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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.

OCTOBER 10, 1900

No. 36

THE CANADIAN CONTRACT RECORD.

PUBLISHED EVERY WEDNESDAY As in Intermediate Edition of the "Canadian Architect and Builder."

Sibscription price of " Canadian Architect and Builder" (including " Canadian Contrac" Record" J. \$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 to Dominion regarding contracts open to

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.



DEPARTMENT OF RAILWAYS AND CANALS

Lachine Canal NOTICE TO CONTRACTORS

EXTENSION OF TIME.

The time for receiving tenders for New Lock, La-chine Canal, has been extended until Sixteen o'clock on Tuesday, the 16th October, 1900.

By order, L. K. JONES, Secretary.

Department of Railways and Canals, Ottawa, 28th September, 1900.

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

IIGE TO CONTRACTORS

Scaled proposals will be received up to to o'clock, a.m., of OCTOBER 2011, 1900, by the Township of Finch, for the construction of a

SEWER

in the Village of South Finch, in the County of Stor-

in the Village of South Finch, in the County or Stormant.

The work will consist of approximately six hundred and sixty-eight cubic yards of Rock Excavation, one thousand, one hundred and five cubic yards of Earth Excavation; the laying of about two thousand, three hundred and eighty-seven feet of 6-inch or 9 inch Drain Pipe; the building of three Catch Ilauins and two Man-Holes.

Specifications for the above week and copies of instructions to bidders may be had by applying to Joan A. Cockburn, Clerk of the Township of Finch, Crysler, Oat, or to Geo. L. Brown, County Engineer, Morrisburg Ont.

All tenders must be made on the blank forms furnished upon application to the undersigned.

The Township reserves the right to reject any or all bids.

JOHN A. COCKBURN, Clerk Township of Finch.

GEO. L. BROWN, Engineer.

DEBENTURES FOR SALE

Sealed tenders will be received by the undersigned up to noon on MONDAY, OCTOBER 25711, 1900, for Debentures of the town of Bracebridge for the sum of \$7.000, tenparable in twenty equal annual instalments, and bearing interest at 4 per cent.

For further particulars apply to

ALEX. C. SALMON.
Town Clerk.

Bracebridge, Oct. and, 1000



SEALED TENDERS, addressed to the undersigned and endorsed "Tender for Post Office, Paris, Ont.," will be received at this office until MONDAY, THE FIFTEEN (HOCTOBER NEXT, inclusively, for the erection of a Post Office at Paris, Province of Ontario.

The effection of a way conserved the frequency of the Paris, and at this Department, where all necessary information can be obtained.

Persons to dering are notified that tenders will not be considered unless made on the form supplied and signed with their actual signatures.

An accepted cheque on a chartered bank, equal to ten per cent, of the amount of the tender, psyable to the order of the Henounable the Minister et Public Work, must accompany each tender. The cheque will be forfeited if the party decline the contract, or fail work, must accompany each tender. The cheque will be forfeited if the party decline the contract, or fail to complete the work contracted 'or, and will be returned in case of non-acceptance of tender.

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, Sept. 26th, 1920.

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



SEALED TENDERS, addressed to the order signed, and endorsed "Tender for Iron Superstructure, Des Jeachims Interprevincial Bridge," will be received at this office until FRIDAY, 15111 OCTOBER, 1500, inclusively, for the construction of an Iron Superstructure for the Interprevincial Bridge over the Ottawa River at Des Joachims, County of Pontiac, P.Q., according to a plan and a specification to be seen at the office of F. S. Rees, Esq., Dockmaster, Bry Dock, Kingston, Oatt.; at the Public Works Office, Montreal Post Office, Que.; on application to the Postmaster at Hamilton, Oatt.; and at the Department of Public Works, Ottawa.

Tenders will not be considered unless made on the form supplied, and signed with the actual signatures of tenderers.

form supplied, and signed with the actual signatures of tenderers.

An accepted cheque on a chartered hank, payable to the order of the Minister of Public Works, for two thousand dollars (\$5,000.00, must accompany each tender. The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

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

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

Department of Public Works, Uttawa, 23th September, 1900.

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



Scaled tenders, addressed to the undersigned, and endorsed. Tender for Don Hall, St. Castatines, Omia will be received at this office until TUE-SDAA, with OCTOBER, 19 0, for the erection of a Don't Hall at St. Catharines, Onto according to plane and specification to be seen at the Department of Public Works, Ottawa, and at the office of W. G. Thompson Esq., Superintendent of Welland Canal, St. Catharines, Onto Tenders will not be considered unless made on the form supplied, and signed with the actual signatures of the tenderers.

