

CANADIAN CONTRACT RECORD

*A Weekly Journal of Engineering, 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, Leading Civil Engineers and Contractors throughout Canada, and Purchasers of Municipal Debentures.

VOL. 18

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No. 10

THE CANADIAN CONTRACT RECORD

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PUBLISHERS' ANNOUNCEMENT.

To ensure publication of the CONTRACT RECORD on time, advertisers are requested to strictly observe the following regulations:

Copy and cuts for change of advertisements must reach the publication office in Toronto not later than Saturday preceding the date of publication. The copy should show the size of the cuts, if any, as sometimes there is delay in transmitting them through the mails.

Transient advertisements for Tenders must reach the publication office by TEN O'CLOCK A. M. ON TUESDAY, but our patrons will confer a favor by forwarding advertisements earlier whenever possible.

TO CONTRACTORS

Tenders will be received by the undersigned until noon of SATURDAY, MAY 11TH, 1907, for the various works required in the erection of a residence in Rosedale. Plans and specifications may be seen at the office of the undersigned.

The lowest or any tender not necessarily accepted.

S. H. TOWNSEND, Architect,
15 Gerrard Street East, Toronto.

TENDERS FOR STEEL BRIDGE

Tenders, addressed to the undersigned, will be received up to noon, MAY THE 22ND, for the erection of one 100 foot Span Steel Bridge over the Saugueen River, Concession 4, Bentinck, also tenders per cubic yard for concrete work for abutments of said bridge. Parties tendering for steel work to submit plans of same. Specifications for concrete work may be seen at the Clerk's office, Hanover P. O. All tenders to be accompanied by an accepted cheque for the amount of 10 per cent. of tender.

DUNCAN CAMPBELL, Clerk,
Township of Bentinck, Hanover.

CONTRACTORS' ENGINEER

Thoroughly experienced in constructions, drainage, railways, roadways and bridges, requires position of entire responsibility. HILDER DAW, A. M. C. S. C. E., 790 City Hall Avenue, Montreal.

Plant for Sale

Complete Concrete Plant, Smith Mixer, with Double Drum Steam Hoist and Derrick, on flat scow.

Diving Outfit, Compressed Air Plant on scow.
Austin No 3 Stone Crusher with Elevator, Portable Boiler and Engine. Steam Hoists, several Flat Saws, Stationary and Travelling Derricks, Horse Powers, Steam Drills and Sundry Plant.

THE R. MACDONALD CO., Ltd.,
Three Rivers, Que.

City of Prince Albert, Sask.

Debentures for Sale

Sealed bids, addressed to the undersigned, will be received up to FRIDAY, MAY THE 10TH, 1907, for the purchase of the following City of Prince Albert Debentures:

\$63,934.00 Waterworks, 30 years, 4½ per cent., dated 30th March, 1905.

\$34,426.00 Sewerage, 30 years, 4½ per cent., dated 30th March, 1905.

\$62,000.00 Electric Light, 30 years, 4½ per cent., dated 14th July, 1906.

Bids on first two lots to include accrued interest from 30th March, 1906, on balance from date of issue. All of above debentures are repayable in equal consecutive annual instalments of principal and interest running from date of issue.

The highest or any tender not necessarily accepted.

C. O. DAVIDSON,

Secretary-Treasurer.

Prince Albert, April 14th, 1907.

City of Regina, Saskatchewan

WATERWORKS AND SEWERAGE

The City Clerk will receive sealed tenders up to five p.m. TUESDAY, 14TH MAY, 1907, for the furnishing of the following material and constructing the following works:

CONSTRUCTION.

- (1) All labor and materials for constructing two Compensating Basins, 1,000,000 and 300,000 gallons capacity respectively.
- (2) Trenching for and laying 36,500 feet C. I. pipe and 34,000 feet Sewer Pipe.

MATERIALS.

One 1,500 gallon Pump.
1,500 feet 10" C. I. Pipe.
3,000 feet 8" C. I. Pipe.
32,000 feet 6" C. I. Pipe.
2,500 feet 9" Sewer Pipe.
32,000 feet 12" Sewer Pipe.
9,400 feet 15" Sewer Pipe.
4,700 feet 18" Sewer Pipe.
6,200 feet 20" Sewer Pipe.
40,000 feet 6" Sewer Pipe.
600 Corporation Cocks.
600 Curb Cocks.
600 Service Boxes.
50 tons lead Service Pipe.
17 tons Pig Lead.
50 Gate Valves.
50 Hydrants.

Plans and specifications may be seen and forms of tender obtained at the office of the City Engineer.

Every tender for construction work must be accompanied by a certified cheque for \$500; every tender for materials must be accompanied by a certified cheque for \$200, payable to the order of the City of Regina.

The lowest or any tender not necessarily accepted.

J. KELSO HUNTER,

City Engineer.

Regina, Sask., 23rd April, 1907.

TENDERS

Tenders will be received at the office of the undersigned up to noon on MAY 11TH, marked "Tender for Telephone Building" for the erection of a

Fireproof, Brick and Stone
Office Building

on Hollis Street, Halifax, N. S., for the Nova Scotia Telephone Company, Limited.

The lowest or any tender not necessarily accepted.

HERBERT E. GATES, Architect,
Halifax, N. S.



Department of Railways and
Canals, Canada.

TRENT CANAL.

NOTICE TO CONTRACTORS

Sealed tenders addressed to the undersigned, and endorsed "Tender for Dam and Bridge," will be received at this office until 16 o'clock on WEDNESDAY, THE 15TH MAY, 1907, for the building of a Concrete Dam and Highway-Bridge, at Buckhorn, Ont.

Plans and specifications of the work can be seen on and after this date at the office of the Chief Engineer of the Department of Railways and Canals, Ottawa, and at the office of the Superintending Engineer, Trent Canal, Peterboro, Ont., at which places forms of tender may be obtained.

The lowest or any tender not necessarily accepted.

By order,

L. K. JONES,

Secretary.

Department of Railways and Canals,

Ottawa, 20th April, 1907.

Newspapers inserting this advertisement without authority from the Department will not be paid for it.

[FOR ADDITIONAL ADVERTISEMENTS FOR TENDERS SEE NEXT PAGE]

Tenders Wanted

The Board of Public School Trustees of the Town of Massey, District of Algoma, are willing to receive tenders for the supply of all material and the erection of a Public School Building on site within the precincts of the said town, according to drawings and specifications prepared by Mr. C. F. Burden, Architect, which may be seen, and full particulars obtained on application to the undersigned or the Architect.

The Board do not bind themselves to accept the lowest or any tender, and reserve to themselves the right to accept such tender they may deem fit.

Sealed tenders addressed to the undersigned and marked on the outside "Tenders for School," will be received up till six o'clock p.m. of WEDNESDAY, THE 22ND DAY OF MAY, 1907.

FREDERICK SUMMERBY,
Chairman of Board.

TENDERS

Sealed tenders, marked "Tender for Sewers and Waterworks," and addressed to the Secretary-Treasurer, will be received by the City of Strathcona until 6 p.m. TUESDAY, MAY 28TH, 1907, for the excavation, pipelaying and backfilling of the following sewers and water mains:

16,000	linear feet	8 and 10 inch	Sewer Pipe.
4,000	"	6 and 8 "	Water Mains.
1,800	"	6 inch	House Drains.
550	"	8 "	Catchbasin "
550	"	4 "	Hydrant " and 6 inch
			Water Pipe.

Building Manholes and Catchbasins.
Setting Hydrants and Valve Boxes.

The City reserves the right to reject any or all tenders. An accepted cheque for ten per cent of the amount of tender must accompany each tender. Plans and specifications may be seen and forms of tender and other information obtained at the City Engineer's office.

GEO. F. DOWNES,
Secretary-Treasurer.
A. J. McLEAN,
City Engineer.
Strathcona, April 26th, 1907.

Tenders Wanted

Sealed tenders, addressed to the undersigned, and endorsed "Tender for Pump," will be received up until twelve o'clock, noon, on MONDAY, THE THIRTEENTH DAY OF MAY, 1907, for furnishing, erecting and connecting complete, including foundations and all other work and materials necessary to the installation in running order of a new pump in the Amherstburg Waterworks, capable of raising water from a depth of 15 feet in the well, and delivering 800 Imperial gallons per minute into a 10 inch main, against a hydraulic pressure of 120 pounds, with a steam boiler pressure not exceeding 80 pounds per square inch, the said pump to be of the latest pattern of its type, and to have all the modern improvements and attachments; said tenders to also include the repairing and placing in perfect working order of the compound, direct acting, duplex pumping engine of the above capacity, now in use in the said waterworks.

The said new pump may be either, and alternative propositions will be received for:—

First—A compound, direct acting, duplex pump.
Second—A fly-wheel pump.
Third—A turbine pump.

No tenders necessarily accepted.

