

to each other, and a waterworks plant constructed.

QUEBEC, QUE.—It is proposed to erect a monument to the founder of Quebec, Samuel de Champlain.—A large deputation interviewed the Dominion Government, last week, to ask for a subsidy for bridges on the Lake St. John Railway, between Chambord and Chicoutimi, and for 88 miles of the Great Northern Railway yet to be constructed.

BELLEVILLE, ONT.—The County Council has decided to rebuild Wyman's bridge, at a cost of \$15,000, and Gordon's bridge. Mr. English is Chairman of the Roads and Bridges Committee.—The City Council has granted a franchise to Messrs. S. E. Legier & Sons to build and operate an electric railway on the streets of this city. The work will be begun at once.

HALIFAX, N. S.—Mr. A. N. Whitman has purchased a large lot on Pleasant st., on which he will erect a new residence.—Mr. R. J. Wilson, Secretary School Commissioners, will receive tenders until Monday, the 2nd of July, for the following works: The erection of an addition to the bloomfield school, from plans to be seen at the office of Mr. H. S. Tremaine, architect, Queen Building, and for erecting a class room in the lower story of the Yonge street school from plans prepared by Mr. Henry Busch, architect, 60 Bedford Row.

LONDON, ONT.—Mr. John M. Moore, Superintendent of Waterworks, will receive tenders until the 28th inst. for erecting a brick coal shed and workshop at Springbank.—Building permits have been issued at the City Engineer's office as follows: Judge E. Elliott, two-story brick residence on Wellington street; Mrs. Carrie E. Graham, double brick residence on Waterloo street between Hyman and Pall mall streets, cost \$3,000.

HAMILTON, ONT.—Interest in the project for the erection of a University for women in this city has again been revived. The Government will be asked to grant financial assistance.—The by-laws authorizing the City Council to issue debentures for \$150,000 for paving King and James streets with Trinidad asphalt, and for \$20,000 for a House of Refuge, were carried by the ratepayers on the 20th inst. The paving work will be proceeded with at once.—We understand that Mr. A. W. Peene, architect, has been commissioned to prepare plans for the proposed new opera house to be erected in this city by a company in which Mr. O. E. Konkle is interested.—Building permits have been granted as follows: Louis E. Chagnon, one two-story brick dwelling on Wentworth street, between Cannon and Barton streets, cost \$1,200; James Anderson, two-story brick dwelling on Maria street, between John and Hughson streets, cost \$2,000; M. Brennen estate, twelve two-story brick dwellings, southeast corner Cannon and Mary streets, cost \$12,000; O. E. Konkle, five two-story brick dwellings, northwest corner of John and Gore streets, cost \$9,000.

TORONTO, ONT.—Mr. A. R. Williams, machinery dealer, Esplanade street, contemplates the erection of a new warehouse, and is receiving quotations for the stone, lime, brick, lumber and dimension timber.—Mr. J. McDougall, Engineer for County of York, has taken measurements for the new bridge over the Highland Creek. It is likely that a stone arch bridge will be built.—Tenders are invited by the Public School Board until noon tomorrow (Friday) for desks and seats required during the present year. W. C. Wilkinson, Sec.-Treasurer.—The Parks and Gardens Committee will probably request the City Council to issue debentures for \$25,000 for improvements to Island Park, such as filling in the lagoons and deepening the channels leading to the wharves.—The City Engineer has been instructed to report on the cost of surveys and borings for a water supply by gravitation from Lake Simcoe.—The City Engineer in his report presented to the Board of Works on Monday last, recommended the construction of a waterworks system

for the Island, at a cost of \$15,000. The recommendation was approved of by the Board, and the work will in all probability be carried out. The engineer also recommended the construction of a sewer on Station street, an eleven foot cement sidewalk on both sides of same street, and a 43 foot asphalt pavement with scoria blocks or granite sets. The total cost of these works is estimated at \$16,581.—Building permits have been granted as follows: John Catto & Son, alterations and additions to stores, 57-61 King st. east, cost \$15,000; J. Moerschfelder, two-story and attic bk. dwelling, 24 South Drive, Rosedale, cost \$4,500.

MONTREAL, QUE.—The City Council is asked to make a grant of \$40,000 a year for twenty years for the construction of a bridge across the St. Lawrence river from a point in St. Mary's ward. The bridge is estimated to cost \$5,000,000. The promoters of the scheme are Messrs. H. Hogan, Hon. J. R. Thibault, A. F. Gault and Robert Watson.—Messrs. H. Joseph & Co. have purchased the property at the south-east corner of Notre Dame and Seigneurs streets and contemplate the erection of a fine new building thereon. The Merchants Bank of Halifax has secured the property on the southwest corner of these streets and will also erect a building for use as a branch office.—A sub-committee appointed to report on the advisability of extending the dyke along that portion of Verdun about to be annexed, has reported in favor of the work. Estimated cost, \$40,000.—Mr. C. St. Jean, architect, is calling for tenders for a three storey stone front house to be erected on Montana street for Mr. Latourelle.—Building permits have been granted as follows: L. Rivet, 2½ storey tenement building on Beaudry st., cor. Lagachetiere st., cost \$1,500; Andre Lapiere, two stone front three storey tenement buildings on St. James st., near Fulford st., cost \$7,500; E. Berthiaume 2 storey tenement brick building on Montana st., cost \$1,700; Archbishop of Montreal, two storey brick annex to his palace on Cathedral st., cost \$8,000; Charles Tafard, three storey tenement stone front building on Dorchester street, cost \$4,000; P. Pellerin, alteration to two storey brick building on De Salaberry st., P. Pellerin, 2½ storey tenement brick building on De Salaberry st., cost \$1,700; Isaac Collins, two storey tenement brick building on Ash avenue, cost \$2,000; M. Sallaz, alteration to two storey building on Bourgeois st.—A meeting of the directors of the Atlantic and Lake Superior Railway Company was held in this city a few days ago, at which Hon. J. R. Thibault was elected president. Arrangements are being made for the active construction of the line as soon as the bill before Parliament is passed, and it is expected work will be commenced on several sections of the line this year.—Tenders will be received at Messrs. Perrault & Lesage's office this week for all trades required in the erection of a Bank building and two stores and dwellings on Notre Dame street, corner Mountain street for Mrs. Jos. Theoret. The Bank building to be occupied by a branch of the Hochelaga Bank. The same architects will ask tenders next week for two stores and dwellings on Notre Dame street, for Mr. James Kelly, and one store and dwelling for Mr. D. Gallery, Notre Dame street.