An accepted cheque on a chartered lank payable to the order of the Minister of Public Works, equal to ten per cent. (10 p.c.) of the amount of the tender, must accompany each tender. The cheque will be forfeited it the pasty decline the contract, or fail to complete the work contracted for, and will be returned in case of non acceptance of tender.

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

By order. JOS. R. ROV, Secretary.

Department of Public Works, Ottawa, Sept. 29, 1900.

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



SAULT STE. MARIE CANAL

NOTICE TO CONTRACTORS.

Sealed tenders, addressed to the u dersigned, and endersed "Tender for Lock Gates, will be received at this office until 16 octock on THURDAY, 11th EIGHTEENTH DAY OF OCTOBER, 1900, for the construction and setting in place in working order of once pair of Lock Gates at the Sault Ste. Marie Canal.

Many and enactions of the Canal.

of one pair of Lock Gates at the Saut Ste. State Canal.
Plans and specifications of the work can be seen on and after the 6th day of September, 1907, at the office of the Chief Enginert of Railways and Canals, Ottawa, 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 Sz.00 must accepted bank cheque must be en even over to the Alimiter of Railways and Canals, and will see forfeited if the party tendering declines entering mis contract for the work at the rates and on the terms stated in the offer submitted.

The accepted cheque taus sent in will be retained to the respective parties whose tenders are not accepted.

accepted.
The Department does not bind itself to accept the

By order. L. K. JONES. Secretary.

Department of Railways and Canals, Ottawa, 15th Sept. 19 o

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

Wood Bros., painters and stained Alass workers, Montreal, are reported to have consented to assign.

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

CONTRACTS OPEN.

Paris, Ont.—The Bank of Commerce has not yet commenced to rebuild.

SARNIA, ONT.—The council will next year purchase 1,000 feet of fire hose.

ROCK ISLAND, QUE.—A new bank building will be erected here next spring.

ST. ALBANS, QUE.—A company is being formed to rebuild the Weldon hotel.

Nelson, B. C.—The corporation will grant a site for a proposed woollen factory.

DORCHESTER, N. B.—The International Copper Mines Company will erect a smelter here.

SAULT ST. MARIE, ONT.—A new building will be built on Queen street by G. A. Hunter.

MIDLAND, ONT.—J. D. Hanly will erect an addition to his foundry and machine shop.

DURHAM, ONT.—N. McIntyre wants tenders by 15th inst. for decorating the McIntyre block.

WINGHAM, ONT.—Large subscriptions have been received towards proposed Methodist church.—A building to cost \$12,000 is contemplated.

OAKVILLE, ONT.—The School Board will put steam heating systems in the high and public schools.

St. MARY'S, ONT. - It is probable that an iron bridge will be rebuilt across Trout creek at Wellington street.

DELIII, ONT.—Mrs. Walmsley has purchased a lot on Wellington street on which to build immediately.

BERLIN, ONT.—The council have decided to construct a drain on Victoria street, to cost about \$10,000.

WAUHAUSHENE, ONT.—The Georgian Bay Lumber Company are putting in the foundation for a new saw mill.

BEDIORD, N. S.—The Bedferd Electric Transway Company intend to build their power house at Birch Cove.

VANCOUVER, B. C.—R. M. Fripp, architect, has just taken tenders for erection of house on Haro street.

FORT WILLIAM, ONT. - Graham, Horne & Co., lumbermen, will build two new rugs during the coming winter.

BRANTFORD, ONT.—Surveyors are at work laying out the proposed line of railway between this city and Paris.

KEMPTVILLE, ONT. — Tenders for \$2,500 village debentures are invited by S. H. Guest, village clerk, up to 12th inst.

HUNTINGDON, QUE.—Next spring the council will likely take steps to have the electric light plant operated by water power.

GLACE BAY, C. B.—The Dominion Coal Company will spend about \$1,000,000 next year in increasing their output of coal.

HALIFAN, N. S.—A site has been selected near the foot of Jubilee road for a summer hotel to be built by an American syndicate.

BROOK, ONT.—Tenders have been invited for building the Grey & Bruce Portland Cement Company's factory at this place.

PRINCE ALBERT, N.W.T.—P. J. Flangan has had plans and specifications prepared for a \$10,000 brick hotel to be built here.

COBOURG. ONT.—Plans have been completed for addition to asylum building in this town, to be three stories, 40x100 feet.

CHILLIWACK, B. C .- The statement

has been made that work will shortly be commenced on a line of railway through this district.

WEST ZORRA, ONT.—Tenders close this week for construction of the McLeod drain. Particulars from Geo. Campbell, commissioner.

WEST LYNNE, MAN.—The Northern Elevator Company will erect a brick building here in which to install grain drying apparatus.

