

CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF THE CONTRACT RECORD

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.

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THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

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TENDERS WANTED.

Sealed tenders addressed to either of the undersigned (with whom plans and specifications can be seen) will be received until noon on MARCH 17, 1902, for the erection of two Steel Bridges, to be built over the River Thames. One near the Muncy Station, M. C. R., between townships of Carleton and Delaware, consisting of two spans each 125 feet C to C, and two spans each 60 feet C to C, 16 foot roadway, the other about 5 1/2 miles south of Glencoe, G. T. R. consisting of one span 240 feet C to C. This bridge is to be designed for a solid concrete roadway 16 feet wide. At the same time tenders will be received for Concrete Substructures for the above bridges.

CHAS. TALBOT, Bridge Commissioner, County Building, London, Ont.
JAN. A. HELL, County Engineer, (City Hall, St. Thomas, Ont.

City of Winnipeg

Tenders for the Supply of 1200 Tons of Asphalt.

Sealed tenders, addressed to the Chairman of the Committee on Works, for the supply of 1,200 tons of asphalt for street paving for the City of Winnipeg, will be received at the office of the undersigned up to 5.30 p. m. on Thursday, Feb. 27, 1902.

Specifications and forms of tender may be obtained upon application at the office of Col. H. N. Rutan, City Engineer, Winnipeg.

Each tender must be accompanied by an accepted cheque or cash deposit for the sum called for in the form of tender supplied, which will be subject to forfeiture in case of failure on the part of the contractor to enter into a written contract if called upon to do so. If an accepted cheque is submitted it must be payable at par in Winnipeg, or be for an amount sufficient to cover exchange over the sum called for in the form of tender supplied.

The city reserves the right to reject any or all tenders or to accept any bid which appears advantageous to the City of Winnipeg.

City Clerk's Office,
Winnipeg, Jan. 25, 1902.

C. J. BROWN,
City Clerk.

WANTED - A FIRST-CLASS ARCHITECTURAL Draughtsman, one with experience required. Apply, stating terms, etc., G. M. BAYLY, Architect, Ottawa.

NOTICE TO CONTRACTORS

Construction of Drainage Works

Sealed proposals addressed to the Engineer in Charge and endorsed on the outside "Proposal for the Construction of the Petite Castore River and Annable Creek Drainage Works," will be received until 12 o'clock noon, of

MARCH 15th, A. D., 1902.

The work consists of the improvement and extension for drainage purposes of the Petite Castore River and Branches in the Townships of Mountain, Winchester and Russell and requires the excavation of approximately

384,500 CUBIC YARDS OF EARTH
12,380 CUBIC YARDS OF ROCK

and the supply of material for and the construction of the Road Bridges in the Township of Winchester, as well as the removal of all obstructions in the shape of trees, stumps, stones, etc.

Each proposal must be accompanied by a certified check or cash, payable to the Treasurer of the Township of Winchester, for 5 per cent. of the bid. In case the proposal is accepted the deposit will be retained until the contract is duly signed when it will be returned to the contractor and bonds taken in the amount of 15 per cent. of the contract price as a guarantee of the faithful performance of the work.

Proposals must be made on the printed forms which may be had on application to the Engineer on or after Feb. 14th, 1902, after which date the plans, profiles, specifications, forms of tender contract and bond may be seen at the office of the Engineer.

The right is reserved to reject any or all tenders.

THOMAS H. DUNN, Engineer,
Winchester, Ont., Jan. 21, 1902.

CONTRACTS OPEN.

FESSERTON, ONT.—W. W. Carter has commenced to rebuild his saw mill.

NELSON, B.C.—A chief for the fire department is wanted, salary \$125 a month.

CALGARY, N.W.T.—Ellis & Grogan purpose building an addition to their warehouse.

CHATSWORTH, ONT.—McGill & Son contemplate erecting a two storey building.

KING CITY, ONT.—McDonald Bros. have had plans prepared for alterations to store.

DURHAM, ONT.—The Mayor has been appointed to select a site for the new town hall.

OWEN SOUND, ONT.—The McQuay Tanning Co. have selected a site for their factory.

HINTONBURG, ONT.—Plans have been prepared for extension to Bethany church school room.

HESPELER, ONT.—The Hespeler Furniture Co. intend extending their factory in the spring.

KINGSTON, ONT.—Over \$20,000 has been subscribed towards the proposed Grant convocation hall.

MACADAM JUNCTION, N.B.—It is said that the C.P.R. will build new cottages here this spring.

OUTREMONT, QUE.—The council have decided to borrow \$20,000 for local improvements this year.

ORILLIA, ONT.—William Kyle is this week taking tenders for erection of two storey brick-clad dwelling.

