

and tenders are being called for 40,000 good veneering bricks and 25 tons of heavy foundation stone for use in its erection.

**WATFORD, ONT.**—A vote will be taken on the 22nd of June to raise the sum of \$1,100 for sewerage purposes.

**NAPANEE, ONT.**—The by-law granting \$5,000 towards finishing the new swing bridge was carried by the ratepayers.

**MOUNT FOREST, ONT.**—A. Richie, architect, is asking for tenders until the 12th inst. for alterations to the public school.

**ARRPRIOR, ONT.**—Mr. Cole has purchased a piece of land at Marshall's Bay, and intends erecting a handsome summer residence.

**PRESTON, ONT.**—Tenders are asked until the 15th inst. for building a drain from corner of Princess and William streets to Bishop street.

**REGINA, N. W. T.**—Tenders will be received until the 10th of June for the erection of a brick church. Plans and specifications at the office of Henry LeJeune, treasurer.

**ST. JOHN, N. B.**—A new residence will be erected on Moore street, near the Holy Trinity church, for the pastor. Rev. J. J. Walsh work will be begun at once.—Messrs. Amland Bros. will have a new building erected for them on Waterloo street near Union.

**STRATFORD, ONT.**—David G. Baxter, architect, is preparing plans for a red brick cottage for Mr. John Way, to be built on Brunswick street in this city, to cost \$2,500. Hot air heating, plumbing, leaded glass, mantels, etc. Tenders will be awarded about the 7th of June.

**LANSLOWNE, ONT.**—Plans are being prepared by G. A. Allan, architect, Brockville, for a cottage to be erected by T. J. Darling, on his Island in the St. Lawrence river opposite this place which he lately purchased from the Dominion Government. The cost of the same will be upwards of \$15,000.

**KINGSTON, ONT.**—Mr. Arthur Ellis, architect, 81 Brook street, is asking for tenders until Saturday next for the erection of a surgery and alterations to a residence, corner of John and Wellington streets, for Dr. Isaac Wood.—Rev. Mr. Houston has purchased a lot on the corner of Johnson and Sydenham streets, and will erect a residence thereon.

**FREDRICKTON, N. B.**—Debentures will be issued to the amount of \$6,000 for the purpose of purchasing an electric light plant.—It is proposed to build an electric railway from this city to Marysville, a distance of about five miles across the river, which will be crossed by the construction of a steel bridge. It is said that Americans are interested in the project.

**WINNIPEG, MAN.**—Mr. McCowan, architect, has been instructed to prepare plans for a residence to be erected at Pilot Mound by Mr. W. Murdoch, editor of the Pilot Mound Sentinel.—The Council will receive tenders until the 6th inst. for the construction of sewers, also for the supply of pipe required to carry out the work.—New tenders will be asked for the supply of lumber.

**BROCKVILLE, ONT.**—Plans are being prepared by G. A. Allan, architect, for alterations to a house on the corner of James and Wall streets, for Mr. Newton Cossitt; also for alterations to a house on Market street, for Col. Cole, County Registrar and alterations and additions to a house on James street, for E. Buckman, Deputy U. S. Consul.—It is said Mr. Newton Cossitt intends erecting a large roller flour mill.

**OTTAWA, ONT.**—The City Council has given notice of its intention to construct sewers on a number of streets, also a number of plank and other sidewalks. A Court of Revision will be held on the 7th inst. for the purpose of hearing complaints against the assessment for the cost of the same.—Mr. B. B. Rogers, superintendent of Trent navigation, is preparing plans for the department for the new Narrows bridge. The new structure will be of steel, with piers and abutments of masonry. The swing will be two spans of 45 feet each. The whole bridge, including piers, swing, and approaches, will be about 300 feet.

**LONDON, ONT.**—Moore & Henry, architects, are asking for tenders until the 10th inst. for the erection of a brick residence in Queen's Park, for Mr. C. W. Leonard.—The above named architects will supervise the erection of the new power house to be built by the Canadian General Electric Co., the contracts for which will be awarded at an early date.—Ald. Parnell proposes erecting a new residence on the site of his present one.—The City Engineer has granted the following building permits: Geo. C. Gibbons, brick addition to his residence, corner of Dufferin Ave. and Wellington street, cost \$3,000.—Mr. Chas. Pugh, 487 Ontario street, brick veneer cottage, cost \$1,000.—Tenders will be received at the office of Moore & Henry, architects, until the 5th inst. for the construction of about 130 rods of wire fencing around the waterworks property at Springbank.

