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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. II.

JANUARY 31, 1900

No. 1.

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.

Subscribers who may change their address should give prompt notice of same. In doing so, give both old and new address. Notify the publishers of any irregularity in delivery of paper.



Sealed tenders, addressed to the undersigned, and endorsed "Tender for Lock and Dam, St. Andrew's Rapids, Red River, Man., will be received at this office until THURSDAY, THE 15TH DAY OF FEBRUARY, 1900, for the construction of a

CONCRETE LOCK AND DAM

at St. Andrew's Rapids, Red River, Province of Manitoba.

Plans and specifications can be seen at this Department, at the offices of Mr. Zeph. Malhot, Resident Engineer of the Department at Winnipeg; of Mr. H. A. Gray, Resident Engineer, Confederation Life Building, Toronto; of Mr. C. Desjardins, Clerk of Works, Post Office, Montreal; and of Mr. Ph. Beland, Clerk of Works, Post Office, Quebec. Forms of tender can also be obtained at the above mentioned places.

Persons tendering are notified that tenders will not be considered unless made on the printed forms supplied and signed with their actual signatures.

The Contractor will be required to conform to regulations to be made by the Governor General in Council, respecting the accommodation, medical treatment and sanitary protection of the workmen employed on the work.

Each tender must be accompanied by an accepted bank cheque, made payable to the order of the Honourable the Minister of Public Works, equal to ten per cent. of the amount of tender (10 p.c.) which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

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

By order,
JOS. R. ROY,
Acting Secretary.

Department of Public Works of Canada,
Ottawa, January 18th, 1900.

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

WANTED

Immediately, Architectural Student. **BURKE & HORWOOD**, 28 Toronto Street, Toronto.

FOR SALE

Two Double Cylinder, Double Drum HOISTING ENGINES For full particulars address,
P.O. Box 60, Kingston, Ont.

WANTED

The publishers will pay 75 cents for a complete copy of the CANADIAN ARCHITECT AND BUILDER for November, 1889. Address, **THE C. H. MORTIMER PUBLISHING CO. OF TORONTO**, Limited.

A GREAT BARGAIN

FOR WATERWORKS CONTRACTORS

The undersigned have a quantity of First-Class new Hydrants and Valves for Waterworks to dispose of at specially low prices. Correspondence solicited.

MECHANICS SUPPLY CO.
96 St. Peter Street,
Quebec, Que.

TENDERS WANTED

Sealed tenders, addressed to the undersigned, for the several trades required in the erection and completion of buildings for the Farmers' Co-operative Packing Co., Limited, of Brantford. will be received up to 12 o'clock noon on the 15TH DAY OF FEBRUARY NEXT.

Plans and specifications can be seen at the office of the Company, corner of King and Dalhousie Streets, Brantford, and an application to John Wilson, Architect, Collingwood.

Tenders in each case to be accompanied with a marked cheque of five per cent. of the amount of tender as a mark of good faith. Packing Company's reference, Bank of British North America, Brantford.

The lowest or any tender not necessarily accepted.

GEO BALLACHEY,
Secretary.

Brantford, Jan 29th, 1900.



Welland Canal

NOTICE TO CONTRACTORS

EXTENSION OF TIME

The time for receiving tenders for Improvements at Port Colborne has been extended until sixteen o'clock on MONDAY, THE 26TH FEBRUARY, 1900.

By order,
L. K. JONES,
Secretary.

Department of Railways and Canals,
Ottawa, 24th January, 1900.

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

Position Wanted

ENGLISHMAN (33) SEEKS ENGAGEMENT in Canada as Clerk of Works or Builder's Managing Foreman; 17 years' experience on first-class works. Thorough knowledge building trades, also well up in electrical and mechanical engineering. Good draughtsman. Highest references and testimonials. Address, **JOHN HOLDEN**, Ashbourne Road, Rochester, Staffs., England.

SEALED TENDERS

Will be received by the undersigned up to FRIDAY, FEBRUARY 7TH, 1900, for all trades required in the Erection of a Residence on the Lake Shore road near Toronto. Plans and specifications may be seen at the office of the architects, to whom tenders are to be addressed. The lowest or any tender not necessarily accepted.

GOUINLOCK & BAKER, Architects,
714 Temple Building, Toronto.

Sealed Tenders

Will be received by the undersigned up to FRIDAY, FEBRUARY 7TH, 1900, for all trades required in making alterations and additions to premises, corner York Street and Millstone Lane, Toronto. Plans and specifications may be seen at the office of the architects, to whom tenders are to be addressed. The lowest or any tender not necessarily accepted.

GOUINLOCK & BAKER, Architects,
714 Temple Building, Toronto.

Municipal Debentures

The Secretary-Treasurer of the Municipality of South Qu'Appelle is prepared to receive offers for the sale of 20 Years 6 per cent. Debentures.

Twenty at the par value of \$250.00 each.

J. C. STARR,
Secretary-Treasurer.

Qu'Appelle Station, N.W.T.,
January 4th, 1900.

CONTRACTS OPEN.

BRADLEY, ONT.—D. Campbell is preparing to erect a residence.

PICTOU, N.S.—A new building will be erected for the Pictou Advocate.

ST. EUGENE, ONT.—The residents contemplate erecting a convent here.

BEEBE PLAIN, QUE.—The Standstead Granite Co. will likely build a store here.

