

# 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

VOL. 14.

TORONTO AND MONTREAL, FEBRUARY 3, 1904

No. 50.

## THE CANADIAN CONTRACT RECORD PUBLISHED EVERY WEDNESDAY

As an Intermediate Edition of the Canadian Architect and Builder.  
Subscription Price, \$2 per annum, payable in advance.

THE C. H. MORTIMER PUBLISHING COMPANY  
of Toronto, Limited,  
CONFEDERATION LIFE BUILDING, TORONTO.  
Telephone Main 2362.

Branch Offices:  
Imperial Building, Montreal,  
Telephone Main 2299.  
23 Great St. Helen's London, England.  
Advertising Rates on application.

## TENDERS FOR BRIDGE

Will be received by the undersigned on or before FRIDAY, FEBRUARY 10TH, for the erection of a superstructure for a bridge over the River Thames, on Adelaide Street, City of London. One span 160 feet; two approaches 50 feet each and 16 feet roadway. Plans and specifications may be seen at our office. Lowest or any tender not necessarily accepted.

MOORE & HENRY,  
London, Ont.

## NOTICE TO CONTRACTORS

Sealed proposals, marked "Bid for Portland Cement," will be received by the undersigned until NOON, FEBRUARY 15TH, 1904, for furnishing

**Twenty Thousand (20,000) Barrels  
of Canadian or American  
Portland Cement**

for The Electrical Development Company of Ontario, Limited, of Toronto, Ontario. Specifications are on file and may be seen at the Company's offices, Home Life Building, Toronto, Ontario, and Niagara Falls, Ontario, or at the office of F. S. Pearson, Dr. Sc., Consulting Engineer, 29 Broadway, New York City. The right is reserved to reject any or all proposals.

FREDERIC NICHOLLS,  
Vice President and General Manager,  
Home Life Building,  
Toronto, Ontario.

## Tenders Wanted SPRINGHILL WATER WORKS

Sealed tenders will be received, addressed to the undersigned, up till SATURDAY, THE 20TH DAY OF FEBRUARY next, at 8 p.m., for the supplying and construction complete, upon a foundation already prepared, of a

**Ice Storage Tank,**

25 feet diameter and about 50 feet high, according to plan and specifications which may be seen at the office of the Town Clerk, Springhill N.S.; at the office of Nova Scotia Fire Insurance Co., 164 Hollis Street, Halifax; or at the office of John Galt, Consulting Engineer, National Trust Building, Toronto.

Specifications will be mailed on application to any address, by the undersigned.

DANIEL McLEOD,  
Town Clerk.  
Springhill, N.S., Jan. 19, 1904.

## Debentures for Sale

Sealed tenders will be received by the undersigned up to 2 o'clock p. m. on MONDAY, FEBRUARY 15TH, 1904, for the purchase of \$20,000 Debentures of the Village of Elmira, bearing 4 per cent. interest, payable in twenty annual instalments.  
The highest nor any tender not necessarily accepted.

J. H. RUPPEL, Village Clerk.

## CONTRACTS OPEN.

HOPEWELL CAPE, N.B.—The new county court house will be built on the old site here.

SYDNEY, N. S.—A motion has been introduced into council to install a municipal gas plant.

GUELPH, ONT.—The Guelph Foundry Co. are just taking tenders for a new 4-story factory building.

PARRY SOUND, ONT.—It has been decided to build a two-room addition to the West Ward school.

SCARBORO, ONT.—Chas. Beldon has purchased a lot on Markham road on which he will build this year.

WATERLOO, ONT.—The congregation of St. Andrew's church have decided to build a new edifice.

SOUTH WOODSLEE, ONT.—Plans have been prepared for new Methodist church to be built here.

GODERICH, ONT.—Mr. Chisholm will build a residence on the old Passmore property on Victoria street.

REGINA, N. W. T.—Knox church congregation have appointed a committee to look after the erection of a new church. The pastor is Rev. J. J. Patterson.

TILBURY, ONT.—Henry Magee has purchased a lot on Carlisle avenue on which he will build a brick dwelling.

PETERBOROUGH, ONT.—The town has offered to furnish a site for the drill hall to be built by the government.

WALKERVILLE, ONT.—E. C. Walker, of Hiram Walker & Sons, will build an expensive residence this spring.

STRATFORD, ONT.—The North Perth Agricultural Society purpose taking steps to erect permanent buildings.

KEEWATIN, ONT.—The Keewatin Lumber Co. have decided to build a tie mill on the Burton property near this place.