SHERBROOKE, QUE.—Plans of proposed nurses' cottage at Protestant Hospital have been submitted by Cox & Amos, architects.

WENTWORTH, N. S.—The Boston & Nova Scotta Wood Pulp Company, composed of Boston capitalists, have decided to build a pulp null here.

BROCKVILLE, ONT.—Thomas Tompkins has purchased additional property on Holme street, to be used in connection with proposed hotel.

COATICOOK, QUE.—The Grand Trunk authorities have been asked to build a new depot here.—New pews are to be put in the Methodist church.

St. Thomas, Ont.—The capital of the St. Thomas Street Railway Co. has been increased to \$250,000. It is proposed to build a line of railway to Port Stanley.

BILLINGS BRIDGE, ONT.—Gloucester Township Council has decided to complete the work of draining the upper end of the township, at cost of about \$2,000.

BEAR RIVER, N.S.—The International Packing Company, of Worcester, Mass., intend erecting buildings at the mouth of the Bear river, to be used as a canning factory.

BRIDGEWATER, N. S.-W. R. Calder, of this place, has gone to Hamilton Inlet, Labrador Coast, in connection with a project to establish saw and pulp mills there.

GALT, ONT. — The corporation will erect a building to cost \$5,000 for Getty & Scott, shoe manufacturers.—A steam heating plant is to be installed in the Queen's Hotel.

GRANBY, QUE.—It is expected that a custom house and post office will be erected on Main steet next spring.—J. Mullin and A. C. Savage will likely build new stores.

GUELPH, ONT.—Tenders are wanted up to 10th inst. for heating the Winter Fair building by steam. Plans at the office of R. W. Green, Ontario Agricultural College.

WATERLOO, ONT. — The Waterloo Manufacturing Company are about to build an addition to their works, two stories, 100x120 feet. A power house will also be built.

FERTH, ONT.—The council have appointed a committee to engage an engineer to prepare plans for a sewerage system. A vote of the ratepayers will be taken January 1st.

HULL, QUE.—The city engineer has been instructed to complete arrangements for installing a civic electric light plant. Tenders will be called for wire, lamps and other requirements.

SYDNEY, C. B.—The Montreal Rolling Mills Company have acquired property here on which to establish a plant.—The building of permanent sidewalks is to be taken up by the council.

WINDSOR, ONT.—New capital is required to enlarge the works of the Milner-Walker Wagon Works and the Maleable Iron Works. It is understood that the necessary additions will shortly be made.

NORTH TORONTO, ONT.—A further report from R. E. Speakman, C.E., on a

water supply from the James property, was received by the council last week. The new estimate for plant and reservoir is \$6,600.—Mayor Davis is in favor of submitting a by-law to the ratepayers to establish a civic electric light plant.

STURGEON FALLS, ONT.—G. F. Sandfield, town clerk, invites bids up to October 20th for purchase of \$20,000 waterworks debentures and \$10,000 school debentures, bearing interest at 5 per cent, payable in 30 years.

VICTORIA, B. C.—Fred Sherbourne is preparing plans for an hotel to be built at Mount Sicker by the Mount Sicker Mining Company.—Plans are being preeared for the new swing bridge at Rock Bay; estimated cost, \$2,500.

CAYUGA, ONT.—H. F. Strickland, E.E., of Toronto, is acting as engineer for the corporation, which is about to install a plant to supply private and street lighting. The plant recently operated here was destroyed by fire.

RAT PORTAGE, ONT.—The town council has appointed a committee to act in conjunction with the Board of Trade to secure manufacturing and other establishments in the town. The scheme includes the erection of a first-class notel.

CHARLOTTETOWN, P. E. I.—James B. Hegan, resident engineer for the Dominion Public Works Department, will receive tenders up to 18th inst. for supply of 2,000 cubic yards of hme-stone, grantle, or other approved imported stone.

WINNIPEG, Man.—The chief of the fire department has brought to the attention of the council the necessity of providing more fire ladders.—C. H. Wheeler, architect, has taken tenders for alterations to the Grand Opera House property.

NELSON, B. C.—A company has been formed here to establish a park in which there will be a half mile race track and an asphalt bicycle track. At the north-west corner of the ground a hotel to cost \$3,500 will be built. The total outlay will be about \$30,000.

THOROLD, ONT.—By-laws were carried here on Monday last providing for the purchase of 1,000 toise of stone for macadam purposes, and granting exemption from taxation to the Rehder Plating & Manufacturing Company and the Artistic Wood Turning Company. The by-law in favor of the Patterson Pulp Company was defeated.