KENTVILLE, N.S.—The Lloyd Manufacturing Co. are rebuilding their foundry.

SEELEY'S BAY, ONT.—A brick building will be erected in the spring by Stacey Bros.

SARNIA, ONT.—Chas. McFee is preparing the foundation for a new warehouse.

NANAIMO, B.C.—Tenders have been taken by G. R. Raymond on alterations to the Hotel Wilson.

BRYSAN, QUE.—A line of railway is to be built from this place to the Grand Calumet mines.

GOLDEN GROVE, N.B.—Plans have been prepared for a new Anglican church to be built here.

ST. ALBANS, QUE.—R. C. Payson, of Portland, will probably establish a canning factory here.

HINTONBURG, ONT.—The Ottawa Land Association is understood to have

on foot a scheme to build a dam across the Ottawa river, above the Chaudiere Falls.

WHITBY, ONT.—Plans will be prepared at an early date for the proposed county House of Refuge.

ST. STEPHEN, N.B.—Gay & Mallory intend erecting a large two-storey building in the spring.

HEMINGFORD, QUE.—A parsonage will probably be built by the trustees of of St. Andrew's church.

BATHURST, N.B.—Gloucester county council has decided to borrow \$20,000 to erect a court house.

PRESCOTT, ONT.—The Imperial Starch Co. are likely to erect their proposed factory in this town.

STRATFORD, ONT.—R. S. Porteous, whose factory was recently destroyed by fire, has decided to rebuild.

NEWMARKET, ONT.—James Corrigan is organizing a company to equip a butter-making plant at Ravenhoe.

CHATHAM, ONT.—A wind-mill and pump factory will be erected on Van Allen avenue by Clarence Tickner.

CHARLOTTETOWN, P.E.I.—A gentleman has offered to donate \$10,000 towards a public library building.

STURGEON FALLS, ONT.—The Sturgeon Falls Pulp Co. are about to build a third large pulp mill at this place.

TRURO, N.S.—A New Brunswick capitalist was here last week looking for a site for a brush and whisk factory.

BRANTFORD, ONT.—Pratt & Letchworth are about to remodel the Grand Trunk building for factory purposes.

WINDSOR MILLS, QUE.—Mr Green, C.E., is taking levels for the waterworks system to be commenced in the spring.

LEAMINGTON, ONT.—Plans will be prepared at once for the House of Refuge to be built at this place by the county.

CASCADE CITY, B.C.—The foundation has been completed for the power house of the Cascade Water Power & Light Co.

SYDNEY, C.B.—Prowse Bros., of Charlottetown, P.E.I., have purchased property here and will erect a large brick store in the spring.

TIVERTON, ONT.—Tenders are invited by John McKellar up to February 3rd, for the erection of St. Andrews Presbyterian church.

PARRY SOUND, ONT.—Preparations are being made for the erection of several houses in the East ward as soon as spring opens.

EDMONTON, N. W. T.—Edmiston & Johnston, architects, are preparing plans for the new Presbyterian church to be built here in the spring.

PENETANGUISHENE, ONT.—Tenders are being taken this week by A. B. Thompson for erection of Sunday school for Church of England.

DUNNVILLE, ONT.—The Depew Manufacturing Co., of Buffalo, manufacturers of agricultural implements, will probably establish a branch at this place.

LONDON, ONT.—Geo. Fletcher is building a two-storey brick residence on Wellington street—Graham Bros. intend making alterations to their store.

PORT ARTHUR, ONT.—Application has been made for the incorporation of the Mineral Railway Co. to build a line from Gros Cap to connect with the C.P.R.

SUSSEX, N.B.—The Sussex Mercantile Co. are reported to have purchased the Queen's hotel property, with the intention of building thereon a large new hotel.

ORILLIA, ONT.—The Ontario Government has decided to fit up the attic and basement of the asylum here, so as to provide accommodation for 100 more patients.

DIPPER HARBOR, N.B.—A survey will

be made at once with a view to the restoration of the breakwater at this place, the work to be done by the Dominion government.

PAISLEY, ONT.—The Paisley Pork Packing Co., organized here, have purchased the old Northern hotel property, and intend fitting it up to meet their requirements.

DAVENPORT, ONT.—Liberal subscriptions have been received towards the proposed rebuilding of the Methodist church; estimated cost, \$4,000. Rev. H. S. Matthews is pastor.

ST. BONIFACE, MAN.—The council have commissioned Joseph Hargraves, of the Winnipeg city engineering department, to prepare plans for a sewage system for this town.

BLYTH, ONT.—T. W. Scott intends erecting a brick store in the spring.—J. G. Moser, Joseph Strothers and Heffren Bros. purpose building a block of stores next summer.

NEW WESTMINSTER, B.C.—It is rumored that the Ross-McLaren saw mill on the Fraser river, about two miles from this city, is to be fitted up and put in operation again.

PORT ROBINSON, ONT.—It is rumored here that the Cataract Power Co. intend building a power canal from the Chipewa creek to connect with their power canal at Allanburg.

EAST SELKIRK, MAN.—W. S. Eides, secretary-treasurer of the school district of Melrose, invites plans and tenders up to Saturday, February 17th, for the erection of a school house.

HULL, QUE.—The Oblat Fathers, who have charge of the parish work in this city, will likely build a new church, hospital and convent, a site having been donated for that purpose.

