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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL

PUBLIC WORKS • TENDERS • ADVANCE INFORMATION • AND MUNICIPAL PROGRESS

EVERY THURSDAY

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. 8.

NOVEMBER 25, 1897

No. 43.

THE CANADIAN CONTRACT RECORD,

PUBLISHED EVERY THURSDAY

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

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TENDERS FOR ANNUAL SUPPLIES

Tenders will be received by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, up to noon on

Tuesday, December 7th, 1897,

for the following supplies for the year ending December 31st, 1898:

Lumber.	Hydrants.
Pit Gravel, screened and unscreened.	General Supplies.
Sand.	Wire Nails.
Sewer Pipe.	Cedar Paving Posts.
Brass and Bronze Castings.	Horse Feed, etc.
Brass Work for Services.	Cast Iron Pipe.
Coal and Wood.	Lubricating Oils, etc.
Lead Pipe.	Lumber for W. W. Purposes.
Stop Valves.	Rubber Valves, etc.
Special Castings.	Iron Valve and Stop Cock Boxes.
Iron and Steel.	Stone Curb.
Paving Brick.	

Contents of envelopes containing tenders must be plainly marked on outside.

Specifications may be seen and forms of tender obtained, at the office of the City Engineer, Toronto, on and after the 17th November, 1897.

A marked cheque, payable to the order of the City Treasurer, Toronto, for 5 per cent. of the amount tendered for up to \$1,000, and 2½ per cent. of the amount over that sum, must accompany each and every tender, otherwise it will be ruled out as informal.

The lowest or a y tender not necessarily accepted.

JOHN SHAW (Mayor),
Chairman Board of Control.

Toronto, Nov. 9th, 1897.

To Contractors

Separate tenders addressed to the undersigned will be received through registered post up to noon on

Tuesday, the 30th of November, 1897

for the supply of:

- 1st. 8 Steel Jail Cages of 4 Cells each and other Steel and Iron Work.
- 2nd. A Hot-Water Heating Plant and all Plumbers', Gas Fitters' and Electric Fitters' Works and Material.
- 3rd. All other Trades, Work and Material required in altering, remodelling and making improvements to the present County Jail Buildings.
- 4th. All Trades, Work and Material required in the erection of a separate Residence for Jailer.

Plans and specifications may be seen on and after Wednesday, the 17th Day of November at the office of Geo. A. Allan, Architect, Dunham Building, Brockville. A deposit in cash or marked cheque, (payable to the order of the Treasurer of the United Counties of Leeds and Grenville) equal to 5 per cent. on the value of the work tendered for, must accompany each and every tender as a guarantee of good faith. Should any party or parties whose tender may be accepted fail to execute the necessary contract and give satisfactory security for the due fulfillment thereof, his or their deposit will be forfeited to the said counties. Deposits of unsuccessful tenderers will be returned. The lowest or any tender not necessarily accepted.

ROBERT J. JELLY,
Chairman Building Committee,
P. O. Box 519, Brockville, Ont.



TO CARPENTERS AND OTHERS

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

TUESDAY, DEC. 7th, 1897,

For the Erection of a Caretaker's Cottage in the Island Park.

Plans and specifications may be seen and all further information obtained at the office of Mr. E. J. Lennox, architect, cor King and Yonge streets.

Tenders must be accompanied by a cash deposit or marked cheque (payable to the order of the City Treasurer) for the sum of \$50.

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

JOHN SHAW (Mayor),
Chairman Board of Control.

City Hall, Toronto, November 23rd, 1897.

The Star Iron Co., of Montreal, are seeking incorporation, with a capital of \$60,000, to manufacture furnaces and other heating apparatus. The applicants are: Cyrille Guimond, Julian Leduc, J. B. Roy, C. E. Lolonde and Mrs. Delia Rochette.

CONTRACTS OPEN.

DUNDALK, ONT.—The town is to be lighted by acetylene gas.

HAWKESBURY, ONT.—The village may purchase a steam fire engine.

COOKSHIRE, QUE.—The Cookshire Mill Co. will build a box factory here.

ROBSON, B. C.—It is understood that a large smelter will be erected here.

CORNWALL, ONT.—It is probable that the town will purchase a road roller.

BERLIN, ONT.—The mayor is said to favor the purchase of a steam road roller.

FORT COULONGE, QUE.—A proposal has been made to erect a large summer hotel here.

ST. JOHN, N. B.—The city will likely float a loan of \$125,000 for harbor improvements.

BONFIELD, ONT.—Rev. Father Martel will build a new R. C. church and presbytery here.

PORT ARTHUR, ONT.—James Hammond is having plans prepared for a 100-stamp mill.

SEAFORTH, ONT.—It is the intention of John Dodds to build a brick residence next spring.

FORDWICH, ONT.—Arrangements are being made for the erection of a new cheese factory.

LACHUTE, QUE.—The town will probably take steps at once to construct a waterworks system.