For further particulars apply to

J. H. C. LEGGATT, Town Clerk,
Amherstburg, Ontario.

CITY OF GUELPH Permanent Roadways

Sealed tenders, endorsed "Permanent Roads," will be received by the City Clerk, up to 4 P.M. MAY, for the construction of permanent pavement, also storm water drainage and concrete sidewalks in connection therewith.

Plans, specifications, quantities and form of tender can be had at the office of the City Engineer.

Each tender must be accompanied by an accepted cheque or cash deposit for 2½ per cent. of the amount of the tender.

Tenders to state relative prices for the following classes of pavement:

1. Asphalt block.
2. Vitrified brick.
3. Bituminous.
4. Sheet asphalt.

The lowest or any tender not necessarily accepted.

JAMES G. LINDSAY,
City Engineer.

TOWN OF BRACEBRIDGE CEMENT WALKS

Sealed tenders will be received by the undersigned up to noon on SATURDAY, MAY 18TH NEXT, for the construction of Cement Walks in the Town of Bracebridge for the current year.

Amount of work about 50,000 sq. ft.
Specifications may be seen at the office of the Town Engineer, Wm. Galbraith, C.E., Bracebridge. Lowest or any tender not necessarily accepted.

ALEX. C. SALMON, Town Clerk.

Tenders For Bridge

Sealed tenders will be received by the City Clerk, Calgary, for the construction and erection of the superstructure of a Steel Bridge over the Bow River in the City of Calgary, until MONDAY, THE 20TH DAY OF MAY NEXT, 12 o'clock noon, and also separately for the construction of Concrete Piers and Abutments.

Plans and specifications can be seen at the City Engineer's office.

The lowest or any tender not necessarily accepted.

ROBERT SUITOR,
City Engineer.

Chairman Parks and Cemetery Committee.

City Engineer's Office, Calgary, Alta., April 25, 1907.

TENDERS

Sealed tenders will be received by Board of Water and Sewerage Commissioners of the Town of Summerside up to 8 o'clock p.m. of WEDNESDAY, MAY 15, 1907.

No. 1. For the complete installation of a System of Water and Sewerage Works for the Town of Summerside.

No. 2. The laying of Water and Sewerage Pipes.

No. 3. Supply of all material required for the system.

No. 4. Complete equipment of Steam Pumping Plant.

No. 5. The erection of a Stand Pipe.

Plans and specifications can be seen at the office of the Commissioners, Summerside, or at the office of the Engineer, H. V. Dupont, 62 St. James St., Montreal.

The Commissioners do not bind themselves to accept the lowest or any tender. Address all tenders to the undersigned.

JAS. A. McNEILL, Chairman.

Summerside, P. E. I., April 25, 1907.

CONTRACTS OPEN.

WELLAND, ONT.—Mills & Antiknap will probably erect a new factory.

GUELPH, ONT.—The erection of a Y.M.C.A. building is being considered.

MIMICO, ONT.—Extensive alterations will shortly be made to the Mimico asylum.

WALKERVILLE, ONT.—V. Williamson will erect a large brick carpenter shop here.

HANLEY, ALTA.—Plans have been prepared for the erection of a \$10,000 school house.

CARTWRIGHT, MAN.—The Town Council have taken steps to secure a site for a fire hall.

WOODSTOCK, N. B.—J. A. Hayden will erect a three-storey brick and cement building.

BETHEL, ONT.—The Methodist congregation have decided to erect a new brick church, cost \$5,000.

RED DEER, ALTA.—The time limit for the sale of Town debentures has been extended to June 15th.

BRAMPTON, ONT.—The ratepayers have carried a by-law accepting \$10,000 for the erection of a Carnegie library.

ORILLIA, ONT.—The Town Council have engaged Willis Chipman, C.E., Toronto, to prepare plans for a sewerage system.

WOODSTOCK, ONT.—The Public School Board have decided to erect a new school building 60 x 70 feet, cost \$15,000.

ST. JOHN, N.B.—A large summer and restaurant building is to be erected at Rockwood Park. F. L. Tufts is manager.

THREE RIVERS, QUE.—T. Pringle & Sons, Montreal, are preparing plans for the proposed cotton mills for Wabasso Cotton Co.

VIRDEN, MAN.—A. G. McDougall wants tenders up to May 24th for constructing four small bridges in the county of Wallace.

NEW WESTMINSTER, B. C.—Tenders will shortly be taken for erection of new wing to the Central School to cost \$15,000.

CHAPLEAU, ONT.—The ratepayers are about to vote on a by-law providing for establishment of a waterworks and sewerage system.

SPRINGHILL, N. S.—A \$30,000 brick and stone High School building will be erected this season to contain more than ten rooms.

DARTMOUTH, N.S.—The Public School Board are about to call for tenders for installation of sanitary system in three public school buildings.

BRANDON, MAN.—The Winter Fair Board have instructed W. A. Elliott, architect, to prepare plans for a new building to cost \$30,000.

NEEPAWA, MAN.—The Town Council have under consideration the erection of a standpipe and several water tanks throughout the city.

STELLARTON, N.S.—Tenders will shortly be called for erection of 60 blocks semi detached mine's tenement houses for the Acadia Coal Co. Ltd.

ATWOOD, ONT.—T. G. Ratcliffe, clerk Township of Elma, wants tenders up to May 13th for construction of a drain. Plans at clerk's office.

BLACKVILLE, N. B.—R. M. Grindlay wants tenders up to May 18th for erection of a manse for Presbyterian congregation. Plans at Secretary's office.

FARNHAM, QUE.—A. E. D'Arto's, Mayor, wants tenders up to May 27th for construction of an electric light plant. Plans at office of Town Secretary-Treasurer.

PETERBORO, ONT.—The Fire Chief has recommended purchase of 3,000 feet fire hose, hook and ladder wagon and combined chemical and hose wagon.

KENORA, ONT.—D. H. Curry, Town Clerk, wants tenders up to May 10th for construction of bridge over Cameron and Kennedy Bay. Plans at office of Town Clerk.

AMHERST, N. S.—The Silliker Car Works will erect 70 dwellings this season.—Taylor & Tennant have purchased property on which to erect an addition to their factory.

STETTLER, ALTA.—W. B. Gray, Town Secretary-Treasurer, invites bids up to June 15th for purchase of \$3,200 5 per cent. 10 year and \$9,200 5 per cent. 10 year town debentures.

WINDSOR, ONT.—The location of the Windsor, Essex & Lake Shore Rapid Railway Company's line, from this city to Leamington, has been approved by the Railway Commission.

OWEN SOUND, ONT.—A. McMillan, Chairman of Public Buildings Committee, wants tenders up to May 10th for alterations to town hall. Plans at Town Clerk's office.

VANCOUVER, B.C.—The Railway Commission have authorized the Vancouver, Victoria & Eastern Railway Co. to construct a bridge over the Similkameen river at Princeton.

KENTVILLE, N. S.—T. H. Morse, Berwick, N.S., wants tenders up to May

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11th for erection of brick and stone jail building. Plans with Mr. Morse and L. R. Fair, architect, Aylesford, N.S.

KINGSTON, ONT.—It is understood that the Kingston Locomotive Works will purchase property now occupied by the Grand Trunk Railway, to be used for extending their premises.

HALIFAX, N.S.—The City Council have agreed to give a free site of twelve acres to W. P. McNeill & Co., of New Glasgow, on condition that they establish their structural steel works in this city.

ST. CATHARINES, ONT.—J. L. Weller, Superintending Engineer, wants tenders up to May 20th for supply of 104 power-driven lock gate operating machines. Specifications with Superintending Engineer.

NORTH BATTLEFORD, SASK.—E. W. Drew wants tenders up to May 20th for erection of eight-roomed school building. Plans at Mr. Drew's office and with Storey & Van Egmond, architects, Regina.

HAMILTON, ONT.—The Presbyterians of the east end of the city have decided to erect a new church and have appointed a committee, of which J. B. Graham and J. B. Turner are members, to purchase a site for the building.

PORT ARTHUR, ONT.—The Board of Trade have recommended the establishment of a gas works in this city.—The City Council have appointed a committee to consider the erection of an opera house to be owned and operated by the Municipality.

SUMMERSIDE, P.E.I.—I. A. McNeil, Chairman of Board of Water and Sewerage Commissioners, invites tenders up to May 15th for installation of water and sewerage system in this town. Plans with above named gentlemen and D. V. Dupont, 62 St. James street, Montreal.

SOREL, QUE.—F. Gelin, Department of Public Works, Ottawa, wants tenders up to May 2nd, for construction of an additional cribwork front to wharf in this town. Plans with J. L. Michaud, Merchants Bank Bldg., Montreal, Department of Public Works, Ottawa, and Postmaster of this town.

EAST TORONTO, ONT.—W. H. Clary, Town Treasurer, wants tenders up to May 13th for purchase of the following debentures: \$9,400 5 per cent. 30 year; \$2,870.07, 5 per cent. 15 year; \$1,098.31, 5 per cent. 15 year; \$1,020, 5 per cent. 20 year; \$1,629.68, 5 per cent. 20 year; \$2,000, 5 per cent. 30 year.

