

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. 17.

TORONTO, MONTREAL — FEBRUARY 20, 1907 — WINNIPEG, VANCOUVER

No. 51

THE CANADIAN CONTRACT RECORD PUBLISHED EVERY WEDNESDAY

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of Toronto, Limited,

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in advance.

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should give prompt notice of same. In doing so
give both old and new address. Notify the pub-
lishers of any irregularity in delivery of papers.

TOWN OF SAINT BONIFACE TENDERS

The undersigned shall, up to 5 o'clock p.m., FRIDAY, MARCH 22, 1907, receive tenders for the supply of one Street Sprinkler and one Street Sweeping Machine.

Each tender must be accompanied by an accepted cheque or cash deposit for 5 per cent. of the amount of the tender.

The town reserves the right to reject any or all tenders.

J. B. COTE,
Secretary-Treasurer.

Dated at St. Boniface, February 14, 1907.

To Paving Contractors

The City of St. Catharines intends paving parts of Ontario, James, Queen, Church, Geneva, Queenston and Raymond streets in 1907 and invites final tenders for the paving of one or more of the same either in Vitrified Brick, Sheet Asphalt, Bitulithic, or Asphalt Block.

Tenders addressed to the Chairman of the Committee on Works will be received by the undersigned until 11th MARCH, 1907, at noon.

Plans and specifications may be seen and forms of tender obtained after 21st instant.

The lowest or any tender not necessarily accepted.

D. BENZIE, C. E.,
City Engineer.

St. Catharines, 12th February, 1907.

TENDERS WANTED

Sealed tenders, addressed to the undersigned, will be received up to 3 p. m. of MONDAY, MARCH 11th, 1907, for the construction of two Steel Bridges in the Township of East Zorra, Oxford County, Ont., and quarry stone or concrete abutments therefor. One truss span 70 ft. length and one beam span 24 ft. Both to have concrete floors with channel girders. Contractors to furnish sketch of plan and short description of proposed work. Distance of either from railway station about 3 miles. Tenders will be opened and contract awarded on above date at Hickson, if satisfactory offer be received.

JAMES ANDERSON,
Clerk East Zorra,
Hickson P. O., Ont.

For Sale

Two Canadian patents, covering Labor-Saving Device. Information given on application.

Box 512, St. Catharines, Ont.

CITY OF BRANDON

TENDERS FOR CEMENT

Sealed tenders addressed to the Chairman of Board of Works and endorsed "Tender for Cement" will be received by the undersigned until 12 o'clock noon of THURSDAY, APRIL 11, 1907, for supplying from 6,000 to 8,000 bbls. of Portland Cement to the City of Brandon.

Specification and form of tender may be obtained on application to W. H. Shillinglaw, City Engineer, Brandon, Man.

The lowest or any tender not necessarily accepted.

HARRY BROWN,
City Clerk.

Brandon, Manitoba, Canada, February 8, 1907.



Temiskaming and North- ern Ontario Railway Commission

TENDERS FOR OFFICE BUILDING

Sealed tenders addressed to the undersigned and endorsed "Tender for Office Building" will be received up to 5 p. m. on the 13th DAY OF MARCH, 1907, for the erection of a General Office Building at North Bay, Ontario.

Plans and specifications may be seen at the offices of the Commission, 25 Toronto Street, Toronto, and at the office of the Chief Engineer, North Bay.

A certified cheque for \$1,500 must accompany each tender.

The successful tenderer must enter promptly into a contract and furnish security for the amount of \$10,000 for due completion of same. Cheques of unsuccessful tenders will be returned to them.

The lowest or any tender not necessarily accepted.

A. J. McGER,
Secretary-Treasurer.

Toronto, February 9th, 1907.

Papers inserting this advertisement without authority will not be paid for same.

WANTED

Two Stiff Leg Derricks in good repair, mast 35 feet, boom 65 to 70 feet, capable of lifting seven tons, with or without swinging wheel.

THE CADWELL SAND & GRAVEL CO.,
Box 117, Windsor, Ont.