MADOC, ONT.—The Conley Organ & Piano Co. will build a factory here if given a bonus of \$2,000.

PARRY SCUND, ONT.—A meeting has been called to consider the question of building a creamery.

NORTHWOOD, ONT.—The Disciple Congregation have decided to build a church, to cost \$1,000.

COLCHESTER SOUTH, ONT.—It is proposed to build a new school house in school section No. 14.

BELLEVILLE, ONT.—The town council have passed a by-law to issue debentures for the sum of \$13,000.

FREDERICTON JUNCTION, N. B.—The foundation is being prepared for the proposed Episcopal church.

ESSEX, ONT.—The Essex Fusiliers will ask the council for a grant of \$3,000 towards the erection of an armory.

HAMPTON, N. B.—The authorities of the Methodist church are considering the question of erecting a parsonage.

ELORA, ONT.—Tenders are invited until December 13th for the purchase of \$5,300 of debentures. Alex. Petric, clerk.

LONDON, ONT.—Moore & Henry, architects, have forwarded the plans of the new McClary warehouse to Vancouver, B. C.

COBourg, ONT.—The town will apply to the Legislature at its next session for

power to construct waterworks and electric light plants, and to issue debentures for \$10,000 for local improvements.

GODERICH, ONT.—The Grand Trunk Railway Co. state that steps will be taken at once to erect a large modern elevator here.

CHATHAM, ONT.—On the 8th of December the ratepayers will vote on a by-law to purchase the present waterworks system.

INGERSOLL, ONT.—The ratepayers will decide whether the town shall build a new town hall or make improvements to the present building.

LEAMINGTON, ONT.—The I.O.O.F. purpose building a three storey structure, to include opera house and lodge room, at a cost of \$7,000.

GREENWOOD, B. C.—The Greenwood City Waterworks Co. will construct a system of waterworks, under the superintendence of C. A. E. Shaw, C. E.

FORT STEELE, B. C.—A branch of the Crow's Nest Pass railway will be built to this place, thence up the St. Mary's river to the North Star and Sullivan mines.

ALEXANDRIA BAY, ONT.—George E. Wilson, architect, of Ogdensburg, has prepared plans for extensive alterations to the Marsden House, to cost \$10,000.

GORE BAY, ONT.—The erection of the Indian Point bridge is to be proceeded with at once, the Indian Department having decided to grant the sum of \$5,000.

MOUNT FOREST, ONT.—Tenders are invited until the 30th inst., by George J. Reid, town treasurer, for the purchase of \$4,914.69 of local improvement debentures.

MONCTON, N.B.—The question of ventilation of the new school building is under consideration by the School Board. The building committee have recommended the fan system.

ST. HENRI, QUE.—The council have purchased a site for the new fire station, and an architect has been instructed to prepare plans for a building to cost not more than \$7,000.

CHICOUTIMI, QUE.—It is proposed to build a large hotel here, to cost \$50,000, to be six stories, and supplied with elevator, steam heating, electric light and other improvements.

DORCHESTER, N. B.—A petition is being circulated throughout the county requesting the Dominion Government to build a pier at Cole's Point, at an estimated cost of \$10,000.

WINDSOR, ONT.—Capitalists from Chicago and Pittsburg have purchased the white limestone quarry in Anderdon, with the intention of erecting large soda ash works in this town.

RAT PORTAGE, ONT.—The waterworks by-law was carried by the ratepayers.—We are informed that the building of the new Presbyterian church will not be commenced until next spring.

TILSONBURG, ONT.—Canadian bridge companies have been asked to tender on a steel bridge to be constructed over Big Otter creek for the Tilsonburg, Port Burwell & Pacific Railway Co.

MAISONNEUVE, QUE.—J. Alcide Chausse, architect, of Montreal, has been instructed by the city council to prepare plans for a city hall and a fire and police station. Tenders will be called for in a few weeks.

ALMONTE, ONT.—A by-law to issue debentures for \$2,500 has been given its third reading in council.—At a recent council meeting, a committee was appointed to secure information regarding granolithic pavements.

DUNDAS, ONT.—The Hamilton & Dundas Railway Co. intend making improvements to their station here. A large brick addition will also be erected. William &

Walter Stewart, architects, of Hamilton, are now preparing the plans.

BEETON, ONT.—The county council have decided to build the proposed House of Refuge in this town. The Ontario government will be asked to allow the issue of debentures for the sum of \$20,000 for the erection of the building.

GATINEAU POINT, ONT.—At a recent meeting of the Irish Catholics, it was decided to ask permission from His Grace Archbishop Duhamel to build a new church at West Templeton. The sum of \$4,100 has already been subscribed.

AVLMER, QUE.—A scheme is on foot to build a gymnasium, 40x60 feet, in the rear of Trinity church.—E. J. Rainboth, C. E., of Ottawa, has prepared plans for a system of sewerage for the town. The plans call for an expenditure of \$20,000.

