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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.

MARCH 23, 1898

No. 8.

THE CANADIAN CONTRACT RECORD,

PUBLISHED EVERY WEDNESDAY

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

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FOR SALE

The Best Limestone Quarry in Ontario.

35 acres, conveniently situated on G. T. R., one mile north of Longford Station. The quarry is thoroughly equipped with good machinery, five guy derricks, two steam drills, a large duplex steam pump, engine, boiler, good house, large barn, blacksmith shop, etc. Quarry contains 21 stratified beds, varying in thickness from 2 to 28 inches. R.R. siding into quarry. Terms: part cash, balance easy; or would exchange for timber limit. Apply A. TAIT, Orillia, Ont.

WATERWORKS CONSTRUCTION

FORT WILLIAM, ONT.

Sealed Tenders, addressed to the Secretary, will be received by the Board of Water and Light Commissioners up to 8 p.m. on

Monday, 4th April, 1898.

Lump tender wanted, covering all material and labor, for Power House, Pumping Machinery, Seven Miles of Mains, Elevated Storage Tank, Etc.
Full particulars can be had and plans and specifications seen at Fort William and at the head office of the Consulting Chief Engineer, John Galt, Esq., C.E. and M.E., Canada Life Building, Toronto.
Marked bark cheque, payable to Board of Water and Light Commissioners, for 6 per cent. of tender, must accompany bid.
The lowest or any tender not necessarily accepted.

T. ED. OAKLEY,
Secretary-Treasurer,

FOR SALE

Waterworks Contractors' complete stock of materials.
Information and inventory sent on request.
Write, P.O.B. 1144, MONTREAL.

Port Colborne WATERWORKS

Sealed proposals, addressed to the Clerk of the Municipality of Port Colborne, for the purchase of Sixteen Thousand Dollars (\$16,000) of Water Works Debentures, payable in thirty (30) years, bearing 4% interest, will be opened by the Council Board on Monday evening, March 28th, 1898.

FRANK D. NOBLE
Municipal Clerk.

Tenders Wanted

Tenders for the erection of a Bank Building and a Store on the Corner of Norfolk and Argyle Streets, in the town of Simcoe, Ont., will be received until

SATURDAY, 26th INST.,

by the undersigned, at his office, No. 17 Toronto street, Toronto.

Plans and specifications may be seen there and also at the Bank of Hamilton at Simcoe.

The lowest or any tender will not necessarily be accepted.

D. B. DICK, Architect.



Tenders for Unbroken Stone

Tenders, addressed to the undersigned, will be received by registered post up to noon on

WEDNESDAY, THE 30TH INST.,

FOR THE SUPPLY OF

100 TONNE OF UNBROKEN STONE

suitable for Macadam, and to be delivered at the City Yard at the foot of Frederick street.

Specifications may be seen and forms of tender obtained at the office of the Street Commissioner, Toronto. A marked cheque, payable to the order of the City Treasurer, or a cash deposit, equal to 5 per cent. on the value of the stone tendered for, must accompany each and every tender.

Should any party whose tender is accepted fail to execute the necessary contract, and give satisfactory security to the City Treasurer for the due delivery of the stone tendered for, his deposit will be forfeited to the city. The deposits of unsuccessful tenderers will be returned. The lowest or any tender not necessarily accepted.

JOHN SHAW, Mayor,
Chairman Board of Control.

City Hall, Toronto, March 17th, 1898.

CONTRACTS OPEN.

DELHI, ONT.—Mr. Birdsall, jeweller, will build a store and dwelling.

WESTPORT, ONT.—The Free Methodists intend erecting a church.

SEBRINGVILLE, ONT.—Work has commenced on the new Evangelical church.

KENT BRIDGE, ONT.—Mr. Raffeljee purposes building a large hotel this spring.

ELGIN, ONT.—Ed. Halliday contemplates building a cheese factory at Singleton.

WOODSTOCK, ONT.—Plans have been prepared for extensive repairs to the Royal Hotel.

SEELEY'S BAY, ONT.—Tenders are asked for the erection of a brick school house.

SANDWICH, ONT.—Mayor Girardot is advocating the construction of a new town dock.

MAISONNEUVE, QUE.—The R.C. School Commissioners intend building a new school.

CORNWALL, ONT.—The town council has decided to purchase a steam road roller.

BATH, ONT.—The congregation of the Church of England have decided to build a new rectory.

MOONSTONE, ONT.—T. D. Robinson, general merchant, contemplates enlarging his premises.

WALKERTON, ONT.—Forty offers of sites for the county house of refuge have been received.

EADY, ONT.—The Methodist congregation purpose erecting a church during the coming summer.

MAGOG, QUE.—D. Pepin has made arrangements for the erection of a brick and stone block.

NOVAR, ONT.—H. Cousins wants tenders before April 15th for the erection of a school house.

CORINTH, ONT.—The plans for the proposed parsonage have been received from the architect.

CALEDONIA SPRINGS, ONT.—It is proposed to build a stone or brick church here, to cost \$3,000.

BRISTOL, N. B.—The trustees have decided to commence work on the building of a Baptist church.

ARNPRIOR, ONT.—At a recent meeting of the town council the question of better fire protection was discussed.

GREENWOOD, B. C.—An engineer has been appointed to report on the cost of waterworks and street improvements.