GRAND BEND, ONT.—The estimated cost of the wharf to be built here, for which tenders close February 12, is \$22,000.

ELMVALE, ONT.—Rev. L. Foulkes desires tenders by February 15th for erection of a brick Anglican church. Plans at the rectory here.

ST. JOHNS, QUE.—The by-law granting concessions to the Singer Mfg. Co. to establish their factories here was carried by the ratepayers.

CHATHAM, ONT.—The City Council will shortly call for tenders for pavement work. An asphalt block pavement on Park street has been petitioned for.

STELLARTON, N.S.—The Intercolonial Railway desires tenders by February 8th for erection of shed for wrecking crane and a car repair shop at this place.

NIAGARA FALLS, ONT.—It is reported that the new Imperial Bank building at corner of Bridge street and Clifton avenue will be commenced early in the spring.

GLACE BAY, N.S.—Detailed plans of proposed harbor improvements have been submitted to the council by the Dominion Coal Co. The proposed work is quite extensive.

ACTON, ONT.—Electrician Caruthers will, at next meeting of council submit an estimate of the cost of installing an electric plant for light and power purposes.

HAMPTON, N. B.—Kings County Council has decided to make alterations to the court house, plans for which were prepared some time ago by J. T. McKean, architect, of St. John.

RED DEER, N.W.T.—A report on waterworks and electric light systems for this place has been prepared by John Galt, C.E., of Toronto. The approximate cost is placed at \$65,000.

CALGARY, N.W.T.—The new C.P.R. car shops to be built here will be commenced within a short time. The erection of a building to serve as general offices is also under consideration.

NEW WESTMINSTER, B. C.—Plans are being prepared for a two-storey brick and stone station to be built on Columbia street for the Vancouver, Westminster and Yukon Railway.

BRANDON, MAN.—The city has applied to the Provincial Legislature for power to borrow \$80,000 for extension of waterworks and sewerage systems. A new pumping station is contemplated.

NANAIMO, B. C.—The British Columbia Logging & Lumber Company have applied to the Board of Trade for a grant of a ten acre site on the water front on which to erect a saw and shingle mill.

STAYNER, ONT.—W. B. Henderson, Secretary Building Committee, will receive tenders up to February 6th for erection of brick parsonage here, from plans by P. C. Pain, architect, Collingwood.

BRANTFORD, ONT.—At the present session of the Legislature, Dr. Ickes, of this city, will seek incorporation for a company to build a radial railway between Brantford and Hamilton, running through Ancaster township.

LONDON, ONT.—Sterling Bros. have been granted a permit for rebuilding their shoe factory, five storeys high.—

Matthews & Murray, architects, are calling for tenders for plumbing of D. S. Perrin & Co.'s offices.

**OWEN SOUND, ONT.**—The town will be asked to loan \$15,000 to assist in rebuilding the factory of the National Table Company.—The Town Engineer has been instructed to advertise for tenders for sewer pipe.

**KINGSTON, ONT.**—Macdonell & Farrell, of this city, are offering for sale \$20,000 of debentures of the township of Wolfe Island.—The Dairy School cannot accommodate the students and a new building may be erected.

**WALKERTON, ONT.**—The Walkerton & Lucknow Railway Co. is seeking incorporation to build a line of railway from this town to the village of Lucknow. A. H. Macdonald, of Guelph, is solicitor for the applicants.

**ROSSLAND, B.C.**—Macdonald & Winn, of this place, are seeking incorporation for a company to construct a steam or electric railway from Crawford Bay, on Kootenay Lake, to a point near Fort Steele, East Kootenay district.

**INDIAN HEAD, N.W.T.**—John Galt, C.E. and M.E., of Toronto, has made a report to the town on a system of water supply by gravitation and on the installation of an electric light plant, the approximate cost being about \$85,000.

**PEMBROKE, N.S.**—The Dominion Government is asking for tenders up to 22nd inst. for construction of breakwater here. Cheque for \$1,000 to accompany each tender.

**STURGEON FALLS, ONT.**—Bids received by Thomas Fournier, Secretary R. C. Separate School Board, up to March 1st for purchase of \$8,000 thirty year debentures, money to be used to build a school house.

**KINGSTON, ONT.**—Frontenac County Council has notified the Grand Trunk Railway Co. to proceed to build the subway on the Montreal road, as agreed upon by the Railway Committee of the City Council; estimated cost, \$10,000.

**TORONTO JUNCTION, ONT.**—The Canadian Pacific Railway will proceed with the erection of a new brick and stone station here as soon as spring opens.—Chairman Hall, of the School Board, has recommended the building of an addition to the Western avenue school.