LIVERPOOL, N. S.—The ratepayers of this town, at a public meeting held on the 1st inst., authorized the town council to erect a town hall at a cost not to exceed \$14,000. The council will probably ask architects to compete for the plans and specifications. The town council will issue, Nov. 1st next, \$9,500 of water and electric light debentures.

VANCOUVER, B. C.—Plans are being prepared for a new warehouse for Kelly, Douglas & Co.—It is stated that a favorable report has been submitted on the Stave Lake power project, and that the work is likely to be proceeded with. The local parties interested include John Hendrie, manager British Columbia Mills, Timber & Trading Co., and Geo. C. Hinton, electrical engineer.

KINGSTON, ONT.—The See House is to be renovated for the new Bishop, at a cost of \$3,000.—The equipment of the electrical department of the Kingson School of Mining will be undertaken immediately.—An addition is likely to be made to the Home for Friendless Women in this city.—A. J. Small, of Toronto, has made a proposition to build a \$25,000 opera house here.—A mivement is on foot to form a company to supply the city with electric light and power, developed from waterfalls.

CALGARY, N. W. T.—It has been decided to build a brick venecred rectory for the Church of the Redeemer.—The C.P.R. have engaged Geo. G. Anderson, of Denver, Colorado, to lay out an extensive irrigation scheme for the improvement of their lands in the light rainfall section of the west. The water will be drawn from the Bow river. It is possible that the work of construction will be commenced next season.

ST. CATHARINES, ONT.—Plans of drill hall to be built here are on view at the office of W. G. Thompson, superintendent of Welland canal. Tenders close October 16th.—Ald. Petrie has purchased a site, corner Ontario street and Welland avenue on which he will build two residences.—The Mayor is in communication with a firm of manufacturers of optical supplies and instruments with a view to inducing them to locate here. They will erect a building to cost \$30,000.

LONDON, ONT.—G. Craddock, architect, has taken tenders for alterations and additions to house on Talbot street.

It is announced that the Dominion government has purchased property, corner Waterloo and Dundas streets, on which to erect new drill hail and armory.

John Taylor will build a brick veneer house, corner Stanley street and the Wharncliffe road.—Herbert Matthews, architect, wants tenders by 11th inst. for erection of brick residence on Dufferin avenue.—Geo. Powie will build a one and one-half story brick veneer residence on north side of Simcoe street.

QUEBEC, QUE.—Plans have been completed for the new theatre to be built in this city. It will be erected on St. Louis street, adjoining the St. Louis Hotel. The theatre itself will be constructed entirely of steel, concrete brick and stone; seating capacity 2,000; estimated cost 560,000. Particulars may be obtained from A. A. Charlevoix.—The Fire Committee will recommend to council that an expert engineer be engaged to report on fire protection and the water supply.—It has been decided to build an iron bridge at St. Etienne, near Craig's road, to replace two wooden bridges now in use by the Grand Trunk.

HAMILTON, ONT .- Alex. Thompson has purchased property, corner York and Bay streets, on which he will erect a furniture factory.-The council has given notice of its intention to construct a pipe sewer on Main street, cost \$\$29.probable that the House of Providence will be rebuilt in this city, donations for that purpose having been offered. - Building permit has been granted as follows: J. A. Arms, brick dwelling, corner Ferrie and Catharine streets, for J. M. Phillips, cost \$1,200.—The National Cycle & Automobile Co. have taken tenders for woodwork and interior finishings for new offices.—The St. Nicholas hotel has been secured by Louis Daniels, who will make improvements thereto.—A tank house, 40x80 feet, brick, with steel roof, will be built in connection with the Hoepfner Zinc Works.—The agitation to erect 50 cottages in Pattersonville has again been -W. A. Edwards, architect, has prepared plans for alterations to Dundurn Casile; estimated cost, about \$2,500.

Montreal, Que.—Specifications for 25.000 barrels of cement to be supplied to the Dominion government for the Lachine Canal are on view at 1709 Notre Dame street.—The corporation of Westmount, co-operating with the Medico-Chirurgical Society, have taken the pre-liminary steps towards establishing a contagious diseases hospital.—The town coincil of Westmount have made an offer of \$2,000 per annum for ten years to the Montreal Street Railway Company in consideration of the construction and operation of a line of railway along the mountain.—The directorate of the Winds