BELMONT, ONT.—Geo. Willsie purposes erecting a large barn and making extensive alterations to his residence.

STRATFORD, ONT.—Thos. Hepburn, architect, has prepared plans and invited tenders for the proposed improvements to Knox church.

BRYSON, QUE.—The Pontiac Telephone Co. will receive tenders up to the 25th

inst. for supplying cedar poles. Wm. Le-Roy, secretary treasurer.

COTLAU LANDING, QUE.—The Canada Atlantic Railway Co. are urging the government to carry out some dredging at this place.

SIMCOE, ONT.—Work will commence about April 1st on the new building to be erected by the Bank of Hamilton; D. B. Dick, Toronto, architect.

TILBURY, ONT.—H. J. Powell, architect, of Stratford, was in town recently in connection with plans for several new buildings in contemplation.

LYN, ONT.—Thos. Peetem, of this place, will receive tenders up to April 1st for the erection of a brick school house in section No. 10, Elizabethtown.

SHERBROOKE, QUE.—J. B. Verral, architect, is preparing plans for the reconstruction of the seminary here destroyed by fire last fall, to be of fireproof construction.

FORT FRANCES, ONT.—A deputation from this vicinity has requested the Dominion government to grant an appropriation for the completion of the Fort Frances locks.

KEARNEY, ONT.—J. F. Mann, secretary School Section No. 9, will receive offers, until April 10th for the erection of a school house. Plans at Malkin's store in this village.

TRURO, N.S.—An addition will be built to Willow street school, cost \$1,000.—The sum of \$6,000 has been appropriated for waterworks extension during the coming summer.

BRANFORD, ONT.—The Massey-Harris Co. have requested the City Council to take steps to construct extensive river protection works along the banks of the Grand river.

MONTMAGNY, QUE.—The Saint Philemon Telephone Co. has been incorporated, to construct a telephole line in the counties of Bellechasse, Dorchester, and Montmagny.

ORMSTOWN, QUE.—A small bridge near this town was carried away by a recent flood.—Alex. McDougall has given \$3,000 towards the building of a new hall, to be 41 x 70 feet.

PETERBOROUGH, ONT.—Councillor Langford has introduced a motion in council recommending the putting down of a granolithic walk on George street, at a cost of \$800.

WINDSOR, N. S.—The Commercial Bank will receive tenders until the 25th inst. for the erection of a three story brick and stone office building. Plans may be seen at the bank.

CHARLOTTETOWN, P. E. I.—Peters, Peters & Ings, on behalf of the present gas company, have submitted a proposition to the City Council to build a street car system in this city.

SUSSEX, N. B.—Geo. Carleton has purchased property on which to erect a residence.—Plans are invited for a building, 52 feet wide and 200 feet long, to be used for exhibition purposes.

VALLEYFIELD, QUE.—It is probable that the proposed works of the Montreal Cotton Co. will not be proceeded with, as some difficulty has arisen between the company and the town.

ST. CATHARINES, ONT.—Thos. Etherington is organizing a company to manufacture carpet. The plant will probably be established at Thorold, in which case a building will be erected.

LITTLE CURRENT, ONT.—A deputation from Manitoulin Island will urge the Dominion government to make a revote of a subsidy for forty-one miles of railway, to connect the Manitoulin railway with the Sault Ste. Marie line.

BRANDON, MAN.—Tenders have been invited for building a residence on Louise

avenue, from plans by W. H. Shillinglaw, architect.—Work will shortly commence on the new Nation block.

WINDSOR MILLS, QUE.—The covered wooden bridge over the river here, which was 600 feet in length and cost \$14,000, was carried away by a recent flood. It was owned by a joint stock company.

HULL, QUE.—The by-law to grant a bonus of \$30,000 to the Toronto Rubber Shoe Mfg. Co. will be submitted to the ratepayers on the 28th inst. The company agree to erect a factory to cost not less than \$25,000.

MEAFORD, ONT.—The Department of Public Works at Ottawa are now taking tenders for the construction of pile work in the harbor here. Plans at post-office and at office of H. A. Gray, Confederation Life building, Toronto.

MCADAM JUNCTION, N. B.—The proposed new station of the C.P.R. will be of stone and brick, and will cost over \$30,000. It is the intention to install an incandescent and arc plant for lighting the shops, yards and station.

MILVERTON, ONT.—W. E. Binning, architect, of Listowell, has prepared plans for a residence for Dr. Egbert, of this village.—Messrs. S. Grosch, William Bell, Ezra Knechtel and Charles Miller will each build new residences.

BAIE ST. PAUL, QUE.—The Charleboix Industrial Co. has been incorporated, with a capital of \$10,000, to manufacture wool and other textile matter, lumber, furniture, etc. Among the promoters are J. B. Boivin and Alfred Cote.

TILBURY, ONT.—Wm. Newman, C.E., of Windsor, has been instructed by the Gosfield North Council to prepare plans for the construction of an outlet drain on the 9th concession, also for repairing the north branch outlet to the Orton drain.

ORILLIA, ONT.—An estimate by Mr. Reid, hydraulic expert, places the cost of the hydraulic work in connection with the Ragged Rapids power scheme at \$32,000, made up as follows: Dam, \$8,000; flume, \$20,000; wheels and appurtenances, \$4,000.