**OSHAWA, ONT.**—Voting on the by-law to provide funds for a system of waterworks and sewers will take place on March 5th. According to estimates made by Willis Chipman, C.E., of Toronto, the cost of waterworks will be \$111,000, and of sewers \$55,000.

**WINDSOR, ONT.**—A deputation from this county has asked financial assistance from the Ontario Government towards the construction of the Ruscomb drain, undertaken by the townships of Rochester, Mersea, Gosfield, and Tilbury West. The work will cost \$50,000.

**MONTREAL, QUE.**—There is a great demand for residential accommodation and it is believed that building operations will be quite active in this city during the approaching season.—The prospectus of the Montreal Technical Institute has been issued. It is proposed to erect a building to cost upwards of \$100,000.

**FORT FRANCIS, ONT.**—Incorporation is asked for the Fert Frances, Manitou & Northern Railway Co., to construct a railway from this place to a point near Big Sandy Lake, thence to the Albany river. Kerr, Bull & Shaw, 59 Yonge street, Toronto, are solicitors for the applicants.

**NORTH BAY, ONT.**—It has been practically decided to commence construction work in the spring on the pulp

mill to be built here by J. J. Warren, of Toronto, and associates.—A decision has been reached to erect a new Presbyterian church here during the coming summer, at a cost of \$10,000.

**EAST TORONTO, ONT.**—A special committee of the town council has recommended that debentures be issued to the amount of \$25,000, \$5,000 of which to be used to purchase a site for a factory for the Globe Furniture Co., of Walkerville, and the remaining \$20,000 to be given the company as a loan.

**LEAMINGTON, ONT.**—The Reeve of the township of Mersea and Alex. Baird, C.E., of this place, had an interview last week with the Ontario Cabinet regarding aid for a pumping scheme to drain the Point Pelee marsh and reclaim 6,000 acres of land. The work, part of which is under way, will be extensive.

**ST. CATHARINES, ONT.**—A conference took place last week between the city council and the officials of the Hamilton, Grimsby & Beamsville Electric Railway, with the view of arriving at a basis for extension of that road from Vineland to this city, a distance of about 8 miles. Bridges will have to be built across the Twenty-Mile Creek, Sixteen-Mile Creek, Fifteen-mile Creek, and the old Welland Canal.

**QUEBEC, QUE.**—Ed. Morin, wholesale druggist, has purchased the Weary property on Mountain Hill and has had plans prepared for a fine building to be built thereon, tenders for which will be invited immediately.—The Quebec & Lake St. John Railway Co. are considering the construction of a line from St. Gabriel station into the township of Gosford about ten miles.

**OSNABRUCK CENTRE, ONT.**—The township of Osnabruk is applying to the Ontario Legislature for a special act to consolidate the municipal debt, and to extend the time of payment to 30 years in the River aux Raisin drainage scheme. Debentures will be issued by the township for about \$10,000. The drainage scheme is not yet reported on, but will probably cost \$90,000, divided between the townships of Osnabruk and Cornwall.

**ALMONTE, ONT.**—A meeting of mill owners was held here last week to discuss the question of securing a better and more uniform water supply for power purposes. James Gillies and M. Brown, of Carleton Place, T. B. Caldwell, of Lanark, and B. Rosamond, of Almonte, were appointed a committee to obtain a charter for a company to undertake the necessary works. It is proposed to construct three concrete dams.

**FORT WILLIAM, ONT.**—It is reported that the Ogilvie Flour Mill Co. will this week let the contract for erection of elevator and mill at this place.—J. C. Stimson has plans prepared for a block for W. J. Ross on Simpson street.—R. S. Piper will build a brick residence on Syndicate avenue and T. M. Piper will build one on the same street.—E. O'Donnell will build a residence on John street and T. J. Walsh will probably build a double house on Syndicate avenue.—The residence of R. Smith on Archibald street will likely go ahead this year and will cost about \$7,000.

**KAMLOOPS, B.C.**—The necessary capital has been obtained by the Hotel Cecil Company to build a first-class brick hotel at the corner of Victoria street and Second avenue, to be three storeys and basement, with 35 bedrooms and other necessary accommodation.—W. R. Smith, representing C. B. Pride, mill architect and engineer, of Appleton, Wis., was here last week conferring with R. Case and E. F. Ferris, of Kingsley, Mich., who have organized the Western Pulp & Lumber Co. and purpose building

a pulp mill near this place. Mr. Smith will make surveys of different water powers in the vicinity.

