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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF
PUBLIC WORKS • TENDERS • ADVANCE INFORMATION AND MUNICIPAL PROGRESS

EVERY WEDNESDAY

This paper reaches every week the Town and City Clerks, Town and City Engineers, County Clerks and County Engineers Purchasers of Municipal Debentures and leading Contractors in all lines throughout Canada.

VOL. 9.

JULY 27, 1898

No. 26

THE CANADIAN CONTRACT RECORD,

PUBLISHED EVERY WEDNESDAY

As an Intermediate Edition of the "Canadian Architect and Builder."

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TENDERS

Tenders will be received up to NOON, THE 30th INST., for all the various trades required in the Erection of a Building for the Canadian Bank of Commerce, corner of Yonge and Bloor streets. Plans and specifications may be seen at the office of

MESSRS. DARLING & PEARSON,
Architects,

Toronto Railway Chambers, Toronto.

Lowest or any tender not necessarily accepted.

TENDERS WANTED

Tenders will be received at our office until 4 p.m., MONDAY, AUGUST 1st, for the several works required in the

ERECTION OF A BRICK SABBATH SCHOOL

in connection with Dunn Avenue Presbyterian Church, Toronto.

No tender necessarily accepted.

SIMPSON & ELLIS, Architects,
Phone 2033. 9 1/2 Adelaide St. E., Toronto.

NOTICE TO CONTRACTORS

Sealed proposals will be received by the Trustees of the Petrolia Methodist Church, until 12th DAY OF AUGUST, 1898, at 12 o'clock noon, for furnishing all the material and performing all the work required to construct a CHURCH BUILDING in accordance with plans and specifications in the office of the Architect, I. Erb, Sarnia; also in the office of the undersigned at Petrolia.

Bids will be received on the foundation, on the super-structure and on the completed building.

The right is reserved to reject any or all bids.

T. VANDELINDER,
Secretary of Board of Trustees.

Tenders For Sidewalks

Tenders will be received up to 6 o'clock p.m., FRIDAY, JULY 30th, for the Construction of Artificial Stone Sidewalks and Curbing in the Town of Waterloo. Specifications may be had from J. McBride, Esq., Barrister, Town Clerk, or from the undersigned.

JAMES WARREN,

Town Engineer.

Waterloo, July 16th, 1898.

CONTRACTS OPEN.

MAGREGOR, MAN.—Rogers Bros. will erect a second elevator.

MIDLAND, ONT.—A new Baptist church will be erected in the near future.

SHELburne, ONT.—The Council propose to invite tenders for paving.

WOODSTOCK, ONT.—The Methodists are about to erect a \$3,000 parsonage.

HARRISTON, ONT.—A three-story building is to be erected here for a pork factory.

WINCHESTER, ONT. B. C. Beach & Co. propose to build an addition to their factory.

WILLIAMSTOWN, ONT.—A new high school building is to be erected, to cost \$8,000.

THORNTON, ONT.—The corner stone of the new Methodist church was laid last week.

WHITBY, ONT.—Thos. G. Jackson will receive tenders until the 30th inst. for street lighting.

THAMESVILLE, CANT.—This town is to have granolithic pavements on the two principal streets.

ASHCROFT, B.C.—The Water & Power Co. will erect a power house and install an electric plant.

PICTON, ONT.—The Presbyterians of this town are contemplating the building of a new church.

ARNPRIOR, ONT.—A new iron bridge will probably be erected here to replace the White bridge.

PORT COLBORNE, ONT.—Alterations and extensions to the waterworks system are under consideration.

OXFORD, N.S.—The Tobique Manufacturing Co. propose to erect a dam across the river for power purposes.

SIMCOE, ONT.—The corner stone of a new Methodist church at Fleming will be laid on Tuesday next, the 26th inst.

CAMPBELLTON, N.B.—Messrs. Doherty and Richards are preparing to rebuild their mills, which were recently burned.

NIAGARA FALLS, ONT.—The Clifton House is to be rebuilt on the old site. The new building will be of modern style.

KASLO, B.C. The plans of Messrs. Ewart & Currie, architects, of Nelson, have been accepted for new municipal buildings.

PARRY SOUND, ONT.—Messrs. Ker & Harcourt, of Walkerton, are said to be

arranging to build a spool and bobbin factory here.

VERNON, B. C.—A site has been purchased for a new jail, and work will commence at once. J. Highman is in charge of the work.

GILFORD, ONT.—Mr. S. J. Neilly has purchased a parcel of land on the shore of Lake Simcoe, and intends building a summer cottage.

