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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL

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. 10.

NOVEMBER 15, 1899

No. 42.

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For the Erection of about 32 Miles of
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FOR SALE

DEBENTURES OF THE VILLAGE OF EXETER, ONTARIO

Tenders will be received by the undersigned up to 7
o'clock p.m. of the 23rd DAY OF NOVEMBER,
1899, for the purchase of

LOCAL IMPROVEMENT DEBENTURES

of the Municipality of the Village of Exeter, amounting
to \$1,800.00 (One Thousand Eight Hundred and Nine
Dollars and Ten Cents), payable in ten equal annual
instalments.

First Debenture payable on the 1st day December,
A.D., 1900.

GEO. H. BISSETT,
Municipal Clerk.

Dated at Exeter this 3rd day of November, 1899.

DATE OF PUBLICATION.

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

CONTRACTS OPEN.

GLFNDALÉ, ONT. — A new Methodist church is shortly to be erected here.

ROCKFIELD, ONT. — A new residence will be built next spring by Fred Austin.

DUFFERIN BRIDGE, ONT. — A new Methodist church will be erected here.

KEARNEY, ONT. — John Sullivan, jr., intends building a residence next spring.

MORDEN, MAN. — A leading citizen intends erecting a large roller mill at this place.

WALLACEBURG, ONT. — Gordon & Son will likely rebuild the Selkirk mill in the spring.

HARTLAND, N. B. — The proposed bridge at this place is now said to be assured.

ORANGEDALE, C. B. — A brick manufacturing establishment is projected at this place.

MARKDALE, ONT. — The sum of \$2,000 has been subscribed towards a pork-curing establishment.

BUTTERNUT GROVE, ONT. — Howard Andrews purposes building a dwelling next spring.

RAPID CITY, MAN. — The residents are organizing a company to install a telephone system.

SANDFORD, ONT. — Wm. Smith has purchased property and intends erecting a brick residence.

BRIDGETOWN, N. S. — The ratepayers vote to-day on a by-law to raise \$11,000 for a sewerage system.

JERSEVILLE, ONT. — The trustees of the Methodist church contemplate building a Sunday school room.

SUSSEX, N. B. — The question of an improved waterworks system will be considered at an early date.

COMAPLIX, B. C. — The Kootenay Lumber Co. will increase the capacity of their saw mill and add a drying room.

LINDSAY, ONT. — The council has decided to engage an expert to value the waterworks system of the town.

TRAIL, B. C. — Thos. McKelvey has secured an eight mile timber birth opposite this place and will establish a saw mill.

BROCKVILLE, ONT. — The city engineer has recommended that granolithic sidewalks be laid on a number of streets next spring.

PRESCOTT, ONT. — At last council meeting it was decided to raise \$15,000 by debentures for installing an electric light plant.

SEBRINGVILLE, ONT. — Doctors Paul and Eckhart purpose building a telephone line from this place to Avonton and Carlingford.

SANDWICH, ONT. — The congregation of Malden avenue Methodist church in Sandwich West have decided to erect a new edifice.

RUTHVEN, ONT. — Several cottages will

be built on the lake shore next spring. The erection of a number of residences is also spoken of.

HARRINGTON, ONT. — A by-law to guarantee bonds of \$20,000 for the Harrington Pork Packing Co. was carried by a large majority last week.

TORONTO JUNCTION, ONT. — A. B. Rice and his associates have asked the town council for a franchise to supply electric light and power.

COATICOOK, QUE. — F. Laroache & Co. have purchased the Hunting saw mill property at Huntingville, and will put in some pulp wood barkers.

IROQUOIS, ONT. — Bids are invited by Allen McInnis, village clerk, up to 6 p.m. of 20th inst., for the purchase of 20 debentures of \$367.91 each.

DUPUIS, ONT. — Over \$5,000 has been subscribed towards the erection of a Catholic church here. The building will be brick with stone facings.

FORT COULONGE, QUE. — The agitation is about to be renewed for the erection of an interprovincial bridge to span the Ottawa river at Lapasse.

THAMESVILLE, ONT. — The council has decided to submit to a vote of the ratepayers the question of purchasing an electric light plant for the town.

PART COURBONE ONT. Messrs. Carscallen, Myers and Boyd, of Hamilton, are expected here this week to select a site for their proposed blast furnace.

KINGSTON, ONT. — Power & Sons, architects, are taking tenders this week for improvements and additions to residence on King street for the K. N. Fenwick estate.

THREE RIVERS, QUE. — Mr. Vallee, government engineer, was in town last week in connection with the site for proposed bridge at the mouth of the St. Maurice river.

FREDERICTON, N. B. — The council has decided to construct a sewerage system, and a committee has been appointed to obtain an estimate of the cost and report at January meeting.

NAPANEE, ONT. — J. E. Herring, town clerk, desires tenders up to Thursday, 30th inst., for the purchase of \$20,000 thirty year, four per cent. debentures, payable half yearly.

QUEBEC, QUE. — Two engineers representing American capitalists have lately inspected the water powers in Lake St. John district, where the erection of a large pulp mill is under consideration.

PARIS, ONT. — The Board of Education will ask the city council to submit a by-law to the ratepayers at the coming municipal elections to raise \$30,000 for the erection of a new central school.

WEYMOUTH, N. S. The Sissiboo Pulp & Paper Co. will at once proceed to construct a large dam and another pulp mill at Sissiboo Falls. The project also includes the construction of

an electric railway from the mills to the tidal waters of the Bay of Fundy at Weymouth Bridge. Particulars may be obtained from Chas. Burrill, of this town.