LONDON, ONT.—The congregation of St. Peter's Roman Catholic cathedral have decided to erect a hall to cost \$20,000.—The Western Fair Association will shortly call for tenders for additions to their buildings, cost \$6,000.—G. Craddock wants tenders up to May 14th for erection of an addition to St. George's Public school building.

BRACEBRIDGE, ONT.—A. C. Sal-

mon, Town Clerk, wants tenders up to May 13th for construction of a concrete reinforcing wall inside reservoir. Particulars can be had from W. C. Simmons. The same gentleman will receive tenders up to May 18th for construction of from 40,000 to 50,000 square feet of cement concrete side walks. Specifications at office of W. Galbraith, C.E.

VICTORIA, B. C.—F. M. Rattenbury, architect, wants tenders up to May 15th for erection of stone and brick building for Merchants Bank.—A number of local business men are considering the establishment of a smelter and iron and steel works in this city.

CALGARY, ALTA.—H. E. Gillis, City Clerk, invites bids up to May 31st for following debentures: \$20,000 4½ per cent. electric light, 30 year; \$150,000 4½ per cent. city hall, 30 year; \$75,000 4½ per cent. trunk sewer, 30 year; \$120,000 4½ per cent. water extension, 20 year; \$25,000 4½ per cent. bridge, 30 year; \$35,000 4½ per cent. electric plant, 30 year; \$6,500 4½ per cent. store house, 20 year.

FREDERICTON, N.B.—J. F. McMurray will erect a residence on Waterloo road.—J. J. McCaffrey is having plans prepared for an addition to the Queens Hotel.—A brick building is to be erected on King street by W. Kitchen.—C. H. La Biolois, Department of Public Works, invites tenders up to July 8th for construction of two metal superstructure spans over St. John river. Plans and specifications at Public Works Department.

QUEBEC, QUE.—The City Council are negotiating with Mr. Dunbar, of Richmond, Que., who is considering the erection of a factory building in this city.—F. C. Wurtele, Secretary-Treasurer Protestant Board of School Commissioners, wants tenders up to May 15th for purchase of \$45,000 4 per cent. school bonds.—The Secretary Fire Committee wants tenders up to May 21st for supply of 2,000 feet cotton fire hose lined with rubber. Specifications on application to the Fire Chief.

SASKATOON, SASK.—J. Flanagan is making arrangements for erection of hotel building.—J. H. Trusdale, City Clerk, wants tenders up to June 1st for purchase of \$125,000 5 per cent. 30 year

debentures.—S. Molville is negotiating with the City Council in reference to establishing a large paper mill here.—F. Gelin, Department of Public Works, Ottawa, wants tenders up to May 27th for erection of post office building. Plans with Postmaster this city, J. Greenfield, Winnipeg, and Department of Public Works, Ottawa.

OTTAWA, ONT.—The City Council will shortly make application to the Ontario Railway and Municipal Board for authority to issue debentures for \$50,000 for extensions to the waterworks system.—The following building permits have been issued: J. E. Wilmot, brick veneered dwelling, McLeod street, cost \$3,000; C. W. Jeffrey, brick veneered dwelling, McLeod street, cost \$3,000; Messrs. Charleson, three brick veneered dwellings, Lewis street, cost \$5,500; A. Giroux, building for Union St. Joseph, Dalhousie street, cost \$35,000; J. G. Foster, alteration to dwelling, Empress avenue, cost \$3,000; E. G. Laverdure, four brick veneered dwellings, Rideau street, cost \$9,000.—The Quebec, Montreal & Southern Railway have been authorized by the Railway Commission to reconstruct bridge over the Nicolet river.—The City Council have selected site for the new isolation hospital, which is to cost \$20,000.—F. Gelin, Department of Public Works, wants tenders up to May 18th for dredging required at Victoria Harbor, Ont. Specification at office of above Department.

WINNIPEG, MAN.—The Board of Control have recommended to the City Council that plans be prepared for the widening of Louise bridge.—J. H. Chisholme, architect, is preparing plans for a brick and stone stable 140 x 40 feet for the Manitoba Cartage Co., to cost \$20,000.—Smith & Bruce, architects, are preparing plans for a large store and apartment block for Mr. Crump, and also for the enlargement of Wiltin Lodge for W. J. Boyd.—Following is a list of the buildings to be erected at Fort Rouge by the Canadian Northern Railway: Blacksmith shop, 100 by 250 feet; foundry, 100 by 200 feet; coach repair shop, 180 by 200 feet; coach painting shop, 60 by 200 feet; boiler shop, 190 by 200 feet; tank shop, 85 by 200 feet;

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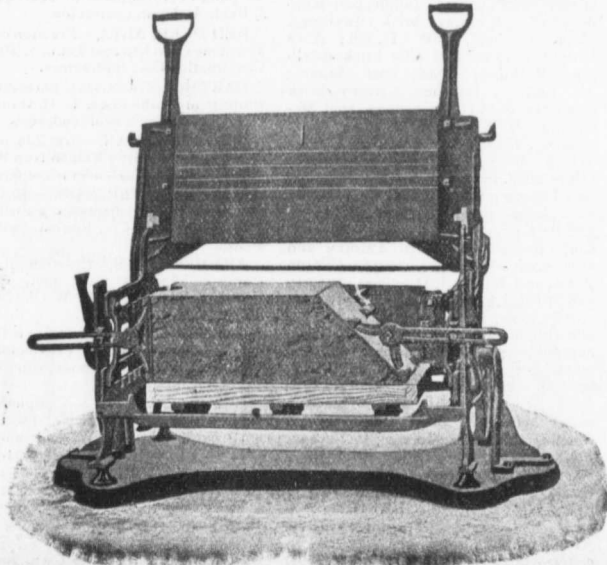
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MONTREAL.

freight car repair shop, 100 by 400 feet; planing mill, 85 by 300 feet; lumber shed. Tenders for erection of machine shop, 163 by 600 feet, will be called for this week.—F. S. Baker, architect, wants tenders up to May 18th for alterations and additions to Traders' Bank building.—F. R. Evans, architect, wants tenders up to May 13th for erection of brick school house at Stonewall. Plans at office of architect and with J. Hall, Stonewall.

MONTREAL, QUE.—The Redmond Co. have purchased property on Inspector street 75 x 169 feet on which to erect a large new warehouse.—J. Robinsion has purchased a stone dwelling on Sherbrooke street with the intention of converting same into a branch bank office.—L. Cowan & Son have purchased property on Duke street on which to erect a foundry.—The City Council have decided to lay a 24 inch main on St. Catherine street, from Peel to Bleury streets and up Bleury to Sherbrooke street.—The City Clerk wants tenders up to May 14th for construction of a number of sewers. Information can be obtained at the office of the City Surveyor.—The Board of Railway Commissioners have authorized the Grand Trunk Railway System to construct a branch line near Weyvale, Ont., and from Midland, Ont., through townships of Tay and Tiny.—The following building permits have been issued: Montreal Carriage Leather Co., Ltd., two-storey house, St' Ambrois street, cost \$4,000; Montreal Steel Works Company, one house and one warehouse, corner St. Patrick and Columbian streets, cost \$3,300; U. Cartier, 2 three-storey houses, Mance street, cost \$14,000; A. Lemieux, alterations to house, 1687 St. Catherine street east, cost \$3,500.

TORONTO, ONT.—It is reported that P. F. Collier & Son, of New York, are negotiating for a site on which to erect a large building.—The Colonial Investment & Loan Co. have instructed Bond & Smith, architects, to prepare plans for a twelve-storey fire-proof office building to be erected on King street west.—The Mutual Life Assurance Co. of New York, are negotiating for the purchase of James building, corner of King and Yonge streets, with the intention of erecting on the property an eighteen-storey marble and stone office building.—E. J. Lennox, architect, has completed plans for the enlargement of Victoria Hall to cost about \$40,000.—Beaumont Jarvis, architect, has been instructed to prepare plans for erection of an additional storey on the warehouse of the Brown Bros. Limited.—The Alexandria Yacht Club have secured a site on which to erect a two-storey club house.—Atkinson Bros., 36 Wellington street east, want separate tenders for erection of two detached residences on Huron street.—Mr. Weinter, 46 Alice street, wants tenders for erection of four pairs semi-detached dwellings.—The reconstruction of the heating and ventilating system in Jarvis street Collegiate Institute is being considered at a cost of \$4,000.—The Canadian Northern Ontario Railway have been authorized by the Board of Railway Commissioners to construct a bridge over the South Nation river at North Plantagenet.—J. E. Thompson has purchased property at 78 and 80 King street east for a syndicate who will remodel the building for office purposes.—Bond & Smith, architects, are about to call for tenders for erection of five-storey warehouse on Shepard street.—The Canadian Manufacturers' Association expect to commence operations shortly on the erection of 200 workmen's houses.—J. Power has purchased property on King street west on which he will erect a four-storey factory, cost \$30,000.—H. Simp-

