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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.

AUGUST 17, 1898

No. 29.

THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

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

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Information solicited from any part of the Dominion regarding contracts open to tender.

Advertising Rates on application.

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Tenders for Bridge

Sealed tenders for the Construction of an Iron Bridge over the Madawaska river at Arnprior, Ont., will be received by the undersigned up to the 30th AUGUST, 1898, at 7 p.m. Plans, specifications and forms of tender may be seen at the office of the Town Clerk, Arnprior, and at the office of Frank A. Hibbard, Esq., C.E., Ottawa.

Piers and super-structure to be separate tenders. No tender necessarily accepted. A deposit equal to 5 per cent. of tender to accompany each.

SAMUEL KEDEV,
Chairman Bridge Committee.

CITY OF BRANTFORD

FLOOD PREVENTION WORK

Sealed tenders, endorsed "Tender for Flood Prevention Work," and addressed to Charles Whitney, Esq., Chairman of the Board of Works, Brantford, Ont., in care of the City Clerk, will be received till Noon on

SATURDAY, AUGUST 20th, 1898,

for the following work:

Steel Highway Bridge over part of Grand River—100 feet span;
Concrete Pier;
Abutment of Stone and Concrete;
Timber Sluiceway Dam;
River Excavation, Embankments and Rip-Rap Walls.

Plans and specifications may be seen and forms of tender obtained at the office of the City Engineer, Brantford, on and after August 6th, 1898. A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 5 per cent. on the value of the work tendered for, must accompany each and every tender, otherwise they will not be entertained.

The lowest or any tender not necessarily accepted.

CHARLES WHITNEY,
Chairman Board of Works.

T. HARRY JONES,
City Engineer.

City Hall, Brantford, August 2nd, 1898.

CITY OF WINNIPEG WATERWORKS

Proposals, addressed to W. G. Bell, Chairman Fire, Water and Light Committee, Winnipeg, Man., will be received at the office of the undersigned up to 8 o'clock on TUESDAY EVENING, THE 6th DAY OF SEPTEMBER, 1898, for the Construction and Supply of a System of Wells and Pumping Plant, for the supply of 4,000,000 gallons of water daily to the reservoirs of the city.

Information and specifications may be obtained from H. N. Kuttan, City Engineer.

C. J. BROWN,
City Clerk.

Tenders Wanted

Tenders, separate or in bulk, addressed to the undersigned, will be received up till Noon, WEDNESDAY, SEPT. 7th, for the various trades required in

REMODELLING AND ENLARGING THE COUNTY COURT HOUSE
in the City of St. Thomas, Ont.

Plans and specifications may be seen and forms of tender obtained on and after Monday, August 22nd, at the office of N. R. Darrach, Architect, St. Thomas, Ont. A marked cheque, payable to the Treasurer of the County of Elgin, for 3 per cent. of the amount, must accompany each tender.

The lowest or any tender not necessarily accepted.

K. W. MCKAY,
Clerk of the County of Elgin.

TENDERS

Tenders will be received by the undersigned (per registered post) up to

August 22nd Next, at 4 P.M.,

for the taking up of the present six-inch Silver Creek Sewer, and re-laying in same trench a twelve-inch Sewer, about 2,550 feet in length, according to plans and specifications which can now be seen at the Clerk's office, Walkerton.

A deposit in the form of a marked cheque for 2½ per cent. of the amount of contract price must accompany each and every tender, also names of parties offered as security for the due completion of the work.

A. MENZIES, Mayor.

Walkerton, August 10, 1898.

CONTRACTS OPEN.

DURHAM, ONT.—Alex. McLachlan has taken tenders on a brick store.

HULL, QUE.—The city will construct a number of granolithic sidewalks.

BOUCHERVILLE, QUE.—A boys' school will be erected here by the Catholic school commissioners.

PEMBROKE, ONT.—A new summer hotel will be built at the mouth of the Petewawa river.

INGERSOLL, ONT.—John Hill has purchased property on King street, on which he will erect a residence.

DESERONTO, ONT.—The Rathbun Co. are reconstructing their terra cotta works, destroyed by fire recently.

CHRYSLER, ONT.—Rev. Father Macdonald is endeavoring to raise funds to erect a new church here.

BUCKINGHAM, QUE.—There is some talk of a large summer hotel being erected at High Falls next summer.

EDMONTON, N. W. T.—Edmiston & Flater, architects, are taking tenders this week on a frame dwelling.

ROSSLAND, B.C.—There is an agitation in favor of municipal ownership of electric light and waterworks systems.

CHIPMAN, N. B.—The Baptist and Presbyterian congregations will each erect a new church in the near future.

