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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. 11. SEPTEMBER 19, 1900 No. 33.

**THE CANADIAN CONTRACT RECORD,**  
 PUBLISHED EVERY WEDNESDAY  
 As an Intermediate Edition of the "Canadian Architect and Builder."  
 Subscription price of "Canadian Architect and Builder" (including "Canadian Contract Record") \$2 per annum, payable in advance  
**C. H. MORTIMER PUBLISHING COMPANY**  
 of Toronto, Limited,  
 Publishers  
 CONFEDERATION LIFE BUILDING, TORONTO.  
 Telephone 2362.  
 Branch Office:  
 Imperial Building, Montreal.  
 Telephone Main 2299.  
 Advertising Rates on application.  
 Information solicited from any part of the Dominion regarding contracts open in tender.

  
**DEPARTMENT OF RAILWAYS AND CANALS**  
**Lachine Canal**  
**NOTICE TO CONTRACTORS**

Sealed Tenders, addressed to the undersigned, and endorsed "Tender for New Lock," will be received at this office until 12 o'clock on **TUESDAY, THE 2ND OCTOBER, 1900.**

Plans and specifications can be seen on and after the 10th of September, 1900, at the office of the Chief Engineer of Railways and Canals and at the office of the Superintendent in charge of the Lachine Canal, 1709 Notre Dame Street, Montreal, where forms of tender can be obtained.

In the case of firms there must be attached to the tender the actual signatures of the full name, the nature of the occupation and residence of each member of the same, and, further, an accepted bank cheque for the sum of \$15,000 must accompany the tender. This accepted bank cheque must be endorsed over to the Minister of Railways and Canals and will be forfeited if the parties tendering decline entering into contract for the work at the rates and on the terms stated in the offer submitted.

The accepted bank cheque thus sent in will be returned to the respective parties whose tenders are not accepted.

The Department does not bind itself to accept the lowest or any tender.

By order,  
**L. K. JONES,**  
 Secretary.

Department of Railways and Canals,  
 Ottawa, 5th September, 1900.

## DEBENTURES FOR SALE

Sealed tenders will be received by the undersigned up to 2 o'clock on **OCTOBER 1ST, 1900**, for Debentures of the Town of Barrie aggregating \$100,000 \$100.00 repayable in 30 years at 4 per cent. \$50,000 in 20 years at 4 per cent., and \$50,000 in 10 years at 4 per cent., in equal annual instalments of principal and interest.

For further particulars apply to  
**E. DONNELL,**  
 Town Treasurer.

Barrie, Sept. 12th. 1900.

**CONTRACTS OPEN.**

**BRANDON, MAN.**—An addition may be built to the hospital.

**CAMPBELLTON, N.B.**—P. W. Hall intends erecting a double residence.

**NELSON, B.C.**—The C.P.R. has invited tenders for erection of new station.

**DIGBY, N.S.**—The site has been purchased for proposed summer hotel.

**WHITBY, ONT.**—Plans are being prepared for a new Presbyterian manse.

**KAMLOOPS, B. C.**—The contract for new school building has not yet been let.

**PELHAM CORNERS, ONT.**—C. B. Clager has commenced the foundation of a new residence.

**BLENNHEIM, ONT.**—The council have decided to invite tenders for lighting the street by electricity.

**GALT, ONT.**—It is possible that the meter system of water supply will be adopted by the town.

**KEEWATIN, ONT.**—R. F. Fisher has had plans prepared of skating and curling rink to be built this fall.

**LEAMINGTON, ONT.**—It is understood that a new hotel will be built on the site of the Deming House.

**SEAFORTH, ONT.**—A by-law was passed last week providing that money be raised by the issue of debentures.

**QUEBEC, QUE.**—The Bell Telephone Co. are prepared to purchase a large quantity of telephone poles.

**BROOKE, ONT.**—It is reported that the works of the Grey & Bruce Cement Co. will be located at this place.

**MINNEDOSA, MAN.**—The authorities of Knox church have decided to erect a \$5,000 church on Main street.

**CARLETON PLACE, ONT.**—The town council have approved of the proposed electric railway to Lake Park.

**SMITH'S FALLS, ONT.**—The city council have again refused to grant money for increased school accommodation.

**THOROLD, ONT.**—A by-law is being prepared to raise \$2,500 for the purchase of stone for street improvements.

**WATERFORD, ONT.**—The council are talking of erecting a steel bridge over the Nanticoke stream on Main street.

**HULL, QUE.**—The by-law to provide \$12,000 for police and fire station was carried by the ratepayers last week.

## PORT HOPE WATERWORKS

Sealed tenders, addressed to R. Gray, Esq., will be received by registered letter only, up to 6 o'clock p.m. on **THURSDAY, THE 20th DAY OF SEPTEMBER INSTANT**, for each or the whole of the following works, viz:

For supplying and fixing in position upon foundations to be built by the Water Commissioners

**Contract No. 1—One Compound Duplex Pumping Engine.** Capacity 1,000 Imperial Gallons per minute, together with all Steam and Exhaust Pipes, from Boilers to Pump, to Condenser and to Atmosphere, with all necessary Valves, Suction Pipe, Etc., as per plan and specifications.