CHICOUTIMI, QUE.—A company has been incorporated, by the name of The Chateau Saguenay, with a capital of \$50,000, to acquire and enlarge the Martin hotel in this town. Among the promoters are Joseph D. Guay and J. E. A. Dubuc.

NORWICH, ONT.—The village contemplates the erection of a bridge on Stover street, the construction of sewers, and the draining and macadamizing of Main street. W. M. Davis, C.E., has been instructed to report to Council on the proposed work.

KINGSTON, ONT.—Arthur Ellis, architect, wants tenders by 5 p. m., March 24th, for alterations and additions to 84 Gore street.—J. W. Power, architect, has prepared plans for a new school house for St. John's church, Portsmouth. Work will commence early in April.

GUELPH, ONT.—Powell & Wideman, architects, have invited tenders for the erection of an addition to the stone factory of the Raymond Manufacturing Co.—The city has received tenders for cement sidewalk required during the year. Contracts will be awarded during the present week.

CHATHAM, ONT.—Considerable property here was damaged by floods last week. The heaviest losers are: Stevens Milling Co., \$4,000; T. H. Taylor, flour mills, \$5,000; waterworks and electric light plant, \$3,000. The total loss is estimated at \$54,000.—The Kent Mills Co. intend putting in new boilers.

VICTORIA, B. C.—Wm. W. Northcott, purchasing agent for the corporation, will receive tenders up to Monday, the 28th inst., for supplying one series arc dynamo

of 100 lights capacity.—The city has purchased property on which to erect a brick fire hall. Further fire protection will also be provided.

SMITH'S FALLS, ONT.—The C. P. R. station here will likely be enlarged.—The Smith's Falls, Rideau & Southern Electric Railway Co. recently applied to council for permission to lay rails and erect poles in town.—It is stated that \$25,000 will be spent this summer in remodeling the Methodist church.

GASPE, QUE.—A petition has been forwarded to the Dominion government asking that Mount Louis, on the north coast of Gaspé, be made the terminus of the proposed fast Atlantic steamship line. The petitioners point out that a railway 120 miles in length would connect Mount Louis with the Intercolonial at Meis.

COLLINGWOOD, ONT.—Chas. Stephens, Esq., is asking for tenders for the building of a large dwelling house, estimated cost \$9,000. The building is to be two stories and attic, built of pressed brick, and to be fitted with all modern appointments and partly roofed with tiles.—The corporation are contemplating erecting a handsome fire tower in the rear of the city hall.

ST. JOHN, N. B.—The C. P. R. have decided to build another elevator here, the plans for which are now being prepared. It will have a capacity of 800,000 bushels.—Mr. M. F. Mooney has returned from Scotland, and states that the pulp mill at Mispec is likely to be proceeded with at once.—It is understood that the tenders for the erection of the proposed new building on Chipman hill were found too high, and that new tenders will be invited.

DOMINION CITY, MAN.—The Dominion City Farmers' elevator Co. is seeking incorporation, to erect a grain elevator. It is expected that work will commence early in the summer. J. D. Baskerville is president, and John Outway secretary-treasurer.—Geo. Brad intends building a cold storage warehouse this season. He has now a new residence in course of erection.—Negotiations are in progress looking to the erection here of a large flour mill; names of promoters not given.

WINNIPEG, MAN.—The Fire and Light Committee have recommended that the new fire hall be built on the site of the present hay market.—The by-law to raise \$100,000 for school buildings has passed its third reading. Debentures for the amount will be issued.—The District Telegraph Co. has an application before the city council for permission to string wires. The company purpose expending a considerable sum of money in installing their plant.—The Y.M.C.A. building committee have adopted the sketch plans for the new building submitted by Mr. Geo. Browne, who has been instructed to proceed with the work.

ST. THOMAS, ONT.—A committee of the city council, at a recent meeting, considered the question of repaving Talbot street. Brick seemed to be the favorite material, but it was decided to obtain further information on the subject. The purchase of a stone crusher pressure was favorably considered.—It is reported that if the \$20,000 bonus is granted to the Lake Erie & Detroit River Railway, a union depot will be erected in this city.—The site for the new buildings for the St. Thomas Electric Railway Co. is now being cleared.—Ald. J. Wallace, chairman Public Works Committee, wants tenders before noon today (Wednesday) for the construction of an eight-inch tile sewer on Oliver street.—W. B. Jennings purposes erecting a building 44 x 50 feet, the first story to be of corrugated iron.

HINTONBURG, ONT.—At a recent meeting of the Public School Board plans of the proposed school were examined. It was decided to accept those of E. L. Horwood, architect, of Ottawa.—A by-law regarding the sewage system received its

first reading in council last week. It is proposed to raise \$30,000 by debentures.

QUEBEC, QUE.—The Metis Telephone Co. is seeking incorporation, with a capital of \$2,500, and headquarters at St. Octave de Metis, to construct a telephone line in counties of Matane and Rimouski. L. F. Pinault, advocate, of this city, is interested. —The new company which is being formed to operate under the charters of the Quebec, Montmorency & Charlevoix Railway and the Quebec District Railway will double-track the railway to St. Anne and change the motive power to electricity. Another electric road will be constructed to Montmorency, and it is probable that a new hotel will be built at Montmorency Falls. —David Ouellet, architect, is preparing plans for two new buildings to be erected for the Hotel Dieu, Levis, with all modern appliances. —E. M. Talbot, architect, is preparing plans for the following work. Alterations to a store at St. Marie de Beauce for Thos. Dallaire; residence to be built on St. Vallier street for Jos. Bergeron; city hall, with fire station, at Limoilou.