SMITH'S FALLS, ONT.—G. T. Martin is preparing plans for the renewed shop for Shaw & McKerracher at Perth.

WEST SHEFFORD, QUE.—L. V. Marchessault has begun work on the foundation for his new business block.

LYN, ONT.—John Halliday wants tenders by August 30th for the purchase of \$460 of 5 per cent. debentures.

KINGSTON, ONT.—Mr. Macpherson, of this city, is locating a lot at the Sandbanks on which to erect a cottage.

UFFINGTON, ONT.—Robert Fielding invites tenders up to 20th inst. for erection of residence on Bay street, Gravenhurst.

RAT PORTAGE, ONT.—Three gentlemen of this town are figuring on building a \$20,000 hotel at Fort Frances next summer.

HALIFAX, N.S.—Tenders have been invited for heating apparatus for Morris street school. Elliott & Hopson, architects.

LACHINE, QUE.—T. Geoffrion, of Montreal, has asked the Council to grant him a bonus of \$20,000 to establish a boot and shoe factory here.

GALT, ONT.—The Council has resolved to engage an engineer to report on the advisability of installing a municipal electric light plant.

PORT DOVER, ONT.—The Methodists are about to ask tenders for the building of a new church, to be ready for occupation on Nov. 15.

BURK'S FALLS, ONT.—James Sharpe, secretary Burk's Falls Training Institute, invites tenders until 1st September for supplemental heating apparatus.

LINDSAY, ONT.—Messrs. Culverwell and White-Fraser have notified the Council that they are now prepared to proceed with their transmission scheme.

GLENCOE, ONT.—Proposals are invited until to-day (Wednesday) for the purchase of \$5,000 of debentures. The funds are required for building a town hall.

NEW GERMANY, N. S.—The Acadia Pulp and Paper Mills Company propose building a dam across the outlet of the LaHave Lake, to be 600 feet long.

GORE BAY, ONT.—A telephone company may be formed here, to construct a line between Gore Bay, Meldrum Bay and Evansville. The distance is 58 miles.

NEWMARKET, ONT.—The ratepayers

have voted in favor of a bonus of \$5,000 to the Office Specialty Manufacturing Company towards enlarging their factory.

FORT WILLIAM, ONT.—A by-law to provide \$40,000 for waterworks purposes, repealing the by-law for \$25,000 already voted, was defeated by the ratepayers last week.

FIELD, B.C.—A new C.P.R. roundhouse will be built here. The workshops at Revelstoke will be equipped with an entirely new plant of the most improved make.

CRANBROOK, ONT.—Arrangements are said to have been made for the building of a smelter and refinery here, and for the installation of a plant for generating electricity.

PORT ARTHUR, ONT.—It is said that Geo. H. Macdonell, ex-M.P., has been offered the contract for the second twenty miles of the Ontario and Rainy River railway.

WILKESPORT, ONT.—Ora Bishop, clerk of Sombra, will take tenders up to Sept. 3rd for the construction of the Reid drain (estimate, \$306), and the Arnold drain (estimate, \$1,605), in the township of Sombra.

WELLAND, ONT.—C. H. Reilly, chairman Road and Bridge Committee, is open to receive tenders up to August 20th, for the construction of about 3,600 square feet of cement sidewalk, including five crossings.

GRAND MERE, QUE.—An effort is being made to organize a club here. The project includes the erection of a three thousand dollar club house, concert hall bowling alley, etc.

STRATFORD, ONT.—The township of Downie has taken action against the city for the pollution of the waters of the river Avon, occasioned by the city sewage being emptied into the river.

ORILLIA, ONT.—R. A. Jupp wants tenders by 20th inst. for the necessary repairs to two bridges over the Severn River known as the West Branch bridge and the Bennett bridge.

BARRIE, ONT.—On Monday last the ratepayers sanctioned a by-law to raise \$35,000 for the installation of a municipal electric light plant. Tenders for the plant were taken some weeks ago.

OSHAWA, ONT.—James Robson & Sons, of Montreal, have purchased the factory at Cedarvale, and purpose converting it into a tannery. It is probable that the Oshawa Electric Railway will be extended to the works.

BRANTFORD, ONT.—The Committee on Manufactures have recommended that George Hall be appointed to prepare plans specifications of the alterations wanted by the Scissors Co. in the Waterous building.

HAWKESBURY, ONT.—The foundation of the new pulp mill to be built by the Riordan Pulp Company has been commenced. The buildings will be quite extensive, eight stories high, and covering three acres of ground.