**Contract No. 2—One Steam Boiler** 14 feet long by 66 inches diameter, as per plan and specifications.

**Contract No. 3—One Steel Water Tower,** Capacity 200,000 Imperial Gallons, 25 feet diameter by 65 feet high, as per plan and specifications.

**Contract No. 4—To Build Stone Foundations,** as per plan and specifications for Water Tower and Pump, and Setting up Boiler in Brick Work.

Plans and specifications can be seen and forms of tender procured at the office of R. Gray, Esq., Port Hope, Ont., and R. E. Speakman, C.E., Canada Life Building, Toronto, from whom any further information may be obtained.

N.B.—A marked and accepted bank cheque for 5 per cent. of the amount of contract must accompany each tender, or it may be ruled out as informal.

The Water Commissioners do not bind themselves to accept the lowest or any tender.

Pump manufacturers will be allowed to submit their own special designs, with full detail specifications.

**R. GRAY,**  
 Secretary to Water Commissioners,  
 Port Hope, Ont.

**R. E. SPEAKMAN, C.E.,**  
 Consulting Engineer,  
 Canada Life Building, Toronto.  
 Sept. 10, 1900.

Newspapers inserting this advertisement without authority from the Department will not be paid for it

  
**Department of Railways & Canals, Canada**  
**RAPIDE PLAT CANAL**  
**NOTICE TO CONTRACTORS.**

Sealed tenders, addressed to the undersigned, and endorsed "Tender for Improvements at Upper Entrance of Rapide Plat Canal," will be received at this office until 12 o'clock on **SATURDAY, THE 23rd DAY OF SEPTEMBER, 1900**, for the works connected with the Widening, Straightening and Deepening of the Upper Entrance of the Rapide Plat Canal.

Plans and specifications of the work can be seen on and after the 14th day of September, 1900, at the office of the Chief Engineer of the Department of Railways and Canals Ottawa, and at the Engineer's Office at Cornwall. Printed forms of tender can also be obtained at the places mentioned.

In the case of firms there must be attached to the tender the actual signatures of the full name, the nature of the occupation and residence of each member of the same, and, further, an accepted bank cheque for the sum of \$7,500 must accompany the tender. This accepted bank cheque must be endorsed over to the Minister of Railways and Canals, and will be forfeited if the parties tendering decline entering into contract for the work at the rates and on the terms stated in the offer submitted.

The accepted bank cheque thus sent in will be returned to the respective parties whose tenders are not accepted.

The Department does not bind itself to accept the lowest or any tender.

Contractors are specially notified that the conditions requiring the works to be wholly completed by the 30th day of November, A.D., 1901, will be rigidly enforced, and all penalties for delay exacted.

By order,  
**L. K. JONES,**  
 Secretary.

Department of Railways and Canals,  
 Ottawa, 6th Sept., 1900.

Newspapers inserting this advertisement without authority from the Department will not be paid for it.

**COLLINGWOOD, ONT.**—A by-law has been read in council to provide \$5,500 for improvements to the Collegiate Institute.

**PRINCE ALBERT, N. W. T.**—A by-law will likely be submitted to the ratepayers to provide \$40,000 for a waterworks system.

**ROSSLAND, B.C.**—Tenders will be invited immediately for erection of four roomed school from plans by John Honeyman.

**ESQUIMALT, B.C.**—The Imperial Government intend to enlarge the naval headquarters of the Pacific squadron at this place.

**TORONTO JUNCTION, ONT.**—J.E. Ellis, architect, Mr. Goring, town solicitor, and Police Magistrate Ellis are about to erect residences.

**DORSET, ONT.**—J. W. Gilpin, treasurer township of Sherbourne, invites tenders up to October 15th for purchase of \$1,000 of debentures.

**YARMOUTH, N.S.**—Bids are invited by Hiram Goudy, on behalf of the corporation, up to Tuesday, October 9th, for a loan of \$7,000.

**AYLMER, ONT.**—A public meeting will be held on September 31st at which plans for a waterworks system will be submitted and considered.

**NANAIMO, B.C.**—A by-law to authorize a loan of \$25,000 to be expended on waterworks system was voted on last week and carried.

**PEMBROKE, ONT.**—A government engineer was here last week taking soundings for the proposed new bridge across the Petawawa river.

**PARRY SOUND, ONT.**—Ker & Harcourt desire to secure a location for their spool and bobbin factory where there is a large supply of hardwood.

**PORTAGE LA PRAIRIE, MAN.**—It is announced that the Northern Pacific Railway will proceed this fall with the erection of the new depot here.

**WINDSOR, ONT.**—Wm. McGregor wants tenders by 22nd inst. for erection of brick building on Pitt's street. Plans at 58 Ouellette avenue.

**PERTH, ONT.**—It is likely that a by-law will be submitted to the ratepayers at an early date to provide funds for a sewerage system for the town.

**VICTORIA, B.C.**—A committee of the council has recommended that the swing of Rock Bay bridge be reconstructed, at cost not exceeding \$5,500.