KIRKFIELD, ONT.—The Roman Catholic congregation are taking steps towards erecting a new and larger edifice. Father Sweeney, pastor.

CALAIS, ME.—The Standard Oil Company will erect an iron covered warehouse at Jewett's wharf, to replace the one recently destroyed by fire.

SHERBROOKE, QUE.—The works of the Gas and Water Co. will be extended, at a cost of \$10,000.—A new city hall is about to be constructed.

REVELSTOKE, B.C.—The C.P.R. have decided to remove their shops at Donald to this place. Ground has been broken for their erection.

PERTH, ONT.—The taxpayers are called upon to vote a bonus of \$7,500 for the construction of an electric railway from Perth to Lanark.

NORTH BEND, B.C.—J. Hallisy, secretary school trustees, invites tenders until the 31st inst., at noon, for the construction of a school house at this place.

MOUNT FOREST, ONT.—It is probable that new tenders will be called for laying a granolithic sidewalk on Fergus street, from Queen street to Sligo road.

PARIS, ONT.—Toronto promoters, it is said, intend to apply for a charter of incorporation to build and operate an electric road between Ayr and Paris.

CALGARY, N.W.T.—Ground has been broken for the erection of the new C.P.R. shops here, which are being removed from Medicine Hat and Gleichen.

CARDINAL, ONT.—Wm. Davis & Sons invite tenders until Aug. 1st, for delivery here between Oct. 1st next and Feb. 1st, 1899, of 300,000 feet mixed timber.

NAPANEE MILLS, ONT.—F. F. Miller, township engineer, will receive tenders until the 30th inst. for building a bridge over the Napanee river at this place.

NEWCASTLE, N.B.—Tenders will be received until the 28th of July for supplying a steam heating apparatus for the engine house. J. H. Phinney, chairman.

PORT DALHOUSIE, ONT. As a result of a recent visit by the Secretary of the Provincial Board of Health, improvements are likely to be made to the sewerage system.

GLADSTONE, MAN.—R. Galloway, secretary treasurer school board, invites tenders until the 6th of August for the purchase of school debentures to the amount of \$5,000.

HULL, QUE.—The city council has approved of by laws for the construction

of granolithic and wooden sidewalks to cost \$6,400. The by-law will be submitted to the ratepayers.

KEMPTVILLE, ONT.—A new stone crusher and roller is to be purchased, at a cost of one thousand dollars. Mr. S. Guest, clerk.

RAINY LAKE, ONT.—It is reported that a large lumber company at Chipeway Falls will erect a large lumber mill here provided the railroad is extended to this place.

COLLINGWOOD, ONT.—Tenders are asked for the complete piping and fittings necessary for lighting the Globe Hotel with acetylene gas. F. T. Hodgson, architect.

GRAVENHURST, ONT.—Charles Mills, architect, Hamilton, is preparing plans for a memorial cottage to be erected at the Consumptive Sanatorium for Mrs. E. J. Sanford, of Knoxville, Tenn.

LINDSAY, ONT.—The council have ordered an estimate to be made of the cost of constructing a sewer on William street, and have authorized the grading and gravelling of Lindsay street.

ST. JOHNS, QUE.—Mayor Hebert and Councillors Black, Gervais and Cartier have been appointed to negotiate the sale of \$32,500 50-year bonds. The bonds bear interest at 4 per cent. per annum.

SARONIA, ONT. The Grand Trunk will shortly build a new station near Sarnia. It is reported that the G.T.R. will expend about \$70,000 in the erection of a round house and machine shops at this place.

GATINEAU POINT, QUE.—The council have been obliged to abandon for the present the by-law for the construction of sewerage and waterworks systems, owing to strong opposition to the scheme by the ratepayers.

HAWKESBURY, ONT.—The taxpayers of Hawkesbury voted \$7,500 to the Canada Atlantic Railway to induce them to continue their line west of the town, where a pulp mill is to be erected.

BARRIE, ONT.—The town council have decided to submit a by-law to the ratepayers on August 15th, authorizing the issuing of debentures to the amount of \$35,000 for the purchase of a municipal lighting plant.

VANCOUVER, B.C.—Building operations are reported to be unusually active.—Tenders are being received by the Civic Works Committee, up to 11th of August, for a steel swing for Granville street bridge over False Creek.

CHARLOTTETOWN, P.E.I.—Mr. LeMay, architect, asks for tenders for the annex and vaults for the Parliament buildings.—Tenders are being received by architect C. B. Chappell for a double residence on Fitzroy street for Arthur Weeks.

PORT ARTHUR, ONT.—It is said that, together with what is under construction and in architects' hands, there are over fifty thousand dollars being put into building in this town, and it is expected that this amount will be doubled before fall.