CORNWALL, ONT.—Of the \$35,000 to be borrowed by the town, \$10,000 will be used to pay off the floating debt, and the remainder to purchase modern road machinery and build roads. About a mile and a half of granolithic sidewalks will be laid this year on the local improvement plan.

MONCTON, N.B.—The water supply is unsatisfactory. To effect a permanent remedy, the city engineer points out that a canal costing about \$4,700, or a filter costing about \$20,000, will have to be constructed at the works.—Tenders close August 22nd for erection of grain elevator at Halifax, N.S.

NELSON, B.C.—Reisterer & Co. will erect a stone and brick addition to brewery, to cost \$10,000.—Mr. Holbrook is about

to erect a crematory.—The city has sold to the Bank of Montreal \$65,000 of debentures. The funds will be used in extending the waterworks and sewerage systems and in purchasing an electric light plant.

ST. JOHN, N.B.—Dominion government representatives were in the city recently selecting a site for the proposed elevator, for which tenders will shortly be called. It is said that D. F. Maxwell, C.E., has been ordered by the City Council to prepare plans for the proposed wharf extension in connection therewith.

WINNIPEG, MAN.—An addition, to cost \$8,000, will be made to the Union boot and shoe factory.—A local company has announced its intention of utilizing a part of the water power of the Winnipeg river. The project includes the establishment of an electric railway to extend from the mouth of the Whitemouth river to points on the Winnipeg river.

VICTORIA, B.C.—Bodwell & Duff, solicitors, give notice that an application will be made to the Dominion parliament for an act to incorporate a company to construct a railway from the International boundary line, at or near Cascade City, to Carson, also from another point on the said boundary line, near Medway, to a point about twenty miles north of Medway.

ST. CATHARINES, ONT.—It is believed that the deal for the purchase by an American syndicate of the Niagara Central railway will be concluded. Two representatives of the syndicate, Messrs. Loss, of Buffalo, and Gibbs, of New York, were here recently, investigating the outlook of converting the road into an electric system, and extending it to Port Dalhousie and Beamsville.—Some improvements are contemplated in the interior of the drill shed here.

WOODSTOCK, ONT.—D. W. Karn is about to commence work on the erection of two stores on the vacant lot adjoining Bickerton Bros.—Chief Engineer Middleton, of the new Brantford & Woodstock railway, has received instructions to proceed at once with the survey of a line from Brantford to Niagara Falls by way of Hamilton, to connect with the new Brantford and Woodstock railway. The company has probably decided that it would be cheaper to build an entirely new line than to rebuild the T., H. & B. and the Niagara Central.

VANCOUVER, B.C.—B. B. Johnston & Co. have sold a block of property on Burnaby, Pendrill, Nelson and Hornby streets, on which the new proprietors will erect a large office and store building. This firm are also making arrangements for the erection of another large building.—Tenders are asked by Cesare J. Marani, Bank of B.N.A. building, up to September 15th, for the improvement of the creek known as Wilson's creek (and the construction of a 3½ ft. ditch according to profile in connection therewith) in the neighborhood of lots 40 and 268, group 2. Particulars from J. Howe Bent, at Chilliwack.

PETERBORO', ONT.—It is the intention of the Peterboro' Light and Power Company to erect a new power house.—At the last Council meeting, it was decided that the Street and Bridge Committee be authorized to ask for tenders for bridges on Dalhousie street, Sherbrooke street, Donegal street and Smith street, over the creek. The Council has also authorized the calling of tenders for a granolithic walk on north side of Charlotte street, and for granolithic and cement materials.—S. R. Armstrong, town clerk, wants tenders on behalf of the corporation up to September 1st for the supply of a 15 ton steam road roller, to be delivered immediately.

LONDON, ONT.—The city wants tenders up to Friday, 19th inst., for heating and ventilating, plumbing and an electric light plant at the Victoria hospital. H. C. McBride, architect.—It is stated that the

chief architect of the Ontario government will shortly take the levels of the proposed Normal school property, and that work on the building will be commenced within a fortnight.—John Hyatt has secured a permit for the erection of a one and one-half story brick residence on Egerton street, East London, to cost \$1,200.—Tenders for the Central avenue sewer have been invited.—Talbot street, between Carling and Albert streets, will be macadamized by the city.

CHARLOTTETOWN, P.E.I.—An agitation to construct a railway connecting the southern portion of the island beyond the Hillsborough with this city has been growing for years. A grant has been passed and a survey made of the proposed route, and it seems probable that the line will be constructed in the near future. A difficulty to be overcome is the bridging of the Hillsborough, which, at a point opposite the city, is about three-fourths of a mile wide. The Dominion government is asking the provincial government to co-operate in this latter undertaking and make the bridge one for ordinary traffic also.—Tenders for the purchase of \$50,000 of sewerage debentures are invited by D. Laird, chairman Sewerage Committee, up to August 23rd.

