# CANADIAN **Contract Record**

A Weekly Journal of Public Works, Tenders, Advance Information and Municipal Progress

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

- DECEMBER 13, 1905 - WINNIPEG, VANCOUVER TORONTO, MONTREAL

No. 41

#### THE CANADIAN CONTRACT RECORD

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536 Hastings Street, Suite 3, Vancouver, B. C. Telephone 1943. 22 Great St. Helen's, London, England.

TENDERS

will be received up to the form OF JANUARY, took, by Messra, Darling & Pearson, Architects, Toronto, for the erection of Bank Premises for the Imperial Bank of Canada at Essex, Ontario, Plans and specifications may be seen at the offices of the Bank in Essex St. Thomas, or Woodstock, or at the office of the Architects in Toronto, from whom all other information may be obtained.

### **Tenders For Debentures**

Tenders will be received by the undersigned up til 6 p.m., MONDAY, DRCEMBER 1871, 1905, for: A. \$35,500 4½ per cent. 20 years debentures. E. \$40,000 4½ per cent. 30 years local improve-mall of the Town of Perth, Ont. The Council of the Town of Perth do not bind themselves to accept the lowest or any tender. For further information apply to J. A. KERER, Town Clerk. C. J. FOY, Mayor.

#### **CITY OF FREDERICTON**

### NOTIGE TO BIDDERS FOR **GONSTRUGTION OF SEW-**ERAGE SYSTEM

Sealed bids will be received at the City Clerk's office, Fredericton, N. antil 8 o'clock on the evening of THURSDAY, THE TWENTY-FIRST DAY OF DRCEMBER INSTANT, for the con-struction of a Sewerage System including approximately the following items: Trench excavation, st.ooo cubic yards; pipe laying (8 to 18 luckes in diameter) \$\$,500 linear feet; brick masoury, 590 cubic yards. Each bid must be accompanied by a certified bank cheque for \$4,500. A bond in the sum of \$4,000 will be required for the performance cf contract. Plans and Specifications in detail to be seen at the City Clerk's Office, Fredericton. The City reserves the right to reject any or all bids ot to accept any bid. (Sgd.) J. W. MCCREADY, Fredericton, N.B., Dec, 5, 1985. City Clerk.

#### WANTED

An Architectural Draughtsman, to commence work on or before January 1st, 1906. State ex-perience and salary expected. Address "Archi-tect." care CONTRACT RECORD, Toronto.

## **Debentures** for Sale

The Town of Red Deer, Alberta, have the following Municipal debentures for sale :--\$10,000 ten years bearing 5%. \$4,000 five ''. 5%. Tenders for the value of the sale of the sale of the Tenders for the value of the sale o

L. C. FULMER, Secty.-Treas.

#### CONTRACTS OPEN.

SHEDIAC, N. B.- Senator Poirier will probably rebuild his flour mill in the spring.

PORT ARTHUR, ONT .- The Board of Education have selected sites for two new schools.

KINGSVILLE, ONT.-Dr. Andrew Wigle intends erecting a business block adjoining the Grenville block.

WETASKIWIN, N.W.T.-The To proposes to divert the course of the Big Stone creek, at a cost of \$7,500.

LADYSMITH, B.C.—Dr. Reynolds has submitted a proposition to the Coun-cil to install an electric light plant.

SARNIA, ONT .- A by-law to debentures for \$8,000 for construction of drain will be voted on January 1st.

CHARLOTTETOWN, P. E. I.—The Prince Edward Island Railway power house and car sheds will be rebuilt.

CARBERRY, MAN.—A proposition has been received by the Council to install an electric lighting plant, to cost \$15,500.

PERTH, ONT.-H. W. Brick, of the Henry K. Wampole Company, intends building a new residence on Drummond street west.

HALIFAX, N.S.-R. S. Lessel, archi-tect, has just taken tenders for alterations and additions to an office building for Dr. A. W. Cogswell.

GEORGETOWN, ONT. — The County Council have decided to purchase a road rolier and stone crusher, at an approximate cost of \$1,600.