MATTAWA, ONT.—A new line of railway to be known as the Haliburton, Whitney & Mattawa railway, is about to be constructed between this place and the Ottawa, Amprior & Parry Sound railway at Whitney, thence continuing to Haliburton.

NELSON, B.C.—S. C. Drummond, representing the British Electric Traction Co., of London, Eng., has applied to the City Council for a charter for an electric street railway. The Council has signified its willingness to grant the application on suitable terms.

DUNDAS, ONT.—Messrs. Bertram & Sons call upon the town to grant a bonus of \$12,000 for the erection of a steel and brick structure, in order to extend their plant to comply with their demands.—The council have under consideration the

question of the construction of granolithic sidewalks.

STRATFORD, ONT.—Mr. John MacDougall, who represents the American Sanitary Engineering Co., of Detroit, waited upon the Sewer Committee of the Stratford Council, explaining a system of sewage purification for that city. The plant would cost \$20,000.

NAVAN, ONT.—Tenders addressed to the Rev. Robert Orr are being received up till August 1st for the inside finishing of the new stone English church being erected here. Plans and specifications may be seen at the office of J. W. H. Watts, architect, Sparks street, Ottawa.

ASHBURNHAM, ONT.—The by-law recently voted on by the ratepayers of this place, for the issuing of debentures to the amount of \$15,000 for the introduction of a waterworks system, was carried by a large majority. Tenders will be called for the construction of the system at once.

INGERSOLL, ONT.—The new post-office to be built by the government in this town is estimated to cost \$26,000.—Mr. J. P. Boles is about to erect two new dwellings, corner of Charles and Church streets. Plans are about completed, and architect Wight will ask for tenders. Buildings to be red brick of modern architecture.

BUCKINGHAM, QUE.—Considerable building is going on here. Mr. Bernadin is putting up a store and dwelling on the old site. It is said Mr. Pearson will erect a store and stables on the McIntosh property, which has recently come into his hands, and Mr. Patterson has the material on the ground for a brick residence.

PORTAGE LA PRAIRIE, MAN.—Plans are being prepared for draining and removing the vegetable matter and converting into an artificial lake the slough at this place.—W. H. Prest, secretary-treasurer public school board, will receive tenders until August 16th for the purchase of school debentures to the amount of \$8,000.

GRAND FALLS, N.B.—A company has been formed, composed of Sir William Van Horne, Senator Proctor of Vermont, Mr. Alger, Secretary United States Navy, and others, to develop the water power at this place, and transmit electric power north to River du Loup and south to Woodstock. The development works are expected to cost \$20,000.

CHATHAM, ONT.—Tenders addressed to Samuel Johnson, Hull, P.Q., will be received up till 7 o'clock p.m. on Saturday, July 30th, for the masonry, carpenter work, slating, tinsmith work, painting and glazing required in the erection of a two-story brick residence in the township of Harwich. Plans can be seen at the office of James S. Wilson & Son, architects, of this city.

LONDON, ONT.—A new convent is to be built at the corner of Waterloo and Piccadilly sts.—Herbert Matthews, architect, will receive tenders until 5 p.m. on August 1st, for the erection of a public school building on Richmond street north. Tenders to be accompanied by marked cheque for 5 per cent. of tender, payable to order of chairman of Board of Education.

BRANTFORD, ONT.—A company is being formed here for the construction of an electric road between Waterford and Port Dover.—Mr. M. J. Butler, C.E., who was employed as consulting engineer, has reported favorably on the plans submitted by Mr. T. Harry Jones, city engineer, for the construction of flood prevention works. A by-law authorizing the expenditure of \$50,000 for the work will be submitted to the ratepayers on the 27th inst.

BROCKVILLE, ONT.—The local board of health have consented to allow the Brockville Packing & Provision Co. to erect new buildings on the west side of Perth street.—The Council gives notice of

its intention to construct granolithic sidewalks on Perth street, cost \$3,680, also on Church street and King street.—Petitions have been received for the construction of granolithic sidewalks on Garden street, Court House avenue and square, and King street.

FREDERICTON, N.B.—It is reported that a joint stock company is being organized, with a capital of \$50,000, to erect a new shoe factory here. Mr. Hartt, the chief promoter, says it is proposed to erect a factory 200 feet in length by 40 feet wide and three stories in height, employing 300 hands, and to equip it thoroughly with the most modern and perfect machinery. This machinery is to be driven by a 50 horse power engine, with sufficient steam boiler capacity to heat the entire building.