HAMILTON, ONT.—The promoters of the Hamilton, Chedoke & Ancaster Electric Railway state that the line will be constructed to Hamilton provided the council buys the Beckett mountain drive. —The Intercolonial Railway Company will apply for an extension of time for the completion of its line to Guelph. It is said that work will be commenced as soon as the legislation is procured. —W. W. LaChance, architect, will receive tenders up to noon of the 24th inst. for the erection of a school house on lot 5, concession 11, Barton township. —As the present contract for electric street lighting expires in less than two years, Alderman McAndrew has given notice of his intention to move that a committee be appointed to consider the advisability of establishing a municipal lighting plant. —Brown, Boggs & Co. intend building a blacksmith shop and large moulding shop just north of their factory on Victoria avenue. —W. W. LaChance, architect, has completed plans for a residence for S. Kemp, to be built on Herkimer street. —John Stuart has been granted a building permit for a two storey brick dwelling, Wellington street north, cost \$1,100.

LONDON, ONT.—The Minister of Militia has promised to visit this city shortly for the purpose of deciding as to the advisability of erecting an armory here. —At the last meeting of the Sewerage Committee of the City Council, Mr. Willis Chipman, consulting engineer, and Mr. A. O. Graydon, city engineer, were asked to report as to the best method of dealing with the sewage after it enters the river, with special reference to the use of flood-gates in the waterworks dam. —The Hospital Building Committee held another meeting last week and considered matters affecting the proposed hospital. A resolution was passed asking the city engineer to prepare plans, in conjunction with Messrs. Moore & Henry, architects, for a new hospital capable of providing for 100 patients, leaving the present buildings as they are. —Building permits have been granted as below: Moore & Henry, architects, brick residence on Elmwood avenue for John McMartin, and tower and steeple on St. John's church; J. E. Boomer, brick addition, with felt and gravel roof, 181 Dundas street.

MONTREAL, QUE.—A deputation from this city and vicinity last week asked the Minister of Public Works for a subsidy for a bridge over the Ottawa river at Bout de l'Isle. —The Council have received a letter from the Minister of Militia and Defence asking if the city would be willing to contribute the sum of \$25,000 towards the erection of a barracks. —The churchwarden and syndics of St. John Baptist parish invite architects of the city to take part in the competition for the new buildings to

be erected for this parish. —James S. Smith, architect, has called for tenders for an extension to a house on St. Luke street for F. Gault. L. Z. Gauthier, architect, is preparing plans for extensive alterations to St. Patrick church at Ottawa, tenders for which will shortly be invited. —Jas. Wilson & Son, architects, are preparing plans for a residence on Upper Stanley street for James A. Gillespie, to be built of pressed brick, with bath-stone trimmings; hot water heating. Tenders will be called this week. Same architects have prepared plans for the enlargement of Bishop's College, Lennoxville; iron and terra cotta construction; hot water heating. —John McDougall, of the Caledonian Iron Works, will commence work this spring on a new machine shop, 175 by 80 feet. —It is understood that Mr. Berthelaine, proprietor of La Presse, will erect a large office building at the corner of St. James street and St. Lambert hill. The building will be seven stories high, with large dome.

TORONTO, ONT.—At a special meeting of the Board of Works held last week, Mr. McDougall, of the North American Sanitary Engineering Co., of Detroit, explained a method of sewage disposal, in view of the fact that this question is now being considered by the city council. —Mr. F. H. Herbert, architect, has invited tenders and will let contracts this week for the remodelling of store property at No. 92 and 94 Yonge street, for the Cawthra estate. —It is estimated that the proposed bridges across Blockhouse Bay at the Island will cost \$10,000. The city engineer will ask the Board of Works for an appropriation of \$29,000 to be expended in repairing the pavements between the street car allowance. —Tenders are invited by the city until the 30th inst. for the supply of 100 tons of unbroken stone. —The Assessment Commissioner has reported in favor of granting the concessions asked for to the Massey-Harris Co. for the proposed extension of their factory. —The Toronto Street Railway Co. have had plans prepared for several proposed extensions to their system, including a second line down Station street. This line will be built as soon as the bridge across the Yonge street track is built by the city. This bridge is estimated to cost \$200,000. —The city will invite tenders for a 2000 h.p. and also for 6000 h.p. electric light plant to be installed in the new municipal buildings. —Building permits have been granted as follows: W. V. Ecclestone, 48 Macdonell avenue, two brick dwellings, west side Close avenue, near Queen street, cost \$4,800; A. R. Denison, for the Cawthra estate, store building, corner Yonge and Temperance streets, cost \$50,000; T. Eaton Co., one story mansard addition, 198 Yonge street, cost \$2,500; Good Sheppard Retreat Monastery of Our Lady of Charity, addition, 14 West Lodge avenue, cost \$20,000.

OTTAWA, ONT.—E. F. E. Roy, secretary Department of Public Works, will receive tenders until Monday, April 4th, for the construction of pile work in the harbor of Meaford. —Frederick Bonney and John R. Tenant purpose starting a paper mill in this city. The building adjoining the street railway power house has been purchased, and will be fitted up with the necessary machinery, at a cost of \$60,000. —A company, in which Messrs.