PORT HOOD, N.S.—Geo. E. Faulkner, of Halifax, has recently been in the west in the interest of the Port Hood Mining Co. This company are about to develop their property at this place.

HARROWSMITH, ONT.—A joint stock company, with \$10,000 capital, has been formed to operate a canning factory here. Building operations will be begun shortly. Alfred Hunter is one of the promoters.

SHAWINIGAN FALLS, QUE.—The Shawinigan Falls Hotel Co. has been organized, with a capital of \$1,000,000, to build an hotel at this place. R. W. Douglas, of Montreal, is secretary of the company.

ST. LOUIS, QUE.—The ratepayers will vote on a by-law to grant a bonus of \$50,000 and a building site to the Phoenix Bridge & Iron Works, of Montreal, which agrees to erect buildings covering 30,000 square feet.

RAT PORTAGE, ONT.—The Wabigoon, Manitou & Rainy Lake Railway Co. purpose building a railway from Mine Centre to a point on the Ontario & Rainy River Railway between Fort Francis and Sturgeon Falls.

LISTOWEL, ONT.—Over \$10,000 has been subscribed towards the proposed furniture factory.—The county council at last meeting considered the construction of a bridge on the town line between Elma and Mornington.

ST. CATHARINES, ONT.—E. F. Dwyer, Secretary of the Security Loan Co., wants tenders by noon of Saturday next for repairs and alterations to the Rykert residence property. Plans at office of S. G. Dolson, architect.

DARTMOUTH, N.S.—The Legislature will be asked for authority to borrow \$30,000 to provide the town with an electric light plant. An engineer will be engaged to report on the water power available at Port Wallace locks.

QUEBEC, QUE.—An act will be introduced at present session of Legislature to

enable the city to borrow \$150,000 for new street pavements and drains and to exempt the Great Northern Railway from taxation on its proposed elevators.

WEYMOUTH, N.S.—The Sissiboo Pulp & Paper Co. have the timber and other materials on the ground for the construction of a dam and another pulp mill early in the spring. Chas. Burrill is the chief promoter of this enterprise.

HAMPTON, N.B.—J. C. T. McKean, architect, of St. John, has been engaged to prepare plans and estimates for additions to the court house, providing offices and vaults for records and deeds, as well as for hot water heating; estimated cost, \$4,200.

PERTH, ONT.—The Dalhousie township council have appointed commissioners to arrange for the erection of a new bridge over the Mississippi river at Sheridan's Rapids.—Bids will likely be asked for the purchase of \$20,000 of debentures.

BRANDON, MAN.—The Brandon Electric Light Co. are considering a proposal to utilize the water power of the Little Saskatchewan river, which flows into the Assiniboine about eight miles west of here. The manager of the company is Geo. Patterson.

YARMOUTH, N.S.—The Nova Scotia Development Co. invite tenders up to noon to-day for building masonry abutments for the bridges over the Barrington and Clyde rivers, on the line of the Halifax and Yarmouth railway. Plans at engineer's office, this place.

WOODSTOCK, ONT.—The officers of the Oxford Rifles are taking steps to secure the erection of a drill shed or armoury. It is said that if a site is secured, the Dominion Government will give \$20,000 with which to erect the building. Particulars from James C. Hegler.

VANCOUVER, B.C.—W. Blackmore, architect, is taking tenders up to Thursday of this week for the erection of the new Wesley church and Sunday school building, corner of Burrard and Georgia streets.—C. Woodward has purchased the Lion brewery at Mount Pleasant and purposes remodelling it and building large stables.

PORT COLBORNE, ONT.—Last week H. Carscallen, W. E. G. Boyd and C. J. Myles, of Hamilton, visited this place for the purpose of looking over available sites for a blast furnace. The town has been asked to grant a free site and a bonus of \$25,000.—The Pitzke block is to be remodelled, the second story to be laid out in offices.

KINGSTON, ONT.—The Department of Public Works at Ottawa has prepared plans for a new hospital 36 x 50 feet, two stories, for the Royal Military College in this city.—Tenders are invited by Power & Son, architects, up to 6 p.m. of Friday next, for rebuilding the store, block and opera house entrance on Princess street for the Grand Opera House Co.

PETERBORO, ONT.—Notwithstanding contradictory reports, the Dominion government is understood to have agreed to pay one-third of the cost of the proposed bridge over Hemong Lake, for which tenders have been invited, from plans prepared by A. J. Belcher, county engineer. The cost will be about \$25,000.

MIDLAND, ONT.—It is reported that W. H. Bennett intends erecting a large hotel at the corner of King and Florence streets.—John Munroe has purchased the planing mill of Paul Bros., and will put in machinery for the manufacture of sashes and doors.—The railway officials have selected a site for proposed freight sheds.

ST. JOHN, N.B.—H. H. Mott, architect, is preparing plans for remodelling the Vaughan House on Paddock street.—The New Brunswick Telephone Co. have

decided to erect a line next summer between this city and St. Stephen. Arrangements are now being completed for the line to be built in the spring between here and Chatham. Particulars may be obtained from James Barnes, M.P.P., of Buctouche.