GODERICH, ONT.—Huron county council has made a grant of \$1,000 towards proposed hospital here.

WATFORD, ONT.—Plans are being prepared for new school houses in S. S. No. 16, Brooke, and No. 18, Warwick.

WHEATLEY, ONT.—It is proposed to build a public school.—William and Andrew Bowerman will build residence.

WELLAND, ONT.—The Ithica Wall Paper Co., of Ithica, N.Y., are considering the establishment of a branch here.

TRURO, N. S.—John Stanfield, E. Philips, D. B. Cummings and Dr. M. K. Langille will each build residences this spring.

KINGSVILLE, ONT.—It is probable that steps will be taken this year to extend the waterworks and electric light systems.

PORT ARTHUR, ONT.—The committee appointed to take steps to install a municipal telephone system is meeting with fair success.

SHERBROOKE, QUE.—The Hobey Packing Company have asked permission from council to erect an abattoir on Lansdowne street.

NORWICH, ONT.—William Fairley, clerk, wants tenders by 17th inst. for purchase of \$1,700.39 4 1/2 per cent. local improvement debentures.

ST. HYACINTHE, QUE.—It is estimated that the new Catholic cathedral to be built here will cost \$200,000. Plans by Rev. Canon Bouillon.

GRAND FALLS, N.B.—It is rumored that a joint stock company will be formed for the introduction of waterworks and electric light systems.

WATERVILLE, QUE.—It is expected that the Gale spring bed factory destroyed by fire will be rebuilt, as there was an insurance of \$30,000.

LAKE WEEDON, QUE.—The municipality has granted a bonus of \$10,000 for the erection of a pulp mill to be built here by American capitalists.

HAWKESBURY, N.S.—The management of the Royal Bank of Canada have had plans prepared for a building to be built this spring, to cost \$3,000.

KENTVILLE, N. S.—The Nova Scotia government have purchased a site here on which it is proposed to build a provincial sanitarium, at cost of \$13,000.

GRANBY, QUE. — The Catholic school commissioners are discussing with the ratepayers the question of erecting a new school building, at a cost of \$20,000.

SEAFORTH, ONT. — The county council has been requested to build a bridge over the Matland river between the townships of Colborne and Goderich.

ST. MARY'S, ONT. — Residences will be built on Wellington street by Mrs. Matilda Slark, Mrs. Fred Farr, Mrs. B. Robinson, Thomas Tremble and E. Hanharm.

BRANTFORD, ONT. — The contract will shortly be let for extensive improvements to the factory of the Cockshutt Plow Co. The expenditure will be about \$50,000.

VICTORIA, B. C. — The board of school trustees propose to submit a by-law to the ratepayers to provide \$20,000 for erection of new school in Victoria west.

GRANTON, ONT. — Plans have been completed by R. Banks Barber, architect, of Stratford, for proposed Presbyterian church here, and tenders will be called for immediately.

RAT PORTAGE, ONT. — Frank Gardiner will erect a brick block this spring. — In case Mr. Hilliard decides not to rebuild his hotel, the formation of a company to build a first-class hotel is anticipated.

THOROLD, ONT. — An electric railway from Thorold to Dunnville is proposed. John Battle and W. M. German, M.P., are interested. — New heating apparatus may be installed in the Presbyterian church.

MANSONVILLE, QUE. — A movement is on foot to have the village lighted by electricity. — The committee of the Anglican church will secure the services of an architect to prepare plans for the reconstruction of the church building.

QUEBEC, QUE. — Surveyors along the line of the South Shore Railway have now reached Nicolet, and are about to locate the sections of the road between that point and the Quebec bridge. The work of construction will proceed in the early spring.

PUGWASH, N.S. — Those who share the five have decided to rebuild are Maurice Walsh, dwelling and grocery; Elbott & Co., general store; Dr. Dakin, residence and drug store; Mrs. Clarke and William McLeod, dwellings; J. H. Clarke, butcher shop.

PEMBROKE, ONT. — Tenders are asked by J. W. Munro, of this place, up to March 10th, for the construction at Spanish Falls, Ont., of a concrete dam containing about 5,000 yards of concrete, also 7,000 yards foundation for building and laying about 1,000,000 bricks.

PARRY SOUND, ONT. — Alex. Dick, C.E., has been instructed by council to prepare plans for the substructure of a bridge to be built over the Seguin river. — Efforts are to be made to secure from the Dominion Government an appropriation for the construction of public docks for this town.

SAULT STE. MARIE, ONT. — Curran Bros. are taking tenders up to 10th inst. for erection of stone office building for the Sault Ste. Marie Star. — The Algoma Commercial Company intend laying 1,000 feet of railway track into the yards of the large saw mill now under construction.