James Perry, B. Slattery and R. J. Farley are interested, have made a proposition to the village of Rideauville to construct waterworks and electric light systems. A petition in favor of the proposition is being circulated for signature. The Council of Ottawa East will at its next meeting consider plans submitted by E. J. Rainboth for waterworks and drainage systems, also an offer for electric lighting from the Deschenes Electric Light Co. —Bate & Co. have commenced the erection of a large store on Rideau street, four stories, 33 by 99 feet, brick, with terra cotta and sandstone front and large bevelled plate glass windows. —A building permit has been granted to A. Duncan for a brick veneered house on King street, to cost \$1,400. —Mr. Fraser, of Guysboro, is looking after the bill to incorporate the Ottawa, Montreal & James Bay Railway. The applicants are Geo. H. Purley, Alex. Lumsden and Wm. B. Ross. The railway will start from Montreal, Labelle or Hull, and is to extend north to the sources of the Gatineau and St. Maurice rivers and thence through the Northeast Territory to James Bay. The capital stock is \$10,000,000. —The Calgary and Edmonton Railway Co. want a charter to build from Edmonton to a point on the Crow's Nest Pass Railway. —The Canadian Fire Underwriters' Association, in a report just submitted to the Council, state that \$,000 feet of new hose is required, also two coal tenders, a chemical engine and hose wagon, 50 salvage covers, more capacity at the pump house, extra mains and additional hydrants. —The Main Drainage Committee have recommended outlet "E." at Rockcliffe Park, for the proposed eastern outlet. The cost of carrying out the work is estimated at \$172,186. —At a meeting of citizens a resolution was passed favoring the construction of the proposed bridge across the Ottawa river at Bank street.

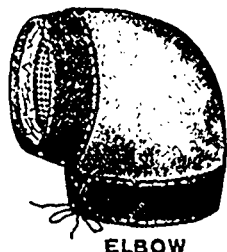
FIRES.

F. Ewer's residence at Welland, Ont., was burned last week. —St. Valentine Catholic church at Scottsville, Que., has been destroyed by fire; loss \$90,000, insurance \$15,000. —The residence of Edward Webb, at Peterborough, Ont., was burned recently. —At Drummondville, Que., on the 17th inst., fire destroyed the R. C. presbytery, at a loss of \$5,000. —D. McAllister's general store, the post office, and G. N. W. Telegraph office at Comber, Ont., were consumed by fire last week; partially insured. —A residence at Galt, Ont., owned by Wm. Caldwell and valued at \$5,000, was burned on Wednesday of last week; insurance, \$3,000. —The Lordly Furniture Manufacturing Co.'s premises at St. John, N. B., were burned last week, at a loss of \$10,000. —The dwelling of John Cook at Cookshire, Que., has been burned; insurance, \$1,500. —Coj's saw mill at Upper Gagetown, N. B., was burned on the 15th inst. —The new Grand opera house at St. Thomas, Ont., was gutted by fire on the 20th inst. The building is owned by Mr. Rothwell, of Detroit. —The school building in connection with the Provincial Agricultural farm at Bible Hill, Truro, N.S., was destroyed by fire on Monday last; loss \$6,000.

CONTRACTS AWARDED.

MAGOG, QUE.—The town has purchased a stone crushing outfit, including rock crusher, screen and engine, from the

(Continued on page 4).



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MONTREAL

WINNIPEG

Good Roads Machinery Co., Hamilton, Ont.

ARNPRIOR, ONT.—Mr. Grant, of this town, has secured the contract for a new bridge at Burnstown.

GRANBY, QUE.—The contractors for the Granby Rubber Co's factory are Neil & Kent; cost \$6,500.

LANARK, ONT.—The contract for the Lanark & Drummond cheese factory has been let; price \$1,540.

BRANTFORD, ONT.—Shultz Bros. have the contract for a \$5,000 wing to the Massey-Harris Co.'s works.

BRANDON, MAN.—The contract for McLeod & Hanby's implement warehouse has been let to Geo. Stirrett.

WALKERTON, ONT.—The contract for seating the new town hall has been let to the Dundas Chair Company.

SUSSEX, N. B.—Geo. Erb has received the contract of building a parsonage for the Free Baptist congregation.

CHATHAM, ONT.—The successful tenderer for the county House of Refuge is Blonde Bros., of this town; price \$14,222.

SHEDDEN, ONT.—Lang Anderson has the contract of building a bridge over the Thames River at Tai's corners; tender \$3,900.

MONCTON, N. B.—Paul Lea, of this town, has the contract for the woodwork of the New Windsor academy; price about \$10,000.

RALEIGH, ONT.—The tender of Park Bros. of Chatham, for a centrifugal steel pump, has been accepted by the Raleigh township; price \$3,000.

NEW GLASGOW, N. S.—The contract for building the Midland railway from Windsor to Truro has been let to Fitzpatrick Bros., of this town. The distance is 60 miles.

HAMILTON, ONT.—The Board of Works have reversed their decision in awarding the lumber contract, and have accepted the tender of M. Brennan & Sons, at \$12.65 per thousand feet.

ST. THOMAS, ONT.—The tender of Robert Campbell, of Hamilton, for sewer pipe, and that of the Owen Sound Cement Co., for cement, have been accepted by the city council.—Ed. Lye & Sons, Toronto, will supply a pipe organ for the Central Methodist church.