QUEBEC, QUE.—It is said that the management of the Chateau Frontenac contemplates running electric motor carriages to and from the railway stations next spring.—It is reported that Mr. Meiner, owner of Anticosti Island, intends erecting a large pulp mill on the island.—The Canadian Electric Light Company, of which Mr. Wilson Smith, of Montreal, is president, are announced to have in contemplation the development of the water power of the Chaudiere Falls, and supply of the electric light and power throughout this city. It is also reported that a United States company, under the management of Mr. E. W. Cooke, electrical engineer, of New York, purposes developing the water power of the Jacques Cartier river at Ste. Catharine for similar purposes.

HAMILTON, ONT.—Permits for buildings have been granted as follows: Wm. and Walter Stewart, building for the Y. W.C.A. on Main street, cost \$15,000; John Cooper, brick addition to hotel at King and Lock streets, cost \$500.—The smelting works will be fitted with electric lights soon. The company will put in ten arc and fifty incandescent lights.—The City Engineer has prepared estimates for macadam pavements on certain streets as follows: York street, from McNab to Queen, \$14,104, and without the street car track allowance, \$10,051; Hughson street, from King to King William, \$984; John street, from King to Rebecca, \$3,416; King street, from Wellington to Emerald, \$6,030. It was decided that John street, between King and Rebecca streets, should be paved with tar macadam, and that a sub-committee should wait on the Finance Committee to ask for a special appropriation with which to pave the other streets mentioned.—Charles Mills, architect, requests tenders by 23rd inst. for building a retail store on James street south for Pratt & Watkins.

TORONTO, ONT.—The Metropolitan Street Railway Company are reported to be considering the extension of their road to Schomberg.—The Independent Order of Oddfellows Society propose to erect, at an early date, an Oddfellows' Home. Mr. C. T. Campbell is chairman of the committee in charge of the project.—The City Clerk has received petitions for a brick pavement on Jarvis street, between King and Victoria streets; macadam roadway on River street, from Queen to Gerrard, and a gravel roadway on Dovercourt road, from Dundas to Churchill avenue.—Building permits have been issued as follows: G. A. Newman, dwelling on South Drive, cost \$3,000; Toronto Railway Company, one story car storage barn, east side of St. Law-

rence street, rear of King street car stables, roofed with galvanized iron, cost \$4,000; A. Manning, additional storey to printing office, 27 King street west, cost \$1,000; M. A. Thomas, brick fronting of houses at 226 to 233 College street, cost \$1,500; Robert Davies, brick cellars under eight houses, Nos. 467 to 481 Queen street east, cost \$1,500.

OTTAWA, ONT.—The by-law providing for a permanent roadway on Sussex street, from Rideau to Clarence, has been passed in council. The cost for the Trinidad pavement is given as \$15,080.—The city engineer has recommended the appointment of a committee to report as to the best method of increasing the pumping capacity of the waterworks.—The main drainage scheme will be submitted to a vote of the ratepayers on September 8th.—The following building permits have been granted: Robt. Cameron, brick dwelling, Wilbrod street, for Mrs. Kavanagh, cost \$2,000; Frank McDougall, rough cast dwelling, Cumberland street, cost \$800; Geo. A. Crain, public school building, Cambridge street, cost \$21,000; Bannister Bros., double frame dwelling, 2nd avenue, for J. H. Connor, cost \$1,600; L. N. Richard, brick veneered house, Hickey street south, cost \$1,200.—A new order of nuns, known as Servants of Jesus and Mary, has been founded by Rev. Father Mangin, of Masson, and in a short time a large convent will be built on the Aylmer road near this city.

MONTREAL, QUE.—R. Findlay, architect, has in hand a public library at Westmount, of pressed brick and carved and moulded Ohio buff sandstone dressings.—The C.P.R. are said to be considering the erection of an hotel on Osborne street.—Wm. J. McDermott, of Craig street, has instructed an architect to prepare plans for a building to replace the old Irish National Hall, and to cost about \$80,000.—The Protestant Board of School Commissioners of Outremont, at a recent meeting, decided to erect a new school building. Messrs. Hart Denman, Russell and Watterson were appointed a committee to select a site.—The question of purchasing one or more fire boats is being discussed in some quarters.—Saxe & Archibald, architects, have prepared plans for a seven-story apartment house to be erected in the neighborhood of Dominion square. The building will be entirely fireproof, supported on steel columns, walls being supported on steel girders at each floor level. It is expected that operations will be begun this fall.—Tenders are at present being called for two houses to be erected on Grosvenor avenue for R. C. Henderson.