LUCKNOW, ONT.—James Gilmore, of this place, will receive tenders up to Tuesday, February 6th, for the erection of a brick or stone school-house for school section No. 7, Ashfield.—Tenders are invited by D. B. Murray up to February 10th, for the erection of a brick school on lot 19, concession 7. Plans may be seen at the office of A. P. Stuart, architect, this place, or at residence of D. B. Murray, St. Helens P.O.

LITTLE CURRENT, ONT.—The congregation of Holy Trinity church may build a parsonage.—A movement is on foot to secure the erection of a summer hotel here.—The Algoma-Mantoulin Railway Co. will ask permission at coming session of Legislature to build a railway from this place to the south-east shore of James Bay, from the township of Drury to Sudbury, the south shore of Manitoulin Island and Meaford, passing through Warton and Owen Sound.

COLLINGWOOD, ONT.—The county council will be asked to guarantee the debentures for \$50,000 granted to the Steel Ship Building Company.—The Collingwood Pork Packing Co. are preparing to build a new wing to their establishment, to be about the same size as the present main building.—The Emerson saw mill near this place has been purchased by J. & T. Charlton, of Tonawanda, who will immediately overhaul the plant and put in new machinery.

GUELPH, ONT.—W. Fry Colwell, architect, has taken tenders for alterations to the Herald business office.—The Guelph & Ontario Investment & Savings Society will receive tenders up to February 2nd for alterations to building, upon plans prepared by Stewart McPhee, architect, of Hamilton.—Wellington county council has decided to replace Gibson's bridge, on the town line between Peel and Arthur, with a steel structure. A new bridge will also be built by the county on the boundary line between Minto and Normandy.

THREE RIVERS, QUE.—A deputation from this district has requested the provincial government to grant financial assistance towards building a bridge across the St. Maurice river; estimated cost, \$125,000, towards which the government is asked to contribute \$25,000.—It is understood that arrangements are nearing completion for the establishment of a large cotton mill at this place.—The question of the construction of an electric railway from this city to Shawinigan Falls is under consideration.

VICTORIA, B.C.—S. Maclure, architect, has taken tenders for building an hotel at Shawnigan Lake for the Shawnigan Lake Hotel Co.—The School Board is considering the erection of a new high school and a school for Victoria West.—The council has decided to lay a concrete sidewalk on Government street, between Cormorant and Fisguard streets.—The fire wardens committee have recommended the erection of a fire hall in Victoria west, at cost of \$9,000, and the purchase of a combined chemical engine and hose wagon.

MONTREAL, QUE.—The erection of a new church, corner of Laurier avenue and Carriere street, in the parish of St. Denis, will be begun in the spring.—The Canadian Pacific Railway Telegraphs have purchased the old building now occupied at the corner of St. Francis Xavier and Hospital streets. It is the intention to tear down the building and erect on the site a new structure for their headquarters. Plans have not yet been prepared.—J. L. Record, manager of the Barnett &

Record Co., who have the contract for the construction of elevator at this place for the Connors Syndicate, states that the work will begin with the construction of one working elevator of 1,000,000 bushels capacity and a storage addition for 2,000,000 bushels. As much of the material as possible will be purchased in Canada, although the steel work will likely be supplied by United States firms.

WINNIPEG, MAN.—It is reported that the Great Northern Railway has completed its survey of the Botineau and Portal line.—A movement is on foot to establish in this city an Icelandic college, for which purpose Rev. B. B. Johnson, financial solicitor of the Icelandic School Fund, was recently in the city.—The plans for the improvements to the Red river, for which tenders are asked in this issue of the RECORD, call for a dam across the river 800 feet in length, a canal 1,900 feet in length, one set of locks 215 feet in length, and dredging for a distance of some 400 feet. The lock will be of masonry 215 feet long, 45 feet wide, with solid concrete to a depth of 33 feet. The gates of the lock will be of steel.—It is rumored that the Manitoba hotel will be rebuilt by the C.P.R., but as yet the officials here have not been apprised of the fact.—The council will endeavor to induce the provincial government to take action towards improving the main roads leading into the city.

HAMILTON, ONT.—The Hamilton Iron & Steel Co. will erect a \$6,000 office building, corner Queen and Stuart streets.—The Toronto, Hamilton & Buffalo Railway have made application for permission to build a spur line to the north easterly part of the city.—The Mayor is of the opinion that the council will submit to the people a by-law to raise \$200,000 for water-works improvements. The city engineer has presented a voluminous report on the subject, re-advocating the laying of the third main, the dividing of the city into districts and the enlargement of the filtering basins.—T. Beasley, city clerk, invites tenders up to noon of February 6th for the annual supply of lumber, spikes, Portland cement and stone curbing for the Board of Works.—Tenders for alterations to offices for the Cataract Power Co., King street east, are invited by the architect, E. B. Patterson, up to 6 p.m., of February 1st.