SHERBROOKE, QUE.—It is stated that the Quebec Central Railway Co. will make alterations and additions to their shops here, at a cost of about \$75,000.—The by-law to purchase the waterworks system will shortly be submitted to a vote of the ratepayers.

BOBAYGEON, ONT.—A public meeting was held here last week to discuss electric railway matters. A proposition was considered to build an electric railway between Fenelon Falls and Peterboro', and a committee was appointed to obtain information regarding cost of construction, etc.

LINDSAY, ONT.—At a meeting of the Archidiaconal Conference held here last week, the question of establishing a summer school for clergymen at Lakefield was considered, and a committee, consisting of Messrs. Stevenson, Warren, Webb and others, appointed to make arrangements.

GALT, ONT.—At a meeting of the council on Tuesday last, it was decided to submit to the ratepayers at the time of the municipal elections by-laws for the enlargement of the market square, the erection of a modern fire-hall, a fire alarm system, and a sewerage system for a portion of the town.

GEORGEVILLE, QUE.—The Owl's Head Hotel Company, which has just been incorporated in the state of New York, will construct a large hotel on Lake Memphragnog, about seven miles from here. Work will be commenced in the spring. The company is composed of three New York capitalists, C. D. Watkins, W. Sophmer and J. W. Fleming.

WOODSTOCK, ONT.—We are informed that no company has been formed for the construction of an electric railway between Woodstock and Ingersoll. The franchise for the town of Woodstock is held by the Woodstock Electric Light, Power & Street Railway Co., who have endeavored to interest parties in the building of the road, but so far without success.

BROCKVILLE, ONT.—There is said to be an agitation in favor of a municipal lighting plant.—A rumour is current that steps will be taken in the spring to build an electric railway.—At a meeting held last week, it was resolved to endeavor to form a company to build a boat to ply between Brockville and Union Park. Messrs Davis & Sons, Kingston, submitted plans for a boat 100 feet in length and estimated to cost \$7,500.

SAULT STE. MARIE, ONT.—It is said that a company has been formed to erect a large refinery near here. They will ask the government for a grant of \$225,000, and will agree to invest \$1,500,000 in the undertaking. Mr. Scarf, president of the New York Board of Trade; Mr. McGaw, bridge builder, of Washington; Mr. E. V. Douglas, of New York; Mr. F. H. Clergue, president of the Sault Ste. Marie Pulp and Paper Co.; Mr. Geo. Anderson,

of Toronto, and Mr. Alex. Barnett, of Renfrew, are said to be behind the scheme.

BRANTFORD, ONT.—A committee, consisting of Messrs. Whittaker, Stanley and Yeigh, and Dr. Watson, have been appointed to take steps looking to the erection of the Y.M.C.A. swimming bath.—A deputation of prominent citizens have placed before the Dominion government the claims for a subsidy for the Toronto, Hamilton & Buffalo Railway.—The Massey-Harris Co. have decided to expend \$15,000 upon a special fire protection system.—A proposal has been made by a syndicate, with a capital of \$50,000, to erect a new opera on Colborne street opposite the Kerby House.

WINNIPEG, MAN.—The Winnipeg Street Railway Co. are applying to the Privy Council for permission to cross the C.P.R. tracks at Main street.—Yesterday the ratepayers voted on a by-law to raise \$700,000 for the construction of a system of waterworks by artesian wells. We have not learned of the result of the vote.—The Fire, Water and Light Committee have recommended that a by-law be submitted for the purchase of a site and the erection thereon of a fire-hall, at an estimated cost of \$30,000.—It has been decided to invite tenders for electric street lighting for a period of three or five years, from April 25th, 1898.

HAMILTON, ONT.—William & Walter Stewart, architects, invite tenders up to noon of Tuesday, 30th inst., for remodelling of and additions to Proctor's block, James street south.—Stewart McPhie has been granted a building permit for a brick store and dwelling, corner Earl and Barton streets, to cost \$2,300.—Hand & Teale will build an addition to their factory, King street west.—A gentleman has made a proposition to the city council to build an electric railway from Hamilton to Caledonia.—It is probable that the Heinz Pickle Co., of Pittsburg, will establish a factory in this city, a free site having been offered. The company propose to erect new buildings.—It is understood that the Hamilton Radial Railway Company will extend their line to Burlington in the spring.

QUEBEC, QUE.—The city will ask permission from the Legislature to issue debentures for the sum of \$250,000, to be applied to pay the cost of work and of land to be purchased to open, extend, widen and pave streets, public squares, etc., and to execute improvements and public works of a permanent character.—Tanguay & Vallee, architects, are preparing plans for the interior of the cathedral at Alexandria, Ont.—Same architects will shortly invite tenders for the finishing of the parish church of St. Peter, Riviere du Sud.—Berlinguet & Lemay, architects, are preparing plans for a Normal school at Charlottetown, P.E.I., for the government. The probable cost will be \$50,000, and tenders will be invited early next week.—Mr. Berlinguet has been instructed to prepare plans for a new theatre building to be built between the Y.M.C.A. and St. John's Gate. The cost is estimated at \$60,000.