sor hotel are considering a proposition to do away with the present Windsor hall and erect four new stories, to contain 100 rooms. It is probable that operations will be commenced early next spring.— Bids are invited by Joseph Marien, waterworks superintendent, up to October 30th, for building and installing one or two electric pamping engines, with motors, at the high level pumping station.—The site is being prepared for the elevators to be built by the Connors Syndicate.—Building permits have been issued as follows: Catholic School Com-missioners, school on Fullum street, cost \$30,000 (Perrault & Lesage, architects); L. Beaudry, 2 two-storey houses, 233-35-37-39 Knox street, cost \$1,500 each; F. Lavigne, three-storey brick house, 757 St. Lavigne, three-storey brick house, 757 St. Catharine street, cost \$2,150 (R. Montbiant, architect); P. Deslaurier, three-storey brick house, Sherbrooke street, cost \$5,800 (R. Montbriant, architect); Royal Electric Co., alterations to two brick buildings, 9-15 Queen street, cost \$2,900; L. A. Beniard, alterations to two storey brick building, 1873 St. Catherine street, cost \$3,600 (A. St. Louis, architect); T. Goulet, three storey brick house, Panet street cost \$5.500 (Chas. A. Reeves. Panet street, cost \$5,500 (Chas. A. Reeves, architect), Dominion Cotton Mills Co., dye house, 550 Notre Dame street, cost \$5,000, also a cotton store, 550 Loire Dame street, cost \$20,000 (T. Pringle & Son, architects).

OTTAWA, ONT .- The Department of Public Works invites tenders up to October 16th for erection of drill hall at St. Catharines. Plans at the above department and at office of W. G. Thompson, superintendent of Welland canal, St. Catharines .-- Tenders for the supply of 25,000 barrels of Portland cement, delivered at the Lachine Canal, Montreal, are invited by the Department of Railways and Canals up to Saturday, 13th inst.-The Department of Railways and Canals invites tenders up to 24th inst. for widening and deepening lower entrance of Sault Ste. Marie canal. Plans at above department and at office of the engineer in charge, Sault. Ste. Marie,
-The Abbitibbi Fish and Game Club held a meeting last week at which the question of building an up-to-date club house on White Fish Lake was discussed. Surveyors are now laying out the route of the proposed railway from Ottawa to Brockville, to be built by the Ottawa, Brockville and St. Lawrence Railway Company. The length will be 57 miles, and it is expected that work will be companded and the company. menced next spring. - The Board of Health will likely install hot water heating apparatus in the contagious diseases hospital and make alterations to the interior.—The Public School Board have appointed a committee to select a site for a new school in the west end .- Building permits have been granted as below: Michael Parent, frame dwelling, 20 Balsan street, cost \$500; Fred Allen, frame building, 20 Archibald street, costing \$\$00; Pierre Raymond, frame building, lot 2 Preston street, cost \$500; Ottawa Dairy Co., brick building, Somerset street, 53x86 feet, costing \$16,000.

TORONTO, ONT. — Robt. McCallum, engineer for the Onlitio government, has been commissioned to report on a scheme to prevent the flooding of land in the townships of Portland and Camden, caused by the damming of the Napanee river. A movement is on foot to reorganize the Athenaum Club and make necessary repairs to the building.—It is understood that the subscriptions required to guarantee the interest on the bonds for building the proposed palace hotel on King street now amount to about \$40,000 annually. It is said that as soon as certain papers have been signed further progress towards the completion of arrangements for building the hotel

will be made. It is understood that the lessee is to be a prominent New York The City Engineer has reported to council that the cost of a complete sewerage system for the city would be about \$2,000,000.-Mr. Rutland has made application to the city authorities for permission to build a slaughter house on Christie street.—The city will again advertise for tenders for the construction of a smallpox hospital.—Notice has been given by the city of its intention to con-struct the following works: Cedar block pavement on Huron street, St. Patrick to College, cost \$5,235; brick pavement on Coolmine road, Dundas to St. Anne's, cost \$4,755; macadam roadway on Farley avenue, Portland to Spadina, cost \$4,805, on Augusta avenue, St. Patrick to College, cost \$5,310, and on Bloor street, Lansdowne to Dundas, cost \$17,300; asphalt pavement on Farley avenue, Bathurst to pavement on Farley avenue, Tecumseh, cost \$6,525, on Elmsley Place, St. Joseph street to north end, cost \$2,825, and on each side of street railway tracks on Yonge street, from Davenport to Belmont, cost \$12,530; cement concrete sidewalks on west side Jarvis street, King to Richmond, cost \$2,325, west side John street, Queen to Grange, cost \$1,358, north side Oxford street, Spadina to Augusta, cost \$1,225, and on both sides St. Vincent street, Grovenor to St. Joseph, cost \$4,093.—Messrs. Burke & Horwood, architects, are preparing plans for alterations to residence of Rev. Elmore Harris, Walmer road. — The Separate School Board has decided to add two rooms to the Sacred Heart School. -The city engineer has again recom-mended that additional pumping plant be purchased for the waterworks. He has also recommended the construction of the following works: Asphalt pavement on Leopold street, Jameson to Dowling avenues, cost \$5,000; scoria pavement on track allowance, Parliament street. Queen to Winchester, cost \$18,000; brick pave ment on Piper street, York to east end of Piper street, cost \$6,\$20; cement concrete sidewalks on Front street, south side, from Church to West Market street; Gerrard street, south side from Sherbourne to Seaton streets, cost \$632; Dunbar road, from Elm avenue to South Drive, cost \$1,066!; Carlton street, north side, from Parliament to Sackville streets, cost \$888.—The following building permits have been granted. Thomas Moore, brick and stone dwellings, corner of Dupont street and Bedford road, cost \$6,500; Mr. Broomer, brick dwelling, 16 Delaware avenue, cost \$2,262; Mac-pherson trustees, residence on Crescent road, near Yonge street, cost \$4,000, and Roxborough street east, cost \$2,000; W. G. Richardson, brief and are Dovercourt road, near College street, cost \$3,000; Frank Wilson, brick chimney, 125 feet high, at 73 Adelaide street east, cost \$2,200; N. McConnell, two story and attic brick dwelling, 141 Bedford road, cost \$3,800; R. Robson & Co., two story, brick and stone dwelling on Harrison street, near Dover-court road, cost \$1,500.—The Committee on Works have decided to submit a bylaw to the tatepayers in January next to provide \$100,000 for a 15,000,000 gallon pumping engine for the main pumping station, \$40,000 for a 5,000,000 gillon engine, and \$13,480 for water mains. - The city engineer will be requested to recommend that the track allowance on Dundas street be paved with brick, and that a macadam pavement be constructed on Brock avenue, from Dundas to 1,000 feet south of Bloor.