FIRES.

Recent fires included the following: Central Hotel at Berwick, N.S.; loss \$2,500. The hotel will likely be rebuilt.—P. F. Pillion's saw mill at Mansan Lake, near Ainslie, Que.—The tug Ainslie, owned by Maitland, Rixon & Co., of Owen Sound, Ont.; loss \$10,000.—Biette & Co.'s steam saw mill and cheese box factory at Chesley, Ont.; loss, \$3,000; insurance, \$1,000.—The following buildings at Madoc, Ont.: Methodist church; M. Bristol's sash, door and carriage factory; Windsor hotel, owned by J. L. McGuire; P. Sinclair's harness shop and dwelling, and buildings owned by G. Reid, W. Mullet, W. H. O'Flynn and W. Orr.—Works of the Jenckes Machine Company at Sherbrooke, Que., totally destroyed; loss, \$200,000.—Residence of Robert Grassie at Mount Albion Mills, near Hamilton.—Paper mills at Glen Millar, Ont., completely consumed.

CONTRACTS AWARDED.

PARRY SOUND, ONT.—Agricultural hall: Alex. Logan, contractor.
LINDSAY, ONT.—Sewer pipe for cor-

poration work: W. Bingham, successful tenderer.

BRODHAGEN, ONT.—Township debentures: Toronto General Trusts Company, purchasers.

VANCOUVER, B. C.—Block adjoining Dunn Hall: Saul & Bell, contractors; cost \$72,000.

GEORGETOWN, ONT.—Decorating Presbyterian church: Elliott & Son, of Toronto, \$650.

CHATHAM, ONT.—Richard Paxton has contract for repairing piers at Rond Eau. The cost will be \$3,500.

GRAVENHURST, ONT.—Town bonds: O'Hara & Co., of Toronto, purchasers, at premium of one per cent.

ANTIGONISH, N. S.—Rebuilding St. Bernard's convent: Angus McDonald & Son, Truro, price \$11,342.

INGERSOLL, ONT.—The Silica Barytic Stone Company has received contract for 75,000 square feet of paving in Harriston.

KASLO, B. C.—City hall and court house, Ewart & Carrie, architects. D. J. McLachlan, of Sandon, contractor, price \$7,977.

GLENCOE, ONT.—Bridge over Aux Sauble river, between Middlesex and Lambton counties: W. L. Bice, of Brinsby, contractor; price, \$1,033.

HALIFAX, N. S.—Intercolonial railway pier and sheds: Rhodes, Curry & Co., of Amherst, contractors. The pier will be 600 feet long by 160 feet wide.

COLLINGWOOD, ONT.—Improving residence of James Ironside: Matt & Stevens, contractors.—New residence for R. Nicol. Matt & Stephens, contractors.

LONDON, ONT.—Wiring Victoria hospital for electric lights: London Electric Company, \$1,300.—Sewer on Duchess ave: Harding & Leathorn, \$2,094.

QUEBEC, QUE.—The successful tenderers for \$150,000 of Quebec Harbor Commissioners' first preference bonds were Hanson Bros., of Montreal. Their offer was \$101.26 per \$100.

PETERBORO', ONT.—Stone crusher for town: Wm. Hamilton Mfg. Co., successful tenderer; price, \$1,025. Other tenderers were the Good Roads Machinery Co. and the Sawyer Massey Co.

RAT PORTAGE, ONT.—New central school: Kelly Bros. and Scott & Hudson, contractors.—New block for McKenzie & Belyea: Scott & Hudson, contractors. The plans show two stores in front of building, with lodge rooms and auditorium above.

HAMILTON, ONT.—The joint Gaol and Court House Committee have accepted the following tenders for building an addition to the registry office. Erskine Smith, bricklaying, \$820; J. Wallace & Son, ironwork, \$323.50; James McKee, plastering, \$50; Boothman & Hutchison, painting; Hamilton Wrought Iron Company, ironwork, W. J. Walsh, plumbing.

TORONTO, ONT.—The York County Commissioners have awarded the contract for the building of a steel bridge at Sutton to the King Bridge Company, of Cleveland, for \$1,311.—The Board of Control last week awarded contracts for an asphalt pavement on Colborne street, between Yonge and church, to the Warren-Scharffe Company, at \$7,330, and on Colborne, between Church and the market, to the Dominion Paving Company, at \$675.—Robt. M. Ogilvie, architect, has let contract for electric wiring, bells, etc., in Inspector Vaughan's house on Madison avenue to the Galvanic Battery Works Co., Wellington street west.