**VICTORIA, B.C.**—The School Board will petition the city council to provide increased school accommodation.—The local Legislature has been asked to grant \$25,000 towards the establishment of a sanitarium in this province.—John Thompson and Livingston Thompson, of this city, are interested in the Alberni & Cowichan Railway Co., now seeking a charter to build a railway from Sarita to Cowichan Bay. The capital stock is \$200,000.—Improvements are shortly to be carried out on the Victoria and Sydney Railway. The track will be overhauled and new cattle guards put in.

**ST. JOHN, N. B.**—The trustees of Centenary church desire plans and estimates for a heating system for church and annex. Particulars from J. Clawson, Bank of New Brunswick.—Superintendent Murdoch, of the waterworks department, has reported on fire protection for Sand Point. He estimates the cost of a pumping plant at \$51,040, sprinkler system \$28,000, and extension of 8-inch pipe to Union street \$2,200.—It is understood that the Railway Transportation Commission will report at an early date upon the improvements which they consider necessary in the harbor here.—The St. Vincent de Paul Society of the Cathedral church have in contemplation the erection of a large building.

**VANCOUVER, B.C.**—The by-law to provide \$15,000 for civic improvements having been carried by the ratepayers, it is proposed to commence the construction of sewers and extension of waterworks system at once. Sewers will be constructed for the Dupont street section, part of the east end into towards Campbell avenue and a large section of Mount Pleasant. Two septic tanks are proposed, also another reservoir in the park, for which the City Engineer is now preparing the plans. About 300 tons of cast iron pipes will be purchased.—Livingston, Garrett & King, solicitors, of this city, will seek incorporation for the White Horse & Alsek Railway Co. to construct a railway from White Horse, in the Yukon Territory, to the International boundary, thence northerly to Dawson City.—The Canadian Pacific Railway Co. is applying to Parliament for an extension of the time within which it may commence the construction of a branch line from a point near New Westminster to a point near this city.—Tenders are about to be invited for the construction of the New England Fish Co.'s wharf at foot of Gore avenue.

**OTTAWA, ONT.**—An addition to McKay Presbyterian church, including a new pipe organ, has been definitely decided upon. W. B. Garvock will be asked for plans and estimates for the work.—The Finance Committee has recommended the construction of a new Fat Stock Building, the Government to be asked to authorize the raising of \$25,000 for that purpose.—J. K. Jones, Secretary Department of Railways and Canals, will receive tenders up to Thursday, 4th inst., for wire fencing required for the Murray canal.—Chrysler & Bethune, of this city, are solicitors for the Ontario Counties Railway Co., now applying for a charter to construct a railway from Ivanhoe, Ont., to a point near Agincourt.—A company is seeking incorporation to construct a railway from Ottawa and Hull to the town of Buckingham, thence up the River Lievre to James Bay, also a line from Buckingham to a point on the Ottawa river between Thurso and the town line of Templeton townships.—The city will borrow money to erect a building for the detention of juvenile criminals.

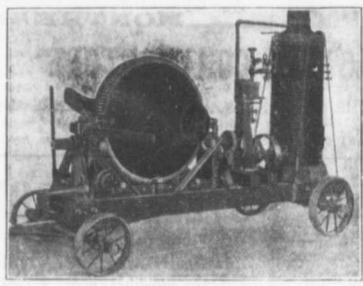
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WINNIPEG, MAN.—The Manitoba & North-Western Railway Co. will apply to Parliament for a charter to build a branch line 100 miles in length from Sheho westerly and north-westerly from Quill Lakes, also a branch line from Churchbridge southerly to Cutnar Creek.—One of the projects of the Canadian Northern Railway Co. for the ensuing year is to construct a line of railway from Lake Manitoba to connect with the C.P.R.—Plans have been prepared for an addition to the First Baptist church.—The city will undertake the following works: Asphalt pavements, on Balmoral Place, from Broadway to Spence street, cost \$9,938; Spence street, from Broadway to Assiniboine river, cost \$10,113; Wellington Crescent, from Stradbrook Place to Bridge street, and along Bridge street to Maryland bridge, cost \$48,593; Royal street, from River avenue to end of street, cost \$3,011; macadam pavement, on Burrows avenue, from Red River to Aikins street, cost \$12,250; sewers, on Corydon avenue, from John street to Ansley street, cost \$2,012; Aikins street, from St. Johns avenue to Church avenue, cost \$3,615; on William avenue, from Spencer to Tecumseh street, on Tecumseh street, from William avenue to Eigin avenue, and on Elgin avenue to Brant street, cost \$4,097; Burrows avenue, from Salter to Powers street, cost \$1,195.