SUDBURY, ONT.—Bids are invited by S. Fournier, Town Treasurer, up to 20th inst., for purchase of \$23,500  $4\frac{1}{2}$  per cent. 20 year debentures.

PARRY SOUND, ONT. - The Council will engage an engineer to prepare plans and specifications for necessary improvements to the electric light plant.

LISBURN, ONT .- William Lindsay will receive tenders up to February 1st

for supply of a 20 horse-power boiler for the Huron Cheese Company.

the Huron Cheese Company. PICTON, ONT.—It is proposed to build a new High school.—The Public Library Board are being urged to ask Andrew Carnegie for a grant for a new public library. ORILLIA, ONT. — The Provincial Board of Health have approved of the proposed sewerage system, which will go to a vote of the ratepayers. ST BONIFACE MAN It is new

ST. BONIFACE, MAN.—It is now finally settled that the construction of the new cathedral will be proceeded with in the early spring; estimated cost, \$250,000.

FORT WILLIAM, ONT. — Arthur Vickers states that the owners of two corners on May and Victoria avenues intend erecting new buildings in the spring.

CAMPBELLFORD, ONT —A reso-lution was introduced in Council last week recommending that \$60,000 be raised for developing the water power at Crow Bay

Taised for developing the latter plant of Crow Bay. LUCAN, ONT.—A by-law to grant S. Gibson & Sons a bonus of \$1,200 towards the rebuilding of their planing mill and sash and door factory was defeated here last week

MOOSE JAW, N. W. T.-The Trus-tees of the Methodist church, at a meeting last week, decided to proceed with the work of building a new church, to cost \$35,000.

SYDNEY MINES, N.S.—The Nova Scotia Steel and Coal Company intend to open a new colliery about a mile north of the present No. 3 colliery, to be operated by electricity. GRAND FALLS, N. B.—Hon. R. W.

Scott, Secretary of State, has given a de-cision in favor of the Grand Falls Power

Company in connection with the develop-ment of a water power here. TILBURY, ONT.—The Townships of Raleigh and Tilbury East propose to expend \$25,000 in repairing the dykes and embankments and have asked the Ontario Government te assist.

Ontario Government te assist. PEMBROKE, ONT. — The Council propose to construct a steel bridge across the Muskrat river at Mary street, at a cost of \$25,000. The electors will vote on the proposition on January and. KINGSTON, ONT.—A deputation from this city last week asked the Minister of Education for Ontario to provide \$75,000 for a biological building in connection with Queens University. HURDMAN'S BRIDGE ONT

HURDMAN'S BRIDGE, ONT. --James Young, manager of the Don Val-ley Fertilizing Company, has made application for permission to erect a fertilizing factory and abattoir, to cost about \$12,000.

factory and abarton, to contact the source of the second 000 and \$15,664 respectively .- Tenders

will likely be asked for the sinking of test wells for waterworks purposes.

STAYNERVILLE, QUE. — The B)ard of Railway Commissioners have approved of the location plans for a railway four miles in length from this place southerly and westerly to Brunet's Corners.

DUNDAS, ONT. — The Town is offering for sale \$10,000 of debentures'issued for waterworks improvements.—A vote of the ratepayers will be taken on a bylaw to raise \$16,500 for a new High school building.

STRATHCONA, N. W. T. — W. H. Sheppard is having plans prepared for a fine building to be erected on his property between the Strathcona House and the Dominion Hotel, to consist of bank offices and stores.

FREDERICTON, N.B.—J. W. Mc-Cready, City Clerk, will receive tenders up to Thursday, 21st inst. for the contruction of a sewerage system, in accordance with plans prepared by Engineer Barbour.

STRATFORD, ONT.—J. M. Beutter intends erecting a four-storey building between the Albion and Roffey blocks.— The by-law to provide \$57,000 for storm drainage will come before the electors on January rst.

BALMY BEACH, ONT.—The members of the Kew Beach Presbyterian church have purchased a site immediately to the north of the present site and intend erecting a church and school roomto cost \$10,000.

CACHE BAY, ONT.—It is understood that the Grand Trunk Railway Company have entered into a arrangement with the Ontario Government whereby the Company will erect a handsome hotel here.