VANCOUVER, B. C. — F. H. Malcolm is arranging for the establishment of a can manufacturing establishment at False Creek. — The Board of Trade have been giving some attention to the question of improved fire protection. It is probable that a new central station

and three new sub-stations will be recommended.

PRESTON, ONT. — Fred Burke has decided to construct a lime kiln in connection with his stone quarry. — The Canadian Office & School Furniture Co. are asking for tenders for building large addition to factory. — The foundry of Ballantyne & Co. will be extended in the spring by an addition of 60x40 feet, two storeys high.

LONDON, ONT. — The city engineer has prepared plans for alterations to the police station, including new iron cages. — The question of improving the city hall or erecting a new building is under consideration by the council. — Chas. S. Hyman, M.P., states that the plans for the new armouries in this city are not yet ready. — H. C. McBride is also preparing plans for a store for Dr. Field, of Woodstock, to be erected in that place.

BRANDON, MAN. — An arrangement for street lighting has been made with the Brandon Electric Light Co., of which G. A. Patterson is manager. A heavy outlay will be made by the company in erecting lines and purchase of arc lamps, transformers, etc. — The city engineer has been instructed to prepare plans for a settling basin at the pumping station of 2,000,000 gallons capacity.

WINDSOR, ONT. — In addition to the new school which will be erected in the spring on the site of the present St. Alphonsus school, it is possible that another separate school will be erected on Campbell avenue, in the west end. Particulars from Rev. Father Meunier. — The property owners on Ouellette avenue are considering the kind of pavement to be laid on the street this year.

ST. THOMAS, ONT. — James A. Bell and C. M. Talbot, county engineers for Elgin and Middlesex respectively, have been instructed to prepare plans and ask for tenders for a bridge over the river Thames on the town line between Dunwich and Allborough, to be of steel on concrete foundation, 240 feet long, with 16 foot floor. Tenders for this bridge and the Muncey bridge will be opened on March 18th.

HALIFAX, N. S. — Herbert E. Gates, architect, has prepared plans for extensive alterations and additions to the Union Bank of Halifax, this city, which will make one of the finest banking rooms in Canada. — Same architect, who has just returned from New York, will at once prepare plans for new station house for the Dartmouth Ferry Commission, for which purpose he was sent to New York. He has prepared plans for an apartment house on South street for Mrs. Gibson.

TORONTO JUNCTION, ONT. — Pugsley, Dinman & Co. propose building an addition to their works, 70 x 40 feet, two storeys. — A number of buildings are yet to be erected by the Union Stock Yards Co., including general offices on Peel street and a large pavilion for the purpose of fancy stock sales. A drive for speeding horses will adjoin the pavilion, 800 feet long by 40 feet wide. The yards will be electric lighted throughout, the alleys brick paved and the yards concreted. It is said to be the intention of the company to build a commodious hotel also.

BROCKVILLE, ONT. — On February 3rd the ratepayers voted in favor of expending \$50,000 for improvements to the gas and electric light plants. — The Deering Harvesting Company, of Chicago, are negotiating with the council for the erection of a mammoth branch of their business in this city. They recently bought out the Mann Manufacturing Company, the works of which have been

enlarged as far as the land will allow. They ask the city for 25 acres of land, upon which they propose to erect three large buildings and a power house.

HAMILTON, ONT. — It is likely that a new building will be erected to replace the Mary street school. — W. P. Wilton, architect, has taken tenders for alterations to Evsine Presbyterian church. — The North End Improvement Association is taking steps to secure the erection of a bridge across Strachan street. It is urged that if the Grand Trunk Railway Company cannot be compelled to build the bridge, the city should build it. — S. S. King has been granted a permit for alterations to premises occupied by James Shea and owned by the Stinson Estate, to cost \$1,500.

WINNIPEG, MAN. — J. H. G. Russell, architect, is taking tenders this week for addition to warehouse on Bannatyne avenue for J. H. Ashdown. — The Legislature will be asked to permit the city to raise \$30,000 by the issue of debentures for furnishing and equipping a public library, Mr. Carnegie having offered \$70,000 for the erection of the building. — The sum of \$7,400 has been subscribed towards building a new church for St. Stephens' congregation. Building operations will be commenced as soon as \$10,000 is obtained. — It is understood that the Northern Elevator Co. and the Winnipeg Elevator Company will erect in this city next spring a grain elevator of 500,000 bushel capacity.