OTTAWA, ONT.—E. F. E. Roy, Secretary Department of Public Works, will receive tenders up to February 15th for the construction of a wharf with approach on the St. Mary river at Port Findlay, Algoma County. Plans at office of H. A. Gray, Confederation Life Bldg, Toronto, at post-office at MacLennan, Township of Tarbutt, and at the above department.—At the annual meeting of the Lady Stanley Institute, the need of increased accommodation was pointed out.—The House of Mercy on Wellington street is being enlarged by a \$30,000 addition.—Some of the members of council do not favor the purchase of another fire engine, as recommended by Chief Provost.—It is expected that tenders for the masonry work of the new Maria street bridge will be called for this week. There will be two stone piers and two stone abutments. The specifications for the superstructure are not yet completed.—The Department of Railways and Canals recently invited tenders for the construction of the Trenton & Frankford division of the Trent Valley Canal. It is understood that M. J. Haney was the lowest tender, at something like \$1,000,000. Now it is stated that the route adopted is to be abandoned and new tenders invited for an alternate route.—F. C. Gilbert, president of the Y.M.C.A., states that the present building is too small, and that steps will be taken at an early date to build a new structure on another site.—The Ottawa Improvement Committee, at a meeting last week, accepted plans prepared for the improvement of King street,

the construction of a bridge across the Rideau, the opening up of a new avenue through Rideau Hall grounds, and the widening of Rockcliffe Road. The bridge will be steel on stone piers and abutments. The work above outlined will cost about \$100,000. Robert Surtees, C.E., is consulting engineer.—The Militia Department is about to commence the erection of the militia stores building, which will be 131x75 feet, four stories. The county council is considering the construction of a bridge over the south branch of the Castor River, on the county line between Carlton and the united counties of Prescott and Russell.—There is a movement on foot among the French residents of Central and Wellington wards to have separate schools erected in these wards.—The scheme to construct a dam above the Chaudiere Falls will probably be started in the spring. The Ottawa Electric Co. are interested.—The Property Committee of the county council have adopted plans submitted by M. C. Edey, architect, for extensive alterations to the court house.—A company will ask incorporation at the coming session of Parliament to construct a railway from Ottawa to a point on the St. Lawrence near Morrisburg or Iroquois.—The C.P.R. are said to have under consideration the erection of elevators at North Bay, the increasing of the capacity of the elevator at Fort William, and the laying of double tracks from North Bay to Montreal.—Members of the syndicate interested in the proposed Georgian Bay and Ottawa canal recently sailed from England to look over the ground. It is proposed to turn the first sod on next Dominion Day.—Stephen O'Brien, Secretary of the Ottawa Improvement Commission, will receive bids up to 12th February for supply of 800 tonne of syenite stone.—John Galt, city engineer, asks tenders up to February 14th for cutting a channel through the ice in the Rideau river.

TORONTO, ONT.—Gourlay, Winter & Leeming are about to remodel their warehouses at 188 Yonge street.—The C. P. R. will likely lease the Great North-West Central Railway and further extend the road.—Plans for the wharf to be built at Fort Findlay by the Dominion government are on view at the office of H. A. Gray, C.E., Confederation Life building, this city. Cheque for \$500 is to accompany tender.—The C. P. and G. T. Railways have appealed against the decision of the Railway Committee of the Privy Council in the matter of the Lansdowne ave. crossing in this city. This committee ordered that a subway should be constructed, the city paying one-half the cost and the railway companies the other.—The estimates of the Fire and Light Committee have been presented to council. The chief items of new plant are the 65 foot aerial hook and ladder truck, cost \$4,000, and 3,500 feet of 2½ inch fire hose, cost \$2,700. Clocks have been asked for for Cowan ave. and Bolton avenue fire halls.—The city invites tenders up to Thursday, 1st inst., for asphalt pavements on portions of Lipincott street, Spadina road, Church street, Prince Arthur avenue and Lowther avenue; gravel roadway on Grosvenor street, Yonge street to Queens Park crescent; macadam roadway on McDonnell square, Bathurst street to Deloc street, and for concrete walks.—Ald. Stewart's application for a new police station in ward one has been referred to a sub-committee of the Property Committee.—The Management Committee of the Public School Board, at a meeting held last week, decided to recommend the following enlargements to schools: Pape avenue, two rooms, to relieve Bolton, Morse, and Hamilton schools, 7 rooms (new school may be built); Winchester school, 3 rooms; Park school, 4 rooms; Palmerston avenue school, 3 rooms; Grace, Clinton, and Dewson schools, 1 room each; Dowercourt school, 4 rooms; Perth avenue school, 4