CITY OF REGINA

Pavements Construction

The City Clerk will receive sealed tenders, marked "Tender for Pavements", on behalf of the Corporation of the City of Regina, up to and inclusive of FRIDAY, THE FIRST DAY OF MARCH, 1907, until five o'clock p. m., for the construction of any kind of pavement in whole or part to be laid down in the City of Regina, as follows:

PROPOSED PAVEMENTS

	Between	Width Feet.	Sq. Yds.
Albert	South Ry. and Victoria	36	5,600
Victoria	Albert and Broad	36	11,300
Broad	Victoria and Eleventh	36	4,400
Osler	Tenth and Eleventh	41	2,150
Tenth	Osler and Halifax	41	1,600
Eleventh	Broad and Osler	41	1,600
Eleventh	Scarth and Lorne	41	3,200
Twelfth	Broad and Albert	32	10,500
Rose	Eleventh and Victoria	41	5,300
Hamilton	Eleventh and Victoria	41	5,300
Cornwall	South Ry. and Twelfth	41	4,800
Lorne	South Ry. and Victoria	32	5,900
Smith	South Ry. and Victoria	32	5,900
McIntyre	South Ry. and Victoria	32	5,700

Every tender must be accompanied by a certified cheque payable to the order of the City of Regina for five per cent. of the amount tendered for.

The lowest or any tender not necessarily accepted.

ANGUS SMITH, J. KELSO HUNTER,
City Engineer, City Clerk.

Regina, Sask., 6th February, 1907.

CITY OF SASKATOON PROVINCE OF SASKATCHEWAN

WATER WORKS AND SEWERAGE

Tenders will be received by the Secretary-Treasurer the City of Saskatoon until 8 p. m. on

WEDNESDAY, MARCH 20TH, 1907

for the following works:

Contract "A"—Labor on Pipelaying for Water Works and Sewerage, comprising about 27,000 feet of trenching.

Contract "C"—Concrete Foundation for Water Tower.

Contract "L"—Housing for Water Tower.

Contract "S"—Sedimentation Basin.

Plans, specifications, etc., may be seen at the office of the Chief Engineer, 103 Bay Street, Toronto, Ont., or at the office of the Resident Engineer, Saskatoon, Sask.

No tender necessarily accepted.

JAS. R. WILSON, Esq., WILLIS CHIPMAN,
Mayor, Chief Engineer,
Saskatoon, Sask., 103 Bay St.,
Toronto, Ont.

ADAM TURNER, Esq.,
Saskatoon, Sask.
Sec.-Treas.

[FOR ADDITIONAL ADVERTISEMENTS FOR TENDERS SEE NEXT PAGE]

WANTED

First-class architectural draughtsman (with engineering experience preferred) details, specifications. Salary and experience to Tripod care CONTRACT RECORD, Toronto.

TENDERS

will be received up to noon on SATURDAY, 23RD INST. for the masonry and cut stone work required in the completion of the tower of St. Patrick's Church on McCaul street.

A. W. HOLMES, Architect,
10 Bloor Street East, Toronto.

Contractors' Notice

If you are tendering on any work in **NORTHERN ONTARIO** we are prepared to give right figures on heating and plumbing work.

CAVEN & MONCEON,
Sturgeon Falls, Ont.

TENDERS

Sealed tenders, addressed John McMorine, Esq., Mayor, Richmond Que., marked "Tenders re Town Hall," will be received up to SATURDAY, MARCH 27th, 1907, at four p.m., for the Remodelling of the Town Hall in accordance with the plans and specifications deposited in the town office. No tender necessarily accepted. Further information on application to

E. F. CLEVELAND,
Secretary-Treasurer,
Richmond, Que.

TENDERS FOR SUPPLY OF 30 MILES OF WATER PIPE

Sealed tenders addressed to the Chairman of the Fire, Water and Light Committee for the supply of thirty miles of assorted water pipe and quantity of specials for the City Water Works, will be received at the office of the undersigned up to a 30 p.m. on

FRIDAY, MARCH 1, 1907.

Specifications and forms of tender may be obtained at the office of H. N. Ruttan, City Engineer, Winnipeg, Man.

Each tender must be accompanied by an accepted cheque or draft payable to the order of the City Treasurer, or cash deposit for the sum called for in the form of tender supplied, which will be subject to forfeiture in case of failure on the part of the contractor to enter into a written contract with approved sureties if called upon to do so.