KILLARNEY, MAN,—Tenders for erection of a four roomed brick school house will be received by Charles Bate, Secretary-Treasurer, up to Thursday, 28th inst. Plans by J. H. G. Russell, architect, Winnipeg.

PETERBORO, ONT.—The survey for the proposed new C.P.R. grain route from Midland to this city was commenced last week.—W.E. Fuller, of New York, will report to the Town Council on a water filtering system.

GUELPH, ONT.—Allan Hazen, the New York expert, estimates the cost of constructing a sand water filter at \$61,150, and a mechanical filter plant at \$48,500. He makes no recommendation as to which system should be adopted.

BROCKVILLE, ONT. — C. S. Cossitt and H. A. Stewart will receive tenders up to January 1st for making alterations and improvements in connection with the opera house and the erection of a fire hall. Plans at office of B. Dillon, architect.

BRANTFORD, ONT. — The Bell Telephone Company have purchased property on Dalhousie street on which to erect their proposed office building.—The Brantford Carriage Company have decided to build an addition to their present works.

PRINCE ALBERT, N.W.T.—The Town Council are taking steps towards the development and utilization of the waterpower at Coal Falls.—Mayor Cowan has pointed out that the Council should consider means for a systematic extension of the waterworks mains and sewers.

GRAND FORKS, B.C.—It is reported that the Kettle Valley Railway will immediately complete the surveys of that road as far as Franklin camp.— Plans are being prepared for a new hotel to be located on the property now occupied by the British American Trust Company on Bridge street. It will be owned by L. A. Manly.

MIDLAND, ONT.-T. I. Trueman, Town Clerk, will receive bids up to 20th inst. for the following debentures: \$20,-920 forty year 4½ per cent. issued for purpose of constructing sewers; \$6,000 forty year 4½ per cent. issued for same purpose; \$5,000 thirty year 4½ per cent. issued for completing the High school building.

BARRIE, ONT.—A by-law to raise \$6,000 for construction of cement sidewalks and \$2,500 for permanent road improvements will be submitted to the electors on January 1st, also a by-law to provide \$1,500 for installing a heating system in the fire hall and an electric fire alarm system throughout the town.

HAMILTON, ONT.—The Board of Education have secured an option on the block bounded by Canon, Chestnut, Wilson and Gibson streets as a site for a new school. – John Stirton has been granted a permit to build a  $\$r_1$ 800 brick residence on Wilson street.— Fowler's Canadian Company have purchased the Harris abattoir and purposes making extensive additions.

BELLEVILLE, ONT. — Hastings County Council have purchased the Henderson property in the eastern limits of the city for the purpose of building a House of Refuge. Tenders will be asked for immediately and work be done next spring.—The Corby Distillery Company intend spending nearly a million dollars in additions and improvements to their distillery at Corbyville.

GODERICH, ONT. — The Town Council have decided to submit a by-law to the electors to guarantee the bonds of the Godernch Elevator Company to the amount of \$35,000 in consideration of the erection of an additional building of 500. 000 bushels capacity.—C. H. Rust, C.E., Toronto, has recommended a mechanical filter for the purification of the water supply of this town, cost about \$10,000.

CALGARY, N.W.T.—The C.P.R. are now arranging to develop the Kananaskis Falls, in the Eow river, and propose to transmit power to this city, about six'y miles.—Boring operations for for natural gas will be undertaken immediately, the necessary capital having been subscribed.—The City Council are considering the extension of the electric light plant, at a probable cost of \$20,000.

QUEBEC, QUE. — The Canadian Pacific Railway Company are negotiating for the purchase of property on Dalhouse street, near the river, for the erection of offices, etc.—A firm of railway and steamships operators have submitted to the Board of Trade an offer for their bu lding on the corner of St. Paul and Dalhousie streets, and if the offer is accepted the purchasers intend building an imposing block.

VICTORIA, B.C. — The Victoria opera house has been leased by the Northwestern Theatrical Association and E. R.' Rickets has been appointed Canadian Pacific Railway Company, who have agreed to expend \$25,000 in remodelling and refurnishing.—The C.P.R. will make extensive improvements to their coast division during the coming year. Several hotels will be enlarged, including the Vancouver.