son, architect, is preparing plans for a three-storey building to be erected corner Parliament and Queen streets, at a cost of \$20,000 for the J. F. Brown Company.—The engineers engaged by the city in connection with the new Union station are considering the corner of King and Simcoe streets as the site.—The following building permits have recently been issued by the city architect: W. Ward, 2½-storey brick dwelling, Roxborough street, cost \$3,600; Wycliffe College, 3-storey brick college, Hoskin avenue, cost \$28,000; J. H. Clark, 2-storey and attic brick dwelling, 325 Leslie street, cost \$2,500; W. J. Webb, 6 attached 2-storey brick dwellings, Dovercourt road, cost \$4,000; L. J. Bland, 3 pair semi-detached 1½-storey brick dwellings, also detached brick dwelling, corner Palmerston avenue and Dupont street, cost \$10,800; R. W. Harrison, pair semi-detached and 1 detached 1½-storey brick dwellings, Seaton square, cost \$3,000; L. B. Bice, 3 pair semi-detached and 1 detached 2-storey brick dwellings, corner Clinton street and Yarmouth road, cost \$7,000; Stothers & Kendle, 2-storey brick and stone dwelling, 19 Seaton square, cost \$3,000; D. A. Atkinson, pair semi-detached 2-storey brick dwellings, College street, cost \$3,500; H. Lelueski, 2-storey brick veneered dwelling, Claremont street, cost \$3,200; J. Russel, 3 pair semi-detached 2-storey roughcast dwellings, brick fronts, Jones avenue, cost \$6,000; F. D. De Sausea, 1-storey brick factory, corner Carlaw and Eastern avenues, cost \$4,800; W. Colwell, pair semi-detached 2-storey roughcast dwellings, brick fronts, Dovercourt road, cost \$3,000; J. L. Montgomery, pair semi-detached 2½-storey brick dwellings, Bathurst street, cost \$6,000; Love Bros., 4 attached 2-storey roughcast dwellings, brick fronts, Munro street, cost \$4,800; A. Ure, 2-storey brick dwelling, Gladstone avenue, cost \$6,000; W. I. Abbott, 2-storey and attic brick dwelling, Crawford street, cost \$3,000; C. Walker, 2-storey and attic brick dwelling, cor. Oriole road and Heath street, cost \$6,000; J. Lancaster, pair 2-storey roughcast dwellings, brick fronts, Millcrest street, cost \$3,000; W. F. Turnbull, 2-storey and attic brick dwelling, Chesnut Park road, cost \$8,000; J. H. Sampson, pair semi-detached 2-storey roughcast dwellings, 90 Armstrong avenue, cost \$3,200; P. Jennings, 2-storey brick dwelling, Dearbourne street, cost \$3,000; C. Jolliffe, pair semi-detached 2½-storey brick dwellings, Hepburn street, cost \$5,000; Alice Wright, 2-storey and attic brick dwelling, Rusholme road, cost \$4,000; Mr. Kelly, 3 attached 2-storey brick dwellings, St. Clarens avenue, cost \$6,000; J. H. Galloway, 2-storey brick dwelling, Havelock street, cost \$3,800; W. W. Hiltz, 3 pair semi-detached 2-storey brick dwellings, Simpson avenue, cost \$13,000; Sons of England, 3-storey brick lodge rooms, corner Richmond and Berti streets, cost \$15,000; White & Co., 2 pair semi-detached 2-storey and attic brick dwellings, 327-333 Clinton street, cost \$9,000; J. Drummer, 2-storey and attic brick dwelling, 59 Wond street, cost \$3,500; F. H. Uiquhart, 2-storey and attic brick dwelling, Admiral road, cost \$4,000; A. C. Calder, pair semi-detached 2-storey roughcast dwellings, brick fronts, Shuley street, cost \$3,400; Robt. Dougherty, pair semi-detached 2-storey and attic brick dwellings, on Spadina road, cost \$6,200; B. Vernan, 2½-storey brick dwelling, Alhambra Avenue, cost \$4,000; Christie Brown Co., 6-storey brick factory, Frederick Street, cost \$37,500; Love Bros., 4 attached 2-storey brick dwellings, Bain Avenue, cost \$4,000; H. G. Oterhort, 2-storey brick dwelling, Pearson Avenue, cost \$3,000; S. C. William, 2-storey and

attic brick store and dwelling, Gerrard street, cost \$4,000; Smith & Sockett, pair semi-detached 2½-storey brick dwelling, Wright Avenue, cost \$5,000; C. D. Massey, addition to dwelling, Jarvis street, cost \$15,000; H. M. Patton, 2-storey brick dwelling, Gladstone Avenue, cost \$3,000; Love Bros., 6 attached 2-storey roughcast dwellings, Munro street, cost \$6,000; R. H. Eason, 2-storey and attic brick dwelling, Palmerston boulevard, cost \$6,000; W. Stothers, pair 2-storey roughcast dwellings, brick fronts, Crawford street, cost 2,800; C. Elmes, 2-storey brick store and dwelling 602 College street, cost \$4,000; W. Avison, pair semi-detached 2-storey brick dwellings, Crawford street, cost \$4,000; D. Hamilton, pair semi-detached 2-storey dwellings, Gerrard street, cost \$4,500; J. W. Montgomery, 2-storey and attic brick dwelling, Clonty street, cost \$3,400; H. Larkin, pair semi-detached and 3 attached 2-storey and attic roughcast dwellings, brick fronts, Hallam street, cost \$6,000; J. Kee, 2 pair semi-detached 2-storey and attic brick dwellings, Havelock street, cost \$10,000; Kemp Mfg. Co., 2-storey brick warehouse, Gerrard and River streets, cost \$5,000; J. H. Stanford, 2 pair semi-detached 2-storey brick dwellings, Markham street, cost \$10,000; S. Crane, 2-storey and attic brick dwelling, Robert street, cost \$8,500; Mrs. A. Barker, 1½-storey brick dwelling, Rowanwood Avenue, cost \$4,000; St. Matthew's Church, 2-storey Sunday school, rear St. Matthew's Church, cost \$10,900; Phippen Bros., 2 pair semi-detached roughcast dwellings, brick fronts, 297-303 Booth avenue, cost \$4,000; W. H. Bagshaw, 2½-storey brick dwelling, 475 Marion street, cost \$3,600; A. Wellwood, 2½-storey brick dwelling, Conduit street, cost \$3,500; J. S. VanCamp, 2-storey and attic roughcast dwelling, brick front, Langley avenue, cost \$3,500; H. Galbraith, 2 pair semi-detached 2-storey brick dwellings, Clinton street, cost \$7,200; Wm. Tyrell, 2-storey brick dwelling on Warren road, cost \$6,000; W. McConnell, 2-storey and attic brick dwelling, Palmerston avenue, cost \$6,000; N. Manning, 2-storey and attic brick dwelling, Markham street, cost \$3,200.

CONTRACTS AWARDED.

TRURO, N. S.—Erection of building for Bank of Nova Scotia to cost \$40,000; J. Reid, Amherst, contractor.

RED DEER, ALTA.—Erection of brick and stone church to cost \$30,000; Brandon Construction Co., contractors.

DARTMOUTH, N. S.—Furnishing of water pipe for the town; L. H. Gaudry & Co., Quebec, successful tenderers.

WINNIPEG, MAN.—Erection of iron water tower for city; Vulcan Iron Works, this city, successful tenderers at \$392.

LLOYDMINSTER, SASK.—\$6,500 5½ per cent. town debentures awarded to Nay, Anderson & Co., Regina, Sask., for \$6,523.

AMHERST, N. S.—Erection of three storey building, 85 x 45 feet, for the Canadian Beverage Co.; W. P. Legere, contractor.