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

C. J. BROWN,
City Clerk

City Clerk's Office, Winnipeg, December 8, 1906.

**CITY OF MOOSE JAW
PROVINCE OF SASKATCHEWAN****DEBENTURES FOR SALE**

Sealed tenders, addressed to the undersigned Secretary-Treasurer of the City of Moose Jaw, will be received up to five o'clock p. m., on MONDAY, THE ELEVENTH DAY OF MARCH, 1907, for the purchase of the following Debentures of the City of Moose Jaw, amounting in all to the sum of \$135,865.67, made up as follows:

\$20,000.00 for the construction and conducting of a Gravity Supply of Water to the City of Moose Jaw, spread over a period of fifty years and dated the first day of November, 1906, bearing interest at the rate of five per cent.

\$10,000.00 for the construction of a Fire Hall in the City of Moose Jaw, spread over a period of fifty years and dated the first day of December 1906, bearing interest at the rate of five per cent.

\$6,865.67 for the construction of Granolithic Sidewalks throughout the City of Moose Jaw, spread over a period of 10 years and dated the fourteenth day of November, 1906, bearing interest at the rate of five per cent.

Principal and interest payable in equal annual instalments at the Canadian Bank of Commerce, Moose Jaw.

The highest or any tender not necessarily received. For further particulars apply to

JOHN D. SIMPSON,
Secretary-Treasurer.

Moose Jaw, February 12th, 1907.

CONTRACTS OPEN.

HULL, QUE.—The Ottawa Wood Bending Co. will erect a new factory here.

OLDS, ALTA.—T. L. Buckton and associates intend erecting a large flour mill here.

GALT, ONT.—The Dominion Express Co. are considering the erection of a new building.

WINGHAM, ONT.—The Canadian Bank of Commerce intend erecting a building in this town.

STRATFORD, ONT.—J. Way has purchased property on which to erect a three-storey brick building.

STRATHCLAIR, ALTA.—J. M. Grassie will erect a three-storey brick hotel here at a cost of \$10,000.

TORONTO JUNCTION, ONT.—A. Webb, contractor, invites tenders for excavation at Heintzman Piano Works.

PICTOU, N. S.—The Magdalene Islands Development Company will erect large cold storage warehouses in this village.

AMHERST, N. S.—The Intercolonial Railway will shortly take tenders for erection of brick and stone station building.

ST. BONIFACE, MAN.—R. Cote, Town Secretary-Treasurer, will receive tenders up to March 15th for supply of 25 hydrants.

CALGARY, ALTA.—W. B. Sherman, manager of the Lyric theatre, has purchased property on which to erect a new theatre building.

CHELTENHAM, ONT.—A new school house is to be erected by the ratepayers of school section No. 22, township of Chinguacousy.

LONDON, ONT.—E. Bourne intends erecting a block of stores three stories high at a cost of \$17,000. J. L. Thomas, C.E., is architect.

WOODSTOCK, N. B.—The Town Council will shortly take tenders for laying of new suction pipe and putting in steam for turbine pump.

EDMONTON, ALTA.—The City Council are considering the question of constructing septic tanks in connection with the sewerage system.—Tenders wanted by the Corporation for 5,000 barrels of cement.

HILLIER, ONT.—The Bloomfield Packing Co. are said to be interested in the erection of a new canning factory in this village at a cost of \$30,000.

FORT WILLIAM, ONT.—The Town Council have filed plans with the Railway and Municipal Board for the proposed municipal street railway system.

SHERBROOKE, QUE.—The Rand Drill Company are having plans prepared for a two-storey machine shop 80 x 200 feet and a storehouse 80 x 40 feet.

LACOMBE, ALTA.—T. C. King, architect, will receive tenders up to February 23rd, for erection of a three-storey hotel building in this town.

SASKATOON, SASK.—The City Council will have C. H. Mitchell, C. E., report on the question of developing power on the Saskatchewan river at this point.

FRANKLIN, MAN.—E. H. Sharpe, Secretary-Treasurer of Franklin Union School District, will receive tenders up to March 2nd for erection of a school building.