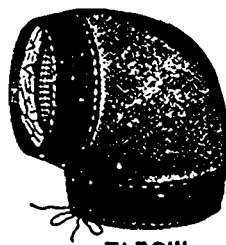
ROSSLAND, B. C.—John Honeyman, architect, representing a mining company, has let the contracts for the erection of a general office, laboratory and assay office, and a cottage residence. The contracts for the general office building and the laboratory have been let to McPhee & Dunlop, while W. R. Spence will build the cottage. The former will be 68 x 38 feet, two stories. The cottage will have ground dimensions of 32 x 50 feet, and will contain five rooms. The assay office and laboratory will occupy 38 x 45 feet of space and be a one story structure. All the buildings will be heated with steam radiators, and the steam will be supplied from the compressor plant of the company. The plumbing will be first-class.

MONTREAL, QUE.—Joseph Lamarche has contract for plumbing and heating apparatus for the new drill hall at Halifax, N. S.—Tenders for the new St. Jean Baptiste church have been awarded by J. Emile Vanier, architect, as follows: Masonry, H. Duford; wood work, C. Coteau; metal work, Hamilton Bridge Co.; plastering, F. Depatie; brick work, James Bebin; roofing, D. Ouimet; painting, Rollin & Parizeau; plumbing, Lesfort & Harrin; heating, Elois & Co.—Turgeon & Lafrenier have awarded the contract for the building of a stone house at 137 Berru street as follows: Masonry, Boucher & Huberdeau; carpentry, D. Houle; cost \$4,500.—J. B. Resther & Sons, architects, have awarded the contract for two houses, of stone, as follows: Masonry, Mr. Bons-

(Continued on page 4.)

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MONTREAL WINNIPEG

lier; carpentry, Z. Dufort; cost \$1,250 each.—Three additional buoys have been placed in the Saguenay at Chicoutimi and it is probable that the wharf asked for by Hon. Mr. Dobell, on which to construct a permanent lighthouse, at the foot of the Traverse, will be built. This work will cost about \$100,000.—Building permits have been granted as follows: Geo. Lamaux, two houses, 21-23 Seaton street, cost, \$2,000 each—masonry, M. Galarneau; carpenter work, D. Dulude. J. B. Zappa, one house, Desery street (L. R. Monbriand, architect)—masonry, E. Gauthier; carpenter work, Geo. Tebrault; cost \$1,800. J. B. Alarie, one house (Jos. Forget Despatie, architect)—masonry, A. Paquette; carpenter work, Lambert & Sons; cost \$9,000.

WINNIPEG, MAN Two story brick block, corner Fort street and Portage ave.: Wm. Brydon & Co., contractors. The building will be of pressed brick, cost \$25,000. The contract for large warehouse for J. I. Case Threshing Company has been let to Sinclair B. Ritchie.—The city council received the following tenders for waterworks supplies: Montreal Pipe Co., pipe per ton, all sizes, \$29.90; specials, \$49. Gartshore Thomson Pipe Co., Hamilton pipe, \$29.40; specials, \$48. Addington Pipe and Steel Co., pipe, \$32.85; regular specials, \$62.50; flange specials, \$75. American Pipe Co., pipe, \$31.45; regular specials, \$57.50; flange specials, \$75. Vulcan Iron Works, Winnipeg, valves, 4 in., \$7.45; 6 in., \$12.30; 8 in., \$17; 10 in., \$27; 12 in., \$32.65; 14 in., \$42.30; 16 in., \$51.95; 18 in., \$64.30; 20 in., \$74.30. Hydrants, 6 in., \$38.50; 8 in., \$48.50. Stevens Mfg. Co., London, valves, 4 in., \$6; 6 in., \$12.20; 8 in., \$20; 10 in., \$24; 12 in., \$29; 14 in., \$60; 16 in., \$65; 18 in., \$100; 20 in., \$115. Hydrants, 6 in., \$51; 8 in., \$69.50. R. D. Wood & Co., valves, 4 in., \$8.19; 6 in., \$12.21; 8 in., \$17.88; 10 in., \$27.30; 12 in., \$30.55; 14 in., \$47.45; 16 in., \$61.75; 18 in., \$72.80; 20 in., \$110.50. Hydrants, 6 in., \$53.50; 8 in., \$70.20. Drummond, McCall & Co., Montreal, valves, 4 in., \$9.35; 6 in., \$15; 8 in., \$23; 10 in., \$32.90; 12 in., \$44.50; 14 in., \$67.50; 16 in., \$85.50; 18 in., \$113; 20 in., \$133.10. Hydrants, 6 in., \$62; 8 in., \$90. Michigan Brass and Engine Works, valves, 4 in., \$7.85, \$8.50; 6 in., \$11.65, \$12.58; 8 in., \$19.37, \$20.30; 10 in., \$28.20, \$29.50; 12 in., \$55.33, \$36.65; 14 in., \$55.70, \$58.30; 16 in., \$66.20, \$70.30; 18 in., \$100.80, \$107.30; 20 in., \$124.30, \$131. Hydrants, 6 in., \$61.76; 8 in., \$86.81. Two kinds of valves were tendered on. The tender of the Gartshore Thomson Company for pipes and special castings was accepted. The Vulcan Iron Company were awarded the contract for hydrants, and D. R. Wood & Co., of Philadelphia, that for valves.—The tender of J. H. Ashdown for a small quantity of sewer pipe, at \$1,488, has been accepted.