ST. CATHARINES, ONT.—Messrs. St. John & Black purpose putting in a smelting furnace.

STOUFFVILLE, ONT.—As we go to press a meeting is being held to award the contracts for the pork-packing establishment to be built in this town.

UPPER KENNETCOOK, N.S.—Bids for the purchase of \$11,000 of debentures will be received by Nelson Weir, municipal clerk of East Hants, up to Friday, December 15th.

SARNIA, ONT.—At a meeting of the Sarnia Street Railway Co. held a few days ago, it was decided to take steps immediately to convert the road into an electric system. J. Symington is president of the company.

COLLINGWOOD, ONT.—On the 30th inst. the ratepayers will vote on a by-law to grant a \$50,000 bonus to the Steel Shipyard Co., of which Capt. Wm. McDougall and J. J. Long are the chief promoters.

ORILLIA, ONT.—The vestry of St. James' church recently invited tenders in the CONTRACT RECORD for a steam heating plant. We understand that it has been decided to defer the installation of the plant until next spring.

VICTORIA, B.C.—W. S. Gore, Deputy Commissioner of Lands and Works, desires tenders by Saturday, 18th inst., for construction of bridge across the Courtenay river at Courtenay, Comox district, B.C. Tenders are to be accompanied by a deposit of \$500.

VICTORIA HARBOR, ONT.—The foundations have been commenced for several houses to be built by John Waldie—It is rumored that the Victoria Harbor Lumber Co. will erect a new saw mill this winter, to comprise two band saws

WINDSOR, ONT.—Several Detroit capitalists have made a proposition to the council to establish a large match factory here. If a free site is granted, tenders will be invited immediately for the erection of a three storey brick building, to cost, with plant, not less than \$55,000.

BERLIN, ONT.—Lippert & Pommer have purchased a site on which to erect a furniture factory.—Mr. Clark, of the Clark-McNair railway syndicate, is still working on the project for an electric railway to connect Port Dover, Brantford, Ayr, Galt and Berlin.

NELSON, B.C.—It is reported that the C.P.R. intend to commence work at once on the extension of the line from Nelson to Balfour. The company will, it is expected, remodel the yard here and replace the present frame buildings by substantial structures.

SHAWENEGAN QUE.—The Shawenegan Water & Power Co. are about to let contracts for generators.—The Shawenegan Carbide Co. has completed its plans for the installation of a plant requiring 10,000 horse power, and is now engaged in laying out the site.

ALMONTE, ONT.—Mr. Wylie has given notice in council of his intention to introduce a by-law to raise money by debentures for street purposes.—Tenders close at 7 o'clock to-day (Wednesday) for erection of curling and skating rink. Particulars from J. T. Kirkland.

RIDGETOWN, ONT.—Thos. Craig and H. D. Smith have purchased property on Main street east and intend erecting a two-store brick block, 114 feet frontage, to be divided into four stores. Plans for same are being prepared by W. G. Malcolmson, architect, of Detroit.

PARRY SOUND, ONT.—Peter Weller intends building several residences next spring.—It is said that the Parry Sound

Lumber Co. purpose erecting a wood-working factory.—The Conger Lumber Co., W. H. Pratt, president, will install an electric light plant in their saw mill if suitable arrangements for light cannot be made with the Parry Sound Electric Light Co.

GRAND FORKS, B. C.—C. J. McCuaig, of Montreal, states that unless the Great Northern Railway Co. gives assurance of building a road north from Republic to Grand Forks, he and his associates will undertake to build the road next year.—S. H. C. Miner, of the Granby smelter, has decided to build a Congregational church.

STRATFORD, ONT.—Alex. Smith, of Church street, purposes erecting four detached cottages next spring.—The Market and Police Committee has been instructed to report on the advisability of placing a stand pipe in the new city hall for fire protection purposes.—A by-law for the reconstruction of the macadam road on Brunswick street has received its third reading in council.

DIGBY, N.S.—It is understood that the mill of the Digby Manufacturing Co., burned recently, will be rebuilt at an early date.—It is said that American capitalists will build an hotel here next spring.—Wm. B. Stewart, municipal clerk, asks tenders up to November 30th for the erection of an alms house and insane asylum at Marshalltown, to be completed by June 15th, 1900. Plans at Mr. Stewart's office.

LONDON, ONT.—The congregation of Talbot street Baptist church have decided upon improvements, including new organ, new carpet, re-seating the gallery and new metal front, cost \$5,000.—The American hotel has been torn down, and on the site there will be erected a five-storey block, containing three large warehouses.—The contract for electric wiring of the Normal School building has not yet been awarded.

MIDLAND, ONT.—Geo. Chew has completed the foundation for a new dwelling.—T. I. Trueman has purchased several building lots upon which he will likely build next year.—It is reported that James Playfair & Co. have purchased certain water frontage east of their present mill property and that a new saw mill will be erected thereon immediately.—G. Copeland & Sons purpose erecting a large storehouse.

NIAGARA FALLS, ONT.—T. G. Nicholls, architect, is preparing plans for a brick veneer residence to be erected on Clifton avenue by James McCartney.—The Edward Lloyd Company, Limited, of London, Eng., are said to have decided to erect large paper and pulp mills in Canada. They have secured options on four sites, one being adjacent to this town. They require a water power sufficient to develop 50,000 horse power. Mr. J. C. Morgan, of Niagara Falls, N.Y., is acting for the company.