QUEBEC, QUE.—Building permits have been granted as follows: One building, three stories, brick front, 36x44 ft., on Charest street, for Mr. Elz. Cote; contractor, J. B. Gincherau. One building, two stories, 25x30 ft., wood lined in brick, on Sauvagean street, for Mde. C. Laberge.

HULL, QUE.—Jos. Bourque, of this town, has the contract of finishing the interior of the Catholic church in Chapeau, cost \$9,000.—The Hull Electric Co. have awarded the contract for a 400 feet water chute at Aylmer Park; M. C. Eedy, architect.—\$2,000 of bonds have been sold by F. A. Labelle, notary, of this city, at 100 $\frac{1}{2}$.

OTTAWA, ONT.—Smith & Whelan have secured the contract of building an addition to the Davidson block on Sparks street; Hewitt & McLaren, architects.—A. M. Calderon, architect, has let the masonry and pressed brick contract of a residence on Elgin street for J. W. McRae, to Jos. Bourque. Mr. Bourque is also the successful contractor for the Precious Blood Monastery on Sandy Hill, his tender being \$57,000.

TORONTO, ONT.—The Fenson Elevator Works, of this city, are supplying the freight and passenger elevators for the new custom's house and post-office building at Victoria, B. C.—Burns & McCormack secured the contract for laying a 12 inch water main on King street west, at \$1,125.45.—Three tenders were received for storm sash for the Isolation Hospital. Two of these were informal, not being accompanied by deposits. The tender of Arthur W. Strickland, of Euclid avenue, was accepted; price, \$421.23.

COLLINGWOOD, ONT.—A new brick printing office is now being built on Simcoe street, for Mr. Wm. Williams, proprietor of the Collingwood Bulletin; total cost \$2,200. Brick and stone work is let to contractor Tourges; woodwork to the Bryan Mfg. Co.—A large brick stable has just been let to Arthur Court and Wilson Bros., the former doing the brickwork, the latter the woodwork. Cost \$1,200. The building is in connection with the Arlington Hotel, the property of James McFayden.—Mr. Henry Wynn has contracted for the laying of about 1200 yards of cement sidewalk on Hurontario street, and will commence work forthwith.

STRATFORD, ONT.—The following tenders were received for works in connection with the new municipal building: Bulk tenders—George Weaver, Stratford, \$38,500; Wm. Clarke, Toronto, \$38,900;

Coleman Lumber Co., Burlington, \$38,500; W. Harding, Stratford, \$35,000; David Eason, Stratford, \$34,236; Wm. Daly, Stratford, \$34,203; James L. Youngs, Stratford, \$29,980; E. A. Cawsey, Stratford, \$29,000. Carpenter work—Coleman Lumber Co., Burlington, \$9,745; James L. Youngs, Stratford, \$9,700. Brick and mason work—George Weaver, Stratford, \$18,660; E. A. Cawsey, Stratford, \$15,457. Plumbing—A. Brandenberger, Stratford, not including electric wiring, \$2,375; A. Ward, including electric wiring, \$1,500; Keith & Fitzsimmons, Toronto, including wiring, \$1,150; J. A. Caslake, Stratford, including wiring, \$2,108. Slatting—W. D. Hutson & Son Toronto \$628; G. W. Brown, Brantford, \$605. Painting—W. McMillan, Stratford, \$1,635; W. Casson, Stratford, \$1,900. Electric wiring—Rogers & Co., Toronto, \$197; W. R. Gray, Toronto, \$273. As announced in last issue, the tender of E. A. Cawsey has been accepted.

MONTREAL, QUE.—R. Findlay, architect, has accepted the following tenders for four residences on St. Catherine street for T. C. Bulmer; masonry, R. Sharpe; carpenter work, Bulmer & Bulmer.—G. A. Monette, architect, has awarded the following contracts for a residence at Notre Dame de Grace for J. P. Decarie, M.P.P.; general contractor, Israel Crevier; Masonry and brickwork, F. Du-

(Continued on page 5.)

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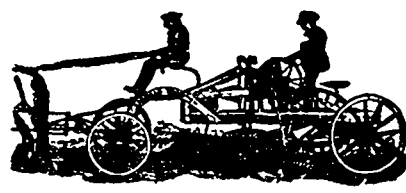
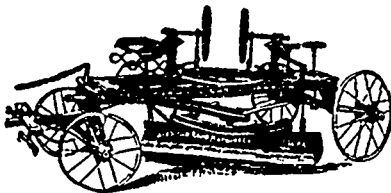
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fresne & Son; roofing, plumbing and heating, J. A. Giroux; painting, E. Berthelette; plastering, A. Cusson.—A. F. Dunlop, architect, has let the contract for a large building for the S. Carsely Co., on St. James street, with white marble front, to Simpson & Peel. The sub-contractors are: Masonry and brickwork, Wighton & Morrison; plumbing, etc., John Watson; iron work, Dominion Bridge Co.—Saxe & Archibald, architects, have let contracts as follows: Cottage on Grosvenor avenue, Westmount, for Thomas A. Lynch; masonry, John Quinlan; brickwork, Euclide Gauthier; carpenter work, A. Strang; roofing, heating and plumbing, E. C. Mount & Co.; plastering, Jos. Fabien; painting and glazing, W. J. Ryan; electric wiring, G. Scott.—Building permits have been granted as follows: House, wood, lined with brick, on Beaudry street, for F. X. Laliberte; two houses on Stanley street for Dame A. Duperrault. Architects, Gamelin & Hunt; masonry contractor, Durocher & Bros.; carpentry, L. E. Barie.