ST. JOHN, N.B. — The director of works has been empowered to call for tenders for a quantity of tar, 300 barrels of asphalt and 2,000 feet of granite curbing. — A special meeting of the council last week met George Robertson, M.P.P., of the Imperial Dry Dock Co., and Louis Coste, Dominion Government Engineer, and consulted regarding drydock matters. It is understood that the dock will be over 600 feet in length, of wood, with granite and concrete entrance. — It is said that local industries have been asked by the C.P.R. to tender for the construction of 12 large tanks and a number of locomotive boilers. — Plans of heating apparatus to be installed in immigration building in this city are on view at the office of D. H. Waterbury, Custom House. Tenders close 22nd inst. — The city engineer has been asked to prepare an estimate of the cost of providing additional warehouse and wharf accommodation for the D.A.R. Co.'s steamers. It is expected to cost about \$75,000. — The Safety Board has recommended to council that plans be prepared for alterations to the hook and ladder house, King street east, and that a steam engine be placed in the north end hook and ladder station.

MONTREAL, QUE. — W. E. Doran, architect, is preparing plans for a new school at the corner of Laprairie and Manufacturers street, of Canadian stone and brick, cost \$30,000. Same architect is preparing plans for the new building to be built at Point St. Charles by the Union Abattoir Company, of which William Strachan is president; estimated cost \$100,000. — The Inverness-Richmond Collieries & Railroad Company, controlled by MacKenzie & Mann, have asked the harbor commissioners for 1000 feet frontage of wharf space at Windmill Point, to be used for coal terminal facilities. — Building permits have been granted as follows: S. Goodbody, two storey house, corner Wellington and Charlesvoix streets, cost \$6,500 (J. A. Karch, architect); J. Auld, three storey house and factory, 642 Lagauchette street, cost \$8,125.00 (A. F. Dunlop, architect, L. Beaudry, contractor); A. Catudal, two storey house, 522 St. Hippolyte street, cost \$1,000; Elzear Martel, two storey house, Gifford street, near St.

Andre street, cost \$1,900; Mrs. Lanthier, three storey house, 27 Aylwin street, cost \$2,400 (Mr. Bennett, architect, J. St. Jacques, contractor); Jessie S. Gibson, two storey house and warehouse, 366 St. Antoine street, cost \$1,500; W. Phlean, two storey house, Shaw street, cost \$1,130 (A. Chendvert, contractor); U. Pauze & Fils, three storey house, St. Urban street, costs \$3,900 (U. Pauze & Fils, contractors).

OTTAWA, ONT.—Tenders will be invited this week for new Sunday school room for Grace church.—It is proposed to form an amalgamation of bakers and to erect a large bakery in Hull.—F. Gelinas, secretary Department Public Works, invites tenders up to Saturday, 22nd inst., for installation of heating apparatus in the immigration building, St. John, N. B.—Estimates have been called for by the Canada Atlantic Railway Company on the lumber, fittings and other material required for car construction. It is said to be the intention of the company to build 500 box cars.—G. M. Bayly is taking tenders up to Friday of this week for the erection of a three-house terrace on O'Connor street, a double house on Maria street, and alterations to a double house on Maria street.—M. C. Edey, architect, is preparing an estimate of the cost of proposed alterations to the city hall.—The Board of Trade have appointed a committee to secure an estimate of the cost of erecting a new Board building. John Coates is president.—The Abbittubi Fish and Game Club will make improvements to club house, at cost of \$1,000.—It has been decided by the Men's Association of Christ Church Cathedral to proceed with the building of the Lauder memorial hall, which is to cost \$16,000.—W. D. Morris, ex-mayor, has purchased the property on the north-east corner of McLaren and Bank streets and will build thereon in the spring.—It is probable that the present Y. M. C. A. building will be sold and a more commodious structure erected.—The Minister of Marine has decided to build a lighthouse at Cape Traverse, at a cost of \$75,000.

TORONTO, ONT.—A deputation from Etobicoke township waited upon the York county council last week requesting a grant towards a bridge over the south branch of the Humber river, west of Clairville. The cost of the bridge is placed at \$2,000.—Tenders will be received at 236 St. Clarens avenue, up to 15th inst., for carpenter and brick work of a pair of houses.—Building permits have been granted as follows: William Dunkley, residence, west side Lansdowne avenue, near Marion street, cost \$1,800; Alex. Young residence, 60 Sully street, cost \$1,000; Henry George, dwelling, 84 West Lodge avenue, cost \$1,000; Bawn & Farnworth, stone and brick dwelling, 570 College street, cost \$2,500; J. Minto, two stores, 505 and 595 Dundas street, cost \$3,000; W. A. Clark, two storey residence, 36 Howard street, cost \$2,700; Mrs. M. Elliott, alterations to dwellings, 55 and 57 Mutual street, cost \$1,500.—Tenders have been taken at 270 St. Patrick street for erection of two brick houses.—A committee has been appointed to make a canvass in order to raise funds for the erection of a women's hospital in connection with the Women's Medical College.—Plans are nearing completion for the new science building for Toronto University. It will be four stories high, of pressed brick and brown stone;