rooms. It was decided to erect a new 12-room building to replace the present Bathurst street school.—The city engineer has submitted the estimates for the year to the Board of Works. For general purposes he asks \$360,410, and for waterworks purposes \$1,041,929. In the waterworks estimates the following items are included: Waste prevention, \$10,000; concreting sides and bottom of Rosehill reservoir, \$20,000; new 10,000,000 gallon engine and boilers, main pumping station, \$55,000; new 5,000,000 gallon engine and boilers, high level pumping station, \$25,000; new engine house, high level pumping station, \$5,000; improvement to water supply tunnel scheme, tunnel, including screen, valve chambers, etc., \$325,000; 6-foot steel pipe from shore crib to opposite Island basin, including necessary connections, \$8,500; 6-foot steel pipe from opposite Island basin to tunnel shaft, including 5-foot connection to existing 5-foot steel pipe, \$96,250; 36-inch main on Bathurst, Dupont, Yonge streets, from College street to Rosehill reservoir, \$176,536; 24-inch main on East Front street, from Church to George street, 1,050 feet, \$9,244.36. To place the existing waterworks in first-class condition the following works are recommended: Tunnel under the bay; extension of the new 6-foot conduit from the shore crib northerly; a 36-inch main from the corner of Bathurst and College streets to the Rosehill reservoir; a new 20-inch pumping main from the western entrance to the high level station, along Poplar Plains road and Dupont street to St. George street; a new 12-inch main along St. George street, from Dupont street to Bloor street, and the extension of the 24-inch main on Front street. He also recommends a large number of extensive repairs to roadways, and asks for a sum for relaying the existing stone pavement on Wellington street, from Yonge to Bay, and the stone flag sidewalk on south side of King street, from Yonge to George. He suggests an appropriation of \$7,000 for the purpose of procuring additional information regarding sewage disposal. The following pavements and walks are recommended: Cedar blocks on Borden street, from Ulster to Bloor, cost \$4,330; macadam road on Shuter street, from Yonge to Sherbourne, cost \$50,550; Huron street, concrete walk from Lowther to Bernard avenues, cost \$1,075; Lowther avenue, concrete walk, from Spadina to Madison, cost \$417; same from Admiral road to St. George street, cost \$304; Elgin avenue, concrete walk, from Avenue road to Bedford road, cost \$617.—Building permits have been granted as follows: Alfred Clatworthy, two-story brick and rough-cast dwelling, east side Crawford St., north of Bloor, cost \$900; N. Manning, alterations to two detached dwellings, 112-14 Macdonell avenue, cost \$1,000; A. J. Duff, pair semi-detached brick and stone dwellings, Columbus street, north side, near Sorara avenue, cost \$1,000.

CONTRACTS AWARDED.

VICTORIA, B.C.—Building on Yates street for O. B. Williams & Co.: J. G. Tiarks, architect; J. Baker, contractor; cost about \$5,000.

HAMILTON, ONT.—The Brant Hotel Co. have awarded the contract for their hotel at Burlington Beach to A. B. Cole-

man. The hotel will cost \$50,000 and will be completed early next summer.

WINNIPEG, MAN.—Duncan Fraser has secured a contract from Seaman & Co.,

bridge contractors of the Ontario & Rainy River Railway, to get out timber for a large bridge to be built across Rainy lake.

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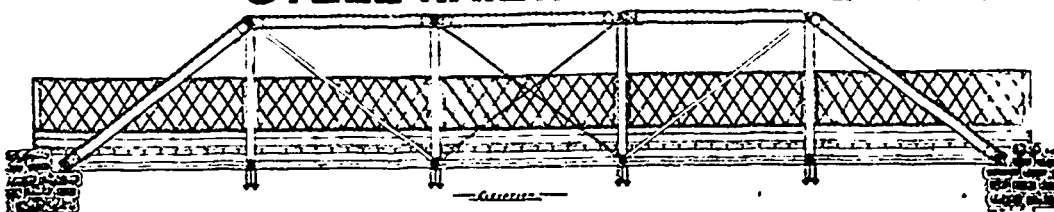
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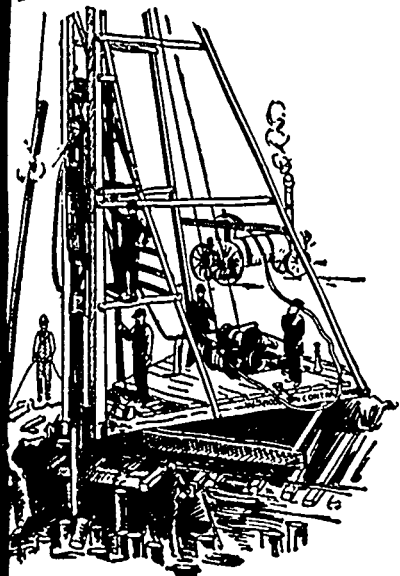


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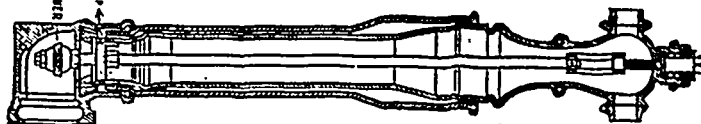
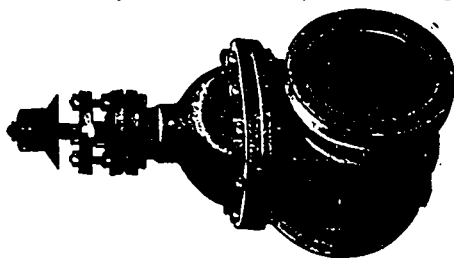
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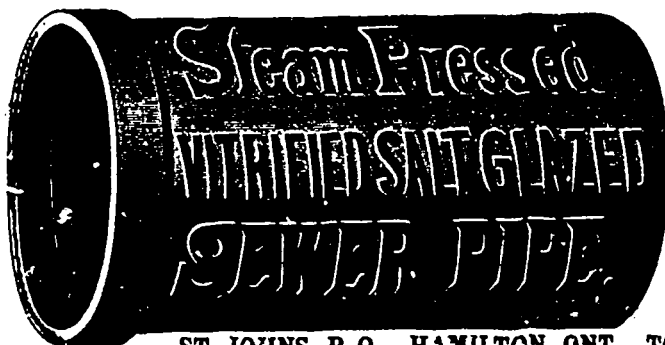
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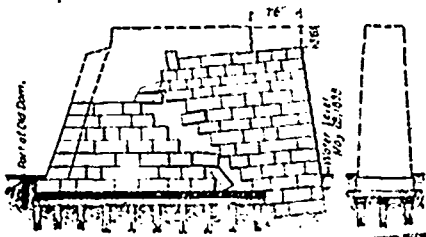
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DISPLACEMENT OF A BRIDGE PIER.