TORONTO, ONT.—The Board of Education have not yet decided whether to reconstruct the Hamilton street school or to erect an entirely new building on another site. In either case the work will likely be commenced in the early spring. — The Educational Publishing Co., Limited, have purchased a site on Shuter street, near Victoria street, on which they will erect an office building.—Frederic Nicholls, manager Electric Development Company, desires tenders by February 15th for furnishing 20,000 barrels of Canadian or American Portland cement required for the works of the above-named company at Niagara Falls.—It is proposed to build an infirmary at the Alexandria School for Girls, East Toronto.—A lot on Ossington avenue, just north of Bloor street, was sold recently, the purchaser intending to build a residence thereon.—The Board of Control will receive tenders up to Tuesday, 9th inst., for repairs to asphalt pavements.—Plans have been completed for the pavilion to be built in Allan Gardens.—The question of a site for the proposed Carnegie Library has not yet been settled, several members of the Public Library Board favoring an up-town location.—The city is applying to the Legislature for permission to issue

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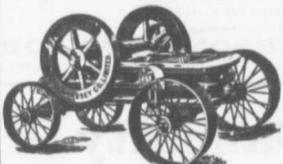
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\$205,000 of debentures, to provide funds for the following purposes: Cattle market improvements, \$20,000; erection of western garbage destroyer, \$9,500; harbor crib work, foot of Bay street, \$27,000; widening Queen street subway, \$8,000; new house services, etc., for waterworks, \$50,000; northern stables, \$6,500; exhibition buildings, \$12,000; reconstruction of Yonge street wharf, \$7,000; fire halls, \$50,000.—It is proposed to construct the following roadways: Asphalt pavement, Euclid avenue, from Bloor street to Follis avenue, cost \$12,220, and Bleecker street, from Wellesley to Howard, cost \$8,879; brick pavement, Shirley street, from St. Clarens to Lansdowne avenue, cost \$2,612, and on lane first west of Church street running north from Lombard, cost \$840.—The City Engineer has recommended the construction of the following works: Asphalt pavements, Callendar street, from Queen to a point 688 feet north, cost \$4,942; Triller avenue, from Queen street to Harvard avenue, cost \$3,395; Vanauley street, from Queen street to Grange avenue, cost \$6,006; Gerrard street, from Sherbourne to Parliament, cost \$12,952; brick pavements, lane, first east of Yonge street, from Wellington 112 feet south, west side, cost \$1,270; lane, first north of Queen street, from Northcote to Gladstone avenue, cost \$995; concrete sidewalks, Wellington Place, from Spadina avenue to Portland street, cost \$1,596; Margueretta street, from Dundas to College streets, cost \$564; Bernard avenue, from Walmer road to 46 feet west, cost \$100; Walmer road, from Bernard to 250 feet north, cost \$285; Rosedale from Crescent road to 667 feet south, cost \$596; Perth avenue, from Rovce to 250 feet north, cost \$409.—The Weston Bakery Co. will enlarge their plant, adding two storeys.—J. Davis, architect, 75 Victoria street, wants tenders for plumbing and heating of two houses.

H. C. Stone, architect, of Montreal, has opened an office in Winnipeg.

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**CONTRA AWARDED.**

**ALEXANDRIA, ONT.**—\$5,000 town debentures: G. A. Stimson & Co., Toronto, purchasers, at \$5.025.

**AMHERST, N. S.**—Rhodes, Curry & Co. have secured the contract for an addition 110x44 feet to the Intercolonial freight sheds here.

**TORONTO, ONT.**—The contract for supplying the city with cement has been given to the Lakefield Portland Cement Co., of Lakefield, Ont. Price, \$1.84½ a barrel.

A company has just been incorporated under the name of the Canadian Inspection Company, Limited, with headquarters at 146 St. James street, Montreal, their business being the inspection of railway bridge and structural materials, the inspection of the construction of bridges, buildings and other structures, making tests, investigations and analyses of all kinds, both physical and chemical. Mr. Milton L. Hersey, the well-known City of Montreal analyst, is their consulting chemist. Mr. T. S. Griffiths, who has been for several years the representative of the Pittsburg Testing Laboratory, Limited, has been appointed general manager of this concern.

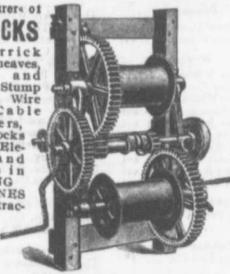
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**ANNUAL MEETING OF CIVIL ENGINEERS.**

The Canadian Society of Civil Engineers opened its eighteenth annual meeting at its rooms on Dorchester street, Montreal, Tuesday, January 26th. Mr. K. Blackwell, the president, being in the chair. Preliminary business only was transacted at the morning session.