HALIFAX, N.S.—The plans for the new elevator to be erected here are being prepared by architect Jamieson, of Toronto.—A company, represented by Wm. Chisholm of this city, propose to erect at Dartmouth a large pulp and paper manufactory, in which enterprise a quarter of a million dollars will be invested.—An American gentleman has been in correspondence with the secretary of the Tourists' Association regarding the erection of a summer hotel in the vicinity of this city.

GUELPH, ONT.—Tenders will be received until noon on Saturday, July 30th, for the following works in connection with the construction of a bridge on the deviated town line, between the counties of Wellington and Halton, near Eden Mills. For the building of two stone abutments; for an iron or steel bridge of 70 feet clear span; and for a wooden or combination bridge of 70 feet clear span, 14 feet wide, erected complete on cedar cribs, bridge contractors to furnish their own plans. Plans of the masonry abutments may be seen at the office of J. Hutcheon, engineer, this place.

RAT PORTAGE, ONT.—The government is being urged to construct a steel bridge over the eastern channel, to accommodate traffic between this town, Norman and Keewatin.—Tenders are invited until the 25th inst. for the construction of sewers.—An agreement has been arrived at between the Provincial government and the Keewatin Power Co., under which the government will carry out certain work, including the placing of stop logs, by means of which a channel 6 feet in depth and 30 feet wide will be formed permitting the passage of large steamers into Shoal Lake.—McKenzie & Delyea invite tenders until August 1st for the erection of a brick block, to include a music hall, two stores and a lodge room.

TORONTO, ONT.—Orders have been issued from the City Engineer's Department for an asphalt pavement on Jamieson ave., from Queen street to the G.T.R. tracks, and a concrete sidewalk on College street, opposite the T. A. C. clubhouse.—Bond & Smith, architects, have prepared plans for a new brick church, corner of Brooklyn ave. and Queen street east, for St. Clement's congregation.—Ground has been broken for a residence on the east side of Spadina Road immediately north of Bloor street.—Building permits have been granted as follows: E. A. Kantal, 2 story and attic bk. residence, St. Mary st., F. S. Baker, architect, cost \$3,000; C. F. Brown, alterations No. 64 Gloucester st., cost \$3,500; estate Arch & Palmes, shop front and repairs, 95 King st. w., cost \$1,000; Public School Board, add. Brock st. school, cost \$5,500; Dewson school, cost \$7,800; Clinton st. school, cost \$6,600; Gladstone ave. school, cost \$8,500; Grace st. school, cost \$5,000; Givens st. school, cost \$6,800.

ST. THOMAS, ONT.—The special committee appointed by Elgin County Council to consider plans for the improvement of the court house, have approved of plans prepared for this purpose by Mr. James

A. Bell, consulting engineer, and Mr. Neil Darrach, architect. The estimated cost of the work is \$33,000. The matter will be finally considered by the County Council at its meeting on the 27th inst.—The city hall committee have approved of the use of buff brick in the construction of the new city hall.

HAMILTON, ONT.—The ratepayers will to-day vote on a by-law to raise \$50,000 for the construction of new sewers.—Charles Mills, architect, announces that work on Mr. Watkin's proposed new building will be at once proceeded with.—W. P. Witton, architect, will receive tenders until noon of Aug. 2, for the erection of a building for Geo. E. Tuckett & Son Company.—The city engineer has been requested to furnish an estimate of the cost of constructing tar macadam pavements on Hughson, John and York streets.

QUEBEC, QUE.—Tenders are being received, addressed to the waterworks engineer, up to 4 p.m. on Tuesday, August 2nd, for the supply of hydrants for the waterworks department.—The city engineer recently advertised for tenders for roofing the Jacques Cartier market hall.—Mr. David Ouellet, architect, is receiving tenders up till to-day (Wednesday) for the performance of masonry, carpentry, roofing, painting and glazing, plumbing, heating apparatus, electric light etc., for the new buildings to be erected on the ground bought by Hon. Judge Chauveau, corner of St. Louis and St. Ursule streets.—The Canadian Pacific Railway are going to construct a railway from Pointe Fortune to Hawkesbury, P. Q. Tanguay & Vallee are the architects for the college of Ste. Marie de Beauce.

MONTREAL, QUE. Hon. T. Berthienne, proprietor of The Press, has bought up the corner of St. James street and St. Lambert's Hill, where he will erect offices for his paper.—J. Alcide Chausse, architect, is preparing plans for a dwelling house to be erected on Maison-neuve street for Mr. Julien Therrien, a chapel (R.C.) at L'Assomption, Que., and a dwelling house at Maison-neuve, Que.—The St. Jean Baptist church about to be built on Rachel street will cost in the vicinity of \$150,000.—Tenders will soon be asked for the erection of a new corporation fire and police station. Plans will be on view next Monday at the office of Vincent & Dufresne.—Vincent & Dufresne are awaiting word from the council of Richmond, Que., before proceeding with the erection of a bridge.