FIRES.

Saw mill of the Orillia Export Lumber Company, at Orillia, Ont., loss \$1,500. The company will rebuild.—Buildings at Athens, Ont., owned by Wm. Parish, and

semi-detached brick residence owned by the Karley estate, totally destroyed,—Intercoronal round house at Sussex, N.B.

CONTRACTS AWARDED.

WALERFORD, ONT.—New bridge for corporation: Dr. A. C. Dancombe, successful tenderer.

NELSON, B. C.—C.P R. bridge over the Columbia river: John Gunn, of Stonewall, successful tenderer.

SYDNEY, C.B.— The contract for erection of post office here has been let to James Reed, of North Sydney.

BORCAYGEON, ONT. — Presbyterian church: Peter Grant, contractor, at \$2,700, exclusive of windows, furniture and heating.

EDMONTON, N.W.T.—The tender of G.W. Wood & Sen, Toronto, for purchase of \$25,000 of debentures, has been accepted by the town.

QUEBEC, QUE.—The North Shore Railway Co. have let the contract for a steel bridge over the Yamaska river to the Dominion Bridge Co., of Montreal.

HAMILTON, ONT.—D. Newlands has secured contract for Simcoe street sewer, and J.J. Armstrong that for the Stinson street sewer; price, 34 cents per foot.

PETERBORO. ONT.—The tender of the Hamilton Bridge Works Co. has been accepted by the council for steel superstructure of Reid street bridge; price \$\$15.

FREDERICTON. N. B.— Dennis Shea has been awarded the contract for installing a hot water heating apparatus, in the military buildings here; price about 56 000.

HALIFAX, N.S.—Reid & Archibauld have secured the contract to build the Little Falls Bridge, Sheet Harbor, the Goose Harbor bridge in Guyshoro county, and the Raquette bridge in Digby county.

VICTORIA, B.C.—Rifle range at Clover Point: Robt. Dinsdale, contractor.—Doctor's residence at Jubilee Hospital: F. M. Rattenbury, architect; McKillican & McCalmott, contractors; price about 52,400.

KINGSTON, ONT.—Addition to building for John McKay: Arthur Ellis, architect: masonry, Watts & Morley; ?carpentering, Geo. Hunter; plumbing and gas fixtures, galvanized roof and metal ceiling work, Elliot Bros., painting and glazing, Robertson Bros.

BROCKVILLE, ONT. — James Smart Mfg. Co. have been awarded contracts for warming and ventilating the following buildings, using their "Felsey" warm air generators: Block of stores in Rapid City, Man., using three large Kelsevs; St. Luke's church. Waterloo, Que.; Methodist church, Hanover, Ont.

PORT HOPE, ONT.—The tenders for water tower, pumps and boiler were opened by the council on 4th inst., and contracts awarded as follows: Steel water tower, capacity 200,000 impl. gals., Hunter Bridge Co., Kincardine, \$5,000; hoiler, 100 h.p., Hunter Bridge Co., \$800, pumping engine, capacity 1,000 irrpl. gals. per minute, The Northey Manfg. Co., Toronto \$3,267; masonry, J. H. Magill. Port Hope, \$1,100. R. E. Speakman, C. E., Toronto, consulting engineer.