ST. JOHN, N.B.—Col. H. H. Mc-Lean, who attended a meeting of the New Brunswick Southern Railway in New York last week, states that Russell Sage intends to complete by next year the extensive repairs now ordered with a view to making through communication with Boston. Extensions are to be completed at both ends of the road, and it is said that the expenditure will be \$250,000. - Eben Perkins has resigned as manager of the Maritime Nail Works and intends forming a company to build a new nail mill.

WINNIPEG, MAN.-H. C. Stone, architect, is preparing plans for the new theatre to be built on the corner of Smith street and Ellice ave.; estimated cost, \$200,000. - R. Bickerdike, M.P., and other officials of the Bank of Hochelaga, Montreal, were here last week arranging for a site on which to erect a bank building.-The Empire Elevator Compa y will build another elevator midway between Port Arthur and Fort William.--Pians of brick school house to be built a: Killarney, Man, may be seen at the office of J. H. G. Russell, architect, this city. Tenders close December 28tb.

OWEN SOUND, ONT-—The ratepayers on Saturday last defeated the bylaw to raise \$150,000 for waterworks purposes. The by-law to expend \$12,000 for the erection of a bridge over the Sydenham river on Poullet street was carried by a small majority.—The Keenan Wooddenware Manufacturing Company have submitted a proposition to the Town Council to extend their factory. They ask for a loan of \$25,000, in return for which they agree to add a third storey to the present main building and erect a new two-storey wing 40×70 feet, at a cost of \$1,000.

VANCOUVER, B.C.—A large addition is to be made to the retail stores of the Hudson's Bay Company in this city. —The Oriental Pulp, Paper & Power Company have let the contract for 10,-000 piles to be used in the construction of their mills, and it is evidently the in tention of the Company to proceed with the work at once.—It is expected that the construction of the Pacific, Omenica & Northern Railway will be commenced from Kitamaat next spring by the Grand Trunk Pacific Railway authorities. — Robert Ward & Company, Limited, have purchased several lots at the northeast corner of Hastings and Howe streets and intend erecting thereon an eight-storey steel office building, the plans for which are now being prepared.

LONDON, ONT.—Tenders are invited up to 16th inst. for construction of a tile drain at Melrose. Plans at office of F. W. Farncombe, C.E., Bank of Toronot building, this city.—The Board of Education have purchased property on Colborne street for a kindergarten school. —A. O. Graydon, City Engineer, states that he considers the erection of a new fire station in the north end of the city would be better that the purchase of a steam fire engine.—The County Bridge Commissioner has been instructed to prepare plans for the following work: A new concrete and steel bridge on the line between Caradoc and Metcalfe, known as Cemetery bridge; a new concrete breakwater between Delaware and Garadoc; also steel joist and tubular railing for Waubuno bridge, over the river Thames, between North Dorchester and Westminster

OTTAWA,ONT. — A by-law to authorize the construction of a macadam roadway from St. Patrick street bridge to Beechwood avenue, and to issue \$15,000 of debeatures for the purpose, will be submitted to the ratepayers January and. —Carleton County Council will likely issue \$20,000 of debentures to pay for bridges constructed this year and to be built next year.—The plans prepared for the new Fat Stock Show building have been approved by the Minster of Agriculture, and tenders for construction will be invited in the near future.—The New York Central Railroad have purchased the North Lunark Railway charter. The survey is completed and it is probable that construction will be started imDecember 13, 1905