VICTORIA, B.C.—The Dominion Minister of Public Works has promised to consider, during the recess, a scheme of harbor improvement, which is expected to include replacing with new structures the present defective bridges. The necessary legislation for this object is expected to be passed at next session of the Dominion parliament.—The importance to the city's welfare of improving the condition of the streets and water supply is being strongly urged.—The town will construct sewers on the following streets, work to be done by day labor: Johnson street, between Vancouver and Cook, 20 houses, estimated cost, \$500; King's road and lane, between First and Second streets, 28 houses, estimated cost, \$300; North Park street, between Quadra and Cook, 43 houses, estimated cost, \$1,128; Michigan street, between Menzies and Parry, 3 houses, estimated cost, \$205; Parry street, between Michigan and Toronto, 15 houses, estimated cost, \$335; Quebec street, between Menzies and Oswego, 8 houses, estimated cost, \$477.—The city council gives notice of a by-law authorising the construction, as a local improvement, of a wooden block pavement and concrete or vitrified brick sidewalks on Fort street, from Government street to Douglas street.

OTTAWA, ONT.—The Ottawa Suburban

Waterworks Co. has been incorporated.—Messrs. Bond & Smith, architects, Toronto, have prepared plans for a residence to be erected here by Sir Sanford Fleming.—The Councils have continued the injunction restraining the Mayor and the Warren Scharffe Co. from laying pavements on Sussex and Queen streets.—The municipal council intend to construct the following walks. Artificial stone sidewalk, 5 feet wide, on east side of Friel street, between Rideau and Stewart streets, estimated cost \$734; artificial stone sidewalk, 10 feet wide, on south side of Rideau street, from Cumberland to King street, estimated cost \$755; artificial stone sidewalk, 6 feet wide, south side of Rideau street, from King to Charlotte street, estimated cost \$3,378; artificial stone sidewalk, 8 feet wide, south side of Sparks street, between Lyon and Bay streets, estimated cost \$747.—Kenneth McDonald will erect a fine new warehouse at the corner of By ward market and George street. The structure will be three stories high, with basement, and will cost about \$10,000. F. J. Alexander has prepared the plans.—Mr. S. Daniels, formerly proprietor of the Windsor Hotel, is making arrangements for the erection of a modern hotel building on property owned by Joseph Boyden, who is also interested in the project, on Mackenzie avenue. The work will be proceeded with at once.—Mr. Thomas Lindsay states that a new electric lighting company has been formed with a capital stock of \$1,000,000, to supply the city with electric light, heat and power. The company expect to have their charter in about six weeks and will apply to the council for a franchise.—Building permits have been granted as follows. Mrs. John Johnston, brick veneered dwelling, College avenue, cost \$2,200; John Ross, brick veneered dwelling, Alice street, cost \$2,000; Charles Magee, frame dwelling, Lewis street, cost \$1,500; also frame dwelling on Charles street, cost same amount.—The council has confirmed the contract recently made with the Warren-Scharffe Company for paving Sussex street.

WINNIPEG, MAN.—It is said the C.P.R. proposes to construct a reservoir with a capacity of 1,200,000 gallons, 270 feet above the town site of Cranbrook.—Plans are said to have been prepared for a 100 feet extension to the C.P.R. depot.—Excavation has commenced for a new church for the German Reformed congregation.—Hon. Clifford Sifton has announced that arrangements have been made between the government and the C.P.R. whereby the Foxton, Stonewall and Pipestone

branches of the railway will be extended. These extensions will involve the construction of upwards of 100 miles of railway.—The Committee on Works has recommended the Council to give notice of its intention to carry out the following works as local improvements: Macadam pavement on Bannatyne avenue, estimated cost \$2,900; also on Edmonton street, cost \$5,780. The committee also recommend that the following work be at once proceeded with: Macadam pavement on Garry street, estimated cost \$10,826; on Ellice avenue, estimated cost \$8,326; on Vaughan street, estimated cost \$7,000; on Charlotte street, estimated cost \$4,749; on Ellen street, estimated cost \$9,800; on Rupert street, estimated cost \$2,880; Boulevarding Portage avenue, Carlton street and Edmonton street, estimated cost \$3,900. The Council will also give notice of its intention to carry out as local improvements the following works: Boulevarding Garry street, estimated cost \$1,360; McDermid avenue, estimated cost \$1,060. It is recommended that the following works, for which tenders were recently received, be proceeded with by day labor: Macadam pavements on Market street, estimated cost \$2,785; cedar block pavement on lane between Main street and Fort street, estimated cost \$1,566; granolithic walk, west side of Main street, estimated cost \$10,713.