MARKET CONDITIONS.

The somewhat unexpected activity in building operations in Toronto has resulted in a scarcity of stock brick. During the dull period some brickmakers ceased manufacturing entirely, while others greatly curtailed their output. The supply this spring was therefore very meagre, and quite insufficient to meet the demand which has been experienced. Many buildings have thus been delayed, and work which otherwise would have been commenced before this will be postponed for a month or two. Prices of brick have consequently advanced, the range now being from \$7.25 to \$7.50 for good common.

In the plumbing trade the feature of the past week has been a reduction by the manufacturers in the price of lead-traps, in order to shut out, if possible, those of United States manufacture. The new list, which is as follows, applies only to Ontario and the west:

	1 1/2 in.	2 in.	3 in.	4 in.
Full S.....	\$ 50	\$ 60	\$1 05	\$1 85
1/2 S.....	50	60	1 05	1 80
P.....	45	55	95	1 60
Running.....	40	50	00	1 55
Running V.....	45	55	95	1 70
Bag.....	60	80	1 35	2 15
S Bend.....	22	30	45	1 00
L Bend.....	28	35	60	1 45

EXTRA HEAVY.

Fulls.....	85	95	1 40	2 40
1/2 S.....	85	95	1 40	2 35
P.....	75	85	1 25	2 15
Running.....	65	75	1 00	1 85
Running V.....	65	85	1 25	2 25
Bag.....	1 05	1 20	1 85	2 90
S Bend.....	36	45	60	1 05
L Bend.....	48	58	80	1 30

STANDARD.

For extra long traps and bands add.....	3	4	6	8 1/2	10
Extra heavy — For each inch over regular size.....	5 1/2	6 1/2	8	10 1/2	12 1/2

Increased orders for heavy iron and metals are reported from Montreal, and the tendency is firmer. Iron pipe particularly is in good demand.

There is a good demand for cement,

and prices have advanced slightly. English manufacturers are crowded with orders, notwithstanding that they advanced prices a couple of weeks ago and now announce a further rise of sixpence per barrel. The Dominion government have invited tenders for 120,000 barrels, for the Soulanges canal, and will likely want some 80,000 barrels more for the Trent Valley canal. English brands are quoted at Montreal at \$2.10 to \$2.20 and Belgian at \$1.85 to \$2 per barrel. Fire-bricks range from \$16 to \$21.

Winnipeg brick manufacturers are experiencing a lively trade. There is a feeling that the local yards will not be able to supply the requirements, and builders are thus induced to contract in advance of immediate requirements. In that city the building season has opened with splendid prospects.

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FILTER BEDS CONSTRUCTION AT BEAVER LAKE, VICTORIA, B.C.

Mr. A. E. Wilmott, city engineer of Victoria, B. C., in a recent report, gives a brief description of the steps that have been taken to supply that city with filtered water. The results obtained have not been altogether satisfactory. It appears that in October, 1894, the city engineer was instructed by the Council to have a survey made, and submit a plan and estimate of cost of constructing a filter bed, having a daily capacity of three million gallons, for the supply of water to the city. From the information obtained, the engineer concluded that the best location for the filter beds would be on the solid ground a short distance below the outlet of Beaver Lake, and based his plans and calculations for the work accordingly.

On the 5th of December following the information asked for by the Council was ready. But as, at that time, an expert from Tacoma was introduced to report on the waterworks question, the city engineer was directed not to submit his report and estimate until the expert had reported. When the report of the latter was submitted, it was decided by the Council to call for competitive plans for the construction of the filter bed.

As a result, the location of the filter beds and reservoir were fixed in the bay near the outlet of the lake, and a contract let for their construction in July, 1895. After the principal part of the work had been constructed, including all the concrete walls, culverts, gate chambers, and the excavation for the reservoir, excepting a small quantity of the west side, the engineer, Mr. Jorgenson, who designed the works, and under whose direction they were being carried out, was removed, and the city engineer was authorized by the Council to supervise the carrying on of the work, the city taking the work of facing the slopes of the reservoir off the contractors' hands. In July following, the contractors claimed the works to be completed, but on account of the low stage of water in the lake there was no opportunity afforded of testing them until December, 1896. The ground having become saturated from the effect of heavy rains, a subsoil water leaked through, and under the west wall of the west filter bed, sufficiently to raise the water in that bed above the surface of the filtering sand, although at that time the water outside the main dam, between it and the cofferdam, stood below the level. There was also considerable leakage into the filter beds from the fact that the frames of the intake valves were not so connected with the wall as to be watertight. The contractors were notified to have the defects remedied, and after this was done another test was made. This test demonstrated that water still

leaked from one filter bed into another, into the reservoir, and into the space outside the main dam.

The contractors declined to do anything further towards rectifying the existing defects, and it was decided by the Council that the corporation would proceed to do so, as far as practical, the expense to be paid out of the balance of the contract sum retained by the city, amounting to \$25,000.