**PALMERSTON, ONT.**—The town council has been asked to issue debentures for \$2,200 to cover the cost of a new heating plant in the public school.

**BERLIN, ONT.**—W. C. Woodman and H. Elderidge, of Boston, were in town recently in connection with a boot and shoe factory to be built here.

**STURGEON FALLS, ONT.**—Jas. Holditch, secretary Public School Board, invites offers up to 19th inst. for purchase of \$10,000 public school debentures.

**GRAND FORKS, B. C.**—The Miner-Graves syndicate have under consideration a project for transmitting electric power from this place to Phoenix.

**NORTH BAY, ONT.**—The council will submit a by-law to the ratepayers to grant a loan of \$10,000 to a company to assist in erecting a packing case factory.

**DALHOUSIE, N. B.**—A provincial government engineer last week made surveys for the several proposed bridges between Dalhousie and Jacquet river.

**BRYSON, QUE.**—At the last meeting of the Pontiac county council the question of purchasing a stone crusher was considered and laid over until next session.

**NEWMARKET, ONT.**—The by-law to

provide \$10,000 for extending the electric light and waterworks plant has been sanctioned by the Lieutenant-Governor of Ontario.

**COLUMBIA, B.C.**—Tenders close 29th inst. for purchase of \$35,000 debentures issued for electric lighting, waterworks and street improvements. Address, J.A. McCollum, city clerk.

**SYDNEY, C.B.**—Tenders close Friday, 28th inst., for erection of six-stall brick engine house for Intercolonial Railway. Plans at office of station master here and the chief engineer at Moncton, N.B.

**FORT FRANCES, ONT.**—American capitalists have been making surveys here with a view to the erection of a pulp mill. Particulars may be obtained from J. T. Fanning & Son, civil engineers, of Minneapolis.

**WALKERTON, ONT.**—P. Cummings, warden of Bruce county, is endeavoring to raise the necessary funds for the proposed binder twine factory to be erected here. Some \$80,000 has already been subscribed.

**WALLACEBURG, ONT.**—A report by John M. Moore, C.E., in regard to improving the water supply, recommends the deepening of the well west of the reservoir, and the placing of meters on all services.

**WALKERVILLE, ONT.**—Plans are being prepared for the new factory to be built here by the Detroit Bridge & Iron Co.—The Walkerville Gas & Water Co. purpose extending the water main on Fifth street about 1,000 feet.

**WEBBWOOD, ONT.**—The site is being prepared for the erection of the mills and building of the Spanish River Pulp Co. Work on the dam, mill and canal will be commenced next spring. The mill will require about 1,000,000 bricks.

**BARRIE, ONT.**—E. Donnell, town treasurer, invites offers up to October 1st for purchase of \$30,000 three and one-half per cent. 20 year debentures, \$10,000 4 per cent. thirty year debentures, and \$1,900 20 year 4 per cent. debentures.

**SARNIA, ONT.**—The Sarnia Street Railway Co., at a meeting held last week, appointed a committee to secure tenders for changing the road to an electric system.—Jos. Doherty has had plans prepared for a brick residence to be erected on West Christina street.

**BRANTFORD, ONT.**—W. T. Jennings, C.E., has submitted a second report on the flood prevention works necessary on the Grand river. He estimates that further dyking would cost \$62,000, and a proposed relief channel, half a mile in length, \$400,000.

**BURK'S FALLS, ONT.**—The question of a spur line connecting the Grand Trunk Railway system with the docks of the Magnetawan river at this place has been under consideration for some time, and the Provincial Government has donated \$7,500 in aiding the scheme.

**FORT ERIE, ONT.**—It is proposed to make improvements to the interior of the Presbyterian church, including new seats.—A scheme is under consideration to convert the Erie Beech Railroad to an electric line an extend it to Crystal Beach. Attorney O'Brien, of Buffalo, is looking after the charter.

**ST. JOHN, N. B.**—Tenders are invited by the Department of Public Works, Ottawa, until Monday, 24th inst., for copper roof on post office in this city.—Fred Sandall will receive offers up to October 12th, for the purchase of \$65,500 of city debentures. The School Board will also issue debentures.

**SANDWICH, ONT.**—The Georgian Bay Navigation Co. have asked permission from the town to erect a warehouse, 70x20 feet, on the dock.—The Ontario Natural

Gas Co. will erect a brick reducing house.—Major Rothwell has organized a syndicate and purchased Brighton Beach. It is intended to build a restaurant and a number of cottages next spring.

**CHATHAM, ONT.**—Plans are being prepared by F.C. Coffin, C.E., of Boston, for waterworks and sewerage system and electric light plant. The total cost of the work will be about \$125,000. Contracts will be let early in 1901.—The organization of the new pulp company by Mr. Moravec is progressing favorably, and plans of the proposed mills are being made.

**CHATHAM, ONT.**—J. L. Wilson & Son, architects, have invited tenders for erection of brick residence for Mr. Mindorf, Harwich, and for new public school at Blenheim, Ont.—The work of repairing the Chatham & Dover town line drain will be let by the commissioners on the 21st inst.—R. J. Graham purposes building an evaporating factory here.