FIRES.

The fires of the past week include the following. A large part of the village of Pugwash, N.S., including American Hotel and Baptist church.—Universalist church at Broomfield, Ont.; insurance, \$1,200.—Grand Trunk freight sheds, Barrie, Ont., loss \$2,000.—King & Patterson's furniture store, Craig street, Montreal; loss \$15,000.—Tilbury electric light plant, owned by R. H. Smith; loss about \$3,500, insurance \$2,500.

CONTRACTS AWARDED.

LUCKNOW, ONT.—Power elevator: Walter Stewart, contractor.

MERIGOMISH, N.S.—Public wharf: McDonald & Moffatt, North Sydney, C.B.

THORNHILL, ONT.—Three stores for John Francis: Robert Lelliot, contractor.

OUTRIMONT, QUE.—Deroche street sewers: Keegman & Heffernan, contractors.

BERLIN, ONT.—Mr. Charles Cowan has been awarded the contract for the new U.B. church.

GALT, ONT.—New C.P.R. depots at

THE HAMILTON BRIDGE WORKS CO., LIMITED.

HAMILTON - CANADA

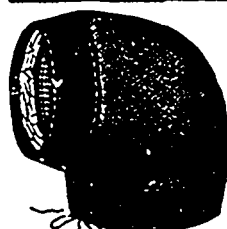
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this place and Woodstock: David Chalmers, contractor, Owen Sound.

MANCHESTER, ONT.—Iron bridge: Kincardine Bridge Co., contractors, price \$1,150.

RAT PORTAGE, ONT.—West approach to new bridge: McQuarrie & Fraser, contractors.

GRANBY, QUE.—Boilers for electric light plant: Babcock & Wilcox Co., contractors, Montreal.

ST. THOMAS, ONT.—Balclava street school: W. Jewell, contractor; heating, Pease Furnace Co., Toronto, contractors.

ROSSLAND, B.C.—Widening Columbian Western Railway between Rossland and Trail: Winters, Parsons & Boomer, contractors; price about \$70,000.

ACTON, ONT.—A pavement is being laid from Mr. McTavish's corner to Mrs. Storey's corner. The work is to be done by the Guelph Pavement Co.

INGERSOLL, ONT.—Mr. John A. Wight, architect, has let the contract for building certain additions to the Kirwin house to Mr. F. Richardson.

CHARLOTTETOWN, P. E. I.—The contract for the new Prince Edward Island Hospital has been let to Messrs. Macdonald and Schurman. The work is to be completed by October of next year.—R. P. LeMay, architect, Quebec, has awarded contracts for the new Prince of Wales College to J. K. McDonald, New Glasgow, and Schurman, of Summerside. The building will be heated by steam, and will cost about \$28,000.

HALIFAX, N. S.—The Board of Fire Commissioners recently opened tenders for the supply of eight miles of insulated copper wire. The following tenders were received: Stans, Son & Morrow—No. 10 wire, \$54 per mile; No. 8 wire, \$70 per mile. A. M. Bell & Co.—No. 10 wire, 20 cents per pound; No. 8, 18½ cents per pound. John Starr, Son & Co.—Nos. 10 and 6, 18 cents per pound, all round. Black Bros.—No. 8, \$72 per mile; No. 10, \$55 per mile. The tender of John Starr, Son & Co. was accepted.

LONDON, ONT.—The Water Commissioners met recently, and accepted a tender of Harding & Leathorne for the laying of a 10 inch main across the river from the big main on the Pipe Line road, below the Coves, to connect with West London. The cost will be \$5,500.—A large building, 50 feet wide by 100 feet long, will shortly be built on the G.T.R. car shops property. It will be for the stores department, and

will cost about \$5,000 or \$6,000. Contractor Mills, of Hamilton, has the contract.

MONTREAL, QUE.—J. Alcide Chausse, architect, has awarded the following contracts: Dwelling house on St. Hubert street for Hr. Louis J. Guerin, all trades to Alfred Granel; school house at Maniwaki, Que., carpenter and joiner's work to J. A. Desnieres & Co.—Catholic high school, Palace street (M. Doran, architect): Masonry, Hughes & Brisson; brickwork, F. Riordan; carpentry and painting, Lambert & Son; roofing, Montreal Roofing Co.; steel beams, E. A. Walberg.