estimated cost, \$200,000.—The sites and buildings committee of the Separate School Board have recommended that the finance committee provide funds for the building of the Parkdale school.—Rev. Father McEntee is advocating the erection of a new school in St. Joseph's district.—Henry Waters, of Ottawa, chairman of the Education Committee of the College of Pharmacy, has urged the council to enlarge the college building.—The public school estimates are expected to include \$12,500 for enlarging the Huron street school.—The York county council may take legal steps to compel the Metropolitan Railway Company to furnish improved rolling stock.—The city council has given notice of its intention to construct concrete sidewalks on Elliott street, cost \$5,912; Brock avenue, cost \$684; First avenue, cost \$705; Sherbourne street, west side, Queen to Wilton avenue, cost \$1,189.—Ald. McMurrich will move in council to instruct the city engineer to report upon the advisability of installing a separate sewage system for that portion of the city lying west of Spadina avenue.—Mr. Jones, of the Pease Furnace Co., has purchased land and will erect this year a residence on the south side of Crescent Road, near Rosedale Road.—Mr. Murray, builder, of Parkdale, has bought four lots cor. Crescent Road and Scarth

Road, and will erect residences.—A lady whose name has not transpired has purchased a lot for a residence on the east side of Park Road, near Crescent Road.

FIRES.

Planing mill of Lurd Bros. at Dresden, Ont., loss \$2,500.—Fire at Tamworth, Ont., on 6th inst., destroyed D. E. Ross's drug store, G. N. W. Telegraph office, Flood & Son's residence and store, J. O'Brien's shoe store and Thos. Barry's grocery store.—Premises of D. Gunn, Bros. & Co., 76 Front street east, Toronto, damaged to extent of \$6,000.—Departmental store of M. Fickler & Co. at Fredericton, N. B., totally destroyed; loss \$20,000.

CONTRACTS AWARDED.

CHATHAM ONT.—Blonde Bros. & Co. have secured the contract for seating St. Mary's church, London.

MARYSVILLE, N. B.—Post office building: C. B. Simmons, of Gibson, successful tenderer, at \$6,787.

BROCKVILLE, ONT.—The James Smart Mfg. Co., this city, have secured a contract for warming and ventilating Presbyterian church at Watford.

WATERLOO, ONT.—The tender of

Good Roads Machinery Co. (Limited.)

JOHN CHALLEN, Manager, HAMILTON, ONT.

"CHAMPION" Rock Crushers, Road Rollers, Road Graders, Road Plows, Macadam Spreading Wagons, Street Mud Cleaners, Wheel & Drag Scrapers.

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FIRE BRICKS, FIRE CLAY, Etc., Etc.

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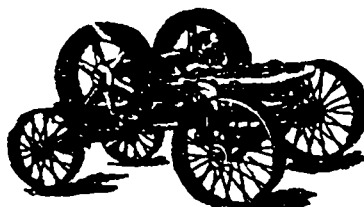
MONTREAL

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MUNICIPAL DEBENTURES BOUGHT

ÆMILIUS JARVIS & CO. (Toronto Stock Exchange) 19-21 King St. West, TORONTO, Ont.

the Mutual Life Insurance Co. for purchase of \$4,970.20 town debentures has been accepted, price, \$7,970 and accrued interest.

PORT STANLEY, ONT.—The contract for machinery for new boat for Port Stanley Navigation Co. has been let to Goderich Engine Co., Goderich, at \$5,200.

BERLIN, ONT.—Successful tender for pavilion in Victoria Park: Masonry, C. Braun, \$484; carpenter work, G. Schulz, \$3,100; painting, F. Vetter, \$500.

THREE RIVERS, QUE.—Thomas Malone is said to have secured the contract for harbor improvements here, which are to cost \$750,000. The work will be commenced in the spring.

HALIFAX, N. S.—It is said that Millsley & Horn, of Toronto, have been awarded the contract for alterations and improvements to the Intercolonial railway station here, estimated to cost over \$50,000.

LEVIS, QUE.—The tender of Ross, Power & Co., for construction of waterworks system, which has been accepted by the city, is said to be \$299,745. F. X. Berlinguet has been appointed engineer for construction.

HAMILTON, ONT.—Contracts for waterworks supplies have been let as follows: Lead pipe, Wood, Vallance & Co.; cast iron pipe, junctions, etc., Gairshore-Thompson Co.; ordinary castings, Brown & Boggs; stop cock boxes, etc., Burrows, Stewart & Milne; stop valves, Smart, Eby & Co.; pattern hydrants, etc., Dodson & Sutton.