TORONTO, ONT.—The Separate School Board last week accepted tenders as follows: Eight roomed school on Bond street—Masonry and brickwork, Wm. Keane, \$8,860; carpentering, M J. & D. Madden, \$5,459; plastering, Petric & Co. \$665; galvanized iron and slating, J. P. O'Hearne, \$755; paining and glazing, J. J. Brennan, \$475.—Addition to St. Anne's school, Bolton avenue—Masonry and brickwork, William Keane, \$1,179; plastering, Duck-

worth Bros., \$194; carpenter work, John Hanrahan, \$1,025; galvanized iron work and slating, J. P. O'Hearne, \$165; painting and glazing, J.J. Brennan, \$85.-Contracts were last week awarded by the Boar I of Control as follows: Cedar block pavements - Forest street, Queen street to Walnut avenue, \$4475.to, W. F. Grant & Co.; Margueretta street, Dundas to Bloor, 5.930, Dominion Paving Co. Macadam road—Hickson avenue, St. Clarens avenue to 294 feet east, \$625, W. F. Grant & Co. Cobble pavement—Farquhar's lane, Cobble pavement — ranquina Front street to Esplanade, \$748, city Concrete sidewalks street, north side, Huron street to Spadina avenue, 62c, city engineer; St. George street, west side, Lowther to Bernard. 72c; Bathurst street, east side, 72c; Admiral road, both sides, Lowther to Bernard, 61c; Prince Arthur avenue, both sides, Bedford road to 167 feet east of St. George street, 600, to Harvard Paving Co.; Cowan avenue west side, King to 150 ft. south of Queen, 65c; Jameson ave., east side, King to Queen, 67c, to Constructing & Paving Co.; Bathurst street, east side, King to Adelade, \$1.44; D'Arcy street, north side, McCaul to Spadina, \$1.34; Sherbourne street, east side, Howard to bridge, 77c, to W. F. Grant & Co.

CHEAP DIPPING PAINT.

In painting many things there is a distinct advantage in dipping them into the paint itself rather than applying the paint by means of a brush in the ordinary way. Barbed wire is a good example, as it is very troublesome to paint with brushes, and the painting machines are very little better. An exchange gives the following recipe for a cheap dipping paint suitable for the purpose: Take fifteen gallons of coal tar, 12 oz. of resin, 11/2 pounds of lamp black, 15 pounds of finely sifted fresh slaked lime, and 3 pounds of tallow. First melt the resin and tallow, mix and add the coal tar, then break up the lamp black in gasoline to thick paste and stir in it a pint of boiled linseed oil, mix this with the lime, then stir the lime and coal tar mixture together and use the mixture while hot. If preferred to use a cold dip, thin the coal tar with turpentine or benzine until it is of the right consistency. In either case sufficient japan must be employed to make the paint dry hard.

THE CEMENT MARKET.

The arrivals of cement at Montreal last week were 1,660 barrels English and no Belgian or German, as against 1.000 English and 3,450 Belgian and German for the previous week, making a total to date of 42,587 English, and 112,333 Belgian and German. There has been no change in the situation of the market, although the weather has been favorable, yet the demand is slow: in consequence, business is exceedingly quiet for the season, and the prices show no change.

The receipts of fire bricks for the past week were 127,600, as against 22,000 for

the previous one, making a total to date of 1,803,599. The demand is up to the average, and prices range from \$17 to \$24 per 1,000, as to brand, ex wharf.

Architects and engineers will be interested in knowing that you are submitting a tender as a result of the advertisement for tenders placed in the COMTRACT RECORD. Mention the fact.

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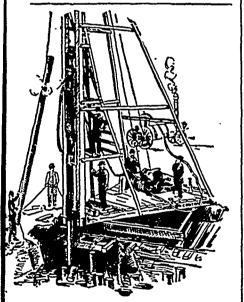
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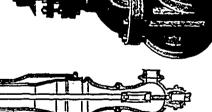
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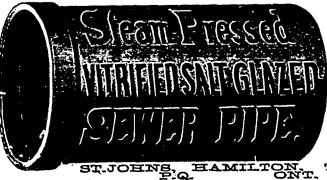
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THE USE AND WASTE OF WATER.*
(Continued).