YARMOUTH, N. S.—A Yarmouth firm will, it is reported, shortly commence the construction of a twin-screw excursion steamer, to be commanded by Capt. C. F. Lewis.—The town authorities are considering the advisability of putting in a steam plant for the purpose of furnishing power for pumping of water and for lighting the streets. The services of an expert will be engaged shortly to give advice.—The Kinney-Haley Manufacturing Co. are about to install in their works an electric light plant.

PENBROKE, ONT.—The council has decided to submit a by law to the ratepayers to raise \$30,000 for the purpose of installing a municipal electric light plant.—It is the intention of J. W. Munro to erect a new building, corner Pembroke and Victoria streets, for the Quebec Bank.—The Public Works Committee of the council has recommended that tenders be

invited for building a Howe truss wooden bridge to replace the Mary street bridge, in accordance with plans prepared by J. L. Morris, C.E.

SYDNEY, C. B.—A director of the Dominion Iron & Steel Co. states that 1,000 houses for workmen will be under construction next spring.—W. G. Yorston, C. E., is in charge of surveys for the water system of the Dominion Iron & Steel Co. He is now surveying for five miles of water pipe.—D. J. Kennedy has made application to council for a franchise for a street railway.—The Nova Scotia Steel Co. has amalgamated with the General Mining Association, and will probably establish an iron and steel plant at North Sydney.

BRANTFORD, ONT.—Brantford township council will let the contract on the 16th inst. for construction of dyke on the north-easterly bank of the Grand river, near Eagle Place.—Mr. Wilson, of Toronto, is preparing plans for the new pork packing factory to be built in this city.—The city engineer has been instructed to take levels for the purpose of improving the drainage of the eastern portion of the city.—The Grand Trunk Railway Co. will construct an additional span to their bridge, the work to be done next spring.

HULL, QUE.—The Finance Committee of the city council recently opened tenders for \$8,000 debentures. For the sewer debentures, 20 years at four per cent., only 95 was offered, and for seven year five per cent. local improvement debentures the best offer was par. It has been decided to accept none of the tenders—Local capitalists are forming a company to build a large boot and shoe factory in this city. A deputation from the city council will ask the Dominion government for financial assistance towards the reconstruction of the Wright bridge. According to plans prepared by the government engineer, the work will cost \$25,000.—The Waterworks Committee of the council has decided to purchase a steam boiler.

VANCOUVER, B. C.—It is reported that land is being purchased on the Capitano river, above the waterworks dam, for the erection of buildings in connection with the manufacture of pulp, also that the timber standing on the Capitano Park Co.'s property has been sold to the owners of the pulp mills.—Plans have been completed for the new block to be erected on Hastings street by McLellan, McFeely & Co.—The revised plans of the Bissett block, to be built at the corner of Hastings and Seymour streets, have been submitted to the council for approval.—The Canadian Pacific Railway Co. have applied for a provincial charter, to build a railway from New Westminster to this city.—Parr & Fee, architects, have taken tenders on a frame residence for Mr. Letson.

WINNIPEG, MAN.—Tenders close at 3.30 p.m. to-day for the supply of 4,695 feet of sewer pipe to the city. Tenders also close at same time for sewer construction on Langside street.—C. E. Millican, C.E., of the Public Works Department, has gone to the Franklin district, to arrange for drainage work there. The government will also construct a ditch at Springfield.—A number of Winnipeg gentlemen contem. . . . erecting a block of flats.—Plans are being prepared in Toronto for a new building for the Salvation Army to replace the present barracks; estimated cost, \$15,000.—No tenders were submitted for heating the new waterworks building, and consequently notices have been issued again inviting bids.—A motion has been introduced in council to erect three fire-halls in the outlying parts of the city.—It is understood that the Lac du Bonnet railway from Molson to the brick fields will be re-surveyed to run into Fort Alexander. The survey will be made this year.—H. G. Russell, architect, is calling for tenders for im-

improvements to a brick warehouse, corner McDermot and Albert streets. Same architect has prepared plans for a residence for R. Houston, of Starbuck, Man.

HAMILTON, ONT.—Tyrell & Ford, engineers, 42 James street north, invite tenders up to 6 p. m. Thursday, 16th inst., for laying half a mile of water main, sewer and tar macadam pavement, also one mile of cement concrete sidewalk.—The projectors of the new summer hotel at the Beach state that \$50,000 of stock has been subscribed, and that work will shortly be commenced.—The governors of the city hospital are in favor of erecting three new wings, at a cost of \$75,000.—The Sewers Committee will ask the Finance Committee for a special appropriation of \$8,000 to build a trunk sewer on Birch avenue. To prevent the flooding of premises on Barton street, it has been recommended that the pipe on Ferguson avenue be raised, at a cost of \$1,163. Engineer Wingate states that what is required is a trunk sewer on Catharine street from Barton street north to the bay, the estimated cost being \$19,400.—The Cataract Power syndicate have submitted to the city council their proposal to build an electric railway to Guelph, Galt, Preston and Berlin. The road will be double track, and there will be two bridges near this city, over the Grand Trunk tracks and the old canal, that over the latter being 750 feet long. There will also be expensive bridging near Guelph and Galt.

MONTREAL, QUE.—It is said that the Lake of the Woods Milling Co. have purchased property in this city on which to build new offices and warehouse.—The School Commissioners of St. Edouard parish, Boulevard St. Denis, contemplate borrowing \$25,000 for the purpose of erecting a college, such authority having been granted by the provincial government.—In connection with the harbor improvements, it is expected that next year the construction of the new pier and of the shore wharf from the entrance of the canal to the custom house will be undertaken and carried to completion.—It is not expected that the superstructure of the proposed extension to the Windsor street station will be commenced until next spring.—The Colonization Society has decided to continue the railway line from Labelle to St. Ignace du Nominique, for which purpose a company will be formed. Hon. J. D. Rolland is interested.—W. B. Chapman, of this city, is one of the promoters of the Demarara Electric Co., organized to build an electric railway in the city of Georgetown, Demarara.—A new building for the Maternity hospital will be erected shortly with the \$10,000 donated by Lord Strathcona.