The displacement by ice of part of the masonry in a pier of the Richmond bridge across the St. Francis river, Canada, was described in The Engineering Record on November 11, 1899. The note led to an inquiry for further particulars, addressed to Mr. Phelps Johnson, manager of the Dominion Bridge Company, which rebuilt the structure. In his reply he explains that "the masonry for this bridge was built by Henry McFarlane about 1880, and was intended for a wooden Howe truss structure. After the piers were completed it was concluded to build an iron bridge, and it being thought unwise to lower the grade of the floor, the end posts were made of unusual length and the end lower



chord bars dropped so that the structure would occupy the same height from masonry to grade that had been planned for the wooden bridge." Accompanying Mr. Johnson's letter was a report from Mr. William Ross, who had charge of the reconstruction of the bridge. He said that the cut-water stone and a few other stones of three courses were found in the opening in the pier and at its west side. The foundation was three rows of piles, driven in gravel, with three pieces for caps covered over with square timber, as shown in the sketch, the piles being cut even with the gravel. The gravel at the side next to the island was as high as the top of the timber, but at the other side it was as low as the top of the piles. The foundation and seven courses of the cut-water, or front of pier, were just as when built, but about 7 feet in length of the first course of stone had slipped on the timber foundation.—Engineering Record.

LEGAL DECISIONS AFFECTING MUNICIPALITIES.

RE SHARPE AND TOWNSHIP OF CAISTER.—Judgment on motion to quash by-law to close up part of road allowance between 1st and 2nd concessions of the township, and by-law to open up a road across lot 21 in the second concession. Held, that both by-laws must be quashed because the notices were not posted up one full month previously to the passing thereof, and such posting is a condition precedent under R.S.O., ch. 223, sec. 546, to valid action by the municipality. The cases are collected in re Ostend, 15 A.R.,

372; affirmed re Huron, 19 A.R., 343. If the notices in this case had complied with the statute the by-law would not have been quashed on the other grounds raised. Order made quashing by-laws without cost.

RE MCDIRMIID AND TOWNSHIP OF DUNWICH.—Tried in Single Court at Toronto. Judgment on motion to quash by-law of the township number 559, passed to provide for the cleaning out and extensions of outlet and improvements of the ditch known as the Dunwich and Aldborough Government drain No. 1 north, and for raising \$1,368, the townships proportion, for completion of same. The by-law is attacked on two grounds: (1) that the report of the engineer was sent back for amendment, and (2) that he amended his second report, and did not exercise independent judgment in making it. The learned judge sees nothing in the course pursued that is illegal or contrary to the intent of the statute, R.S.O., ch. 226, sec. 75. Re Jenkins, 25 O.R., 402, does not meet this case at any point. Motion dismissed with costs.

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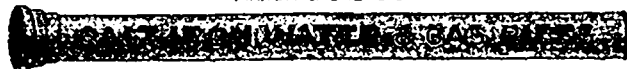
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Ontario Lime Association. Rice Lewis & Son... IV Toronto Directory... x	Folding Partitions. Seaman, Kent & Co. vi Springer, O. T..... vii	Ornamental Iron Work. Dennis Wire & Iron Co iv Toronto Fence & Ornamental Iron Works. iv	
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Contractors' Plant and Machinery Rice Lewis & Son... IV	Granite Brunet, Jos..... iii Brodie, James..... iii Stanstead Granite Quarries Co..... iii	Paints and Varnishes Muirhead, Andrew ... i	
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Hard Building.....	6 00	11 50
" Sewers.....	6 00	11 50
Roofing Tiles, \$20.00 per 1,000, \$23.00 Montreal.		

DON VALLEY PRESSED BRICK WORKS.
F.O.B. F.O.B.
Don Valley. Montreal.

Red A.....	18 00	24 00
Red B.....	16 00	20 00
Red C.....	13 00	17 00
Trojan and Corinthian.....	21 00	28 00
Pompeian.....	22 00	29 00
Athenian and Egyptian.....	25 00	31 00
Tyrian.....	35 00	41 00
Sicilian.....	40 00	45 00
Roman.....	35 00	40 00
Carthaginian.....	40 45	45 00
Ornamental.....	30 00 100 00	30 00 100 00
Common insides.....	6 00	
Hard sewers.....	7 50	
Vitrified pavers, 1st 1/2.....	16 00	22 00
" 2nds.....	10 00	15 00

COMMON BRICK, Per M.

F.O.B. F.O.B.
Toronto. Montreal.

Common Walling.....	7 00 8 00	7 50 8 00
Good Facing.....	8 00 9 00	8 50
Sewer.....	8 00 9 00	8 50 9 00

STONE.