Private meter records.—To check the records of the Water Department as to the consumption of water by meters, a copy of the records of he monthly readings of 600 metres on buildings of various classes in the city for the past three years was procured from Mr. Joseph H. Bellis, who has been engaged on monthly inspection of metered premises by the owners for the purpose of inspecting and checking useless waste of water, and a careful analysis of the records furnished by him shows the following result:

	Number of	 Number of gallons
Year.	meters.	per day per meter.
ı\$97	5So	1,585
1898		1,674
1S99	574	1,491

The quantity of water which passed through single meters of the 574 recorded in 1899 ranged from 64,885 gallons a day in a large manufacturing plant to 17 gallons a day in a clothing store; but the average of all was 1,491 gallons a day, as against the average derived from the Water Registrar's report of revenue from 35,755 meters, which gave a consumption of 1,417 gallons per meter.

Water used for domestic and general purposes.-It may be assumed that none of the metred water is wasted; at all events, it is accounted for, and it produces a revenue to the city. Attempts have been made in New York to determine the proportion of the premises on which water is used in which a constant waste occurs. The difference between a liberal use of water for legitimate purposes and 1 parsimonious use is very slight, on the whole. It is the constant loss of water from deliberate wastefulness or unknown defects in plumbing which causes the great difference which is found to exist in the consumption per house in cities where the majority of buildings are metred and those in which a few or none are metred. When it became evident in New York that the demand for water was increasing at such a rate that the supply would soon be exhausted, an effort to determine the proportion of buildings in which waste occurred and to take steps to check such waste was begun by Mr. Allan Campbell, who was then Commissioner of Public Works. In December, 1876, an inspection was made of all the houses in the city, and such inspections were continued with more or less thoroughness for ten years by Mr. Campbell and his successor, Mr. Hubert O. Thompson.

Extracts from a report by Mr. James J. R. Croes, M. Am. Sec. C. E., to the Engineering Committee of the Merchants' Association of New York.

The result of the inspections made for nine years was as follows:

	Premises	Premises on which
Year.	inspected.	leaks were found.
1877.		
1878	55,386	9,572
1879	46,307	8,845
1850		2,935
1881		2,122
1SS2		3,531
1883		1,770
1884		5,944
1885	47,590	5,231
Total	352,373	53 668

Leaks were found in only 15 per cent. of the premises inspected.

To determine the amount of water which ran to waste in buildings where leaks were found, inspections of the house drains leading to the sewers were made, from 1882 to 1884, with the following results:

Year.	Drains inspected.	Leaks discovered.
	9,268	1,411
1883	9,893	1,623
1884	9,275	939
Tot	al 2S,436	3,973

In this case the leaks discovered amounted to 14 per cent. of the total number of drains inspected.

The quantity of water flowing out of the house drains about 2 o'clock in the morning was estimated in each case where it was found, and the aggregate—from the 3,973 cases in which water was

found running—was at the rate of 13,232, 160 gallons per day, which made the average for each of the 28,436 houses examined a waste of 465 gallons per day. This was not a close gauging, but an estimate from inspection of the water running in the drain pipes.

In Boston, during the last four years, an inspection of buildings has been carried

on with the following results:
Year. Houses inspected. Leaks discovered,
1806. 15.288 2.625

	A LUGGES INSPECTION.	TYCHUS MISCORER
1896	15,288	2,635
	47,778	7,652
1898	54,007	11,051
1899	52,425	13,440
Tot	al160.40S	24.728

Proportion of premises on which leaks were discovered, 20.5 per cent. In 1899 it was 25 per cent.

it was 25 per cent.

In this case no effort seems to have been made to determine the amount of leakage from the several premises.

It would appear from these observations that in 75 to 85 per cent. of the premises on which water is used there is practically no leakage or excessive waste of water when a systematic inspection of buildings is carried on. Continued inspection reduces the proportion of the premises on which leaks exist, but does not check waste entirely, which cannot be accomplished without putting a meter on the service pipe and requiring the consumer to pay for all the water that passes through it.

(To be Continued.)

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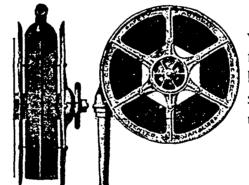
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20 in. per lineal foot.

CREDIT VALLE 50 00 70 CREDIT VALLEY STONE.
F.O.B. Quarties. Rubble, per car or 15 tons... Brown Coursing, up to 10 in , per sup, yard..... Brown Dimension, per cub. ft Grey Coursing, per sup, yard Grey Dimension, per cub. ft. z 50 to z 75 60 1 00 LONGFORD STONE.
Rubble, per 30 M. car
Ashlar, per cub. yd......
Dimeasion, per cub. it SLATE. Toronto. Montreal. Rocting (# squars). 17 50 8 50 8 50 7 50 purple...
ding green 7∞ Terra Cotta Tile per sq.... Organistal Black Slate Roofing 20 00 8 8c CEMENT, LIME, etc. 2 75 2 65

CORRECTED UP TO OCTOBER ATM