**GRAND FORKS, B. C.**—It is the intention of E. Spragget to construct a saw mill on the north fork of Kettle river.—The council has ordered plans for a combined city and fire hall, 50x80 ft., three and one-half stories.—The Merchants' Bank of Halifax has taken tenders for erection of bank building 40x80 feet.—Commodore Biden contemplates erecting several residences.

**PARIS, ONT.**—Wm. & Walter Stewart, architects, of Hamilton, have been commissioned to prepare plans for buildings in this town for the following parties: Bank of Commerce; Hugh Walker, grocer; S. Waldron, confectioner; J. McRae, boots and shoes; J. Mauer, tailor; J.H. Fisher, fancy goods; John Inksetter, boots and shoes; Mr. Lane, confectioner, and James Inksetter, dry goods.

**ST. CATHARINES, ONT.**—The Niagara, St. Catharines & Toronto Railway Company have invited tenders for erection of car barn.—Contracts will be awarded, probably this week, for the proposed bicycle factory. The plans provide for a three story building, 41x100 feet, with three story annex 44x37 feet. S. G. Dolson, architect, has prepared plans.

**HAMILTON, ONT.**—Wm. & Walter Stewart, architects, have been instructed to prepare plans for several buildings to be built in Paris.—The Cataract Power Company have made application to the township councils of Barton, Saltfleet and Grimsby, for right of way for an electric railway from this city to Grimsby.—John H. Tilden has submitted to the council a plan for alterations to Dundern Castle, to cost about \$3,000.

**KINGSTON, ONT.**—The fountain to be erected to the memory of the late Geo. A. Kirkpatrick will cost \$3,000.—Power & Son, architects, have taken tenders for alterations to residence of the superintendent of the Cataract Cemetery Company.—Prof. Dupuis, of Queen's University, has prepared a plan of the proposed buildings to be erected in connection with the University, in case the necessary money is provided for the purpose.

**WINNIPEG, MAN.**—Isaac Ripstein is taking tenders this week for erection of brick residence.—The report of W. T. Jennings, C.E., on the water works plant, was considered at a special meeting of the council held last week. Mr. Jennings recommended that a sub-station should be placed under the chimney, that the electric light plant should be removed to a separate building, and that one or more wells should at once be sunk.—The following works have been recommended for construction: Asphalt pavement around central fire hall, cost \$1,000; macadam pavement on Cauchon street, cost \$1,135, on Tache street, cost \$1,135, on Lewis street, cost \$1,135, and on Scott

and Joseph streets, cost \$4,820. Provisional permission is given to lay a spur track from the C.P.R., the Rat Portage Lumber Company will at once commence the erection of their proposed saw mill in this city.

OTTAWA, ONT.—C. W. Spencer, superintendent of the C.P.R., states that the company have decided to build a large addition to their freight sheds.—It is understood that the Provincial Health Inspector has condemned Porter's Island as a site for a contagious diseases hospital.—The Property Committee have authorized plans to be prepared for a new market building, to replace the Byward market.—J. McFarlane has commenced the erection of a new block on west side of Bank street, between Slater and Maria. It will be a brick structure, three stories, with marble front.—The Ottawa Citizen Company have taken tenders for alterations to their business office.—The council has given notice of its intention to construct concrete sidewalks on Albert street south, Division street east and west, Rochester street east and west, and Crighton street, cost about \$15,000.—The following building permits have been granted: John L. Pratt, brick tenement house on Maple street, cost \$4,000; Mrs. William Potter, four brick houses on Somerset street, cost \$7,000; Louis Patry, double frame house on Anderson street, cost \$1,400.—It is reported that J. R. Booth has in view the erection of pulp and paper mills at the Chaudiere.

MONTREAL, QUE.—The Dominion Cotton Company intend erecting large buildings in the municipality of Maisonneuve.—The Park & Island Railway Company have withdrawn their appeal dismissing the company's injunction against the town of St. Louis in connection with pavements and other improvements, and the work may now be proceeded with.—The Road Department have given notice that it is proposed to construct sewers on portions of Drummond and Huntley streets.—The ratepayers of Hochelaga ward have asked for a new public hall adjoining the fire station, cost \$2,000.—Building permits have been granted as follows: M. Laurier, three storey brick building, 1373 Ontario street, cost \$3,000; H. A. Brosseau, alterations to brick buildings, 119 Champ de Mars, cost \$1,000; J. Auld, five storey brick building, St. George, Vitre and Chenneville streets, cost \$40,000 (architect, A. F. Dunlop); G. W. Stephens, three storey brick building, 2468-2476 St. Catherine street, cost \$40,000 (architect, H. C. Stone); C. Bruillette, two storey brick building, 1080 St. Catherine street, cost \$5,000; Dominion Cotton Mills Co., one storey brick building, 550 Notre Dame street, cost \$4,455 (Pringle & Sons, architects); E. Lariviere, three storey brick building, Dufresne street, cost \$2,750 (Chas. A. Reeves, architect); A. Lamarche, three storey brick building, 132 Ontario street, cost \$2,000 (Robt. Falbord, architect); A. S. Lavallee, three storey brick building, St. Elizabeth street, cost \$6,000.—The Greater Montreal Land Co. has been incorporated, with capital of \$50,000, to deal in real estate and construct docks, warehouses, etc.