OTTAWA, ONT.—J. R. McNeill has purchased the Latimer property on the north-west corner of Wellington and Bank streets.—The Allied Trades and Labor Association are considering the erection of a new building.—Mr. H. J. Beemer, president of the Pontiac & Pacific Junction Railway Co., has ordered twelve miles of rails, and it is expected that the work of construction will be proceeded with during the winter. It is hoped to complete the line by June 15th, 1898. A connecting line between the railway at Waltham, the present terminus, and Pembroke will probably be built. This will necessitate the construction of bridges across the Ottawa river at Allumette Island.—Notwithstanding the recent rumors, it is be-

lieved that a large central depot will be erected jointly by the Canada Atlantic and Canadian Pacific Railway companies.—The city council have sanctioned the borrowing of \$70,000 for the improvements to be made by the Canada Central Fair Association.—Mr. McLeod Stewart, who has recently returned from England, states that he has succeeded in completing arrangements for the construction of the Montreal, Ottawa and Georgian Bay canal. The work of construction is to commence next spring, and all sub-contracts and most of the machinery and plant will be given to Canadian contractors.—Mr. R. H. Cowley, public school inspector, recommends that a new building be erected in school section No. 12, Marlboro, and that new desks be furnished for the school in section No. 10.—The city clerk has received the official notice that the plans of Ottawa's proposed sewage system have been adopted by the Provincial Board of Health.—Local capitalists have organized a company, which is now seeking incorporation, to construct a large inter-provincial bridge between Ottawa and Hull. The Hull Electric Company are said to be the promoters. They have had plans prepared, and it is understood that tenders have been taken for a portion of the work. The structure will be a high-level cantilever bridge. It will be fifty feet wide, and will have double tracks for railway purposes, two driveways, and two walks for pedestrians. The trestles will be thirty feet high, and the piers will be 150 feet apart. Messrs. Perkins & Fraser are solicitors for the company.

MONTREAL, QUE.—Two plans have been submitted to the Market Committee for the extension of Bonsecours market. The one advocated by Mr. Alphonse de Martigny includes the expropriation of the square of land bounded by Jacques Cartier square, Notre Dame, Claude and St. Paul streets, and the erection of a large building thereon. Practically, it would be four connected buildings round the sides of the square, with a market court in the centre. The building on Notre Dame street it is proposed to use for a fire station, police station, and other municipal purposes. The other scheme has been prepared by Mr. James Walker. It is understood that the Market Committee will recommend a plan including the combining of the two schemes. The cost of carrying out will be upwards of half a million dollars.—A sub-committee has reported to the Finance Committee that \$4,500 will be required for plumbing at the city hall.—Mr. Perrault, of the firm of Perrault & Gendron, architects, has submitted plans to the Finance Committee for alterations to the city hall building. The improvement consists in the erection of something in the nature of a steel structure in the interior of the building, which would cost about \$50,000. Mr. Perrault has been advised to lay his scheme before the City Hall Committee.—The harbor commissioners have received a proposition from the Lachine Rapids Hydraulic & Land Co. to supply shipping interests with electric power for the purpose of loading and unloading vessels.—The remodelling of the Y.M.C.A. building is now in progress. The whole of the fourth floor will be changed into sleeping apartments.—W. E. Doran, architect, is calling for tenders for the plumbing, gasfitting and heating of John Quinlan's house on Rozel street.—The City Surveyor has laid before the Road Committee the requirements for the year 1898, for which he asks the sum of one million dollars. The following pavement works are recommended: Wooden block pavement on Craig street, from Victoria square to Lacroix street; wooden blocks on St. Catharine street, cost \$18,000; repairs to Trinidad asphalt on Notre Dame and St. James streets, cost \$2,100. The

balance due on Notre Dame street paving is \$27,000. To avoid damages from floods, he recommends an overflow on Alexander street, to intercept the water from the intercepting sewer on Alexander street, and also storm overflow at the east end of St. Catharine street, to relieve the Coteau Barron main sewer, at a cost of \$24,330. This work is pending the construction of the proposed intercepting sewer on Sherbrooke street, from Beaudry to Guy, which would cost \$149,319. There should be constructed a relieving sewer on St. James street, from McGill street to the western city limits, at a cost of \$103,871. It will, the surveyor says, be necessary to build a main sewer to drain the northeast portion of the city, and also the new St. Denis ward. The cost would be \$332,000. An extension of the sewer which empties into the Elgin basin to Victoria pier is recommended, also the extension of the outlet of the Mill street sewer to the outlet of the guard pier below the Victoria bridge, cost \$88,540. There are three thousand two hundred gullies wanted throughout the city, at a cost of \$144,000. Across the Grand Trunk Railway tracks, a bridge which is absolutely necessary to carry the traffic in that portion of the city will cost \$116,250. It will be absolutely necessary to spend, say \$50,000, over and above the annual appropriations, for plank sidewalks.