FIRES.

The flour mills of W. B. McAllister & Son, at Pembroke, Ont., were badly damaged by fire last week, one wing of the building being completely destroyed. The loss is partially covered by an insurance of \$5,250.—The residence of Charles Patry, Hull, Que., was totally consumed by fire recently. Loss, \$3,000.—Knox church, Colville, Ont., has been destroyed by fire.—Col. Forester's large hotel and store at Sicamous, B. C., was destroyed by fire last week. Loss \$30,000; insurance, \$13,500.—Fire at Indian Head, N. W. T., on the 25th inst. destroyed the Assiniboine hotel, Orchard's drug store, Lee's butcher shop, Thomp-

son's implement warehouse and Bell's hardware store. Total loss, \$10,000.—J. R. Booth's large saw mill on the Chaudiere river, near Ottawa, was totally consumed by fire on Tuesday last. The mill and machinery were valued at \$200,000. Loss partially covered by insurance.

CONTRACTS AWARDED.

HESPELER, ONT.—The County Council has accepted the tender of the Hamilton Bridge Co. for a new bridge at this place, to consist of 3 spans, each about 40 feet long. Plans were prepared by Mr. H. J. Bowman, C. E., of Berlin.

PORTAGE LA PRAIRIE, MAN.—The contract for the erection of the new court house has been awarded to Mr. T. M. Beamish, of Brandon. Contract price, \$23,544.—The contract for a new ward school has been let to Messrs. Gray & McCaig, at \$7,787. Mr. George Browne, Winnipeg, architect.

MONTREAL, QUE.—The Market Committee has awarded the contract for rebuilding St. Antoine market to Mr. A. Chartrand, at the price of \$8,870. The plans were prepared by Messrs. Perrault & Mann.—Mr. C. E. Fournier, architect, has awarded contracts for a two story brick house on Mitcheson ave., for Mme. J. A. Denis, as follows: masonry, Elie Gauthier; brickwork, Mr. Rochon; carpenter and joiner's work, A. Amyot; other trades not let.—Mr. W. McLea Walbank, architect, has awarded contracts for two three-storey stone front stores and dwellings on Notre Dame street west for Mrs. Reineger as follows: masonry, Louis Hughes; brickwork, T. W. Peel; carpenter's and joiner's work, W. Swan.—Messrs. Perrault & Lesage, architects, have awarded contracts for two three storey stone front stores and dwellings on Notre Dame street west, for Mr. John Kane as follows: masonry, H. Dufort; steel work, Dominion Bridge Co.

NEW COMPANIES.

PICTOU, N. S.—Cairo Polish Co.; seeking incorporation; capital, \$12,000; to manufacture brick, tiles, pipes, paints, etc.

HAMILTON, ONT.—Young & Brother Co., seeking incorporation; capital \$150,000; to manufacture plumbers and steam fitters' supplies, lamp goods, etc.

MONTREAL, QUE.—North American Construction Company, seeking incorporation; capital stock, \$100,000; to deal in materials for pavements, roadways, buildings, etc., and to construct public and private works of all descriptions; first directors, N. Connolly, M. Connolly, James Swift, J. F. Coleman, and R. A. Dickson.

MUNICIPAL DEPARTMENT.

A SEWER ON PILES.

Owing to the soft mud great difficulty was found in building the new sewer which is to occupy the Aramingo Canal from the river to Huntingdon Street, Philadelphia. After considering other devices the plan was hit upon of using an extensive system of piling.

Great yellow pine timbers, twelve inches square, are to be driven to solid bottom, three feet apart. Transversely in these will rest yellow pine planks, 8x8 inches. Broken stone will be filled in two feet deep around the heads of the piles to brace them. On the transverse timbers is a plank flooring, six inches thick, and above this the sewer is built, secured at the bottom by a bed of heavy stones laid in concrete. The main sewer will be nine feet six inches in diameter. Below York Street there will be twin sewers, each eight feet in diameter.

The construction of the canal sewer necessitates the entire reconstruction of the ten-foot sewer on Huntingdon Street as far westward as Sepviva Street, in order to secure the proper slope for drainage. The work will cost nearly \$1,500,000, and will be completed under favorable conditions in about a year.

A NEW GULLY CLEANER.

A new machine for this purpose, invented by Mr. Pearson, the city hall engineer, Montreal, consists of an air-tight iron tank and an air-pump. The latter is operated by the revolution of the wheels of the carriage, and creates a vacuum in the tank, while the vehicle proceeds from one point to another. When the gully is reached a rubber hose is dropped down into it and the atmospheric pressure immediately forces the slush into the tank. Anything weighing less than 14 pounds to the square inch is pumped up. The new invention executes in a very neat manner what has heretofore been a long dirty job. Those who have operated the machine now being tested says that it has done all that was claimed for it.

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