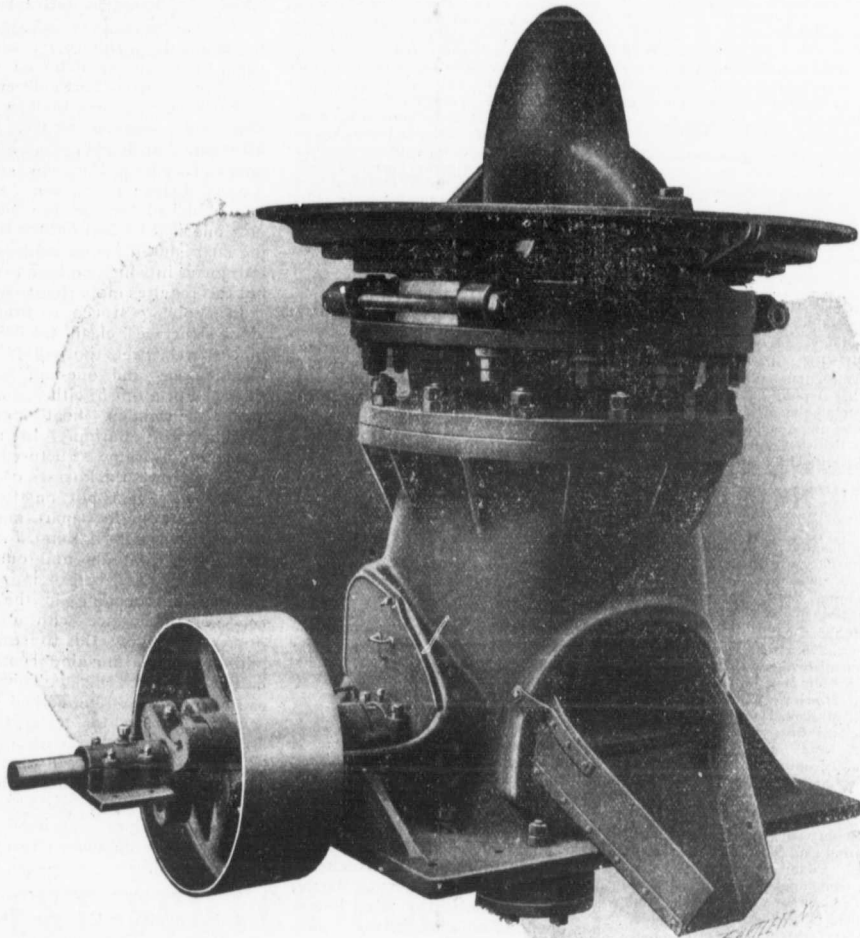
GALT, ONT.—Erection of new factory for Canadian Brass Co.; Provincial Construction Co., Toronto, successful tenderers at \$9,500.

GODERICH, ONT.—Completion of Goderich outside breakwater for Dominion Government; W. Birmingham, Ottawa, successful tenderer at \$94,000.

NIAGARA FALLS, ONT.—Erection of reinforced concrete factory, 42 x 122 feet, for Canadian Nut & Bolt Co.; M. J. Burk and Niagara Falls Planing Mills Co., contractors.

HALIFAX, N.S.—The Civic Board of Works has recommended the purchase

Rock Crushing Plants



The demand for crushed rock is increasing rapidly for railroad ballast, Portland cement, fluxing purposes in smelting plants, "Good Roads," etc. Bulletin 1411 describes the machinery and appliances, including the Gates "K" gyrotory breaker shown above, used in MODERN ROCK CRUSHING Plants. Included also are sectional plans of a large number of plants in active operation, from which intending purchasers may get valuable hints in preparing data for plans and specifications.

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of 300 tons Portland cement from the Sydney Cement Works and 500 tons from Stairs, Son & Morrow.

PORT ARTHUR, ONT.—Erection of freight offices for C. P. R.: S. Brown, Winnipeg, contractor.

NORWAY, ONT.—James Smart Manufacturing Co., Brockville, have been awarded the contract for installation of Kelsey system of heating and ventilating in public school building.

FLESHERTON, ONT.—Construction of bridge for the township of Artemesia: Walker Bros., Southampton, successful tenderers at \$1,400.—Construction of cement sidewalks, the same firm at 9 cents per square foot.

MONCTON, N.B.—Erection of fire hall: Paul Lea Co., this city, successful tenderers at \$9,815; supply of steel "I" beams for the building, F. W. Sumner Co., this city, at \$540.47. Other bidder the Estey Co., St. John, at \$562.28.

STRATHCONA, ALTA.—Erection of Strathcona Collegiate Institute: May, Sharpe Construction Co., successful tenderers at \$66,000.—Supply of 600 tons Alberta blue stone for the same building: Western Timber & Mines, Limited, contractors.

VANCOUVER, B.C.—The Board of Works have recommended that the tender of the Barber Asphalt Co. for resurfacing certain streets be accepted at \$47,696.68.—Erection of office building to cost \$35,000 for the British Columbian Permanent Loan & Savings Co.; A. E. Carter, contractor.

ST. JOHN, N.B.—F. Neil Brodie, architect, has awarded the following contracts for erection of new surgical ward for the city hospital: Carpenter work, A. Dodge; masonry work, Clark & Adams; heating and plumbing, George Blake; electric lighting, Frank Jones; and painting and glazing, P. Denison.

TORONTO, ONT.—The Provincial Government have awarded contracts for construction of bridges as follows: Over Gull river at Minden, Jenks & Dresser, Sarnia; at Housey's Rapids, Muskoka District, R. M. Roy, Hamilton; at Gooderham, Dickson Bros., Campbellford; at Larchwood and Thessalon, Ontario Bridge Co., Toronto.

ELMIRA, ONT.—The Village Council have awarded the following contracts in connection with the new waterworks system: Supply of hydrants, Doherty Manufacturing Co., Sarnia, at \$28; valves and boxes, Canadian Fairbanks Co., Montreal; trenching, pipe laying, etc., P. Weber. Tenders for stand pipe and tank were laid over for further consideration.

WELLAND, ONT.—T. L. Nichols, architect, has awarded contract for erection of a dwelling for B. Dradall to P. S. Peacock and for erection of dwelling for H. Dawdy to M. Vanderburg.—Erection of brick and steel building for the Crowland Smelter Co: Masonry, G. Fatton; carpentry, A. J. Baumhofer; structural steel work, Ontario Iron & Steel Co.

VICTORIA, B.C.—The Board of Firewardens recommend the acceptance of following contracts for civic supplies: Supply of heaters, Hutchison Bros., at \$680; supply of 500 glass insulators, 500 oak top pins, 500 birch brackets, and 1500 lbs. wire, Hawkins & Hayward, at \$535.50; supply of poles, Victoria Tie & Lumber Company, at 12½ cents per foot for 35 foot poles and 15 cents per foot for 40 foot poles; supply of 2½ inch fire hose, Gutta Percha & Rubber Manufacturing Co., Paragon brand, at \$1 per foot; supply of one inch chemical hose, Canadian Rubber Co., Para brand, at 61¼ cents per foot.

SASKATOON, SASK.—Erection of civic hospital building: A. W. Cassidy, successful tenderer at \$38,723.42. Other bidders: Saskatoon Construction & Engineering Company, concrete foundation and brick superstructure, \$51,700, concrete foundation and cement block superstructure, \$48,570; W. H. Costigan, Regina, brick with stone foundation, \$41,

600, concrete foundation \$300 less, concrete blocks throughout \$2,000 less, sanitary floors \$2,000 more; J. G. Willoughby, brick with concrete foundation \$43,553, concrete blocks throughout \$41,353, complete masonry with brick \$19,750, with concrete \$17,650; S. A. Covert, cement block throughout \$44,000, brick \$43,000; A. W. Cassidy, cement block \$40,667.52. The above tenders do not include heating and plumbing.

ST. THOMAS, ONT.—Construction of cement sidewalks for the city: A. E. Ponsford, this city, successful tenderer at sand finish, 10¼ cents per foot; granite finish, 12½ cents; curb and gutter, 35 cents; curb, 25 cents, curb with walk, 11 cents. Other bidders: Jesse Wallis, sand finish, 10½ cents; curb and gutter, 35 cents; curb 25¼ cents; curb and walk, 11½ cents; and George A. Ponsford, sand finish, 10½ cents; granite finish, 13 cents; curbing, 25 cents; curb and gutter, 36 cents; curb with walk, 11 cents.—At a joint meeting of the City Council and County Council the contract for rebuilding of the Foote bridge was awarded to the Concrete Pole Company, St. Catharines, at \$7,640. Other bidders: Concrete Construction Co., Toronto, \$8,920; J. Patterson, St. Marys, \$7,840; Williams' Bridge Co., Chatham, \$8,652; Petrolia Bridge Co., \$8,290; G. H. Ponsford, this city, \$9,200; A. E. Ponsford, this city, \$8,989.

BIDS.

GRAVENHURST, ONT.—The following bids have been received for erection of power house: Findlay Bros., \$4,450; W. Waltes, \$2,825; L. Fehlestren, \$3,800; R. Fielding, \$2,798.

VICTORIA, B. C.—The following bids have been received for erecting plant for the city: Marine Iron Works, \$12,500 and Victoria Machinery Depot, \$12,780. The bids have been referred to a committee for consideration.

SASKATOON, SASK.—The following bids have been received for various works in connection with erection of hospital here: Electric light fixtures, Keith & Fitzsimmons Co., Toronto, \$390.25; electric wiring, Saskatoon Electric Supply Co., \$475; galvanized iron work, Wells & Cornish, \$675, and Charlebois & Boyd, \$1,357.50; lathing and plastering, Mytten Bros., \$6,133, and hard wall, \$5,433; painting, Spooner & Creelman, \$2,048; finishing floors, Spooner & Creelman, \$860.

The partnership of Kennedy, Beggs & Co., architects, Barrie, has been dissolved. Mr. Beggs has opened an office in the Union Bank building.

The Alberta Portland Cement Company are about to generate electric energy at Rednor, Alta., to the extent of 5,000 h.p. As the company will require only 2,000 h.p. for their own plant, it is not improbable that the balance will be sold to the City of Calgary for lighting purposes.

