co.; painting, Castle & Son; roofing, Montreal Roofing Co.; steel work, Dominion Bridge Co.—The City Council has decided that Mr. Thackery be awarded the contract for the erection of an incinerator.

NEW COMPANIES.

TORONTO, ONT.—St. Lawrence Hall Hotel Co., granted provincial charter; capital stock, \$20,000.

COLLINGWOOD, ONT.—Collingwood Meat Company, seeking incorporation;

capital stock, \$300,000; incorporators, Thomas Long, of Toronto, F. F. Telfer, R. T. Stephens, and others of Collingwood.

MONTREAL, QUE.—Packard Electric Company, seeking incorporation; capital stock, \$300,000; incorporators, Messrs. Packard Bros., of Warren, Ohio, Howry Bros., of Saginaw, Mich., A. Mackenzie, barrister, of Toronto, and others.

BUSINESS NOTES.

Gagnon & Prudhomme, contractors, St. Henri, Que., have dissolved.

A. & N. Lavou, carpenters, St. Henri, Que., have dissolved partnership.

Audy & Audy, carpenters and joiners, of Montreal, have dissolved partnership.

Messrs. Francis Hyde & Co., sewer pipe, etc., have dissolved, and Mr. Peter Layall, contractor, has registered under the same style.

MUNICIPAL DEPARTMENT.

The direction of air currents in sewers was briefly discussed by Alan Macdougall, M. Inst. C. E., of Toronto, in a paper on small sewerage systems read recently before the Association of Executive Health Officers of Ontario. He referred particularly to some observations on a 15-inch pipe sewer half a mile long, to which four houses were connected. It discharged into a large oval sewer a mile in length, and when first constructed had only one house connected to it. The observations in winter were taken when the thermometer ranged from 32 degrees to—32 degrees; at—10 degrees the lowest reading in the pipe sewer was 32 degrees, and no ice was ever observed in it. In the larger sewer, 6½ feet in diameter, with no house connections, and at the time of the first observations with no side sewers, one reading of 31 degrees was taken with the outside air at—12 degrees; otherwise 32 degrees was the lowest registered. Numerous readings were taken in this sewer during six winters after several side sewers had been connected with it, and no reading obtained under 32 degrees. This large sewer was opened at both ends for many years, being a trunk sewer; it carried considerable surface water from a creek, and no ice was found in it at any place but for a few feet at the open mouth at the upper end.

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