CANADIAN CONTRACT RECORD

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December 13, 1905



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#### December 13, 1905

club and boat-house for the Island Amaclub and boat-house for the Island Ama-tuer Aquatic Association; estimated cost, \$4,000.—Lump tenders are wanted by the 15<sup>th</sup> inst. for the reconstruction of houses at 76 and 78 Turner ave. Plans at 733 King street west.—The First Bap-tist (.hurch have secured the site at cor-ner of University and Edward streets on which they will exect a new church the which they will erect a new church, the plans for which are now being prepared. —The Council of the Ontario College of Pharmacy have decided to take no immediate action towards the erection of a new building.—The Board of Control have authorized the calling of tenders for the Implement and Process buildings at the Exhibition grounds. They have also endorsed the proposal to build a new High school in Riverdale, work to be commenced in the spring.—The plans for the new military buildings in this city for the permanent corps have been com-pleted at Ottawa and tenders will shortly be invited. Over twenty brick and stone be invited. Over twenty brick and stone buildings are to be erected, at a cost ex-ceeding \$400,000.—Tenders are invited by the Board of Control up to Tuesday, 19'h inst. for construction of the follow-ing sewers: Olive ave., from Manning ave. to Palmeston; Crawford street, from Logan to west end; Armstrong ave., from Logan to west end; Armstrong ave., from Logan to west end; Armstrong ave., from Dufferin to west end; St. Clair ave., from Avenue road to Oriole road; Oriole road, from St. Clair ave. to Lons-dale; Shaw street, from Bloor to Du-pont street; Adelaide street, from Bay to York.—Heinizman & Company contem-plate erecting a ten-storey building at 1%2 Vores street the site now occupied 187 Yonge street, the site now occupied by McDonald & Wilson. The present lease expires in about two years.—The Police Commissioners have approved of the site for a new police station on Pape the site for a new poince station on Pape avenue, just above Queen street.—It is officially stated that the erection of an extensive steel grand stand in the Var-sity atheletic field has been decided up-on-The Gity. Events and the state of the state on.-The City Engineer has completed his report upon the proposed abolition of grade crossings between the Humber river and Bathurst stre t. The work would include the construction of bridges and is estimated to cost  $\$_{1,000,000}$ . The Toronto Railway Company contem-plate erecting car barns and repair and storage shops near the corner of Bath-urst street and Barton avenue.—The Ontario Electric Railway Company last last week submitted to the Board of

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#### CANADIAN CONTRACT RECORD

Control a draft agreement for entrance into the city. The company, which is represented by A. B. Turner, hold a charter for an electric railway from this city to Cornwall.—The Home Bank have bought the property on north-east corner of Queen and Bathurst streets and will build a branch bank on the site, three stories, brick and stone, banking rooms finished in quartered oak, marble, tile, and brass work, cost about \$20,000.— The Bank of Hamilton will erect a \$25.-

ooo building on south-west corner of College street and Ossington ave.—The

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Portland Cement, Sewer Pipe

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December 13, 1905

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Canada Cycle & Motor Company will likely enlarge their building at corner of Bay and Temperance streets. — The Board of Control are asking for tenders up to Tuesday, January 2nd, for the erec-tion of an Implement and Process build-ing on the Toronto Exhibition grounds.— Building ensmite how here worded or tion of an Implement and Process build-ing on the Toronto Exhibition grounds.— Building permits have been granted as follows: Geo. C. Craig, 2-storey stone and brick dwelling, Galley ave., \$4,800; J. Kane, 2-storey and mansard roof brick and stone hotel, corner King and Queen streets west, \$4,500; W. L. Richardson, 2½-storey brick and frame dwelling, Farnham ave., \$4,000; Alex. Whyte, 2½-storey brick dwelling, Olive ave. \$4,500; L. C. Sheppard & Co., 7 pair 2½-storey brick dwellings, corner Wellesley and Sumach streets, \$28,000; L. C. Sheppard & Co., 3 pair 2-storey frame and rough-cast dwellings, corner Yalmerston and Olive aves, \$8,400; I. C. Sheppard & Co.; Beiling, Cowan ave., \$2,-storey brick awd stone dwelling, Palmers-ton boulevard, \$4,000; I. L. Maude, 2-storey brick dwelling, Cowan ave., \$2,-500; W. C. McTaggatt, 2-storey and mansard brick store and brick dwelling, Corner Bloor and Givens sts, \$5,000; J. S. Sharp, 2-storey and attic stone and brick dwelling Bloor and Givens sits, \$5,000; J. S. Sharp, 2-storey and attic stone and brick dwell-ing, Grace st., \$3,000; Consumers' Gas Co., I-storey and basement brick and steel valve or governor house, Trinity st., \$15,000; Douglas & Chambers, brick alterations to hotel, Yonge st., \$3,000; J. J. Palmer, 2-storey and basement brick and stone skating and hockey rink, 78-80 Mutual st., \$2,000; Henry Halls, 2-storey brick residence, Boustead ave., \$2,600; Stauntons Limited, I-storey factory, 938 Yonge st., \$30,000; W.Mumford, 2 storey and attic stone, brick and slate store and dwelling, Bathurst st., near Follis st., dwelling, Bathurst st., near Follis st., \$4 500.