TORONTO, ONT.—The Board of Governors of McMaster University, at a meeting held last week, decided to proceed at once with the building of a chapel and library. A building committee, consisting of Chancellor Wallace, J. S. McMaster, D. E. Thompson, John Stark and Rev. Elmore Harris, was appointed.—The city engineer has prepared an estimate of the probable cost of installing a telephone system throughout the city. The cost for 6,000 subscribers is placed at \$675,000, and for 10,000 subscribers at \$1,200,000.—Dr. Sheard, medical health officer, has recommended that a portion

of the reservoir be concreted.—Ald. Lamb is having prepared an act for the incorporation of the Toronto and Central Ontario Electric Radial Railways, with a capital of \$5,000,000, to construct and operate the system in conjunction with the different municipalities.—A. F. Wickson, architect, estimates that the furnishing and equipment of the Technical School will cost \$3,500.—Plans are almost completed by the city engineer for the construction of the 42-foot subway at Lansdowne avenue.—Building permits have been granted as follows: The Dominion Government, brick addition to Union Station, cost \$7,000; J. J. McLaughlin, one-storey brick factory, 151 Sherbourne street, cost \$3,000; C. K. Unwin, one-storey brick cottage, south side Radford street, near Boustead Avenue, cost \$500; J. Salter, semi-detached brick dwelling, Wood street, near McMillan street, cost \$3,800; Harry Webb Company, addition to No. 447 Yonge street, cost \$2,000.—The Island Amateur and Aquatic Association have in view the erection of a new club house next season.

#### FIRES.

Residence of Jos. Morin at St. Louis du Mile End, Que; loss \$1,500.—Grand Trunk station at St. Hubert, Que.—Manitoba hotel at Oak Lake, Man.; totally destroyed.—Lamb's biscuit factory on Dalhousie street, Ottawa; loss \$8,000.—Saw mill at St. Cecile, Que., owned by Chas. McCaffrey.—Exhibition building at Kentville, N.S.; loss \$2,000.—Saw and shingle mill of W. B. Moshier and residence of Rev. Mr. Ball and Jas. Malcolm at Lion's Head, Ont., totally destroyed.—Warehouse at Morden, Man., owned by B. Fraser, loss \$2,500.—Ormonde cheese factory at Hastings, Ont., owned by J. W. Valteau.—Residence of Jos. Kee at Cornwall, Ont., burned to the ground.—In the recent fire at Paris, Ont., the losers of buildings included S. Appleby, Royal Loan & Savings Co., E. Randall, A. H. Baird, Miss Capron, W. H. Meldrum, Paris Electric Light Co., Mrs. Whitley, C. Palmer and J. Chase.

#### CONTRACTS AWARDED.

BUCKINGHAM, QUE.—School building: J. Fanteaux, of St. Benoit, contractor.

SHELburne, ONT.—Addition to St. Paul's church: J. C. Whitten, contractor.

LEAMINGTON, ONT.—Residence for Leonard Wigle: Link & Roach, contractors.

MEWmarket, ONT.—Residence for Isaac Silver: John Warriner, of Keswick, contractor.

PORT COLBORNE, ONT.—Residence for Mrs. O'Hearn: Reichman & Anthes, contractors.

THORNDALE, ONT.—Factory for R. T. Wright: Kelly & Maynes, of Watford, contractors.

CHESLEY, ONT.—Main, King and High street sewers: W. J. Elliott, Chesley, contractor.

OTTAWA, ONT.—Three-storey building for Mr. Lavigne: P. Lemieux and H. Bertrand, contractors.

QUEBEC, QUE.—Four residences on St. Patrick street for the Price Estate: Paul Breton, contractor.

SARNIA, ONT.—The contract for dredging Sarnia Bay has been let to Jas. O'Leary, of Port Lambton.

HENSALL, ONT.—Brick stores for Wm. C. Davis: Stone and brick work, R. Cudmore; carpentry, Wm. Welsh.

PRESCOTT, ONT.—Factory for Imperial Starch Co.: Wilson Bros., of Kingston, contractors; price about \$45,000.

PARIS, ONT.—S. Appleby has let the

contract for erection of brick building, corner Grand River and William streets.

KASLO, B. C.—D. C. MacGregor has been awarded the contract for erection of C.P.R. depots at Sandon and New Denver.

REGINA, N. W. T.—Hospital building. Willoughby & Mollard, contractors; building will be 37x50 ft., brick on stone foundation.

HULL, QUE.—Jos. Bourque, this city, has been awarded the contract for new wharf to be built over the Hull side of the Ottawa river.

ST. THOMAS, ONT.—Alterations to house on Wellington street, for A. J. Allworth. Masonry, Ponsford Bros., carpenter work, W. Reath.

GEORGEVILLE, QUE.—C. A. K. McPherson has secured contract to build large residence on the old Merriman farm for Mr. Redpath, of Montreal.