TORONTO, ONT.—The city council has given notice of its intention to construct a concrete sidewalk on the west side of Church street, from Adelaide to Queen streets, at a cost of \$1,538. Elias Rogers has taken out a permit for a boiler house at the foot of Frederick st., to cost \$1,250. He intends to put in a dynamo to supply electric lighting and to operate the crane used in unloading vessels.—The Albany Club have decided to erect a new building, and a committee has been appointed to report on several building sites. Another meeting will be held in the course

of a few days to receive this report.—A strong deputation, consisting of Messrs. J. W. Langmuir, Robert Jaffray, G. W. Yarker and others, waited upon the Ontario government last week regarding the lease of the old Upper Canada College grounds as a site for a large hotel. It is understood that a syndicate have in view the erection of a modern hotel building, to cost in the vicinity of \$1,000,000.—Efforts are being made to interest rural municipalities in the proposed market improvement scheme, which is estimated to cost \$100,000. It has been suggested that the city and county should encourage the construction of radial railways.—The City Engineer, who was instructed to prepare a report as to the cost of installing a telephone system with 5,000 subscribers, has intimated that he had not sufficient data to hand. He suggests that the services of an expert be obtained. He roughly estimates the cost to be from \$500,000 to \$750,000.—The Standard Woollen Mills, Front street, purpose putting in a steam heater for drying purposes.—In connection with the improvements now being made at Island Park, it is proposed to join the present park and the landing with a substantial rustic bridge, supported by stone piers and a steel arch.—The City Engineer hopes to have his report on the cost of a civic lighting plant completed by the end of this week. The report will embrace two features—the cost of a street lighting plant, and the cost of a combination plant for the street lighting and the lighting of the municipal buildings and parks.—The city will invite tenders, to be received by December 9th, for the supply of electrical energy to be used for light, heat and power. Parties tendering are requested to submit a marked tender for the sum of \$30,000, to expend \$100,000 within one year, and to be prepared to deliver the energy in sufficient quantity to supply the demand. The probable use of electrical power is given

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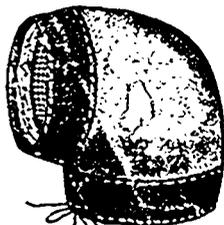
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as 10,800 horse power.—Geo. H. Stinson, real estate broker, has sold lots No. 47 and 49 on St. George street to Mr. Caleb Evans. It is understood Mr. Evans intends building on the property.—In his fortnightly report to the Board of Works presented on Monday last, the City Engineer recommended the construction of the following works: Brick sidewalk on Wellesley crescent, between Sherbourne street and Thomas Long's property, cost \$520; narrowing of Portland street and increasing the boulevards, between King and Front streets, cost \$660; brick pavement on Bathurst street, from King street to a point 450 feet south of the bridge, cost \$15,360; reconstruction of sewer on Dowling ave., between King and Leopold streets, cost \$900. He reports against the purchase of gravel pits. With regard to providing better fire protection for Parkdale, Mr. Keating reports that for the whole district the following works would be necessary. King street, new 12 inch main, from Dufferin street to Grand; new 6-inch mains on Springhurst ave., Tyndall ave., Spencer ave., Jameson ave., Maple Grove ave., O'Hara ave., and Lansdowne ave. The cost of the work is estimated at \$9,500. Mr. Keating promises to have the estimates of his department ready for submission to the committee by February 1st next.—Ritchie, Ludwig & Ballantyne, solicitors, give notice that application will be made at the next session of the Legislature to incorporate the Toronto and York Radial Railway Company, with power to purchase the franchise and property of the Metropolitan Street Railway, Toronto Belt Line Railway, Toronto and Mimico Railway, and other roads within a radius of one hundred miles of Toronto, and to construct steam or electric roads.—The Folger-Hammond Mines Company has been organized in this city, Sir Richard Cartwright being president and W. H. Carvey secretary and treasurer. The company will erect a 50-stamp mill near the Saw Bill mine, and tenders will be invited for the construction of the mill, and for the furnishing of electric power from Clearwater Falls.

FIRES.

A large part of the business portion of the town of Tiverton, Ont., was swept by fire on Thursday of last week. The losers are John McKellar, John Walker & Co., James Gord, Geo. Manners, Robert Ballantyne, P. S. McLarin and A. J. Camp-

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bell.—The Times Printing office at Uxbridge, Ont., was gutted by fire recently. The building was owned by S. C. Smith.—The Riverview Hotel at Thamesville, Ont., was consumed by fire last week. The property was owned by the estate of the late J. A. Langford.—The steam saw and grist mill at Wetaskiwin, N.W.T., owned by Leopold Benz, was burned recently.—The saw mill of Pierre Fortin on Richillieu street, St. Cunegonde, Que., was totally destroyed by fire last week.—The sash and door factory of J. N. Ducherme, situated between Vinet street and Napoleon road, St. Cunegonde, Que., was gutted by fire recently, at a loss of \$25,000. The plant was owned by H. Fauteux.—The grocery store of Weaver Bros., at Elora, Ont., was burned a few days ago.—Word comes from Stratford, Ont., that the city hall has been burned. Loss, \$28,000.—The Central Methodist church at Moncton, N.B., has been damaged by fire to the extent of \$6,000; covered by insurance.