BUSINESS NOTES.

Contoure & Bouthillier have registered partnership as plasterers in Montreal.

The dissolution is announced of Harris & Hatfield, plumbers, Annapolis, N. S.

Jacotel & Frere, a Montreal plumbing and roofing firm, are reported to be endeavoring to arrange a compromise at 15 per cent.

Alphonse Potvin and Prudent Potvin have registered partnership under the style of Alphonse Potvin & Cie, contractors, St. Johns, Que.

DEMAND FOR BUILDING MATERIALS.

There is no apparent falling off as yet in the demand for builders' supplies, some lines being particularly active. At both Toronto and Montreal there is a large consumption of cement, and prices are firm. The arrivals of cement at Montreal last week were 11,500 barrels German, 3,234 Belgian, and no English, as against 17,200 German, 2,816 Belgian, and 500 English for the previous week, making a total to date for the season of 147,731 Belgian and German and 16,150 English. There is a firmer undertone to the market, and importers are trying to establish an advance in prices, owing to the increase in the duty, but no actual change has yet taken place.

Small lots of nails are moving freely, but there is an absence of large orders. Iron pipe has been much enquired for, which has had a tendency to keep prices firm. In galvanized iron there is less doing. As might be expected at this season of the year, the glass market is quite buoyant, and healthy reports are received from foreign markets.

Building paper seems to be quiet, with the following as manufacturers' prices: Plain building, 27 to 28 cents per roll; tarred lining, 35 to 37 cents, according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40 cents for plain and 45 cents for tarred.

Reil & Evans, contractors, Montreal, have dissolved partnership.

PAPER BRICKS.

The manufacture of enamelled paper bricks, according to the Boston Journal of Commerce, has now become a definite industry with a satisfactory promise. The production of these bricks on the hollow principle is a marked feature in their form, the object of this, as stated, being practically the same as that sought in the making of hollow forged steel shafting. Not only is a defective centre removed, but it is possible to put a mandrel into the hollow and by applying pressure the walls are operated upon both from the inside and outside. When a solid body is heated the temperature of the interior always varies from that of the outer portion at first, often resulting in the expansion of one or the other that causes defects. It is for these reasons that the plan of forming bricks upon the hollow principle and plugging them afterward is one of advantage. Sawdust is found to be a good filler for this purpose; it is first fire-proofed, as is also the paper pulp used in the bricks; then it is mixed with cement and pressed into the hollow of the bricks, smoothed and enamelled over.

In painting brickwork it is of great importance to see that the bricks are thoroughly dry, and they should, therefore, not be touched after a storm or heavy rain. The best time to paint this class of work is in a hot summer. These remarks apply equally to stone work.

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APPOINTMENT OF MUNICIPAL ENGINEERS.*

It is believed by many that municipal engineers and surveyors are the best paid in the profession. Thus, when vacancies occur in this department of engineering, there are large numbers of applicants, and the competition is very keen, and canvassing, although confessedly counted a disqualification, is, nevertheless, carried on to a great extent. So much is this the case that the art of applying for municipal appointments, with all the canvassing and procuring and getting-up of the requisite number of testimonials, has become one of the fine arts, a knowledge of which, it is said, is positively essential in these degenerate days to obtain situations. On the other hand, it is well known that when a vacancy occurs in the official municipal staff, in many cases the man has already been chosen for the place, and the place for the man, even before an advertisement has been inserted in the papers. The situation is advertised merely to allow the chosen one an opportunity of applying with the public for a situation already given him. This is done to try and deceive the public into the belief that it is a bona-fide advertisement of an open and free competition to all properly and duly qualified to occupy an important and responsible public appointment. But the public are not so easily deceived, and pretty well know to whom the situation will be given. "Send in your application, apply, and we will secure you the appointment," say the two or three knowing ones of brief authority and influence. The whom they delight to honour hies home, wrestles through the composition of a hypocritical mockery of an application, and gets it printed with the so-called testimonials procured from people who know little or nothing about him or are utterly incapable of judging of his fitness. So he gets the place, and into the power of the knowing ones at the same time. These knowing ones ever after this annex that man's services to themselves, to serve their own little ends—for did not they get him the appointment? Thus he is robbed of his liberty of action, and becomes but a tool in their hands to do their work—dirty and mean enough work at the best—and to further their own little schemes and plans; and this all to the prejudice of the public interests.