MONTREAL, QUE.—Sub-contracts in connection with Board of Trade building have been awarded as follows: Steel and iron work, Dominion Bridge Co.; fire proof construction, the Roebling Construction Company, of New York. — Perrault & Lesage, architects, have awarded the contract to Webster Bros. & Parkes for mosaic vestibule and marble dado for the Hochelaga post office.

TORONTO, ONT.—John Kay, Son & Co. have secured the contract for furniture and carpets for the King Edward Hotel.—The John R. T. B.

Plumbing & Heating Co. have secured the contract for plumbing and hot water heating of new residence on South Drive, Rosedale, for Hugh Munro, and the contract for plumbing of two residences on Withrow avenue for Frank Hillock.

LONDON, ONT.—H. C. McBride, architect, let the following contracts last week for an alteration for J. C. Woods, of this city: Brickwork, Everett & Sing; carpenters' and joiners' work, R. G. Wilson. The remaining works have not yet been let.—H. C. McBride is also preparing plans for a store for Dr. Field, of Woodstock, to be erected in that place.

VICTORIA, B. C.—The promoters of the smelter at Crofton, Osborne Bay, have let the contract for excavating for foundation to the Victoria Transfer Co.,

and that for a battery of three boilers of 260 h. p. each to the Victoria Machinery Dept. George Lewis, of Duncan, is getting out piles for the four docks, wharves and ferry slips, and tenders for the masonry and carpenter work will be called for in a few days.

THE DETERMINATION OF THE SOUNDNESS OF PORTLAND CEMENT.

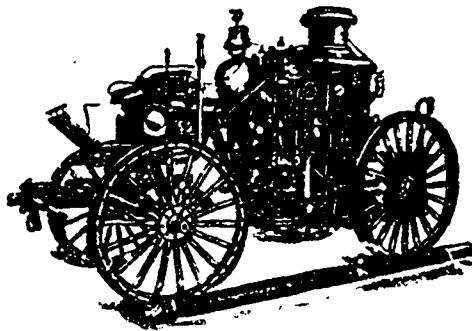
At the meeting of the Society of German Portland Cement Manufacturers in February, 1901, a report was presented by its committee on the soundness and time of setting of Portland cement. In the absence

JOSSON CEMENT .. Manufactured at, NIEL ON RUPELL

Is the Highest Grade Artificial Portland Cement and the Best for High Class Work. Has been used largely for Government and Municipal Works.

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The Canadian Bridge Co., Limited

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RAILS FOR SALE

BEST ENGLISH MAKE—VERY LITTLE USED.

200 tons 56 lbs. Steel Relaying Rails } Including Plates
2300 " 60 " " " " } and New Bolts.

SUBJECT TO INSPECTION. DELIVERY F.O.B. MONTREAL.

ASK FOR SAMPLE SECTION OF RAILS.

L.H. GAUDRY, 101 St. John St., Quebec

of the chairman, Dr. Schumann, his report was read by Mr. Schniffer. The following translation of it was prepared from the Society's "Protokoll."

"In 1898, after the commission for the determination of the soundness and time of setting of Portland cement had carried on its investigations for a period of two years, it reached the conclusion that none of the so-called accelerated tests (the hardening, boiling, glow, hot-water and compressed-pat tests) was adapted to form in all cases a correct and quick judgment of the applicability of a cement for practical use.

"In the past year the investigations of the committee have been completed after a period of observation of four years, and Mr. Gary, division-director of the Royal Testing Laboratory at Charlottenburg, has again undertaken the work of bringing together the results of the Testing Laboratory and those of the members of the commission, in a report which will soon appear in the 'Mittheilungen' of the Royal Testing Laboratory. [It has since been printed.] Whoever desires to look carefully into the full data of the investigation is referred to the report; it will be sufficient to communicate at this time the essential contents of the report.

"The most important result of

the investigation now ended is the complete confirmation of the conclusions drawn after two years, by the four-year results. Neither the four-year observation of the pats, nor the measurement of the expansion, nor the strength of the ten brands of cement tested, which were all rated as unsound by the accelerated methods, gave occasion for regarding the brands as unserviceable for practical use. Corresponding with this result was the behavior of objects made from the cements and exposed to the weather for four years. These objects are on a frame 13 feet high, where they are exposed to all climatic influences. Rainwater and snow can collect in the recessed parts, while the raised parts dry out. The surface conditions are therefore very unfavorable, yet the objects have shown no alterations worth mentioning during the four years. The fine cracks noticed even in the early months of the hardening are disappearing cracks, which readily occur in the open air with the best of cements.