OTTAWA, ONT.—E. F. E. Roy, secretary Department of Public Works, invites tenders up to December 12th for the erection of two buildings, including post-office and examining warehouse, at New Westminster, B.C. Plans at above department and on application to J. R. Roy, resident engineer, New Westminster.—The promoters of the Bank street bridge intend to make another effort at the coming session of parliament to obtain permission to proceed with the work.—It is probable that the government will adopt a system of wireless telegraphy between the Labrador coast and Belle Isle.—The Canadian Pacific Railway Company are about to build their proposed short line between the Union depot at the Chaudiere and the roundhouse at Hurdman's bridge, which will effect a saving in distance between the two points of about ten miles. The work will include the filling in of part of Patterson's creek and the construction of a new railway bridge across the canal.—The Canada Atlantic Railway Company are about to commence the erection of a large addition to their workshops, to be situated on the north side of the present

building.—The council has given notice of its intention to open Archibald street, cost \$3,600, and to construct a concrete sidewalk on Cumberland street, cost \$2,158.—An addition, to cost several thousand dollars, and including a new spire and belfry, will be built next spring to St. Jean Baptiste church, Victoria avenue. The Dominican Fathers will also erect adjoining a large building as a house of studies and seminary for students.—In the reconstruction of the Dominion Carbide Co.'s plant, the second and third floors will be removed and the three storeys made into one. The present roof will be removed and replaced by one of iron.—The following building permits were granted last week: Louis Laverigne, frame dwelling, Clarence street, cost \$800; A. E. Shaver, two frame dwellings, Second ave., \$300 each, corporation of University of Ottawa, dwelling, Nicholas street, cost \$750; F. W. Bearman, two brick veneered dwellings, Maclaren street, cost \$2,000 each; Thomas Robertson, frame dwelling, Sweetland ave., cost \$900; John O'Meara, addition and foundation to 31 Sweetland avenue, cost \$500.

TORONTO, ONT.—So far as can be learned, the Canada Cyle Motor Co. have not yet decided whether to establish their factory in this city, in Hamilton, or in Winnipeg. The buildings to be erected will be quite extensive.—J. W. Moyes, manager of the Metropolitan Railway Co., states that it is the intention of the company, if permitted to connect with the C. P.P., to make further extensions northward, and to award the contracts before the close of the year. At the annual meeting of the University College Womens' Residence Association held last week, some consideration was given to plans prepared by the University architect of a building which they hope to erect in the near future. Miss L. M. Hamilton was elected president of the association.—A company has obtained from the Ontario government a concession of 2,000 acres of Crown land along the Madawaska river, said to be rich in corundum, with the object of developing the property. The company is bound to spend \$100,000 in three years.—The Spanish River Pulp & Paper Co., with head office in this city, has been incorporated; capital \$1,500,000. The company have acquired a water power on the Spanish river, and will erect paper and pulp mills. The directors include Jas. Playfair, Midland; W. J. Sheppard, Waubashene; Angus McLeod, Bracebridge; and T. H. Sheppard, Orillia.—C. C. W. Lally returned to the city last week from a tour of inspection of the Muskoka lakes district for the purpose of selecting suitable sites for a circuit of sum-

mer hotels to be built by a syndicate. It is said to be the intention to erect five hotels, for which plans are believed to be in course of preparation by a Toronto architect.—The council will likely submit a by-law to the ratepayers to raise the sum of \$50,000 for the construction of a 34 foot subway at the Lansdowne avenue railway crossing.—Building permits have been granted as follows: W. F. Mountain, two story and attic brick residence, 186 Jamieson avenue, cost \$3,000; Albert Horton, two story and attic brick residence, west side Scarth road, cost \$10,000; W. A. Hutson, pair two story and attic brick residences, 90-92 Glen road, cost \$6,000; C. Powell, three two-story and attic brick and stone dwellings, east side Spadina, near Adelaide, cost \$5,000; Thomas Alison, three detached two story and attic brick dwellings, 28, 30 and 32 Ross street, cost \$6,000.

FIRES.

Summer residences on island near Morra Lake, owned by A. F. Wood, A. B. Ross and Fred Seymour, all of Madoc.—Viau Bros.' biscuit and confectionery factory and Trotter's storage warehouse, on Riverdale street, Montreal, both buildings totally destroyed; total loss, \$300,000.—Store of Pierre Thuot, jr., at Iberville, Que.; loss \$7,000, insurance \$2,900.—A. A. Wright & Co.'s block at Renfrew, Ont.; loss \$40,000, partially insured.—Queen's Hotel at Stayner, Ont., owned by P. McSherry; loss \$3,000.—Peter's tannery on Union street, St. John, N.B.—Presbyterian manse at Portauquoque, N.S., totally destroyed, Rev. Mr. Ness, pastor.—Capt. Freeman Hatfield's residence at Port Greenville, N.S.—Mr. Dubuque's vinegar factory at St. Joseph, Que., containing eighteen large generators. The building was owned by Hon. Mr. Mercer.—B. A. Gordon & Co.'s planing mill at Glencoe, Ont., building, machinery and tools totally destroyed; loss \$5,000.

CONTRACTS AWARDED.