In the afternoon Dr. Stansfield, of McGill University, read a paper dealing with the electrothermic production of iron and steel. Dr. Stansfield began by considering the commercial possibilities of producing iron and steel in the electric furnace. Attempts are still being continued to produce iron and steel by processes similar to those usually adopted, but in which the heat necessary for the chemical reactions to take place and for fusing the metal is furnished by means of electrical power instead of by the combustion of carbonaceous fuel as at present. The very high temperature

produced by electricity in a furnace containing strongly reducing gases has been already utilized in the production of certain alloys of iron, such as ferro-chrome, ferro-silicon, etc., in which cases the value of the alloy and the difficulty and expense of production by ordinary methods has led to the use of the electrical furnace in spite of its greater cost. The question of the production of iron and steel depends entirely upon the relative cost of fuel and electrical energy. Where cheap fuel is obtainable, electrical energy would not compare favorably owing to its higher cost, but where electricity can be produced under the most favorable conditions, there is just the

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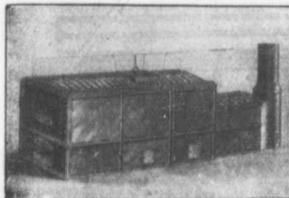
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possibility that in certain cases where crucibles are now used to fuse material, in order to protect it from the gases unavoidably present in and open hearth furnace, the electrical method will be adopted, and this particularly where definite temperatures have to be attained or kept for any length of time. After illustrating a number of electrical furnaces which have been used, by means of lime-light, Dr. Stansfield gave a number of practical demonstrations, which proved very interesting.

At the evening session illustrative descriptive papers on "The Locomotive and Machine Works at Longue Point," by Mr. M. J. Butler, M. Can. Soc. C. E., and on "The Canadian Pacific Railway Company's New Shops," by Mr. Henry Goldmark, M. Can. Soc. C. E., were read.

Wednesday was devoted to a trip about the city and vicinity. A special car left the Windsor Hotel at 9.15, the first objective point being the locomotive and machine works at Longue Point. After these had been thoroughly inspected, luncheon was served in one of the buildings adjoining the works. The afternoon was spent in seeing the C. P. R. shops in Hochelaga ward, now in process of construction, and in visiting the transforming station of the Shawingang Water and Power Company.

THE BANQUET.

The annual banquet was held Wednesday evening. Mr. Kenneth Blackwell, the retiring president of the society, presided, and introduced the national toasts and "Our Guests." Dean Bovey, of McGill University, responded to the latter. "Sister Societies" was introduced by Mr. R. Ross. Senator Casgrain replied, and during his address he proposed a plan by which the will of engineers could be gratified so far as it pertained to securing Dominion legislation, permitting an engineer in one province to practice in another. Efforts were being made, he said, to have a federal charter put through at Ottawa. This charter could never be obtained, said

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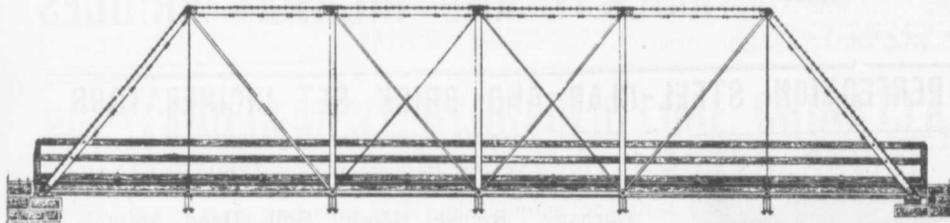
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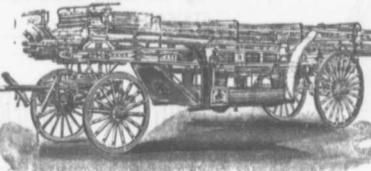
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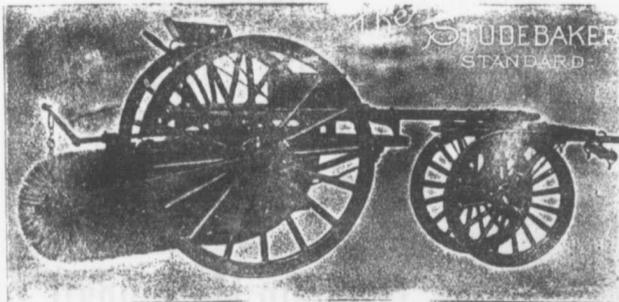
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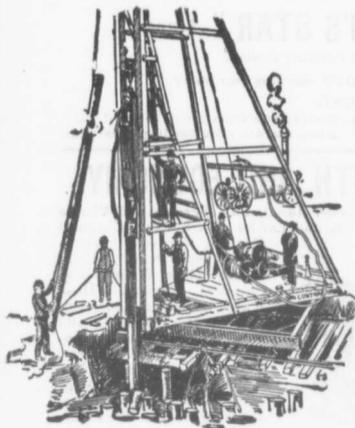
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the Senator, unless the British North American Act was changed, which would not likely take place. The solution he offered was, that the engineers in each province should form of themselves a corporation. One corporation could then accept the diploma of another corporation as satisfactory for practice. In this way members could practice in any