BROCKVILLE, ONT.—The tender of W. H. Comstock, M.P., for the purchase of \$100,000 of debentures, has been accepted by the city. Bonus,  $\frac{1}{2}$  of 1 per cent.

AMHERST, N. S.—Rhodes, Curry & Co. have secured the contract for addition to the I.C.R. roundhouse at Campbellton, also for fittings for the Kentville post office.

OUTREMONT, QUE.—The town council have awarded the contract for sewer on Outremont Ave. to H. Bourgoin & Co., at \$11,995. There were four other tenders.

KINGSTON, ONT.—Alterations to building on King street for E. J. Pense: Carpenter, W. King; masonry, Douglas & McIlquham; painting, Thomas Milo; heating and plumbing, Joseph Jameson.

KINGSVILLE, ONT.—The following tenders were received for building granolithic walks: J. Drake, at 10 S. 10c. per foot; P. L. Marden & Co., 11c.; Cadwell Silix Stone Co., Windsor, 11c. (accepted).

ST. CATHARINES, ONT.—Office building for Welland Vale Mfg. Co.: Mason work, Newman Bros.; carpenter work, James M. McBride; plumbing and tin-smithing, Parnall & Bald; painting, Est. John Albon.

EAST TORONTO, ONT.—J. Richardson has received contract for masonry work on electric light power house, at \$965. Self Bros. secured the contract for cementing the floor and for boiler and engine foundation, at \$545.

ST. MARY'S, ONT.—The council have accepted the tender of Elliott & Clyde for erection of electric light power house, and that of the Goldie & McCulloch Co., Galt, for boilers, one 125 h. p. engine, shafting and pulleys, at \$5,395.

ISLINGTON, ONT.—The Etobicoke Township council have accepted the tender of the Hamilton Bridge Company for two steel bridges, one of 125 feet over the Humber river, and the other of 50 feet over Mimico creek.

HAMILTON, ONT.—A. W. Peene, architect, has accepted the following tenders for erection of three brick stores, dwelling and stable at Pattersonville for Morris & Co.: Brickwork, Thos. Landers; carpenter work, John Mills.

CALGARY, N. W. T.—The city council have accepted the tender of the Illinois Mfg. Co. for supply of sewer pipe, at \$5680, delivered at this town. The Calgary Hardware Co. will supply cement at \$6.35 per barrel.—James A. McKenzie has been awarded contract for steel bridge over the elbow at Weasel Head.

WINNIPEG, MAN.—Block for Marshall Wells & Co.: James McDermid, contractor.—The offer of A. J. Andrews for purchase of \$35,000 of debentures has

been accepted by the city.—The council has decided to purchase 1,000 feet  $2\frac{1}{2}$  inch Maltese Cross fire hose from the Winnipeg Rubber Co., and the same quantity of Para brand from the Canadian Rubber Co.

MONTREAL, QUE.—J. Venne, architect, has awarded contracts for alterations and additions to Bethlehem Asylum, Richmond square, as follows: Masonry and brickwork, Martineau & Prenoveau; carpenter and joiner's work, J. Lambert & Son; plumbing, heating and roofing, Bloyin, Desforges & Latourelle; steel work, Phoenix Bridge & Iron Works. Other contracts not let.

TORONTO, ONT.—The Board of Control last week awarded contracts as follows: Warren Scharf Co., asphalt pavement on Cowan avenue, King to Huxley, \$9,858; W.F. Grant & Co., cedar block pavement on Ossington avenue, College to Bloor, \$5,490; cedar block pavement on Avenue place, Avenue road to Hazleton avenue, \$579. City Engineer, tile sewer on Dowling avenue, King to Leopold, \$875. A. Gardner & Co., concrete sidewalks on Louisa street, north side, Yonge, to first lane west, \$2.20 per lineal foot; on Winchester street, south side, Parliament to Metcalf, 62 cents; on Huntley street, east side, Linden to Selby street, 62 cents; on Bay street, east side, King to No. 1:1, \$2.05; Scott street, east side, Colborne street to 60 feet south, \$1.68; Queen street, north side, Grant to Broadview, \$2.95; and University street, from Armory to Christopher street, \$1.27 per lineal foot.

#### SETTING MASONRY.

After the blocks are properly prepared and the surface on which they are to bed being truly level, the setting is an operation demanding great care in order to secure good joints and solid trustworthy work. In stonework, says the Illustrated Carpenter and Builder, it must always be borne in mind, only fine mortar is admissible, and this should be clean and the materials sharp, and it is important that no dirt, clay, or other uncerementious substance be interposed, as this destroys the binding of the cement, and, if of hard texture, is liable to fracture or chip off the delicate arrises of the blocks. Large stones should be first tried on their beds before setting, and then raised and withdrawn, the bed finally cleaned, well wetted, and the mortar laid even. The stone should then be brought near its place and gently lowered upon wedges, by withdrawing which it is brought exactly to its bed, when it may be pounded down home by a suitable wooden mallet or block of timber. Stones are raised and lowered by the aid of a lewis, which is a contrivance for securing a firm hold of them without defacing the faces or injuring the joints, the lewis hole being made on top of the block, which becomes in turn the bed for the stone above. Cramps, joggles, dowels, and plugs are names commonly applied to four different forms of connections respectively, thus: A cramp, which may be of lead or copper, is from 6 in. to 10 in. in length, and from  $\frac{3}{8}$  in. to  $1\frac{1}{4}$  in. in thickness, having each end turned up to act as the cramp, and from 1 in. to 2 in. wide, according to the size of the stones to be joined together. If the cramp is of copper it is forged to the form and run in with lead. Lead cramps are forced at once by running the molten lead