PORTAGE LA PRAIRIE, MAN.—The Huber Manufacturing Co., of Marion, Ohio, have amalgamated with the Portage Iron & Machine Co., of this city. Large factories will be erected here by the new concern.

LISTOWEL, ONT.—W. E. Binning, architect, is taking tenders up to February 23rd for erection of a brick and cement block school house in township of Elma.

WOODSTOCK, ONT.—The City Council are seeking the approval of the Municipal and Railway Board in issuing debentures for \$3,550 for extension of waterworks system.

PETERBORO, ONT.—The City Council are asking the Municipal and Railway Board to approve of an issue of debentures for \$10,000 for the extension of waterworks system.

ST. GEORGE, ONT.—Dr. Addison will receive tenders up to March 12th for erection of a church in this village. Plans with above gentleman and G. W. Hall, architect, Brantford, Ont.

BURNS, ONT.—The Morington Township Council have instructed G. L. Griffith, C. E., of Millbank, to prepare plans for a steel and concrete bridge to be constructed over the Milverton river.

GRAND FALLS, N. B.—A new system of waterworks is to be installed in this town.—A new school building and Roman Catholic church will be erected, the former to cost \$20,000, the latter \$50,000.

NEW WESTMINSTER, B. C.—E. J. Fader invites tenders for erection of new hotel building to cost \$60,000.—E. J. Fader and associates intend establishing a large lumber industry in this city, and will construct several wharves.

VICTORIA, B. C.—F. M. Rattenbury, architect, is taking tenders up to March 13th for erection of a large frame hotel at Prince Rupert, B. C.—Plans have been prepared for the rebuilding of the British Columbia Marine Railway Company foundry.

VANCOUVER, B. C.—J. F. Deeks has had plans prepared by Hooper & Watson for the erection of a five-storey brick and stone block on Hastings street.—L. G. Wing will erect an eight-storey office building corner of Hastings and Abbott streets.

REGINA, SASK.—J. Kelso Hunter, City Clerk, will receive tenders up to March 1st, for construction of \$73,350 square yards of any kind of pavement to be laid in this city, also up to March 4th for purchase of \$180,000 4½ per cent. debentures.

HALIFAX, N. S.—The Royal Bank have purchased property on George street, on which a new building will be erected.—The Starr Manufacturing Company have amalgamated with the Dartmouth Rolling Mills Company, and the plant of the new concern will be greatly enlarged.

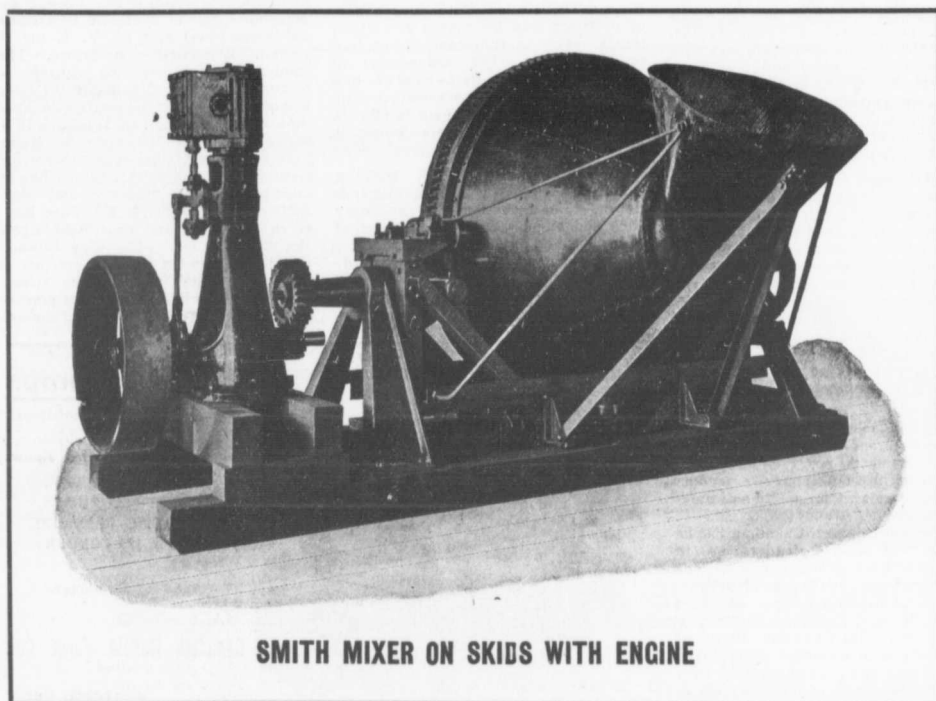
BRANTFORD, ONT.—The Ham & Nott Co. are considering the erection of a new building and installation of new power plants at a cost of \$100,000.—The Massey-Harris Co. will erect additions to their buildings to cost \$25,000.—J. Mann & Sons will establish a brick plant in this city with a capacity of 30,000 brick per day.