FLATLANDS, N. B.—New hatchery: Muddock Mann, contractor, \$3,950.

WOLFVILLE, N. S.—Rectory for church of England: J. Munro, this town, contractor.

COBourg, ONT.—Addition to Old Peoples' Home: Henderson Bros., contractors; cost \$1,300.

LONDON, ONT.—Heating Normal school building: Smith Bros. & Co., this city, successful tenderers.

HAMILTON, ONT.—Wm. & Walter Stewart, architects, have accepted tenders as follows for alterations to Y. M. C. A.

*Pumping Machinery
Electric Light Engines
Boilers*

Built Specially for Municipalities

**The Smart-Eby
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Limited**

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**BRIDGE SUB-STRUCTURES, WATER POWER DAMS, CANAL WORK
and CAISSON FOUNDATION a Specialty**

building: Brick work, G. Mills; carpenter work, Ald. Reid; roofing, Ald. Findlay.

CHATHAM, ONT. Furnaces for William street Baptist church; Copp Bros., Hamilton, successful tenderers.

STRATFORD, ONT.—The tender of R. White & Co. has been accepted for furniture for the city hall; price, \$765 35.

NEPEAWA, MAN.—\$18,000 town debentures: Central Canada Loan & Savings Co., Winnipeg, purchasers; price, \$17,880.

ETHEL, ONT.—The contract for Fraser ditch, in Grey township, has been let to John Curtin and W. Connolly; price, \$1,025.

NEWCASTLE, N.B.—The tender of Duncan & McLellan, of Woodstock, has been accepted for electric light plant for the town.

GODERICH, ONT.—Council has accepted tender of Sadler & Haworth, of Toronto, for supply of leather belting, at \$1.10 per foot for 13 inch, and \$2.95 for 28 inch.

ST. JOHN, N.B.—Alterations in Maxwell block on Charlotte street. James Myles, general contractor; mason work, Robert Maxwell. G. E. Fairweather is architect.

LONDON, ONT.—Moore & Henry, architects, have accepted tenders as follows for building new block of warehouses, corner Richmond and York

streets: Masonry and brick work, Alex. Burnett & Son; carpenter work, R. E. Wilson. The building will be five stories and will cost \$30,000.

SHAWENEGAN, QUE.—The Shawenegan Water and Power Company have just awarded to the I. P. Morris Co., a branch of Cramps, of Philadelphia, a contract for two water wheels of 6,000 h.p. each. The Pittsburg Reduction Co., which purpose establishing a factory here, have awarded to the R. D. Wood Co., of Philadelphia, the contract for water wheels, and the Westinghouse Co., of Pittsburg, the contract for generators.

TORONTO, ONT.—F. H. Herbert, architect, has let the following contracts: Pair semi-detached residences, Bloor street west, for Dr. G. S. Ryerson: Brickwork, Edward Gearing; carpenter work, George Rathbone; other trades not let. Pair semi-detached residences on Howland avenue for Dr. G. S. Ryerson: Brickwork, R. Chalkley & Son; carpenter work, Young & Co.; plastering, C. B. Simpson; painting, James Taylor; galvanized iron, Ormsby & Co.; plumbing and heating not let. Detached residence on Maple avenue for James Henderson, Q.C.: Brickwork, Thompson Bros., carpenter work, Thos. V. Gearing; slating, Rennie & Son; galvanized iron, Ormsby & Co.; painting, Jas. Knott; plumbing

and heating, Bennett & Wright Co.; plastering, C. B. Simpson.

MARKET CONDITIONS.

There continues to be a steady demand for builders' supplies, with a general tendency towards higher prices. In lead pipe there has been an advance of 2½ per cent, the price now being 7 cents for ordinary and 7½ cents for composition waste. On Thursday of last week the price of steel bars was advanced in Pittsburg from \$2.50 per 100 lbs. to \$2.75. This means an increase of \$5 per ton, but even at this figure it is almost impossible to obtain steel bars for delivery before the first of next year. It is said that the capacity of the steel mills and blast furnaces is sold out entirely for the remainder of the year. At Montreal bar iron has advanced 10 cents per 100 lbs., and galvanized iron is held 5 to 10 cents higher than it was ten days ago.

The movement of paints, oils and glass is exceptionally brisk. The high ocean freight rate on heavy goods makes it difficult to get supplies of whitening, and some buyers are stocking in anticipation of an advance.

The cement situation has not changed. Importers and dealers generally meet with some difficulty in filling orders, and the prospects are that a very light stock will be carried over this winter.