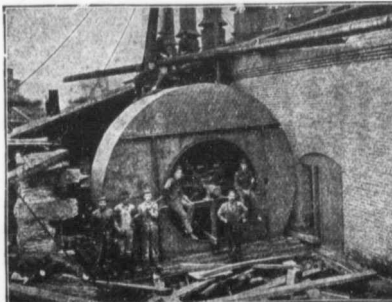
PEBBLE DUST AND CEMENT FINISH.

Plastering buildings on the outside with pebble dash or cement is sometimes known as stucco work. It may be used for veneering new buildings or for covering old structures. It is quite desirable and seems to be a very satisfactory method. As a rule two coats are used, the first a scratch coat composed of five parts Portland cement, 12 parts clean, coarse sand, 3 parts lime, and a small quantity of hair. The second or finishing coat is composed of 1 part of Portland cement, 3 parts of clean coarse sand, and 1 part of slaked lime paste. Should only one coat be desired, the finishing coat is used. Some masons prefer mortar in which no lime is used, but this requires more time to apply.

In applying stucco to brick or stone structures, clean the surface of the well, wet thoroughly, and plaster one and one-half inches thick. For a finish, either smooth with a wooden float or by rubbing with burlap. In using stucco on a frame structure, first cover with two thicknesses of roofing paper. Next put on furring strips about one foot apart, and on these fasten wire lathing. Apply the scratch coat one and one-half inches thick and press it partly through the openings in the lath, roughing the surface with a stick or trowel. Allow this to set well and apply the finishing coat one-half to one inch thick. This coat can be put on and smoothed with a wooden trowel or a large stiff fiber brush if a spattered dash finish is desired. A pebble dash finish may be obtained by using 1 part of Portland cement, 3 parts coarse sand and pebbles not over one-fourth inch in diameter; throw on with a trowel.

E. Lecavalier & Company, builders, Montreal, Que., have dissolved partnership.

Mr. Jas. Johnston, analyst in the City Engineer's Department, Toronto, has accepted a position with the Warren Bituminous Paving Company. Mr. Johnston was presented with a suit case, club bag and gold watch chain by his associates.



A Large Buffalo Steel Plate Fan for mechanical draft is shown in course of erection. We undertake to design and install these fans assuming full responsibility for results.

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RESIGNATION OF MR. CHIPMAN.

Much to the regret of the members of the Engineers' Club of Toronto, Mr. Willis Chipman, C.E. has found it necessary to resign the Secretaryship of that organization. Mr. Chipman has been a most faithful and energetic officer and is one of the fathers of the Club, having been Secretary since its formation in 1896. He has devoted a great deal of time to the interests of the Club and is naturally very much gratified with its progress. His growing practice and large amount of out-of-town work with which Mr. Chipman is connected, has forced him to resign the office he has so ably filled.

NEW COMPANIES.

St. Simeon Lumber Company, Limited, St. Hyacinthe, Que., incorporated, capital \$290,000. Incorporators, O. Brouillard, Notre Dame du Bon-Conseil, M. Archambault, of St. Dominique of Bagot, J. P. P. Robert, of Marieville and others.

McCoy & Wilford, Limited, Lindsay, Ont., incorporated to carry on a general construction business, capital \$49,000. Incorporators, P.

McCoy, of Kingston, F. E. Wilford, G. H. Hopkins, of Lindsay, and others.

Canadian Polished Stone, Brick & Tile Company, Limited, Montreal, incorporated, capital, \$1,000,000. Incorporators, J. A. Faucher, of Quebec, W. T. Stewart, R. H. Fulton, O. Turgeon, and W. G. Mitchell, all of Montreal.

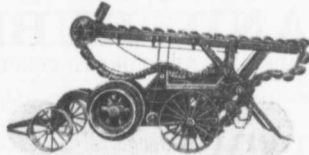
Canada Office Furniture, Limited, Montreal, incorporated, capital \$35,000. Incorporators, D. Wishart, D. E. Turner, F. A. Wishart, all of Montreal, and others.

Standard Sanitary Manufacturing Company, of Canada, Limited, Toronto, Ont., incorporated, capital \$20,000. Incorporators, G. S. Hodgson, H. Maw, C. T. Gillespie and others, all of Toronto.

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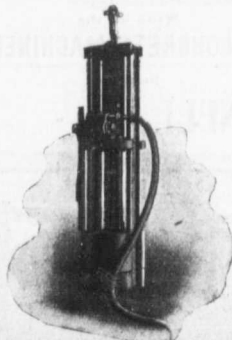
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COMPARISON OF AMERICAN AND CANADIAN PAVING.

Canadian and American paving brick have been put under comparative tests at Toronto, Ont. The cost of Canadian vitrified brick at the lowest ruling prices was 94 1/4 cents per square yard, as compared with 97 cents for the American vitrified block. The standard abrasion test showed, after 1,000 revolutions, a loss of 17.7 per cent. for the Canadian and 11.8 per cent. for the American product. After 2,000 revolutions the losses were: Canadian, 26.2 per cent.; American, 17.6 per cent. In making the tests 110 samples of Canadian and 160 samples of American pavers were used. Out of 41,656 square yards of brick pavement constructed in Toronto in 1905, 10,415 square yards was laid with Canadian vitrified brick and 31,241 square yards with American vitrified block.

NOTES.

Jutras & Biron, brick manufacturers, Nicolet, Que., have registered.

The new buildings of M. Brennan & Sons, manufacturers of derricks, dredges, etc., at Welland, Ont., have been completed and the company are moving into them.

The announcement has been made that the International Steel Company, Limited, have taken over the business of the St. Lawrence Supply Company, Limited, of Montreal. The plant of the company is to be extensively enlarged and the business will be in the hands of the old management.

A serious fire occurred at the works of the Crescent Cement Works, at Longue Pointe, Que., last week but fortunately it was confined to the old buildings which were damaged by fire some time ago and reconstructed. The new buildings and plant now under con-

struction will be completed and ready for occupation in about two weeks time. The company have not yet been able to estimate the loss sustained.

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With power (Steam, Gasoline or Electric) if required.

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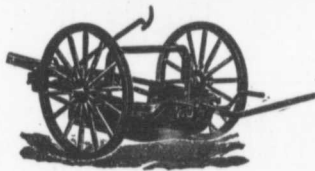


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NOTES.

Cholette & Guirbault, builders, Montreal, have registered.

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The Rexford Bishop, Ltd., contractors, Montreal, have registered

with Mr. Daniel A. Rexford as president.

At a meeting of the shareholders of the International Portland Cement Company, held at Ottawa on April 30th., a by-law was passed authorizing the increase of the capital stock from \$1,000,000 to

\$1,250,000. The additional capital will be used in enlarging the plant, the capacity of which is to be increased to 3,000 barrels per day. Sir Sanford Fleming, president of the company, occupied the chair and shareholders were present from many parts of Ontario and Quebec.

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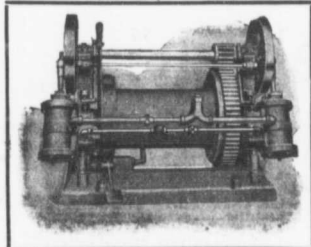
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Elmira Interior Hardwood Company, Limited, Elmira, Ont., incorporated, capital \$100,000. Directors, M. Weber, L. A. Jeanneret, A. J. Kimmell, P. Leinberger and H. W. Zilliax.

International Snow Plough Manufacturing Company, Limited, Stratford, Ont., incorporated to manufacture snow ploughs, cars, trucks, etc., capital \$250,000. Directors, J. Rankin, J. M. Dennison, J. W. Mowbray, W. J. Hackwell and W. Dyer.

Port Hope Telephone Company, Limited, incorporated, capital \$10,000. Directors, G. W. Jones, G. Payne, W. H. Burley and others.

Concrete Engineering & Construction Company, Limited, Toronto, Ont., incorporated to carry on business as builders and contractors, capital \$40,000. Directors, J. V. Gray, A. F. Wells and R. D. Moorehead.

National Plumbing & Supply Company, Limited, Toronto, Ont., incorporated, capital \$40,000. Directors, E. A. Rogers, C. H. Ivey, and P. D. Ivey.

Frame & Hay Fence Company, Limited, Stratford, Ont., incorporated, capital \$100,000. Directors, R. S. Frame, D. B. Hay and R. B. Murray.

Preston Car & Coach Company, Limited, Preston, Ont., incorporated, capital \$200,000. Directors, G. A. Clare, F. Clare, A. N. W. Clare, C. R. Hanning and others.

Continued on Page 15.