There are few public appointments into which more enters the elements of influence and favor than into municipal appointments; and the appointing of a municipal engineer is in this respect not a whit behind even the appointment of a city or town clerk.

* From a paper by Alexander MacLachlan, M.Inst. C.E., in *The Surveyor and Municipal Engineer*, London, Eng.

It is a very difficult thing for even able experts to judge of a man's suitability and fitness for a high public appointment. It is strange and extraordinary that men who commonly compose our town or county councils, corporations, magistracies, &c., should be allowed by the public to decide the appointments of men entrusted with the engineering, building and sanitation of our large cities and towns. One would be apt to think that it would be a safer and wiser plan to give the adjudication of such appointments to judges specially fitted by their recognized high attainments and abilities and great and extensive practice in their particular professions. Such learned institutions or associations as the Institution of Civil Engineers, the Royal Institute of British Architects, or the Incorporated Association of Municipal and County Engineers, the Surveyors' Institution, the Sanitary Institute, &c., contain any number of experts highly qualified in their respective professions for selecting from among applicants the most suitable candidates for the several municipal situations.

The days are gone now when simply masons, joiners or plumbers, with nothing more to recommend them but the goodwill of their magisterial acquaintances, can be allowed to occupy the highly important and responsible positions of municipal or county engineers. But time was when such things were permitted and encouraged, and freely and openly practised, and appointments were given by friend to friend, irrespective of ability, fitness, experience or knowledge. Consequently, in town and county, to put it very mildly, things were in a bad way, a very bad way indeed, for many long years to come. Mistakes were made, money was misspent in useless works, or even in mischievous and dangerous works; and, what is far more important than the mispending of money, neglect, culpable neglect, was shown, especially in regard to drainage and water supply, or the want of them, resulting in disease and death to many of the unsuspecting inhabitants of city, town and village.

The duties of the municipal engineer are exceedingly varied and difficult, and they are becoming more and more so every day. Besides being an expert in a few professions, such as that of a surveyor, architect, civil, mechanical, hydraulic and sanitary engineer, he must now be not unacquainted with that pro-

fession which deals with that subtle, mysterious and wonderful something called electricity, in order to supply the illuminant of the day, or at least to work in harmony with the electrical expert chosen for that purpose.

Therefore, it can hardly be considered out of the way to say that the judging of the proficiency of applicants for filling public appointments, as indicated, should be entrusted to experts in the particular professions required to be known and practised by the successful competitors. It is to be hoped that this will become in the future the general order of the day, and not the exception, so that the public interests may be safeguarded and the most efficient and able men be chosen to fill public appointments.

An English sanitary inspector, discussing the question of sewer ventilation in a paper read at a recent sanitary meeting in London, expressed strong opposition to surface ventilating grates (perforated man holes), as well as to the dangerous practice of connecting from the sewer into manufacturing chimneys. His impression was that wherever a gas ventilating shaft or sewer air destructor might be fixed, the inhabitants residing in close proximity would imagine there were dangers arising from it. The opinion had been clearly expressed by sanitary engineers that the system of taking ventilating shafts outside houses is altogether wrong, as unless they are run up to a great height they practically act as conductors of disease. In short, there was only one way to deal with sewer gas, and that was to destroy it absolutely, which could be done by burning it in sewer gas destructor lamps. It might be urged that this applied only to such sewers as are not disinfected, but this has been shown to be erroneous. The typhoid bacillus, for instance, was infinitely more active, and showed incomparably greater vitality in nitrate sewage than in pure sewage. This practically meant in dealing with the problem of sewers that when we flush them with disinfectants we are laying down food for our deadliest enemy—typhoid. On the other hand, if, in place of putting in disinfectants, destructors were inserted along the line of sewers, and the gas driven off by the decomposition of the sewage drawn out and destroyed, we should, in all probability, have what is at present the great desideratum—that the sewage at the outfall be innocuous.

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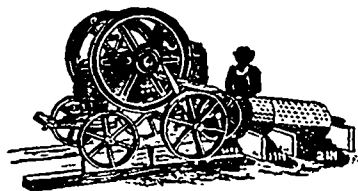
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