**HAMILTON, ONT.**—The Hamilton Radial Electric Railway Company is advertising for 1,600 forty-foot cedar poles to be used in stringing wires between here and Niagara Falls. The work of construction will be commenced in a few days.—William Stewart & Son, architects, invite tenders until Monday the 5th inst., for tearing down and reconstruction of stone warehouses on King William street, for Messrs. Wood, Val-

lance & Co.—Tenders are invited by Thos. Heasley, City Clerk until Saturday next for the erection of a residence on John street north. Plans may be seen at the office of L. Hills, architect, 60 King street west.—Building permits have been granted as follows: R. G. Olmsted, two two story brick dwelling, on Bold street, between Carolina and Bay streets, cost \$4,500; Wm. Angus, two story brick dwelling on Hess street, between Peter and Napier streets, cost \$1,500; J. H. Larkin, four two story brick houses, corner Bay and Simcoe streets, cost \$5,400, also two two story brick houses and two two-story brick veneer houses on Ferris street, near Bay street, cost \$4,000.—The City Council having refused to grant the sum of \$12,000 for the purchase of a site for a new Collegiate Institute, the Board of Education has decided to submit a by-law to the ratepayers authorizing the purchase of the same and the erection of a new building.—A syndicate has been formed to carry out the mountain drive project proposed by Mr. Beckett, and Mr. Bell is now making a survey of the proposed route. The contracts will be let in a few days.

**TORONTO, ONT.**—The branch of the works of the James Morrison Brass Co., which was destroyed by fire some time ago, will be rebuilt this fall.—The City Engineer has recommended the construction of cedar block pavements on the following streets: Olive avenue, from Bathurst to Palmerston, cost \$1,600; Northumberland street, from Ossington avenue to Preston avenue, cost \$690; Victoria crescent, Dunn avenue to Jameson avenue, cost \$3,250; Bleeker street, Wellesley to Howard, cost \$2,570; a macadamized pavement is recommended on Pine Hill road, cost \$900.—Tenders are wanted for alterations to three houses. Plans at office of Cobban Mfg. Co.—The Board of Health will ask the City Council for an appropriation of \$6,500 to complete the furnishing of the Isolation Hospital.—The City Engineer will ask the City Council for an appropriation of \$39,000 for the purpose of rebuilding the Strachan avenue and Arthur street bridges.—It is understood to be the intention of the Imperial Bank to proceed at once with the erection of a new building adjoining their present premises on Wellington street east, from the plans of Messrs. Darling, Sprout & Pearson, architects.—Building permits have been granted as follows: James Robertson & Co., three-story brick addition and alterations to factory on King street west, cost \$14,000; Macfarlane Shade Co., additions to factory, Liberty street, cost \$4,500; Dr. Emery, pair semi-detached two-story and attic brick houses, north side Carlton street near Yonge street, cost \$8,000; H. Woodrow, small brick office, 804 Queen street west, cost \$200; Alex. Manning, 1-story warehouse, 67 Wellington street west, cost \$4,500; C. S. Rathbone, Close avenue, 2-story and attic brick dwelling, east side Close avenue near King street, cost \$5,000; Patrick Tracey, 194 St. Helen's avenue, detached 2-story brick dwelling, west side St. Helen's street, cost \$1,700; J. Blackwell, 105 Walker avenue, detached 2-story and attic brick dwelling, south side Roxborough street, cost \$7,500; W. H. Findlay, detached 2-story and attic brick dwelling, 15 D'Arcy street, cost \$2,200; H. J. Watson, 111 Bloor street west, detached 2-story and attic brick dwelling, east side St. George street, south of Bernard avenue, cost \$5,000.

**MONTREAL, QUE.**—Tenders have been asked for the construction of the Brock street tunnel.—Tenders have been invited and contracts will be awarded in a day or two for the construction of sewers on the following streets: St. Christopher street, from north of Dorchester street to St. Catherine street; Cadieux street from Ontario street to Sherbrooke street, St. Catherine street from Darling street westward about 50 yards, St. Catherine street, from Desery street to Moreau street, St. Paul street, from Duke street to Inspector street; Fortier street, from St. Dominique to Cadieux street, Inspector street, from St. Antoine street to Lagachetiere street, St. Jean Baptiste street, from St. Paul street to Notre Dame street; Jurors street, from Bleury street to St. George street, Latour street, from west of Busby lane to St. Genevieve street; Mount St. Mary avenue, from St. Antoine street to Argyle avenue; Mansfield street, from Dorchester street to St. Catherine street, La Place Royale (Custom House square), east side from Commissioners street to St. Paul street, Sherbrooke street, from Guy street to Fort street.—New tenders are asked by Vte de la Barthe, 1685 Notre Dame street, until the 5th inst. for the construction of the Maisonneuve monument, the successful tenderer, Mr. Reid, finding himself unable to carry out his contract. Tenderers are to furnish a specimen of the granite to be used. Plans may be seen at the office of Perrault, Mesnard & Venne, architects.—The Finance Committee of the City Council held a meeting on Friday last to consider the question of permanent pavements. Owing to the funds at the disposal of the Committee a number of the streets were left over for the present. The following is the list approved: Sherbrooke street west, cost \$15,000; St. Catherine west, \$25,000; Union avenue, \$20,000; Bleury street, \$50,000; St. Etienne, \$25,000; Centre, \$25,000; McCord, \$25,000; Common, \$25,000; Murray, \$20,000; Sherbrooke, east, \$15,000; St. Catherine, east, \$20,000; St. Denis, \$84,000; Beaudry, \$15,000; St. Louis square, \$5,000; Dubord street, \$20,000; Viger place, \$9,000; Dorchester street, \$15,000; St. Lawrence \$22,600; Notre Dame, east, \$20,000.—The municipality of St. Louis du Mile