YORKTON, SASK.—The Town Council will ask the ratepayers to authorize an issuance of debentures for \$10,000 with which to purchase controlling interest in the local telephone company.—The Hospital Board have decided to erect a new wing to the present building, and also to build a nurses' home, total cost \$10,000.

STRATHCONA, ALTA.—The Canadian Pacific Railway intend erecting a new station here, to cost \$20,000, also a round house, freight sheds and other buildings.—The City Council will shortly call for competitive plans for the new Municipal hospital.—The City Council

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MUSSENS LIMITED

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MONTREAL

are considering the question of constructing septic tanks in connection with the sewerage system.

BRANDON, MAN.—The Town Council will shortly call for tenders for supply of from six to eight thousand barrels of cement, also for supply of 200 half inch corporation stops, 240 half inch curb stops, 15,000 half inch lead pipe and 240 service boxes.

SUMMERLAND, B.C.—A. G. Campbell will receive tenders up to February 23rd for erection of a three-storey College building. Plans with W. A. Elliott, Brandon, Man., and Moose Jaw, Sask.; Builders' Exchange, Winnipeg; and British Columbia Land & Investment Co.'s office, Vancouver.

FREDERICTON, N. B.—C. H. La Biliou, Department of Public Works, will receive tenders up to February 25th for rebuilding portion of bridge at Newcastle, N. B. Plans at office of above department and office of L. W. Tweedie, Chatham, N.B., also up to March 4th for construction of one metal superstructure span at St. George, N. B.

HAMILTON, ONT.—The Hamilton Incubator Co. have taken out a permit for the erection of a brick factory corner of Shaw and East avenue, cost \$6,000.—The City Council are asking the Ontario Government for authority to issue debentures for \$116,000 to cover amount of the over draft for past two years.—It is reported that a new Presbyterian church is to be erected in the south east part of the city at a cost of \$75,000.

WINNIPEG, MAN.—It is reported that the Robert Simpson Co., of Toronto, have purchased property on Portage avenue from Colony to Vaughan streets, with the intent on erecting thereon a large departmental store building.—H. B. Rugh, architect, will receive tenders up to February 22nd for erection of warehouse for Hagur, Armington & Co.—F. Lee, Division Engineer Canadian Pacific Railway, will receive tenders up to February 28th for construction of stations and section houses on the central division. Plans at Company's offices, at Fort William, Kenora, Brandon, Moose Jaw and this city.—The Chairman Board of Control will receive tenders up to March 7th for supply and erection of two steel caissons 15 feet in diameter by 43 feet in

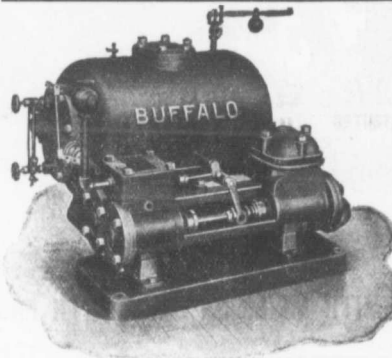
depth. Specifications with City Engineer.