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#### CONTRACTS AWARDED.

ST. THOMAS, ONT.-Office building for Ellison & Lewis : Masonry, A. Horton; carpenter work, Green & Company ; plumbing, F. Cooke.

WINNIPEG, MAN. — The Western Canada Flour Mills Company have let the contract for the electrical equipment of their new flour mill to Allis-Chalmers-Bul-lock, Limited, Montreal.

MONTREAL, QUE. — Archibald F. Byers has secured the contract for the construction in reinforced concrete of a 60,000 gallon water tank in the Bank of Montreal, to be used for hre protection purpo

NEW WESTMINSTER, B.C. — Rob-ert Buckla d and J. Carter-Smith have been awarded the contract by the Domin-ion Government for the construction of new Indian and Fisheries building on Mcof



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Kenzie street, to be stone and pressed brick, two stories and basement.

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COLLINGWOOD, ONT. -- The Collingwood Shipbuilding Company have been given a contract by James Playfair, of Midland, to build a steel cargo steamer, and by the Montreal Transportation Company to build a steel tow barge.

WELLAND, ONT.—The Town Council have let the contract for excavating, pipe-laying, etc., for waterworks extension to J. H. McKnight, Toronto, at the following prices: to inch, 38 cents; 8 inch, 30 cents; 6 inch, 27 cents; 4 inch, 22 cents. The contract for cast iron pipe and special castings was let to the Gartshore-Thomson Pipe & Foundry Company, of Hamilton, at \$32 per ton for to inch and 6 inch pipe, and 3 cents per pound for special castings, f.o.b. Welland. TOPROTO\_ONT\_\_\_The constrant for

special castings, f.o.b. Welland. TORONTO, ONT.—The contract for the supply of cement for the city has been awarded to the Belleville Portland Cement Company at  $\$.67^{1}_{2}$  per barrel of 350 lbs. net weight. There were six tenders in all, ranging from  $\$.67^{1}_{2}$  to \$.40 per barrel. The contract for lumber and timbers and cedar paving posts was awarded to Reid & Company, and that for lumber for repairs to wharves and bridges to Ar 'hur Bryce. The Hagersville Contracting Company secured the contract for broken stone at \$..23 per ton f.o.b. cars.

The name of the Cobban Manufacturing Company, Toronto, has been changed to the Phillips Manufacturing Company, Limited.



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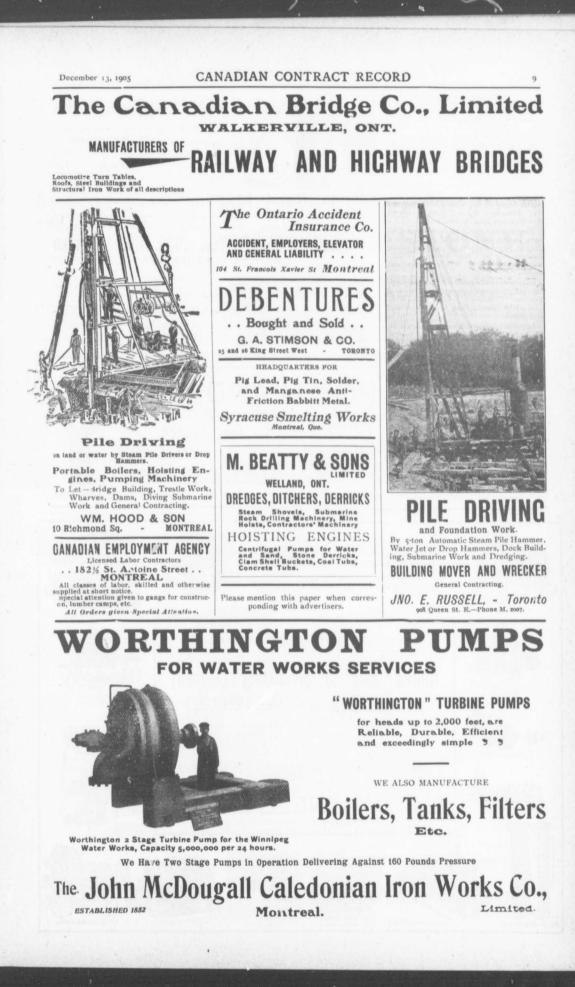
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December 13, 1905