End is discussing the advisability of negotiating a loan of \$100,000.—R. Lindsay, architect, is preparing plans for a cut stone front residence for Mr. Geo. Wait, to be erected on Mountain st.—G. L. Hammond, architect, is calling for tenders for a power and boiler house for the Montreal Street Railway Company.—Plans prepared by Messrs. Permult & Mesnard, architects, have been accepted for a new building for the Laval University, and the work will be commenced this year.—David R. Brown, architect, is calling for tenders for erecting a new Presbyterian church at Hochelaga.—H. Austin Jones, architect, is calling for tenders for a grand stand and club house for the Shamrock Amateur Athletic Association.

## FIRES.

The Pidgeon Fertilizer works at Windsor, N. S. were totally destroyed by fire recently. The property was well insured.—Balls saw mills at Ormsby, Ont., have been destroyed by fire. Loss \$5,000; partially insured.—The residence of James Cinnamon, situated on Celina street, Oshawa, was burned last week, together with all its contents. The house was insured.—The saw mill situated on the north side of the harbor at Port Elgin, Ont., belonging to Mr. P. Wagner, was totally destroyed by fire on the 26th ultimo. The loss will be heavy, as a large amount of new machinery had just been placed in; insurance \$1,000.—The Commercial hotel, at Oterville, Ont., owned by Adam Jones, and occupied by Lot Stroke, was burned to the ground last week. The building was insured for \$1,000.—Slavenwhite Bros. new saw mills at St. Margret's bay, Halifax county, N. S. with all the machinery and a quantity of finished lumber have been entirely destroyed by fire. No insurance.—The residence of W. C. Croker, on Front street, Sarnia, was almost completely destroyed by fire on the 26th inst. Loss, \$2,000. The building and contents were partially insured.—The premises of the Burlington Manufacturing Co., situated at Burlington, Ont., were consumed by fire on the 29th ultimo. Loss \$25,000; Insurance \$7,000.—Mr. D. J. Stone's general store at Ridgeville, Ont., was burned on Tuesday last. The loss is partially covered by insurance. The engine room of Messrs. Johnson & Blakeley's cheese factory situated at Cherry Valley, Ont., was consumed by fire on the 30th ultimo. The factory was valued at \$2,000 and was insured for \$1,200.

## CONTRACTS AWARDED.

**HALIFAX, N. S.**—Messrs. Rhodes, Curry & Co., of Amherst, N. S., have the contract for finishing the interior of the monastery of the Good Shepherd in this city, at a cost of \$10,500.

**PARKHILL, ONT.**—The contract for the erection of the new town hall has been let, the masonry to Messrs. Campbell & Tuck at \$3095, and the wood work to Mr. Gibson, of Lucan, at \$2047.

**FOREST, ONT.**—The contract for the brick work of McCahill & Co.'s new mill has been let to D. Paxman. The new building will be solid brick, with flat roof, and will be built on the old foundation.

**KINGSTON, ONT.**—The following are the successful contractors for additions to two houses on Bagot street for L. B. Spencer: mason, Alex. Newlands; carpenter, Enoch Burtch; painter, etc., Savage Bros.

**BROCKVILLE, ONT.**—The tender of Elliott Bros., of Kingston, has been accepted by G. A. Allan, architect, for the heating, plumbing and gas-fitting of a house on King street for Robert Bowie.—Messrs. Morrison & Ross have secured the contract for the plumbing and gas-fitting of two houses on Pearl street for Newton Cossitt.

**OWEN SOUND, ONT.**—Messrs. Maitland, Rixon & Co., mill owners, of this town, have received a contract to supply Messrs. H. Ryan & Co., contractors for the Canadian canal at Sault Ste. Marie, Ont., with one million feet of square hemlock timber, to be used in constructing crib-work for the Lake Superior entrance to the canal.