province without having government legislation. There was no reason, thought Senator Casgrain, why such a step should not be taken. He maintained that engineers should take an interest in public affairs, and be ready to accept positions on commissions dealing with the construction of public works, providing such positions were offered. Mr.

G. A. Mountain proposed "The Society," and Mr. Marceau replied in a witty address. "Retiring Officers" was offered by Lt.-Col. Anderson, of Ottawa, and was responded to by Mr. Blackwell, retiring president. The success of the society during the past year had been most gratifying, Mr. Blackwell stated, the membership had



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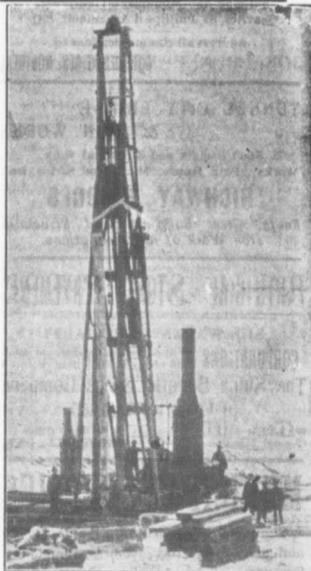
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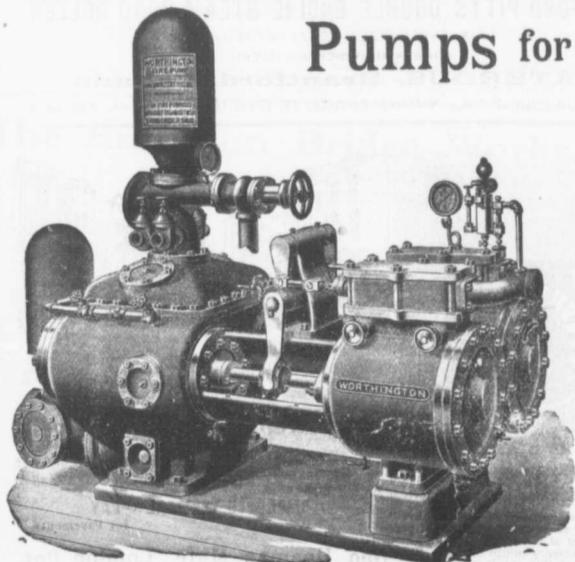
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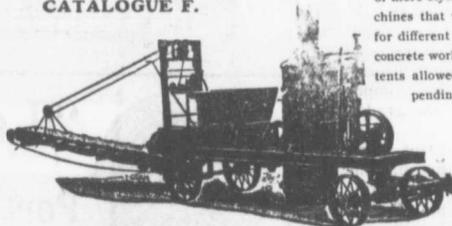
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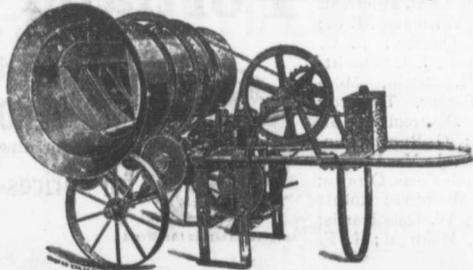
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batches, and can  
be operated  
either by Hand,  
Steam or Gasol-  
ine Power.

greatly increased, the financial standing was good and the papers read had been of a high character. Mr. Howard proposed the toast to the "Visiting Members." Messrs. R. B. Rogers and O'Sullivan replied.