into the channels prepared for it. Joggles are of a double wedged form and usually of slate; they are sometimes cubes, inserted so that their diagonals coincide with the joints. Slate joggles and dowels are laid in fine cement or oil putty. Dowels are of a common square section, and are more frequently applied vertically—that is to the beds of the stones—being inserted in the top of one block of stone and the bottom of another. A plug is similar to a dowel, but is formed by the mortises being run with cement or lead. Mason work is known as plain when worked to a smooth face; sunk, when cut in; stopped, when not finished to the end of a stone moulded, straight, cornices, strings, &c., without a bend; circular, moulded circular neckings, columns, &c.; circular circular, as in niches, domes, and spheres; dressed or cleansed on face, and tooled on face. About one-eighth of the volume of ashlar masonry should be mortar. Rubber masonry per cubic yard requires of stone one and one-fifth, and of mortar one-quarter. Mason's specifications require very careful consideration, in so far as the description, quality, and mode of working stone goes, but the architect's drawings should furnish all necessary information as to the quantity and disposition of the stonework of a building. Half-inch scale drawings should be prepared of the masonry of windows, doors, and other features, and the jointing should be well shown on drawings. These details may be supplemented with one-eighth or quarter full size sections of window jambs, sills and mullions, door jambs and mouldings, piers with their arch mouldings, bases and caps, cornices, columns, &c. The net amount of stonework can thus be actually computed by the estimator, and the contractor can obtain a fair idea of the amount of labor on the work. Such details are also most useful to the architect when the preparation of the full size working drawings has to be undertaken, as he can discover exactly how much stone is required for any feature.

#### BRICKDUST MORTAR.

A French chemist says that mortar from brickdust is coming into use as a substitute for hydraulic cement. Blocks about three-fifths of an inch thick, composed of brickdust and quicklime, were found capable, after remaining four months under water, of supporting a weight of 10,500 kilos to every three inches square, without breaking or cracking. Ten per cent. of brickdust added to ordinary mortar makes it remarkably cohesive. The first mentioned compound is especially useful in building drains, reservoirs, cisterns, etc. Take one part of brickdust to one of lime and two parts of sand; mix while dry, and then add the requisite quantity of water.

Dorion Bros. have commenced business in Ottawa as plumbers.

Contractors will confer a favor upon the publishers by mentioning the CONTRACT RECORD when submitting tenders for works advertised in this paper.

#### DATE OF PUBLICATION.

Architects, engineers, municipal authorities and others are reminded that the CONTRACT RECORD is printed every Tuesday afternoon, and that advertisements should reach the office of publication not later than 2 o'clock p.m. on that day to ensure insertion in the issue of the current week. Advertisements are frequently received too late for insertion, to avoid which special attention is directed to this announcement.

Messrs. Bellhouse, Dillon & Co., of Montreal, are sending out an attractive and useful advertisement for their White Cross brand of cement, in the form of a large thermometer, which can be used to disprove the assertion so frequently heard of late that the temperature had reached the boiling point.

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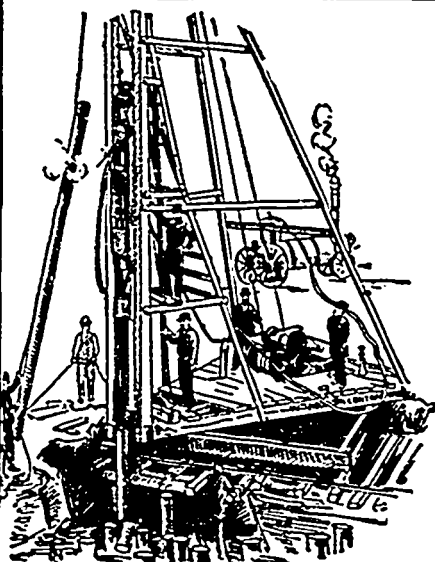
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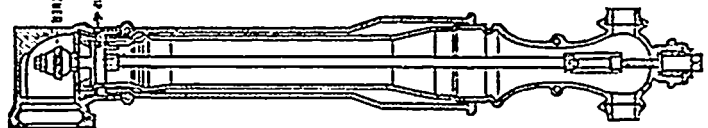
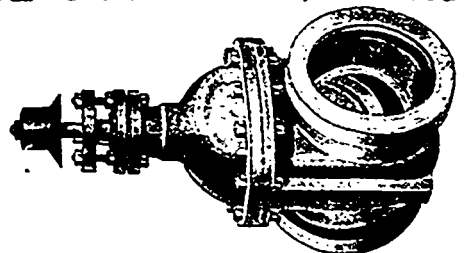
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# MUNICIPAL DEPARTMENT

## ONTARIO MUNICIPAL ASSOCIATION.

The second annual convention of the Ontario Municipal Association opened in the city of London on Tuesday, September 11th, with Mayor Teetzel, of Hamilton, presiding. The first session was devoted to preliminary business. The president, in his address, reviewed the efforts of the association to secure improved laws. A special committee was appointed to report on several questions which came up for consideration. This committee reported the next morning, and after considerable discussion on the following clauses of the report were adopted:

1. That a separate ballot be provided for mayors, where the aldermen are elected by general vote. The idea is to prevent an undue number of spoiled ballots.