TORONTO, ONT.—Book racks, Toronto University library: McGregor & McIntyre, Pearl street, \$5,800; D. B. Dick, architect.—Public School Board have awarded contracts as follows: Building adjoining Winchester street school—Masonry, James Gaylard, \$4,855; carpenter work, W. C. Clark, \$5,261; plumbing, J. Sherlock, \$443; painting, G. Peacock, \$179; plastering, Beaver Bros., \$269; roofing, Rennie & Son, \$211; tinsmithing, Tucker & Dillon, \$112; metal ceilings, Metallic Roofing Co., \$409; heating and ventilating, Toronto Furnace & Crematory Co., \$810; total, \$12,549. Kippendavie avenue, new building—Masonry, T. Cruttenden, \$4,320; carpenter work, W. Williamson, \$3,625; total, \$7,945. Pape avenue, new building—Carpenter work, W. Williamson, \$3,425. Queen Victoria school—Masonry, R. Clayton, \$210; carpenter work, Eiton and Fry, \$230; painting, R. J. Stanley, \$170; total, \$610.

QUEBEC, QUE.—The Sicily Asphaltum Co. have the contract for the paving of St. Joseph street.—N. Cauchon, contractor, will erect a brick residence for Rev. Plamondon.—Thomas Pampalon, contractor, is nearing the completion of the

masonry of the new property of the Sisters of Charity near Porte Richelieu.—Tanguay & Vallee, architects, have awarded the contracts of the new parish church of St. Sauveur as follows: Masonry, J. B. Jonchereau; carpenter work, C. Emile Morissette; roofing, L'Henreux and Dallaine; painting, Jos. Gauthier & Bros. Total cost, \$30,000.—The contract for the building of a new bridge to replace the Bickell bridge has been awarded to Mr. A. Rousseau & Co., of Montreal, for the sum of \$23,000.—Berlinquet and Lemay have awarded contracts for the parish of Cote d'Abraham to Fortunal Bozin, contractor; cost, between \$7,000 and \$8,000.—Messrs. Peachy & Dessault have awarded contracts to Mr. M. S. H. Gaudry, contractor, to erect five new residences on l'Avenue des Erables for Mr. John Thompson, each residence to cost from \$2,200 to \$4,500.

MISLEADING.

Mrs. Brown—This paper is a fraud. Mr. Brown—In what respect?
Mrs. Brown—Why, here is a column headed "Proposals," and it's all about building contracts and such tiresome things.—Truth.

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COST OF PAVEMENTS.

In the matter of cost most pavements, including macadam, require pretty much the same expenditure up to a certain point—the completion of the grading, under-drainage curbing and excavating, preparatory to receiving the paving materials. Up to the layer of concrete the cost, excluding macadam (that is for asphalt, stone block, vitrified brick and wood pavements), is very much the same, but may vary according to the depth of concrete used and the material for curbing, whether stone or wood. As I have no data for calculating the amount of grading, excavating and drainage needed in St. John, it becomes impossible for me to make an estimate of the cost of the work applicable solely to your city.

The following indicates the basis for a strong form of pavement, on which the cost of a macadam roadway twenty-seven feet wide, for a resident street, may be estimated per lineal feet:

Excavating and grading roadway..	\$0 30
Grading boulevard	6
Water and sprinkling.....	4
Rolling.....	10
Crushed stone in the street at \$1 per cubic yard.....	1 00
Drainage.....	10
Total per lineal foot of street	\$1 60
Total per square yard.....	0 53½

With cedar curbing, 4 x 12, the cost would be \$1.72 per lineal foot or 57½ cents per square yard; with stone curbing, \$2.80 per lineal foot or 86½ cents per square yard.

In estimating the cost of an asphalt pavement to replace the cedar block on such a street as Main street, with a roadway forty feet wide, the actual cost would be about as follows:

Removal of cedar blocks and excavation per lineal foot.....	\$0 44½
Drainage per lineal foot	15
Concrete, six inch layer, per lineal foot.....	2 22½
Asphalt surface, per lineal foot.....	4 44½
Total per lineal foot	\$7 26½
Total per square yard	1 63½

The maintenance is usually estimated on a basis of eight cents per square yard per annum. The cost, therefore, for a five years' guarantee is 40 cents; ten years, 80 cents; fifteen years, \$1.20. The total cost then under a five years' guarantee is \$2.03½; under a ten years' guarantee, \$2.43½; under a fifteen years' guarantee \$2.83½. In the above estimate the profit of the contractor on initial construction is not included and is regulated by competition.