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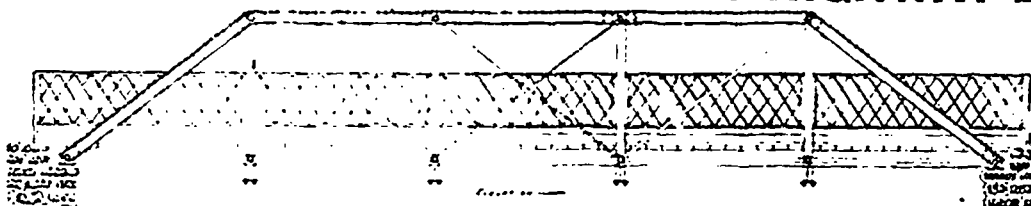
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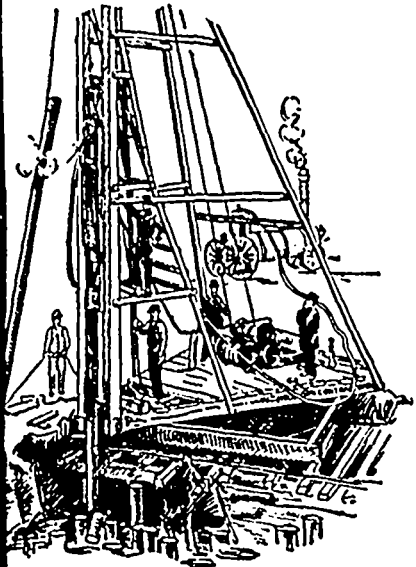
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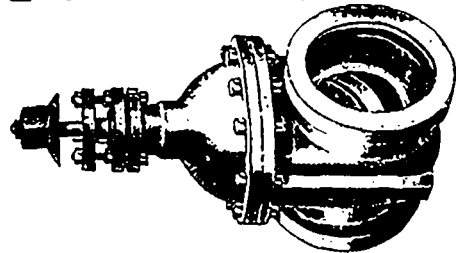
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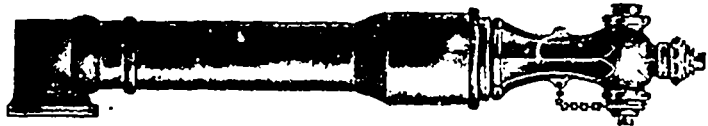
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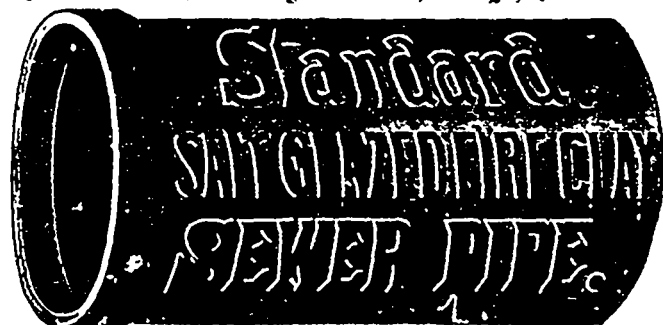


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MUNICIPAL DEPARTMENT

WOODEN STAVES FOR JOINTING PIPES.

The experience of the city of St. John, N.B., may possibly be of some service to other municipalities in a solution of the problem of protecting water mains from destruction by electrolysis.

The water supply of St. John is furnished by three mains leading to the city from Little River. One of these was laid in the year 1851 and the second in 1857, both being jointed almost entirely with pine staves. The third was laid in the year 1873 with lead joints. The work was carried out under the direction of Mr. Wm. Murdoch, engineer and superintendent of the Water and Sewer Department, by whom we are advised that the wooden staves were supplied at the following prices per joint: 24 inch pipe, 13 cents; 12 inch pipe, 7 cents; 8 inch pipe, 6 cents. Mr Murdoch states that the majority of the leaky joints have been found in the main having lead joints, leaks very rarely occurring in the wooden joints. The staves when removed to make changes or for other purposes have always been tight and sound. The elasticity of the wood allows each joint to yield when changing temperatures alter the length of the pipe line, while the inertia of the lead leaves it wherever dragged under similar circumstances, and the pressure finally blows it out.

The following extract from the specifications of wooden staves for the Spruce Lake pipe line at St. John may be of interest:

SPECIFICATION OF WOODEN STAVES.

1. There will be required by the Board of Management of the Department of Public Works of the city of St. John:

- 2,400 joints for 24-inch pipe
- 250 " " 12-inch "
- 80 " " 10-inch "

2. A joint in each case shall consist of a sufficient number of staves to encircle the exterior surface of a pipe, and the circumference shall be as follows:

- 24-inch pipe. 81 inches
- 12-inch " 42 "
- 10-inch " 35 "

Each stave is to have a length of four and a quarter (4 1/4) inches, and a thickness throughout of seven-sixteenths of an inch. The outer and inner surfaces are to be concentric and the sides radial.

3. Each stave is to conform transversely with the curvature of a circle, whose radius shall be as follows:

- For 24-inch pipe, radius 12 3/8 inches
- " 12-inch " " 6 3/4 "
- " 10-inch " " 5 1/2 "

4. All of the staves are to be made of clear white pine, straight in grain, without knots or shakes, worm holes or rot. No stave will be accepted which does not conform with this condition, and they must also be well seasoned and thoroughly dry.

5. All of the staves must be made to the satisfaction of the engineer and superintendent of sewerage and waterworks for the time being. He will have the authority to reject any that, in his judgment, do not conform with the conditions of this specification, and his decision will be final. He shall also have the right to explain any supposed ambiguity, and to alter any dimensions named herein prior to or during the course of manufacture of the staves,

such alteration not to affect the contractor's right to be paid for those already made, and it shall be the duty of the contractor to cause such staves made by him or under his direction to have the exact dimensions so given by the said engineer and superintendent, when stated in writing by the said engineer to that effect.

6. The engineer to have the right to increase or diminish the number of joints to the extent of ten per centum above or below the number herein named in each class, giving notice to the contractor to that effect, in writing, prior to the manufacture of the staves; but should the whole number of any class be made, and the engineer then find that all are not required, the city shall, nevertheless, accept the whole.

QUALITY OF HAMILTON SEWER PIPE.