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December 13, 1905

#### NEW COMPANIES.

Petrolia Gas Company, Limited, Petrolia, Ont., incorporated, capital \$40,-000. Directors, W. C. Noxon, Charles Swabey, and others.

Swatey, and others. St. Mary's Hardware Company, Limited, St. Mary's, Ont., incorporated, capital \$40,000, to carry on a hardware business. Directors, J. W. Peart, W. H. Bartlett and Nelson Mulloy.

Lyon & James, Limited, Toronto, incorporated, capital \$40,000, to carry on the business of engravers, lithographers etc. Directors, W. R. P. Parker, George N. Clark and John M. McEvoy.

The Delta Chi Chapter House, Toronto, incorporated, to build or acquire a chapter house for use of members of the Law Society of Upper Canada. Directors, Frank Ford, W. W. Livingstone, and others.

Stinson-ReebBuilders' Supply Company, Limited, Montreal, incorporated, capital \$20,000. Promoters, J. K. Stinson, Montreal, J. A. Reeb, Port Colborne, Ont., and others.

Imperial Rattan Company, Limited, Walkerville, Ont., incorporated, capital \$40,000, to manufacture furniture, fixtures, etc. Directors, H. W. Strudley, J. S. Rogers, and G. H. Bancroft.

Sovereign Cobalt Mining Company, Company, Limited, Toronto, incorporated, capital \$200,000. Directors, P. J. M. Horrocks, W. A. Smiley, and F. J. Stanley.

ley. Western Machine Company, Limited, Toronto, incorporated, capital \$40,000, to manufacture producer gas plants, steam engines, and general machinery. Directors, George McLachlan, B. Thompson, and W. T. Folliott.

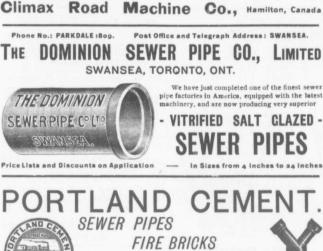
Majestic Polishes, Limited, Toronto, incorporated, capital 40,000, to manufacture varnishes, paints and polishes. Directors C. G. Armstrong, Thomas H. Wilson, and others.



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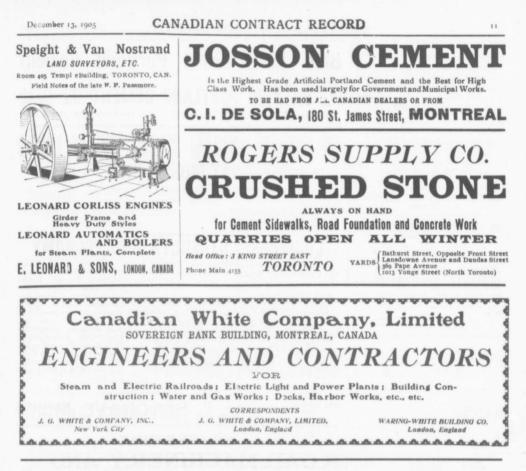
FIRE CLAY