#### ELECTION OF OFFICERS.

The election of officers was held Thursday morning, with the following result: President, Col. W. P. Anderson, of Ottawa; Vice-presidents, C. E. Dodwell, C. H. Keefer, E. A. Marceau; Treasurer, H. Irwin; Secretary, C. H. McLeod; Librarian, E. G. M. Cape; members of council, G. H. Duggan, John Kennedy, W. M. Walbank, M. J. Butler, M. J. Cambie, P. Johnson, P. W. St. George, D. McPherson, W. R. Butler, R. B. Rogers, C. B. Smith, W. B. Mackenzie, R. B. Owens, E. H. McHenry, St. J. Boswell. Nominating Committee—Ontario, C. B. Smith, R. B. Rogers, Prof. Galbraith; Quebec, W. B. Walbank, L. D. Papineau; Maritime Provinces, F. W. Doane; North-West Territories, George Keefer; outside of Canada, H. Irwin.

Mr. K. W. Blackwell, the retiring president, in his valedictory address, dealt principally with the question of transportation, pointing out the general result of railway operations, as expressed in rates per ton per mile. He confined his remarks to the mileage on this continent, and in the American Atlantic trade, as, he said, the economies that have been brought about in transportation on this continent are so much in advance of what has been done in England and Europe generally. The present comparatively low railway freight rates have come from many causes, larger locomotives, larger cars, and the practice of making up trainloads to the full capacity of each locomotive, and also to that most important work of improving the grades and curvatures.

Among those present were the following:—O. W. Smith, Amherst, N.S.; A. A. Bowman, Toronto; W. J. Sproule, Montreal; R. Bickerdike, jr., Montreal; Joseph W. Heckman, Montreal; Henry O'Sullivan, Indian Lorette, Que.; W. McLea Walbank, Montreal; J. A. Jameson, Montreal; Geo. A. McCarthy, Niagara Falls; C. H. Pinhey, Ottawa; H. R. Lordly, Montreal; Thomas Breen, Quebec; W. A. Duff, Montreal; K. W. Blackwell, Montreal; H. C. Burchell, St. John's, Nfld.; Charles S. Leach, Montreal; C. H. McLeod, Montreal; H. E. C. Carry, Vancouver, B.C.; Armitage Rhodes, Quebec; L. G. Papineau, Montreal; J. E. Schmitt, New York; H. Irwin, Montreal; E. B. Biggar, Toronto; Ernest Marceau, Montreal; A. St. Laurent, Ottawa; G. Rupert Duncan, Three Rivers; J. M. Donaldson, Montreal; Louis Coste, Ottawa; Geo. Holland, Montreal; Robert Surtees, Ottawa; W. Dale Harris; Henry Goldmark, Montreal; J. F.

Markill, Sherbrooke; R. M. Hannaford, Montreal; W. M. Reid, G. H. Dawson, Vancouver, B. C.; Henry Holgate, Montreal; Robert A. Ross, Montreal; James S. Costigan, Montreal; A. C. D. Blanchard, Niagara Falls, Ont.; Prof. Bovey, Montreal; C. E. Cooper, Toronto; J. M. Nelson, E. Vanteller, Montreal; J. E. Sirvis, Ste. Anne de la Pocatiere; K. B. Thornton, A. Delmar, Jas. A. Burnett, C. D. B.

Leprohon, Stuart Howard, T. W. Lesage, Geo. Janin, Alcide Chausse, R. A. C. Kimber, Montreal; A. L. Lillah, Cornwall; Richard K. Rogers, Peterboro; J. G. G. Kerry, Lewis Skaife, John Kennedy, Hanson Greene, John Bonsall Porter, J. M. Shanley, Montreal.

The Imperial Plumbing & Building Company has been incorporated in Winnipeg, with a capital of \$200,000.

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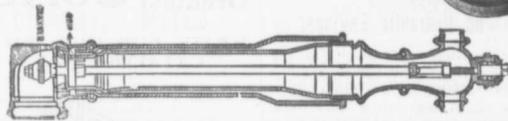
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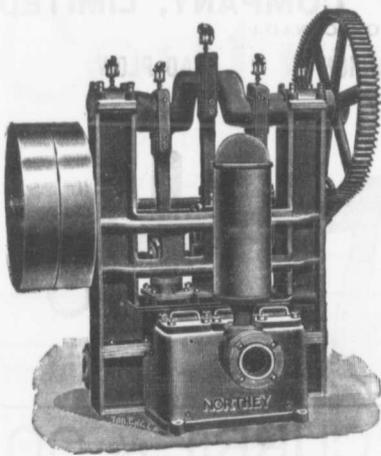
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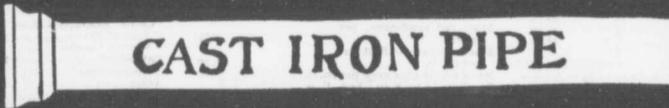
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