**TORONTO, ONT.**—Messrs. McColl Bros. have been awarded the contract for the supply of oils for the main pumping station, at 35 cents per gallon.—The tender of William Jones for the construction of a sewer on Wallace avenue, at the price of \$2,512, has been accepted by the Board of Works.—The contract for boring two wells at the waterworks wharf and Hamlan's Point has been given to William Sharp, at the price of \$258 and \$480.

**WINNIPEG, MAN.**—The contract for the erection of W. J. Watson's new residence on the corner of Broadway and Colony streets has been let to D. D. Wood at the price of \$5,000.—The contracts for the erection of a large residence for W. A. Black, in the southern part of the city, have been let to P. Burnett for the masonry, excavating, brickwork and plastering, and to Bruce & Madder for the woodwork. The total cost will be about \$6,650. The building will be built of solid brick with stone dressings and will be Scotch Baronial in design. Mr. W. Chesterton is the architect.

**DARTMOUTH, N. S.**—The water commissioners have accepted the tender of D. Sutherland, Jr., for trenching for a part of the south end water and sewer extension, from the main pipe at upper canal bridge to the head of Maitland street. The prices for the work are as follows: Solid rock, \$2.65 per cubic yard; loose rock, 50

cents per cubic yard; earth, 24 cents per cubic yard. The tender of the Turro Iron F. & Mfg. Co., for special castings, at 2½¢ per lb., for valves at \$268.47, and that of the Londonderry Iron Co. for 4, 6 and 8-inch water pipe, at the rate of \$36 per ton, have also been accepted.

**MONTREAL, QUE.**—The Road Committee held a special meeting on Friday last for the purpose of awarding tenders for permanent sidewalks to be laid during the summer. Messrs. Bastien & Valliquette tendered for Limner, Vorwhole and Seysell mastic asphalt, the respective prices being \$1.19, \$2.35 and \$2.60; Mr. G. W. Reid for Neuchatel asphalt mastic at \$2.20; Mr. James Cochrane for ether Limner, Catonica or Vorwhole asphalt mastic at \$2.13. The latter was awarded the contract. Tenders were also received for different compositions for permanent sidewalks as follows: Raccierri Co. \$2.24; Senecal & Depatie, \$2.50; R. Forsyth \$2.80; H. Dansereau, firmite, \$2.65; J. Cochrane \$2.39; Bastien & Valliquette \$2.40. In this case no contract was awarded, as a majority of the ratepayers on the street on which the sidewalk is proposed to be constructed will be allowed to choose from the above list. The contracts for the supply of stone were awarded as follows: Grey lime curbstone various sizes, J. & H. Beemer at 45¢, 58¢, 48½¢ and 68¢; Secria blocks, F. D. Lawrence, \$2.05; sidewalk flags to the same contractor at \$1.58, \$2.05 and \$2.60; crosswalk flags, 55¢ and 74¢. The contract for the laying of curb stones and flag sidewalks was given to Mr. A. P. Lawrence.—A. C. Hutchison, architect, has let contracts as follows for a residence on Summerhill avenue: masonry, R. Wilson; carpentry, Forde & Casey; plumbing, Booth & Ballantyne; brickwork, Ried & Evans; roofing, Campbell & Co.; plastering, Thos. Phillips; painting, J. B. Owens.—H. A. Jones, architect, has awarded the following contracts for six houses on Quiblier street for Mr. D. Brophy: masonry and cut stone, O. Martineau; brickwork, F. Gagnon; carpentry, R. Guertin; plastering, Geo. Griner; painting, A. J. Houghton.

## MUNICIPAL DEPARTMENT.

The city of Montreal maintains its own crushers for furnishing broken stone for macadamizing, and finds the outlay for machinery has been a very profitable one, according to City Surveyor Percival W. St. George. During 1891, the quarry was kept open all the year and furnished 57,250 tons of stone, at an average expense of \$1.14½ delivered at the work. The lowest contract price for the stone was \$1.65 a ton, hence there is a saving of 50½ cents, which is probably more than enough to cover the depreciation and interest on the plant. The city of Toronto proposes to follow the example of Montreal in this matter.

In laying the new wooden pavements at Montreal great care was taken to secure a good foundation. The concrete used was mixed in the proportion of one part of Portland cement, three parts of sand and eight parts of broken stone. The cement and sand were mixed dry and then worked up into a mortar with the least amount of water. The broken stone was then added and finally the thoroughly mixed material spread rapidly over the subgrade, where it was rapidly tamped with a wooden rammer until free mortar worked up to the surface. The wooden blocks were picked over before creosoting, and were again examined when they were brought to the site of the work. The creosote was sampled while in the tanks, and was found satisfactory at all times. The temperature at which it was maintained was about 90° Cent., and the wood remained in the tanks one hour. The cost of this creosoted tamarac block pavement was about \$3 a square yard.

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