CONTRACTS AWARDED.

KINGSVILLE, ONT.—G. A. Stimson & Co., of Toronto, have purchased \$13,000 of debentures issued by the village.

QUEBEC, QUE.—Carner, Laine & Co. have received the contract for a large portion of the trestle work for the incline at Palais Hill.

GUELPH, ONT.—H. O'Hara & Co., of Toronto, have purchased \$7,365 of local improvement debentures, bearing 5 per cent. interest.

HAMILTON, ONT.—G. E. Gillespie, of this city, has purchased drainage debentures of the township of Raleigh to the amount of \$23,248.

OTTAWA, ONT.—McKinley & Northwood have been awarded the contract for

heating, plumbing and copper work of the new Sun Life building.

AMHERSTBURG, ONT.—Flook & Babcock have commenced work on the sewerage system.

PETERBORO', ONT.—The Central Bridge & Engineering Co. recently shipped a 100 foot girder bridge to LaChute, Que., for the crossing of the G.T. R. and street railway at that place.

TORONTO, ONT.—Messrs. Bertram & Co. have been awarded the contract by the Richillieu & Ontario Navigation Co. for the construction of two large steamers to ply between Montreal and Toronto.

MONTREAL, QUE.—Mr. Arthur J. Cooke, architect, 43 St. Sacramento street, has let the following contracts for four residences on Metcalfe ave., Westmount, for J. C. McCormick: Masonry and brickwork, I. Lewis; carpenter and joiner's work, M. Desautels; steelwork, Dominion Bridge Co.; plumbing and heating, F. Horton; plastering, H. Contant; other trades not let.—Building permits have been granted as follows: One building, three tenements, wood, lined in brick, to be built on Wolfe street for J. A. Laboute; masonry contractor, Cote & Bros. One house on Chateauguay street for Jos. Page.—L. R. Montbriand, architect, has let the contract for a three-story building on Visitation street, for J. G. Gratton, to Alfred Delorine.—C. St. Jean, architect, has awarded the contract for reparations of a convent on Lagauchetiere street for the Rev'd. Sisters of Mercy, including plumbing, ventilation, electric light and gas fittings, to Blouin, Desforges & Latourelle.—Wright & Son, architects, have accepted the following tenders for a building, stone front, on Lagauchetiere street for W. B. Wilkinson. Masonry, F. Delaurier; carpentry, R. Neville, jr. Cost \$2,000.

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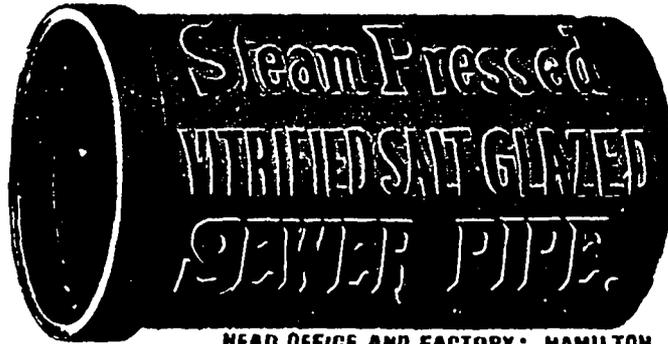
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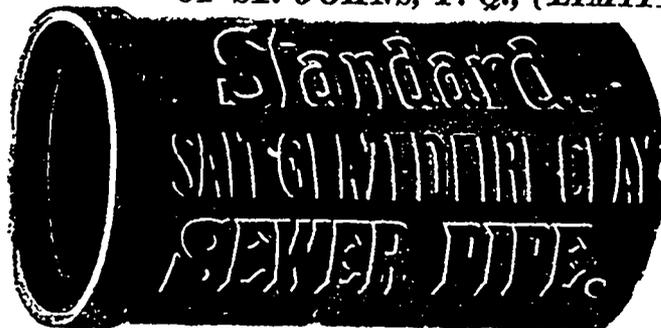


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MUNICIPAL DEPARTMENT

THE CORNWALL WATERWORKS.*

The Cornwall waterworks system was constructed in 1886 and 1887 by Messrs. Moffitt, Hodgkins & Clark, the well-known firm who put in several systems about that time.