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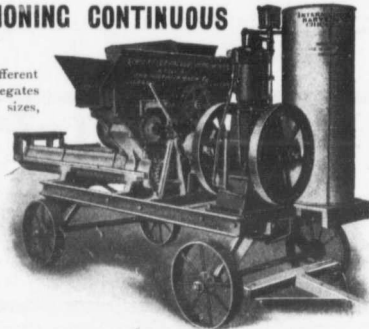
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CLASSIFIED INDEX OF ADVERTISERS

ACCIDENT INSURANCE Page
 Ontario Accident Insurance Co. 19

BLUE PRINTS
 Electric Blue Print Co. 13

BLOWERS
 Buffalo Forge Co. 8

BRICK
 Toronto Fire Brick Co. 12

BRIDGES (CONCRETE)
 Steel Concrete Co. 20

BRIDGES (STEEL)
 Canadian Bridge Co. 19
 Canada Foundry Co. 27
 Dominion Bridge Co. 20
 Jenks & Dresser. 16
 Phoenix Bridge and Iron Works. 12

CASTINGS (IRON)
 Laurie Engine & Machine Co. 16
 Rogers Manufacturing Co. 24

CEMENT
 Alpetta Portland Cement Co. 24
 Alsen Portland Cement Co. 18
 Baxter, Paterson & Co. 9
 Bremner, Alex. 20
 Canadian Portland Cement Co. 4
 DeSola, C. I. 11
 Gray & Bruce Portland Cement Co. 13
 Hyde & Co., F. 22
 Hanover Portland Cement Co. 14
 Lakefield Portland Cement Co. 14
 McNally & Co., W. 12
 Morrison & Co., T. A. 10
 Owen Sound Portland Cement Co. 13
 Ontario Portland Cement Co. 16
 Raven Lake Portland Cement Co. 22
 Stinson-Reeb Builders' Supply Co. 22
 Thorn Cement Co. 14

CONTRACTORS' SURETY BONDS
 United States Fidelity & Guaranty Co. 21

CONCRETE MIXERS AND MACHINERY
 Baxter, Paterson & Co. 9
 Dartnell, E. F. 10
 Goad, Shapley, & Muir 23
 Hopkins & Co., F. H. 28
 Ideal Concrete Machinery Co. 17
 London Concrete Machinery Co. 14
 Mussels Limited 3
 Morrison & Co., T. A. 20
 Toronto Pressed Steel Co. 11
 Vining Bros. Mfg. Co. 5

CONTRACTORS' PLANT
 Allis-Chalmers-Bullock. 7
 Beatty & Sons, M. 22
 Canada Foundry Co. 27
 Hopkins & Co., F. H. 28
 Harris & Co., W. 26
 Jenckes Machine Co. 13
 Locomotive & Machine Co. 20
 Mussels Limited 3
 Peat & Sons, James. 14
 Rogers Manufacturing Co. 24
 Toronto Pressed Steel Co. 11
 Wallington, G. P. 9

CONCRETE CONSTRUCTION
 Ambursen Hydraulic Construction Co. 11
 Baxter, Paterson & Co. 9
 Concrete Engineering & Construction Co. 24

CONTRACTORS' EMPLOYMENT BUREAUS
 North Western Employment Agency. 16
 Reliance Labor Exchange. 11
 Zarossi, Banco. 24

CORRUGATED IRON
 Metallic Roofing Co. 9
 Ormsby, A. B., Limited. 14

CRUSHERS (STONE AND ROCK)
 Allis-Chalmers-Bullock. 7
 Beatty & Sons, M. 22
 Canada Foundry Co. 27
 Dartnell, E. F. 10
 Hopkins & Co., F. H. 28
 Mussels Limited 3
 Morrison & Co., T. A. 20
 Sawyer & Massey Co. 16

DRILLING CONTRACTORS Pag
 Harvey, J. 24
 Peat & Sons, James. 14

DUMP WAGONS
 Chatham Wagon Co. 17

DEBENTURES
 Nay, Anderson & Co. 22
 Stimson & Co., G. A. 21

ENGINEERS AND CONTRACTORS
 British Columbia General Contract Co. 20
 Canadian White Co. 27

ENGINEERS (CIVIL)
 Chipman, Willis 23
 Connor, Clarke & Monds. 23
 Davis & Johnston. 24
 Fenson, C. J. 19
 Fielding, John S. 9
 Galt & Smith. 11
 Jackson, John H. 23
 Lea & Coffin. 23
 Leofred, A. 16
 Macallum, A. F. 21
 Smith, Kerry & Chase. 23
 McDougall & McRae. 11
 Parke, Roderick J. 23
 Scott, Wm. Fry. 21
 Simpson, T. T. 21

ENGINEERS (MECHANICAL)
 Farmer, John T. 10
 Galt & Smith. 11

ENGINES
 Allis-Chalmers-Bullock. 7
 Cameron & Co., Hugh 20
 Laurie Engine & Machine Co. 16
 Rogers Manufacturing Co. 24
 Sawyer & Massey Co. 16

ELECTRICAL APPARATUS AND SUPPLIES
 Allis-Chalmers-Bullock. 7
 Canadian Gen. Elec. Co. 27
 Drummond, McCall & Co. 18
 Northern Electric & Mfg. Co. 18

FIRE BRICKS
 Baxter, Paterson & Co. 9

FIRE APPARATUS
 Cameron & Co., Hugh 20
 Meadows, George B., Toronto Wire, Iron & Brass Works Co. 18
 McGregor & McIntyre. 11
 Morrison & Co., T. A. 20
 Seagrave, W. E. 16

HOISTING MACHINERY
 Allis-Chalmers-Bullock. 7
 Beatty & Sons, M. 22
 Canada Foundry Co. 27
 Georgain Bay Engineering Works. 9
 Hood & Sons, Wm. 19
 Hopkins & Co., F. H. 28
 Mussels Limited. 3
 Rogers Mfg. Co. 24

HYDRANTS
 Canada Foundry Co. 22
 Canadian Fairbanks Co. 24
 Canadian Iron & Foundry Co. 25
 Gartshore-Thompson Pipe & Foundry Co. 18
 Kerr Engine Co. 12
 McDougall Co., R. 21

LOCOMOTIVES AND RAILS
 Canada Foundry Co. 27
 Gartshore, John J. 19
 Hopkins & Co. 28
 Locomotive & Machine Co. 20
 Mussels Limited. 3
 Sessenwein Bros. 11

PLASTER BOARDS
 P. W. St. George. 13

PILE DRIVING
 Hood & Sons, Wm. 19
 Russell, John E. 19

PAVING AND PAVING MATERIALS
 Baxter, Paterson & Co. 9
 Cadwell Silix Stone Co. 18
 Forest City Paving Co. 13
 Ontario Asphalt Block Co. 23
 Pettypiece Silix Stone Co. 23
 Silica Barytic Stone Co. of Ontario. 20

PIPE (CAST IRON) Page
 Baxter, Paterson & Co. 9
 Canada Foundry Co. 27
 Gartshore-Thomson Pipe and Foundry Co. 18
 Gaudry & Co., L. H. 11
 Canadian Iron & Foundry Co. 25

PIPE (WOODEN)
 Canadian Pipe Co. 25
 Dominion Pipe Co. 25
 Pacific Coast Pipe Co. 25

PLUMBERS' SUPPLIES
 Somerville Limited. 5

PUMPS AND PUMPING MACHINERY
 Allis-Chalmers-Bullock. 7
 Canadian Buffalo Forge Co. 4
 Canadian Fairbanks Co. 24
 Canada Foundry Co. 27
 Drummond, McCall & Co. 18
 Mussels Limited. 3
 McDougall Caledonian Iron Works Co., John 19

ROAD MACHINERY
 Cameron & Co., Hugh 20
 Climax Road Machine Co. 13
 Heaman, George 27
 Morrison & Co., T. A. 20
 Mussels Limited 3
 Sawyer & Massey Co. 9

ROCK DRILLS
 Allis-Chalmers-Bullock 7

ROPE
 Allan, Whyte & Co. 21
 Dominion Wire Rope Co. 28
 Greening Wire Co., B. 21

STEEL BARS (CORRUGATED)
 Corrugated Steel Bar Co. of Canada. 16

STRUCTURAL IRON AND STEEL
 Baxter, Paterson & Co. 9
 Canada Foundry Co. 27
 Dominion Bridge Co. 20
 Jenks & Dresser. 16
 Locomotive & Machine Co. 20
 McGregor & McIntyre. 11
 Phoenix Bridge & Iron Works. 20

STONE
 Crushed Stone, Limited 16
 Doolittle & Wilcox. 21
 Rice & Co., C. W. 10
 Rogers Supply Co. 20
 Morrison & Co., T. A. 12

SHOVELS (STEAM)
 Allis-Chalmers-Bullock. 7
 Beatty & Sons, M. 22
 Canada Foundry Co. 27
 Hopkins & Co., F. H. 28
 Locomotive & Machine Co. 20
 Mussels Limited. 3
 Rogers Manufacturing Co. 24

SEWER PIPE
 Bremner, Alex. 20
 Canadian Sewer Pipe Co. 4
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 Hopkins & Co., F. H. 28
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TELEPHONE SUPPLIES
 Northern Electric & Mfg. Co. 18

TANKS AND STAND PIPES
 Canada Foundry Co. 27
 Ontario Wind Engine & Pump Co. 11

VALVES
 Canada Foundry Co. 27
 Canadian Fairbanks Co. 24
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Helion Electric Company, Limited, Toronto, incorporated to manufacture electric machinery and appliances, capital \$1,500,000. Directors, T. M. Moore, D. Stevenson, J. H. Gillian, E. E. R. Dickey and F. M. Troy.