2. In cities and towns not adopting the local improvement system under section 682 of the Assessment Act, that notwithstanding any petition against the laying down of any sidewalk as local improvement, the council should have power to proceed with the work, if in the opinion of the city engineer and two-thirds of the whole council such work is desirable or necessary in the public interest, and to provide for the cost thereof by special assessment on the property benefited.

3. That the provision relating to the assessment of farm lands in cities be repealed.

4. That, as a principle, real and personal property be assessed at its fair value.

5. That the Assessment Act be so amended as to distribute the burden of taxation more equally, and with this end in view the assessment of personal property should be made without regard to the debts owing on account of it.

6. That provision be made in the Assessment Act that real property belonging to or in the possession of any person or incorporated company, and extending over more than one ward in any city or town, may be assessed together in any one of such wards at the option of the assessor, or that the assessment of the property may be apportioned amongst two or more of such wards in such manner as he may deem convenient, and that in either case the property shall be valued as a whole or as an integral part of the whole.

7. That the personal property of incorporated companies, other than chartered banks, should be liable to assessment to the same extent as that of any private individual or partnership, and that sub-

section 2, of section 39, of the Assessment Act, should be amended accordingly

8. That no sale of lands for taxes in any city or town should be invalid by reason of there having been goods or chattels within the county belonging to or in the possession of the person assessed, for the lands or goods or chattels upon such lands, liable to seizure for taxes, and of no levy by distress having been made upon any such goods or chattels for the payment of taxes due in respect of the lands.

9. That the board of registrars should define the polling sub-divisions for elections to the legislative assembly, and all voters should register with the board of registrars under the Manhood Suffrage Registration Act.

10. That the Industrial Schools Act be amended so as to compel parents or guardians to pay for the keep of children committed.

11. That councils be given power to demand that the capacity of all baskets and boxes in which fruit or vegetables are sold otherwise than by weight shall be plainly marked thereupon.

12. That the act requiring candidates for aldermen to file a statutory declaration of qualification be extended to all cities, towns and villages.

13. That councils have power to fix the

salary of police magistrates where the municipality pays the said salary.

14. That all expenses in connection with an election of members to the legislative assembly be borne by the province.

15. That council be empowered, in the case of the property of any indigent person applying for sustenance and receiving aid, to allow the taxes to stand as a lien against the property.

16. That the legislature be asked to define and limit the meaning of the word "non repair of highways."

17. That the Free Library Act be amended by eliminating the rate of a half mill, the present statutory limitation, and giving discretionary power to the council to increase the grant to an amount not exceeding the present limit.

The election of officers resulted as follows: Mayor Keating, St. Catharines, president; Mayor Nelson, Guelph, first vice-president; Mayor Payment, Ottawa, second vice-president; S. H. Kent, Hamilton, secretary; J. T. Hall, Hamilton, assistant secretary. Executive Committee—E. G. Reynolds, Brockville; Thomas Caswell, Toronto, Mayor Slater, Niagara Falls; C. A. Kingston, London.

It was decided to hold the next convention in the city of St. Catharines during the second week of September, 1901.

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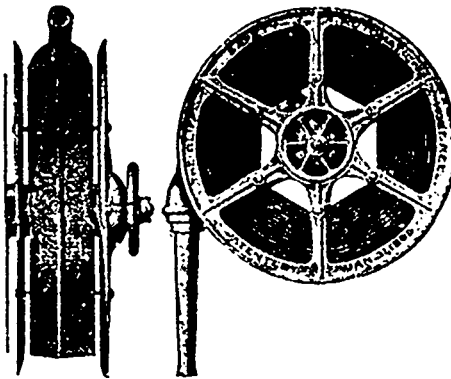
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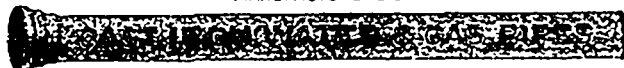
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INDEX TO ADVERTISEMENTS

In the "Canadian Architect and Builder."

Table listing various construction services and materials such as Architects, Cements, Interior Decoration, Roofing Materials, etc., with associated company names and addresses.

Prices of Building Materials.

Table listing prices for pressed brick, including various colors and quantities, with prices per M and per 1000.

Table listing prices for common brick, including various colors and quantities, with prices per M and per 1000.

Table listing prices for stone, including various types like rubble, granite, and sandstone, with prices per ton.

Table listing prices for various building materials including Portland Cement, Slate, and other construction supplies.

Table listing prices for hardware, including nails, spikes, pipes, and other construction materials.