Common Rubble, per tonse, delivered.....	10 10	11 00
Large flat Rubble, per tonse, delivered.....	14 00	18 00
Foundation Blocks, per c. ft. Granite (Stanstead) Ashlar, 6 in. to 12 in., rise etc., per ft. Amherst Red Sandstone.....	30	50
Amherst, N.S., per cub. ft. Kent Free stone Quarries, Moncton, N.B., per cu. ft. River John, N.S., brown Freestone, per cu. ft.....	1 00	75
Port Phillip, N.S. Brown Sandstone.....	95	95

"Scoria" Paving Blocks, 8" x 3 1/2" x 5"..... 55

"Scoria" Paving Blocks, 8" x 3 1/2" x 4"..... 45 00

Masiloon and Vermont rough granite for building purposes, per c. ft. f.o.b. quarry For ornamental work, cu. ft. Granite paving blocks, 8 in. to 12 in. x 6 in. x 4 1/2 in. per M. Granite curbing stone, 6 in. x 20 in. per lineal foot..... 70

CREDIT VALLEY STONE.
F.O.B. Quarries. 7 00

Rubble, per car of 15 tons... Brown Coursing, up to 10 in, per sup. yard..... 1 50 to 1 75

Brown Dimension, per cub. ft. Grey Coursing, per sup. yard Grey Dimension, per cub. ft. 60 1 00 45

LONGFORD STONE.

Rubble, per 30 M. car..... 5 00

Ashlar, per cub. yd..... 2 00

Dimension, per cub. ft..... 18

SLATE. Toronto. Montreal.

Roofing (per square) " red..... 17 50 20 00

" purple..... 8 50 10 00

" unslating green..... 8 50 7 00 8 00

" black..... 7 50 6 50

Terra Cotta Tile, per sq..... 20 00 25 00

Ornamental Black Slate Roofing..... 8 80 6 80

CEMENT, LIME, etc.

Portland Cement — German per bbl..... 2 90 3 10 2 55 2 65

London "..... 2 95 3 00 2 45 2 45

Newcas le "..... 2 70 3 00 1 95 2 10

"Jessen" Brand Portland 3 05 3 25 2 70 2 80

"Dyckerhoff"..... 3 05 3 25 2 75 2 80

North's "Condor"..... 2 95 3 10 2 65 2 80

English, artificial, per bbl..... 2 85 3 00 2 35 2 45

Belgian, natural, per bbl..... 2 80 2 75 2 00 2 20

Canadian, artificial, "..... 2 85 3 00 2 60 2 70

Roman "..... 2 20 2 25

Parian "..... 5 25 5 25 5 75 5 75

Keene Superfine "Whites"..... 11 00 12 00 10 00 10 00

Keene's Coarse "Whites"..... 8 00 8 50 8 50 9 00

"Karlstadt" (German)..... 3 05 3 25 2 75 2 90

"Germania" (German)..... 2 85 3 00 2 35 2 45

"Rooster" (Belgian)..... 2 05 2 20

"Keystone" (Belgian)..... 2 05 2 20

"Anvil" (Belgian)..... 1 95 2 05

"Burham" (English)..... 2 95 3 00 2 25 2 45

Hydraulic Cements.— Thorold, per bbl..... 1 50 1 65

Queenston, "..... 1 50 1 50 1 60

Napanee, "..... 1 50 1 50

Hull, "..... 1 50 1 50

Ontario, "..... 1 25

Fire Bricks, Newcastle, per M 30 00 35 00 16 00 21 00

" Scotch 30 00 35 00 19 00 21 00

Lime, 100 lbs., Grey..... 25

" " White..... 30

Plaster, Calcined, N. B..... 2 00 1 50

" " N. S..... 2 00 1 50

Hair, Plasterers', per bag..... 80 1 00 65

HARDWARE.

The following are the quotations to builders for nails at Toronto and Montreal:

Cut nails, 50d & 60d, per keg 2 65 2 25

Steel " " 2 75 2 35

CUT NAILS, FENCE AND CUT SPIKES.

40d, hot cut, per 100 lbs 2 65 2 25

10 to 12d, hot cut..... 2 75 2 35

8d, 9d, " "..... 2 80 2 40

6d, 7d, " "..... 2 95 2 55

4d to 5d, " "..... 3 05 2 65

3d, " "..... 3 20 2 80

2d, " "..... 3 65 3 25

Cut spikes, 10 cents per keg advance. Steel Nails, 1cc, per keg extra. Wire nails, 3-4 base price.

Iron Pipe:

Iron pipe, 3/4 inch, per foot... 6c. 60

" " 1/2 " " " 7 7 5/8

" " 1/2 " " " 12 12

" " 1 " " " 17 17 1/2

" " 1 1/4 " " " 24 24

" " 1 1/2 " " " 30 30

" " 2 " " " 43 43

Lead Pipe:

Lead pipe, per lb..... 7c. 25 per cent.

Waste pipe, per lb..... 7 1/2 cent.

Galvanized Iron:

Adam's—Mar's Best and Queen's Head and "Pollo 16 to 24 gauge, per lb..... 4 1/2c. 4 1/2c.

26 gauge, "..... 4 1/2 5

28 " "..... 5 5 1/2

Gordon Crown— 16 to 24 gauge, per lb..... 4 1/2 4 1/2

26 gauge, "..... 4 1/2 4 1/2

28 " "..... 4 1/2 5

Note.—Cheaper grades about 1/2c. per lb. less

Structural Iron:

Steel Beams, per 100 lbs..... 2 75

" channels, " .. 2 85

" angles, " .. 2 80

" tees, " .. 2 80

" plates, " .. 2 55

Sheared steel bridge plate..