"On the basis of its investigations the committee must designate as erroneous the assertion that the accelerated tests for soundness furnish a universally more correct indication of the serviceability of a cement than the standard test. Hence the standard test must

be retained as the decisive test of the soundness of Portland cement.

"I must come back to one point again. In the report submitted two years ago, the commission expressly

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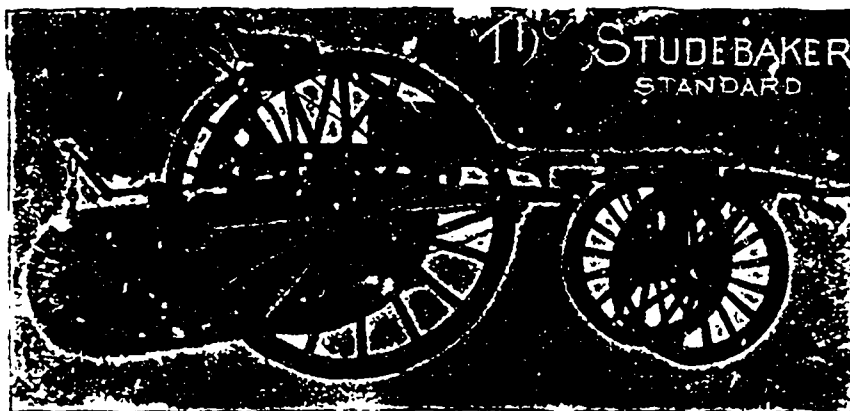
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declared its intention to carry on further investigations, and called on the sponsors for accelerated tests for suitable samples of such cements as passed the standard test, did not satisfy the accelerated tests and were unsound in actual use. Although the time for the receipt of such samples was put back until October 1, 1900, neither the commission nor the Testing Laboratory received any communications or corresponding cement samples.

"The commission therefore regards its task completed with regard to soundness."

After a short discussion it was voted to adopt as the opinion of the Society the statement that it is a mistake to consider the accelerated tests for soundness furnish a more accurate indication of the applicability of a cement for practical use than the standard test.

Hardwood spikes or spike plugs are being tried on several railways in France to increase the holding power of ordinary and screw spikes when driven into ties of Baltic pine and other soft woods. Holes about 1.37 in. in diameter are bored in the tie and tapped to receive screws of hardwood 1.37 inch diameter at the bottom and 2 inches at the top, each with an iron band to prevent splitting. The wooden screws are hollow, and the iron spikes or screw spikes are driven into them. The increase in holding power is said to be from 30 to 40 per cent. for new pine ties, and in old ties it is from 33 per cent. for beech to 62 per cent. for oak and 80 per cent. for pine.

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 insure 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.

W. O. Robertson, brick manufacturer, Woolwich township, is announced to have

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Highest Class Portland Cement.

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Output 1900—one million barrels.
Used extensively in construction of the Chaudiere Dam.

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Correspondence invited.

GEO. S. KILBOURN, Secretary-Treasurer.

WORKS: Shallow Lake, Ont. - HEAD OFFICE: Owen Sound, Ont.



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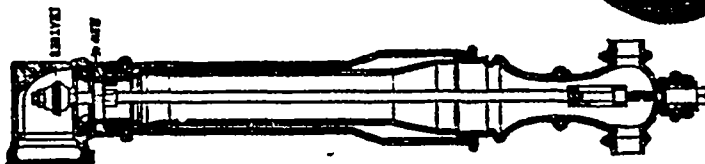
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Dredges, Ditchers, Derricks and Steam Shovels
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Engines, Suspenders, Cableways,
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THE PHOENIX BRIDGE & IRON WORKS have re-
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Capacity, 4,000 Barrels every day in the year.

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Absolutely the most popular cement in Canada on account of
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MUNICIPAL DEPARTMENT

LEGAL DECISIONS AFFECTING MUNICIPALITIES.

Justice Lount, of Toronto, has handed out a decision in Gloucester Township vs. Canada Atlantic Railway Co., in a special case heard at Ottawa, giving plaintiffs all relief they ask with full costs. Action was for an injunction to restrain defendants from obstructing the highway between the 5th and 6th concessions of the Township of Gloucester, with fences on either side of the tracks of defendants where they cross the highway, and for a mandatory order compelling the removal of the fences. The defendants contended that the highway in question being a highway in law and not in fact—that is an open public road used and travelled upon by the public—it is not a highway within the meaning of the railway act.

GOOD ROADS CONVENTION.

The convention to be held at Ottawa next month under the auspices of the Eastern Ontario Good Roads Association promises to be of a most instructive nature. It will last two days.