Gordon Pulp & Paper Company, Limited, Dryden, Ont., incorporated, capital \$1,000,000. Directors, S. G. M. Nesbit, M. W. Murdoff and J. P. Lachart.

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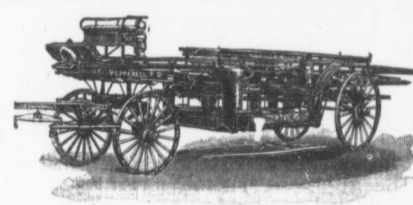
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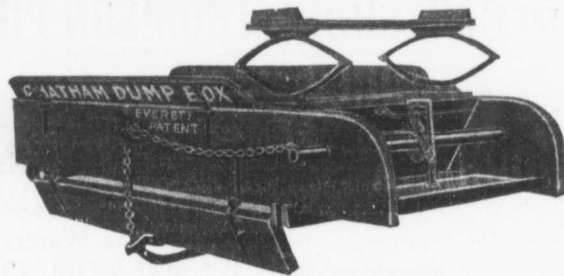
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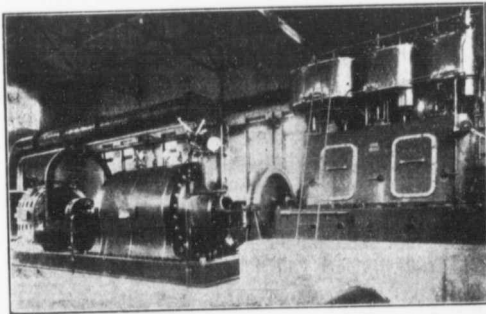
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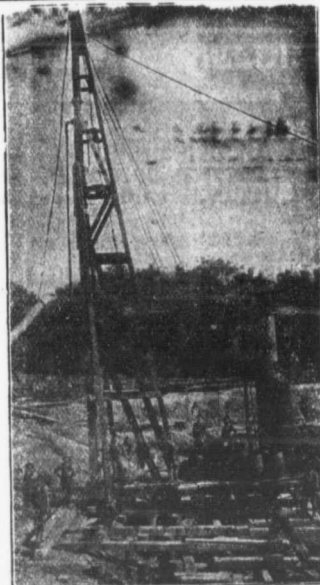
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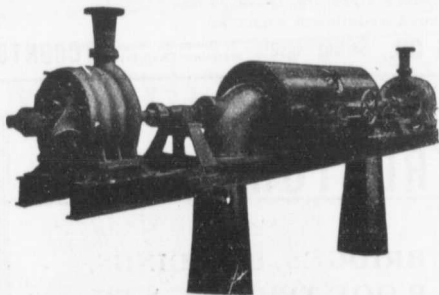
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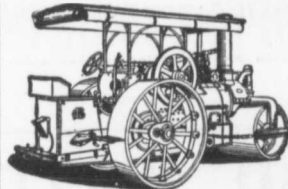
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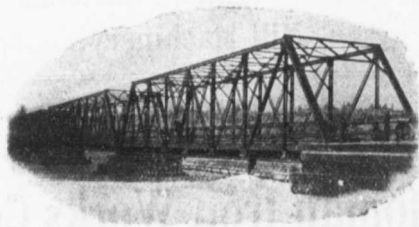
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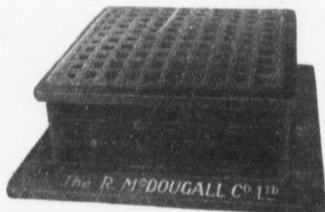
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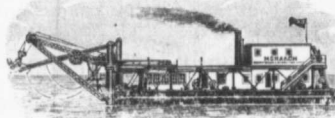
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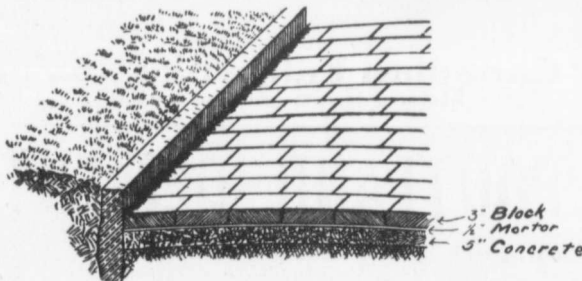
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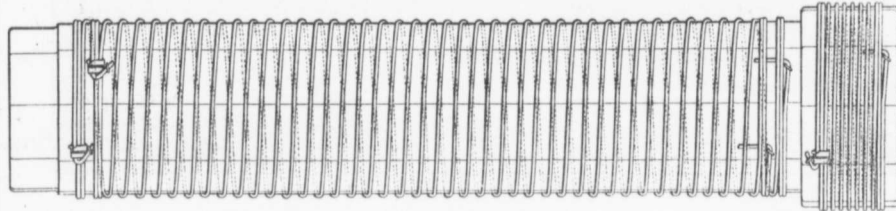
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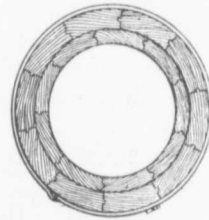
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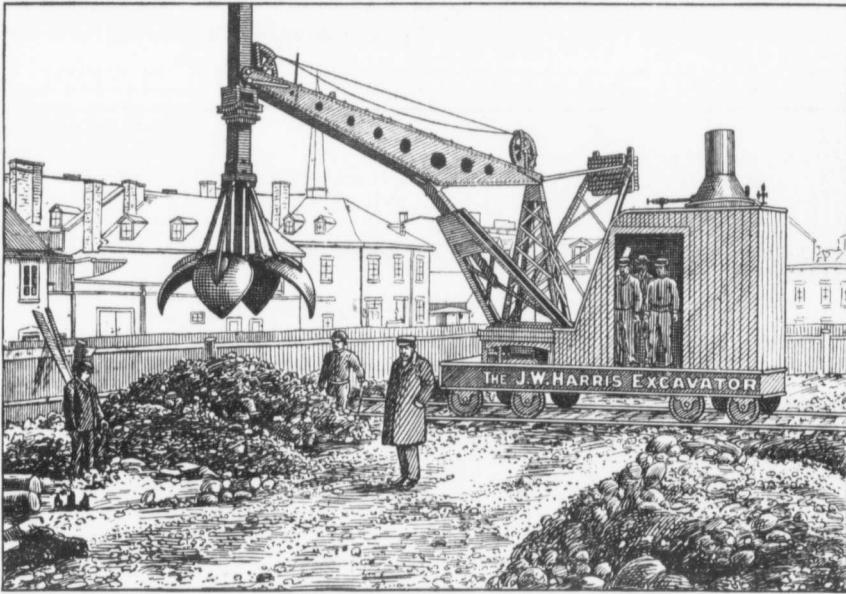
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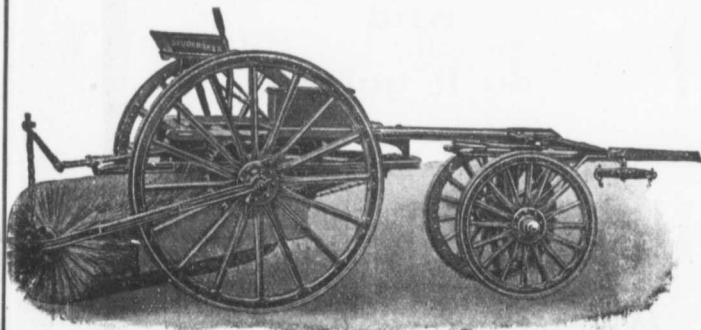
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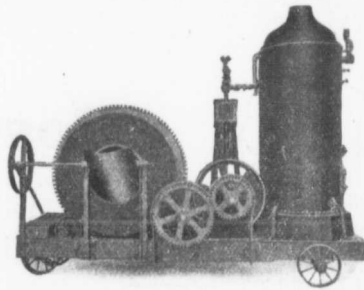
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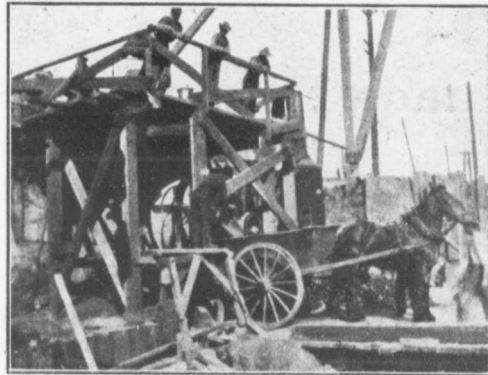


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