The Hamilton & Toronto Sewer Pipe Company advise us that the city authorities of Winnipeg, Man., have been laboring under the impression that sewer pipes manufactured in Hamilton are not as true, neatly made, nor as strong as those of some other factories. That this impression gained currency is due to the fact that many years ago six car-loads of sewer pipe were shipped from Hamilton to Winnipeg by the Campbell Sewer Pipe Company. It is said that the pipes shipped were not true in circle, and were not what would be called to-day first-class goods. The manufacture of sewer pipe was then in its infancy, and the goods were not turned out to compare with the quality that is manufactured to-day. Furthermore, the Hamilton & Toronto Sewer Pipe Company justly maintain that their company should not be held responsible for the mistakes of a company which has gone out of existence long since, and which had no connection with the Hamilton & Toronto Sewer Pipe Co. This latter company report that they are at present supplying the corporations of Sherbrooke, Lennoxville, Quebec city, Hamilton, London, Chatham, Lindsay, Woodstock, Sarnia, Ingersoll, Kingston, and Brantford, the contract with

the latter city including 2,500 feet of 24-inch pipe for conveying water by gravitation, which requires the best article. By an agreement with the other sewer pipe manufacturers they are not supplying any pipe to the cities of Toronto and Montreal. They claim that the quality of the sewer pipe now manufactured in Hamilton is equal to any to be obtained in Canada.

DISINTEGRATION OF CEMENT.

The London "Lancet" says the disintegration of cement in the lining of water reservoirs results from the action of the bacterium known as the nitrifying organism. This organism is useful in purifying sewage and effete matters and produces nitrous acid. This acid leads to the disintegration of the cement linings. This disintegration has heretofore been thought to result solely from the action of carbonic acid as a solvent. A gradual "change of scientific thought seems to be creeping in" in this matter, says the writer. "Julien, some time since, showed that the disintegration of certain stones was brought about not so much by carbonic as by crenic and appocrenic acid. Recent researches, especially by Russian investigators, point to the circumstance that certain chemical changes are brought about through the medium of bacteria, and, in the absence of the latter, those changes do not take place. We are far from warranted, in the present state of knowledge, in saying that all chemical change is wrought or promoted by organisms, but it is impossible not to recognize the general trend of thought in that direction. If, as is now suggested, the gradual disintegration of cement in reservoirs is due to organic agencies, then cement makers will have to devise a cement with special reference to the action of the nitrifying organism; the resulting mud of decomposition seems with this bacteria. As the presence of the latter is distinctly beneficial to the water, the remedy certainly lies in employing a cement which shall be capable of withstanding their onslaughts, rather than by removing these bacteria from the water as far as possible.



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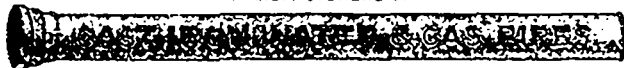
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In the "Canadian Architect and Builder."

<p>Architects. Ontario Directory... 111 Quebec Directory... x</p> <p>Architectural Sculptors and Carvers. Holbrook & Mollington... i</p> <p>Architectural Iron Work. Dominion Bridge Co. I Art Woodwork Southampton Mfg. Co. II Artists' Materials. Hearn & Harrison... ix The Art Metropole... III</p> <p>Builders' Supplies. Bremner, Alex. i Montreal Directory... xii O'Neil, Wm. x Ontario Lime Association... xii Rice Lewis & Son... IV Toronto Directory... xij</p> <p>Building Stone Dealers. Amherst Red Stone Quarry Co. v Brodie, James, v Credit Forks Mining & Mfg. Co. v Fessey, W. H. v Hood & Son... ix Robertson & Co., D. v The Longford Quarry Co. v</p> <p>Builders' Hardware. Rice Lewis & Son... IV</p> <p>BRICKS. Beamsville Brick & Terra Cotta Co. viii Toronto Pressed Brick & Terra Cotta Co. v</p> <p>Contractors' Plant and Machinery Rice Lewis & Son... IV</p> <p>Cements. Bremner, Alex. i Commercial Wood & Cement Co. IV Owen Sound Portland Cement Co. IV The Rathbun Co. ix</p>	<p>Crossed Stains Cabot, Samuel... IV</p> <p>Drying Apparatus Cummer & Son Co. 230</p> <p>Drain Pipe Bremner, Alex. i Hamilton and Toronto Sewer Pipe Co. ... xi</p> <p>Elevators Fensom, John... i Leitch & Turnbull... i Miller Bros & Toms.. vi Morse, Williams & Co. viii</p> <p>Embossed Moulding Boynton & Co.</p> <p>Engravers. Can. Photo-Eng. Bureau... x</p> <p>Folding Partitions. Seaman, Kent & Co. 210 Springer, O. T. viii</p> <p>Fireproofing. Montreal Terra Cotta Lumber Co. xii Rathbun Co. ix</p> <p>Flag-staffs and Windmills. Gould, Shapley & Muir... II</p> <p>Grilles and Railings. Dennis Wire & Iron Co. vi Toronto Fence & Ornamental Iron Works. vi Southampton Mfg. Co. II</p> <p>Granite Brunet, Jos. v Brodie, James, v Stanstead Granite Quarries Co. v</p> <p>Heating. Boston Blower Co. III Clare Bros & Co. iv Dominion Radiator Mfg. Co. I, iii Darling Bros. 210 General Engin. Co. II Gurney, Tilden Co. ii Jam & Smart Mfg. Co. v Leonard & Sons, E. IV Ormsby & Co., A. B. I Robb Engineering Co. ix</p>	<p>Interior Decoration Elliott & Son Company vi</p> <p>Lime. Ontario Lime Association... xii</p> <p>Luxfer Prisms. Luxfer Prism Co. viii</p> <p>Legal. Quinn & Morrison... III</p> <p>Mantles, Grates, and Tiles Chas. Rogers & Sons Co. vi Holbrook & Mollington i Rice Lewis & Son... IV</p> <p>Mail Chutes. The Cutter Mfg. Co. x</p> <p>Mortar Colors and Shingle Stains. Cabot, Samuel... IV Muirhead, Andrew... i</p> <p>Ornamental Iron Work. Dennis Wire & Iron Co. vi Toronto Fence & Ornamental Iron Works. vi</p> <p>Painters. Montreal Directory... xii Toronto Directory... xii</p> <p>Plasterers Hynes, W. J. 230</p> <p>Paints & Varnishes Muirhead, Andrew... i</p> <p>Parquet Floors Elliott & Son Company vi</p> <p>Plate Glass Lyon, N. T. i The Consolidated Plate Glass Co. xi Toronto Plate Glass Co. vi</p> <p>Plumbers Montreal Directory... xii Toronto Directory... xii</p> <p>Roofers Frink, I. P. III</p> <p>Roofing Materials Ormsby & Co., A. B. I Metallic Roofing Co. 210</p>	<p>Roofers Campbell & Gilday... xi Duthie & Sons, G. xi Forbes Roofing Co. xi Nicholson & Co., D. xi Ormsby & Co., A. B. I Rennie & Son, Robt. xi Stewart & Co., W. T. xi Williams & Co., H. xi</p> <p>Sanitary Appliances Ideal Mfg. Co. xi The James Morrison Brass Mfg Co. viii</p> <p>Stained and Decorative Glass Bloomfield & Son, Henry... i Horwood & Sons, H. Lyon, N. T. i Leonard, B. i Mackey Stained Glass Co. i McKenzie's Stained Glass Works... i The Robert McCausland Stained Glass Co. i Wood & Co. i</p> <p>Shingles and Siding Metallic Roofing Co. 210 Ormsby & Co., A. B. I</p> <p>Soil Pipe. Toronto Foundry Co. III</p> <p>School and Church Furniture. Can. Office & School Furniture Co. x</p> <p>Fenillators Boston Blower Co. III Wood & Co. i</p> <p>Wall Plaster Albert Mfg. Co. IV Alabastine Co. IV Bremner, Alex. i</p> <p>Wall Paper. Scantlebury, C. B. vi</p> <p>Wire Lathing The B. Greening Wire Company... xj</p>
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" 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 25 2 45
Newcastle "	2 70	3 10	1 95 2 10
" Joseph Bra Portland "	3 00	3 25	2 75 2 80
" Dyckerhoff "	3 05	3 25	2 75 2 90
North's "Condor" "	2 95	3 00	2 05 2 80
English, artificial, per bbl.	2 85	3 00	2 5 2 45
Belgian, natural, per bbl.	2 50	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
Superfine "	1 25	7 00	8 25 9 00
" Karlstadt " (German)	3 05	3 25	2 75 2 90
" Germania " (German)	3 05	3 25	2 75 2 90
" Rooter " (Belgian)			2 45 2 70
" Keystone " (Belgian)			2 45 2 70
" 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
Queensston, "	1 50	1 50	1 60
Napanee, "	1 50		1 50
Hull, "	1 50		1 50
Ontario, "	1 25		