Asphalt pavements, as previously stated, are laid by contract. This material is one which can be greatly adulterated and it will usually be advisable to have the work done by a reliable company under a long term

guarantee. Recent inquiry shows that Ottawa has had rock asphalt pavements laid, with maintenance guaranteed for fifteen years, for \$3.10 per square yard; Montreal has had rock asphalt pavement laid, guaranteed for a similar term, for \$3.09. Trinidad asphalt, maintenance guaranteed for ten years, has cost Montreal \$3.45 per square yard; Toronto, \$2.60; in Hamilton, \$2.15. Montreal paid \$2.85 for Trinidad asphalt on a five years' guarantee. The apparent disparity in these prices may be accounted for in part by differences in specifications regarding drainage, concrete foundations, and as regards special work on gutters, curbing, etc.

For a roadway of the same description as that on which the cost for broken stone was computed, twenty-seven feet wide, an estimate for brick pavement would be as follows:

Excavation and grading roadway, per lineal foot.....	\$0 30
Grading boulevard	6
Concrete, six inch layer	1 50
Drainage.....	10
Brick surface laid	3 45
Total per lineal foot	\$5 41
Total per square yard.....	1 80½

The following is an estimate of the actual cost of laying one square yard of stone block pavement, on a basis of the whole of the work being performed by the city. Labor on street railway allowances would be slightly more expensive:

Stone in quarry.....	\$0 10
Quarrying stone	25
Making blocks	1 20
Hauling	10
Laying and grouting	75
Removal of old pavement, excavation, grading, etc.....	13
Drainage.....	5
Concrete, eight inch layer.....	67
Sand coating.....	5
Total per square yard.....	\$3 30

LEGAL DECISIONS AFFECTING MUNICIPALITIES.

DAVIPEON VS. CORPORATION OF STANBRIDGE STATION. One Edward Charles Davipeon sued the corporation of the municipality of Stanbridge Station for \$800 damages for injuries received through the upsetting of his carriage while driving over a highway under the control of the corporation, on 26th December last. The carriage in which the plaintiff was riding passed over an obstacle in the road, which had the effect of upsetting it and of throwing the occupant to the ground. His leg was broken by the fall. The plaintiff alleged that the highway was dangerous owing to the pro-

jecting rock on which his carriage ran, and that the accident was caused by the negligence of the corporation in not maintaining the highway in the condition required by law. The defendant pleaded that the road was not dangerous, and was in good condition; that plaintiff knew of the alleged obstacle in the road; that plaintiff was driving a spirited horse attached to a cart loaded with boards, a use for which it was not intended; that plaintiff was himself under the influence of liquor, and was himself the cause of the accident. After reviewing the evidence the learned judge said: "As a rule our local municipalities do not appear to recognize the requirements of the law, as to the condition of the roads under their control; or if they are aware of their strictness, little attention is paid to the obligations which result from a non-compliance." Speaking of the projecting rock on which plaintiff's carriage was overturned, his honor said: "Why it has been allowed to remain there so long is probably due to the same cause which renders so many of our roads defective, and in some cases positively dangerous, negligence and indifference on the part of the municipal authorities coupled with the utter lack of competent supervision. It is nobody's special business to see that such defects are removed. They have existed from time almost immemorial; and they are simply overlooked and will continue to be overlooked, unless some rude awakening takes place." Further on the judgment reads: "I now come to the second question—was plaintiff prudent? The Sacred writings (14 Prov. 15) contains this proverb, 'The prudent man looketh well to his going.' Plaintiff knew this road, the hill and the projecting rock well. He had passed there but a few hours before the accident on his way to Stanbridge Station. With this knowledge was it prudent for him to have put boards twelve feet long on a market cart? Was it prudent for him to have done so with a spirited horse, such as his is shown to have been, attached to the cart with the ends of the boards extending by the horse and pushing up on him while going down the hill? Was it prudent to allow the horse to trot with such a vehicle while going down the hill? Was it prudent for plaintiff before starting to take three glasses of rye whiskey? To each of these questions the answer 'no' almost instinctively suggests itself; but when they are combined, the answer must be an emphatic 'no'." After quoting a number of authorities, the judge concluded as follows: "Here the accident might have been avoided had plaintiff taken even ordinary care; but he was most imprudent; and while his misfortune is much to be regretted, it would be simply offering a reward and encouragement to imprudence to award him any damages. But I cannot allow the corporation to escape entirely free. Under all the circumstances I shall dismiss the action without costs."

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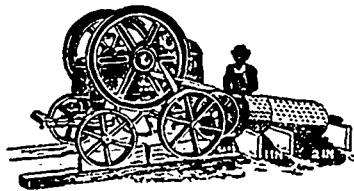
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