ALEX. BREMNER

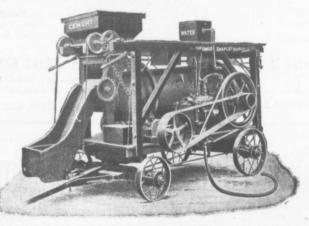


10



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December 13, 1905 14 MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS John H. Jackson A. W. CONNOR B.A., C.E., (Tor.) A. Mem. Can. Soc. C. E. WILLIS CHIPMAN Hon. Grad. McGill University. M. Can. Soc. C.E. M. Am. Soc. C.E. Mem Am. W.W. Ass'n. **CIVIL ENCINEER** WATER POWER, ELECTRIC RAIL-STRUCTURAL ENGINEER WATERWORKS, SEWERAGE WORKS, GAS WORKS, ELECTRIC LIGHT AND POWER PLANTS Reports, Surveys, Construction, Valuations WAYS, STRUCTURAL STEEL. Fireproof Steel Office and Mill Buildings, Bridges, Towers, &c. Reinforced Concrete, Niagara Falls, Canada CEMENT TESTING LABORATORY Associated with Charles H. Mitchell, C. E., Hydraulic Engineer. **103 BAY STREET - TORONTO** 36 TORONTO ST. TORONTO, ONT Cable : Ackcoll 300 MEN J. J. COLLINS Employed in cement walks,kerb and gutter, Pav B.A.S., C.E., M.E., E.E. ing and Building Construction. We can do work QUICKER, CHEAPER, BETTER, than small con-**Consulting Engineer** tractors. Ottawa, Ont., Canada FOREST CITY PAVING COMPANY, LONDON, ONT B. V. HOLE, MANAGER LEA & COFFIN and H. S. FERGUSON **CRECOR &** ENGINEERS 67 to 91 Pearl Street, Toronto, Ont, Waterworks, Sewerage, Water Powers Pulp and Paper Mills STRUCTURAL IRON WORKS Fire Escapes, Library Racks, Sidewalk Door, Jail Cells, Iron Stairs, Railings, Etc., Etc. Coristine Building - MONTREAL SOLE ACENTS FOR DUPLEX HANCERS WRITE FOR ESTIMATES. RODERICK J. PARKE A.M. Can. Soc. C.E. A.M. Amer. Inst. E.E. PIPF CO CONSULTING ELECTRICAL ENGINEER. CANAD Riectrical Light and Power. Steam Plants, Gas Power Plants, Water Steam Plants, Gas Power Plants, Water Power Plants. Rstimates. Tests. Reports. Valuations, MANUFACTURERS OF sa-ss Janes Building - TORONTO, CAN. Long Distance Telephones-Office and Residence Cable Address "Rodparke" (W. U. Code.) VIRIAL STATE GIVE Please mention this paper when corresponding with advertisers. **Paving** Granite FOR Sewers, Culverts and Water Pipes Granite Sets for Street Paving. --CURBING cut to any shape ordered. -- Fine Rich Colors for Building and Monumental Purposes. Quarries, St. Phillipe d'Argenteuil, P.Q. Inverts for Brick Severs Address all communications to WRITE FOR DISCOUNTS JOS. BRUNET - COTE DES NEIGES, MONTREAL HAMILTON, ONT. TORONTO, ONT. ST. JOHNS, P.Q. "FACTS are better than ASSERTIONS" The Isthmian Canal Commission wisely demanded a special quality cement for the Panama contract let May, 1905. The sea water clause. while necessary to insure the work, was undoubtedly severe. One of the largest American Companies ties the bid of Alsen's. The Government awarded the contract to Am. Alsen's in preference, at equal figures. The bids are on record at Washington. Alsen's product has always been recognized as of higher average quality than any other brand. It is ultra high grade and a more practically portland. It has become known as the "absolutely safe cement.' Over 40 years experience catering to Engineers of all countries and superior raw material should count for something.

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December 6, 1905

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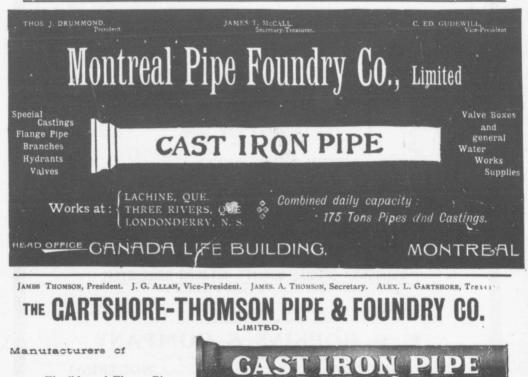
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