The franchise from the town reserved the privilege of purchasing at the end of ten years. This option is now being taken, and in June the arbitrators' award will be given, when the ratepayers will have an opportunity of declaring whether they wish to acquire the plant at the sum fixed by the arbitrators. The source of supply, as all other sources for towns and cities on the banks of the St. Lawrence, is from the river, at a point about five miles below the Long Sault Rapids and about three-quarters of a mile above the town. It is thus above all danger of pollution, and where the current flows swiftly over a pebbled bed, pure and clear.

The pumping station is on the north bank of the river, between the river and the canal. It contains the pumping plant and residence for the engineer. Although not a beautiful structure, it is finely located, and answers its purpose admirably.

The engine room floor is 22 feet above the intake pipes, which only run out in the river a short distance. The pumping plant consists of two Worthington compound duplex engines, condenser, feed water pump, etc. Each engine is guaranteed to pump 1,000,000 gallons of water in 24 hours with 90 pounds steam on high pressure cylinder, against 140 pounds steam fire pressure.

The comparative elevations of the main points in the system are as follows:—

Elevation of St. Lawrence river at pumping station (low water), 36; extreme high water, 60; water surface of canal, 65; bottom of engine pit, 52; base of water tower, 95.25; main parts of tower, 40 to 70.

From the pumping station two 12-inch force mains convey the water across the canal, where they join in one 12-inch main, which continues northerly up Hazel avenue to the main on Montreal road. At this point one 12-inch main leads to the distribution system of the town, and another 12-inch pipe to the water tower. The tower is about 2,000 feet from the pumping station in a northerly direction. It is 120 feet high and 20 feet in diameter, and holds 280,000 gallons. It is constructed of wrought iron, and weighs about 80 tons, with plates ranging from eleven-sixteenths of an inch to three-sixteenths of an inch in thickness. The tower is not of beautiful design, simply a number of plates riveted together.

The water pressure, gauged at engines,

shows 72 pounds where the tower is filled, and the gauges in the main parts of the town 50 to 60 pounds. The difference between the elevation of the water pressure gauge and the top of the tower is 154 feet.

The system comprises

5,300 feet	approximately	of	12	inch	pipe;
5,900	"	"	8	"	"
18,850	"	"	6	"	"
8,500	"	"	4	"	"

and 63 fire hydrants.

The town of Cornwall pays \$2,500 a year for hydrant service, water for flushing sewers, etc.

A number of the hydrants are fed from 4 inch mains, the company having followed the system, too often followed, of putting in mains of less diameter than 6 inches. The grade of the pipes was not considered important in the original construction, or laying of mains, neither have blow-offs been placed at the low points of the pipe system. Valves are placed at most of the branches, so that almost any section of the town may be cut off for repairs.

The stand pipe when first constructed leaked considerably, but with recaulking and gradual rusting of joints it was made perfectly water tight and to-day is in good condition.

A few years ago rumors were current that the water in the tower contained decaying fish, birds, etc., but upon examination it was found free from impurities.

At each filling of the tower the engineer causes it to overflow and thus gets rid of all floating material.

With a few extensions and improvements Cornwall will have one of the best systems of any town in Ontario.

FIRE CONGRESS AT PARIS.

Much interest is being taken in the approaching Fire Congress to be held at Paris, the arrangements for which, according to an English contemporary, are advancing rapidly. Mr. Fred Hoare, the British Commissioner, reports that the authorities have allotted the Esplanade des Invalides for the Congress and the exhibition which will accompany it. The site is divided into two portions by a broad roadway. On one side will be erected two immense buildings of fire-proof wood, one devoted to the congress hall, committee rooms and other adjuncts. The other will be occupied by the exhibits. These will include non-inflammable wood and paper, metallic fire-resisting building materials, fire extincteurs, alarms,

pumps, sprinklers, theatre plans for securing ready exit, appliances for ventilation and heating theatres and public buildings, the equipment of fire brigades, etc. English exhibitors should communicate with the British Commissioner at 249 1-2 High Holborn. The Nord Railway has conceded half rates for the transport of exhibits, and all customs duties have been remitted, so that every official encouragement is being given to manufacturers and inventors to bring their devices before the Congress. At the rear is an open space of 11,000 square yards, where the qualities of various fire-resisting materials will be publicly tested, and exhibitions of fire brigade drill and implements will take place. The exhibition will be open from 15th October to 15th November, 1898, and is to have a popular character, concerts, bands and other attractions being provided. It is probable that some Canadians will desire to send exhibits to the Congress. Those entertaining such an intention should at once communicate with the British Commissioner at the above address.

LEGAL DECISIONS AFFECTING MUNICIPALITIES.

SOMBRA VS. CHATHAM.—The Supreme Court has given its decision in the Sombra and Chatham suit originating in a dispute about the cost of the Whitebread drain. This case has, since it opened about eleven years ago, almost become ancient history. Chatham township attempted to compel Sombra to pay a proportion of the expense of this drain. The case was tried and Sombra won. It was carried to the Court of Appeal, where the decision of the lower court was reversed. From this ruling of the Court of Appeal Sombra carried the case to the Supreme Court. Owing to some technicality, the Supreme Court decision was incomprehensible. The case was still left open to be threshed out in the courts. As a consequence, it has gone through the courts a second time, being carried from the lower court to the Court of Appeal by Chatham township, and thence to the Supreme Court by Sombra. The decision now is that Chatham township cannot compel Sombra to contribute to the completion of a drain which was not properly constructed in the first place.