	Toronto.	Montreal.
Keene's Coarse "Whites"	5 50 6 00	5 00 5 50
Fire Bricks, Newcastle, per M	30 00 35 00	18 00 21 00
" Scotch	30 00 35 00	19 00 21 00
Lime, 100 lbs., Grey	25	
" White	30	30
Plaster, Calcined, N. B.	2 00	1 50
" N. S.	2 00	1 50
Hair, Plasterers', per bag	80	1 00 0 60

HARDWARE.

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

Cut nails, 5d & 6d, per keg	2 10	1 85
Steel " " "	2 60	1 95

CUT NAILS, FENCE AND CUT SPIKES.

40d, hot cut, per 100 lbs	2 60	1 85
10 to 12d, hot cut	2 35	1 95
8d, 9d, " "	2 40	2 10
6d, 7d, " "	2 45	2 15
4d to 5d, " "	2 65	2 25
3d, " "	2 90	2 85
2d, " "	3 25	2 85

Cut spikes, 10 cents per keg advance.
Steel Nails, 10 c. per keg extra.
Wire nails, 3-40 base 1/2 c.

Iron Pipe:

Iron pipe, 1/2 inch, per foot	6c.	6c
" " 3/4 " " "	7	7 1/2
" " 1 " " "	8 1/2	8 1/2
" " 1 1/2 " " "	12	12
" " 2 " " "	17	17
" " 2 1/2 " " "	24	24
" " 3 " " "	30	30
" " 4 " " "	43	43

Toronto, 65 per cent. discount.
Montreal, 70 per cent. discount.

Lead Pipe:

Lead pipe, per lb.	7c.	35 per cent. dis
Waste pipe, per lb.	7 1/2	cent. dis

Galvanized Iron:

Adam's—Mar's Best and Queen's Head and Opolo:

16 to 24 gauge, per lb.	4 1/2 c.	4 1/2 c.	4 1/2
26 gauge, " "	4 1/2	4 1/2	4 1/2
28 " "	5	5 1/2	4 1/2

Gordon Crown—

16 to 24 gauge, per lb.	4 1/2	4 1/2	4 1/2
26 gauge, " "	4 1/2	4 1/2	4 1/2
28 " "	5	5	4 1/2

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

Structural Iron:

Steel Beam, per 100 lbs.	2 75	2 75
" channels, " "	2 85	2 31
" angles, " "	2 50	2 10
" tees, " "	2 80	2 80
" plates, " "	2 55	2 25
Sheared steel bridge plate		2 75