The filtering material was removed to permit of an examination being made of the floor and walls below the level of the sand surface. It was ascertained that unfiltered water leaked directly through the main dam wall, also that the provision made for conducting water into each filter bed was by means of an unlined passage through the main dam wall, the material of the latter being of such a nature as to allow of the free circulation of unfiltered water all through the wall and into the filter beds. Other leakages were also discovered, and the floor of the filter bed was found to be cracked in some places. The city engineer reported that it was not reasonably practicable to make the works watertight when the main dam wall and the wall between the filter beds and reservoir were founded for a portion of their length on porous gravel, the foundations for the conduits and division walls constructed of dry masonry, and the walls themselves porous in many places. Under the circumstances he recommended the construction of a clay puddle embankment in front of the main dam wall, extending in height from hard bottom to about 2½ feet higher than the sand surface in the filter beds, all holes and cracks in the wall to be filled with cement and the face of the wall to receive two coats of neat cement, cast iron pipes to be placed through the main dam wall to convey water into the water beds in order to prevent it percolating throughout the porous concrete wall, all visible cracks and openings to be stopped with cement. The floor to be coated with concrete two inches minimum thickness, the walls to be faced for a height of five feet above the floor with cement rendering half an inch in thickness, the west wall to be faced with brick in cement nine inches thick, five feet high, to prevent subsoil water running into and distributing the filtering material.

Some of this work was carried out during 1897, and the whole of the reconstruction of the filter beds will shortly be completed. About \$10,000 will yet have to be expended in completing the reservoir.

The work in the reservoir was greatly retarded and the expense increased in consequence of the flow of water from underneath the filter beds, which necessitated the continuous use of a steam pump to keep it down.

Regarding the work the city engineer

says: "While of opinion that the course adopted by the Council in the matter of filter bed repairs is the best that under the circumstances could have been pursued, I take this opportunity to most emphatically disclaim any responsibility whatever as regards the success or otherwise of the works, having had no voice in the matter of their location or design."

"One fact," he says, "is pretty clearly demonstrated by these experimental filters, viz., that the fine vegetable matter contained in the water gradually retards the filtering capacity of the sand to a very appreciable extent, and would render necessary the frequent cleansing of the filter beds. If, as it is reasonable to suppose from existing circumstances, the water in Elk Lake contains much less vegetable matter than the Beaver Lake, the work to be performed by the filters would be greatly lessened, and the expense of cleansing the filter beds reduced, by drawing the water direct from Elk Lake. In the opinion of the writer the most economical method to adopt for that purpose would be to lay a submerged wooden stave pipe, say 30 inches in diameter, from the dam through Beaver Lake into Elk Lake, and construct a sand and gravel embankment across the upper end of Beaver Lake at its junction with Elk Lake. The material composing this embankment would be of such a nature that water percolating through it from Beaver Lake into Elk Lake would, to a certain extent, be filtered, and thereby diminish the work to be performed by the filter beds. By adopting this method the city would have the benefit of drawing water direct from a purer source without diminishing the available area of the watershed. In the event of this work being carried out, it would be necessary to provide against the danger of damage to pipe from the effect of rising to the surface of those bodies of vegetation that form the float-islands."

The Waterous Engine Works Co., of Brantford, Ont., have made arrangements to build the Buffalo Pitts road roller for the Canadian trade.

Messrs. W. J. Elliott and J. A. Pennycook, representing a company which have purchased the patents on a new process of manufacturing gas from garbage, recently gave an explanation of the process before members of the Toronto city council. It is claimed that sufficient energy can be obtained from the 50 tons of garbage daily deposited at the crematories to light between 1,200 and 1,500 arc lamps for 12 hours, and that the 40,000 loads of sweepings which are annually removed from the streets would give a large quantity of energy for manufacturing purposes. It would be necessary, they stated, to build a trunk sewer and erect works, when gas could be manufactured for fifteen or twenty cents per one thousand cubic feet. Between 10,000 and 15,000 cubic feet of gas could be generated from one ton of garbage.

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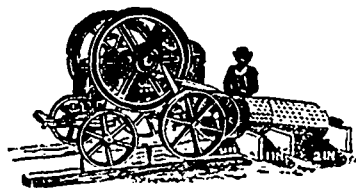
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Table listing lumber prices for various types of wood, including mill cull boards, shipping cull boards, hemlock scantling, and various sizes of flooring and shingles.

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Table listing brick prices for common walling, good facing, and sewer.

SAND.

Table listing sand prices per load of 1 1/2 cubic yards.

STONE.

Table listing stone prices for common rubble, large flat rubble, foundation blocks, granite, and various types of ashlar.

OHIO FREESTONE.

Table listing Ohio freestone prices for various dimensions and types of blocks.

CREDIT VALLEY STONE.

Table listing Credit Valley stone prices for rubble, brown coursing, and various dimensions.

LONGFORD STONE.

Table listing Longford stone prices for rubble and ashlar.

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Table listing architects and their addresses, including Ontario Directory, Quebec Directory, and various architectural firms.

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Table listing cement companies and their products, including Bremner, Alex., Currie & Co., W&F.P., and others.

Limos.

Table listing limo companies and their services, including Currie & Co., W&F.P., and others.

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Table listing roofing companies and their services, including Campbell & Gilday, Douglas Bros., and others.

Table listing various building materials like dimension, Kent Free stone, River John, and Quebec and Vermont rough granite.

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Table listing slate prices for roofing and various types of slate.

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Table listing iron pipe prices for various sizes and types.

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