Mr. F. A. Tetu has recently been appointed City Engineer of Hull, Que.

Mr. Archibald J. McPherson, town engineer of Galt, Ont., was recently married to Miss McDonald.

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* Abstract of a paper by Mr. T. H. Wiggins, C.E., O.L.S., read at the last annual meeting of the Association of Ontario Land Surveyors.

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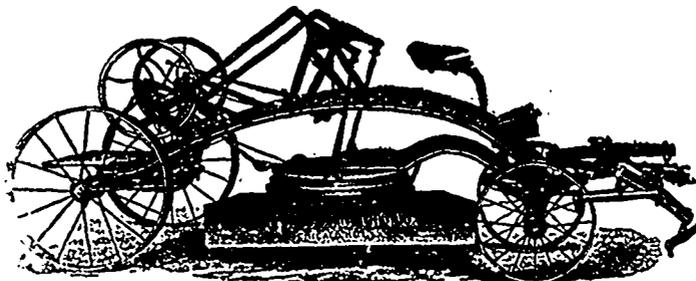
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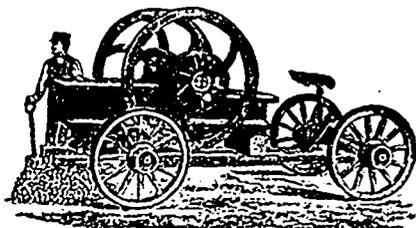
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Machinery. Etc., Etc.



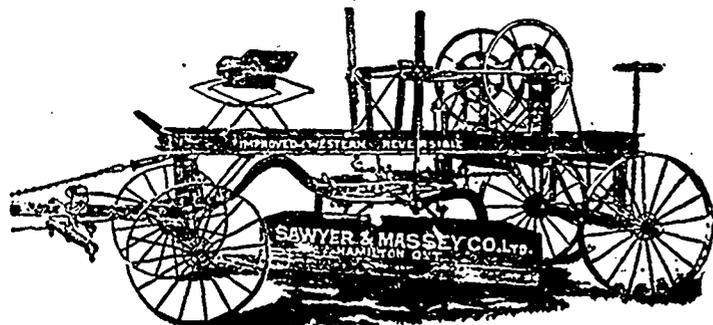
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BRICKS

Table listing prices for various types of bricks (Common Walling, Good Facing, Sewer, Pressed Brick, etc.) with columns for Toronto and Montreal prices.

SAND.

Table listing sand prices (Per Load of 1 1/2 Cubic Yards).

STONE.

Table listing prices for various types of stone (Common Rubble, Large flat Rubble, Foundation Blocks, etc.) with columns for Toronto and Montreal prices.

OHIO FREESTONE, FROM THE GRAPTON STONE CO.'S QUARRIES.

Table listing prices for Ohio freestone products (No. 1 Buff Promiscuous, No. 1 Blue Dimension, etc.) with columns for Toronto and Montreal prices.

CREDIT VALLEY STONE.

Table listing prices for Credit Valley stone products (Rubble, Brown Coursing, etc.) with columns for Toronto and Montreal prices.

LONGFORD STONE.

Table listing prices for Longford stone products (Rubble, Ashlar, etc.) with columns for Toronto and Montreal prices.

INDEX TO ADVERTISEMENTS

In the "Canadian Architect and Builder."

Large index table listing various services and companies (Architects, Cement, Interior Decoration, Roofing Materials, etc.) with their respective page numbers.

Toronto. Montreal.

Table listing prices for various materials (Dimensional, Kent Free stone, River John, etc.) with columns for Toronto and Montreal prices.

SLATE.

Toronto. Montreal.

Table listing prices for slate products (Roofing, Purple, Unslating green, etc.) with columns for Toronto and Montreal prices.

PAINTS. (In oil, per lb)

Table listing prices for various types of paint (White lead, Zinc, Red lead, Venetian, etc.) with columns for Toronto and Montreal prices.

CEMENT, LIME, etc.

Table listing prices for cement and lime products (Portland Cement, German, London, etc.) with columns for Toronto and Montreal prices.

Table listing prices for hydraulic cements (Thorold, Queenston, Napanee, etc.) with columns for Toronto and Montreal prices.

HARDWARE.

Table listing hardware prices (Cut nails, Steel, etc.) with columns for Toronto and Montreal prices.

IRON PIPE:

Table listing prices for iron pipe products (Iron pipe, 1/2 inch, etc.) with columns for Toronto and Montreal prices.

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Table listing prices for lead pipe products (Lead pipe, Waste pipe, etc.) with columns for Toronto and Montreal prices.

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