One of the morning sessions will be devoted to a thorough discussion of the statute labor system. In this connection speakers will be present from a number of township which have commuted statute labor, who will describe the new systems they have adopted and show how they have worked out.

On the following morning a talk will be given on the use of concrete culverts and arches, and figures will be given showing their cost of construction as compared with wooden structures. It is possible some sample pipes may be made right at the convention. Sample pieces of road making machinery will also be on hand. Their uses and cost will be described by an expert. In this connection crushed stone of various sizes will be on the platform to show the size of the stone that should be spread on the road.

The afternoon sessions will be devoted to discussions in regard to

county systems of road. Speakers will be present from the counties of Hastings and Huron, which have several hundred miles of stone road, who will describe how these roads were secured, what they cost, how long it took to build them and how they are maintained.

A discussion will be held after every address to give the people present an opportunity to ask as many questions as possible.

All the county and township councils of Eastern Ontario are invited to send representatives.

Mr. Cowan, the secretary of the Good Roads Association, states the convention will be the most important event of the kind ever held in the Dominion.

MACHINE FOR CUTTING BLOCKS.

With all the improved methods for stone working that have been perfected paving blocks are still gotten out by hand by the same method that has been followed ever since they were first introduced. A New Zealand man, Mr. Pierce

Laugan, has just invented a machine to do this work. It consists of a stationery chisel on which the stone is placed, while another chisel worked by a steam hammer cuts the stone from above. It is said that the machine breaks the stone with wonderful accuracy and great rapidity. A trial was recently made in the presence of a number of contractors, and a pile of blocks were finished in a few minutes. In this case a local stone was used. It may not have been as hard as granite, but there would seem to be nothing in the nature of the latter stone which would prevent the same principle being applied in the getting out of granite blocks.

John Galt, C. E., M. E., of Toronto, has devised a new and simple system of natural ventilation in sewers, which he claims is thoroughly efficient and as near perfection as possible. The plan involves very little additional expense in designing a new system. We understand he proposes to patent it in various countries. As the question of sewer ventilation is a very old one and becoming more important every day, any satisfactory solutions are of great interest.

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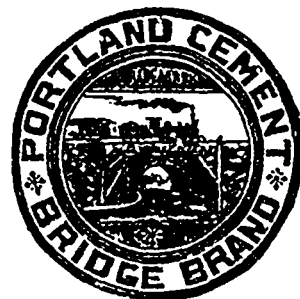
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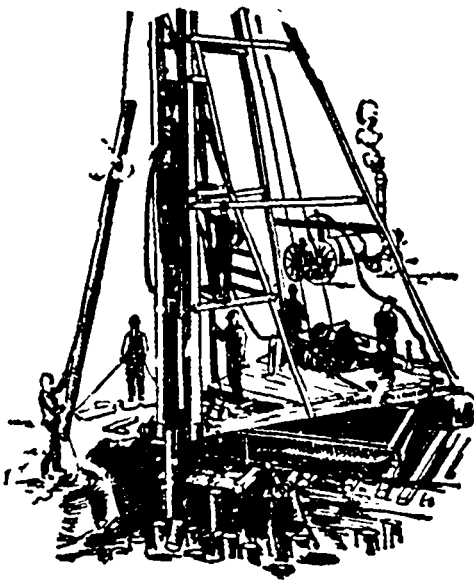
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LON VALLEY PRESSED BRICK WORKS

Table listing prices for various types of pressed bricks like No. 1, 2, and 3, Buff, Roman, and Hard Building.

TORONTO PRESSED BRICK AND TERRA COTTA WORKS

Table listing prices for F.O.B. Milton, Ont. and F.O.B. Montreal, including Red No. 1, Buff No. 1, Brown, Roman Red, and various paving bricks.

BEANSVILLE BRICK AND TERRA COTTA CO.

Table listing prices for F.O.B. Beansville and F.O.B. Montreal, including Red Peerless Facing, Buff, Brown, and Roman Red.

Index to advertisements listing various categories such as Architects, Contractors' Plant and Machinery, Masons, Grates, and Refractories, with corresponding page numbers.

Table for Beansville, Montreal, listing prices for Buff Peerless, Roman Red, and various paving bricks.

STONE

Table listing prices for various types of stone like Common Rubble, Large Size Rubble, Granite, and Marble.

Table listing prices for F.O.B. Halifax, including Dimension stock granite and Paving sets.

CREDIT VALLEY STONE

Table listing prices for F.O.B. Quarries, including Rubble, Brown Courting, and Grey Courting.

Table for SLATE, listing prices for various types of slate like Red, Purple, and Black Slate Roofing.

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Table listing prices for Portland Cement, Lime, and other building materials.

ARCHITECTURAL PAINTS

Table listing prices for various architectural paints and colors.