OTTAWA, ONT.—It is probable that the dam to be constructed above the Chaudiere Falls will be commenced this summer. Estimated cost \$60,000.—Property on Laurier avenue has been purchased in the name of Miss E. Taylor, of this city, on which a fire proof apartment house will be built at a cost of \$50,000; Mrs M. A. Turner will erect a residence on Laurier avenue at a cost of \$10,000; J. E. Wilson has purchased building and property at 188 Albert street, and will replace the present building by a more substantial one.—Improvements are to be made to the First Baptist church, cost \$15,000.—The Chairman of Municipal Electric Department, will receive tenders up to March 2nd for supply of meters, transformers, incandescent lamps and sundry supplies.—The management of the Ottawa Turkish Baths have decided to spend \$20,000 in improvements to their building.—The D. V. Rogers Syndicate will erect a rink building 30 x 180 feet at a cost of \$40,000.

MONTREAL, QUE.—A building permit has been issued to MacVicar & Heriot, for the erection of a two-storey brick and stone armoury for Prince of Wales Fusiliers, estimated cost \$40,000.—J. Strachan has purchased property adjoining his present premises and will make additions to his building.—The Phoenix Bridge Iron Co. have pur-

chased property on Shannon street on which to erect an extension to their machine shop.—Tenders have been invited for erection of a ten storey fire proof building on Victoria Square for the Eastern Townships Bank.—The City Surveyor has asked for an appropriation of \$2,000,000 for road improvements.—W. T. Whitehead is promoting a company who intend establishing a large cotton mill at Maisonneuve.—M. Workman has purchased property on St. Catharines street on which he will erect a seven storey building.—Notre Dame Hospital, Montreal, is planning to raise \$500,000 to complete its new building.

TORONTO, ONT.—A. J. Rattray, architect, 18 Toronto street, is preparing plans for a pair of houses to be erected on Queen street east for R. Evans of Cobalt. Estimated cost \$7,000. The same architect is preparing plans for a factory for the Merchants Counter Cheque Book Co. to be erected on Spadina avenue, at a cost of \$14,000.—It is understood that McKenzie & Mann have asked the Ontario Government for assistance in the construction of a line of railroad between Sudbury and Port Arthur.—Marchmont & Co. have leased 160 acres of land near Ashbridge's Bay from the city.—The King Edward Hotel management purpose erecting a eight storey building on Duke street, plans for which E. J. Lennox is preparing. Estimated cost \$75,000. They will



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THE CANADIAN PORTLAND CEMENT CO., LIMITED

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GENERAL OFFICE AND FACTORY

Corner Notre Dame and Guy Street, MONTREAL

also add two-stories to their hotel building on King street.—J. J. Walsh & Co. propose to erect 65 or more houses in Parkdale ranging in cost from \$3,500 to \$6,000 apiece. Hobberlin Bros. & Co. have purchased property adjoining their store on Yonge street on which they will erect a four-storey structure at a cost of \$40,000.—The City will call for new tenders for improvements to Rose avenue fire-hall.—Canon Walsh, Rev. E. C. Cayley and others, are considering the erection of a new of a building to be used as a residence for business women.—The Confederation Life Association have definitely decided to erect a large addition to their building.—The City Engineer has recommended that the following pavements be laid: Asphalt pavements, Clinton street, Barton to Yarmouth road, cost

\$7,364; Brant street, cost \$4,805; Gerard street, Sherbourne to Parliament streets, cost \$11,948; Aberdeen avenue, cost \$1,891. Bitulithic pavements, St. Patrick street, from Bathurst street nearly to Casimir street, cost \$4,529; Carr street, Esther to Ryerson streets, cost \$4,475; Balmoral avenue, cost \$4,028.—The Board of Education have decided to add a room to the following schools: Cottingham street, Brock avenue, Huron

street, Grace street and Parkdale.—Chairman of the Board of Control will receive tenders up to March 5th for construction of a one million gallon compound duplex pumping engine. Specifications at City Engineer's office.—Symons & Rae, architects, 15 Toronto street, are taking tenders up to February 20th for erection of a Sunday school building for

"PRIESTMAN'S" EXCAVATOR AND DREDGER

It seems peculiar that the "PRIESTMAN'S" EXCAVATOR AND DREDGER is not used in Canada as it is all over the rest of the world, inasmuch as it will do more work with less labor than any Excavator at present in use and the first cost is less than most. For particulars write **G. P. WALLINGTON,** Canadian Representative, 11 Front Street East, Toronto.

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Note Solid Shank

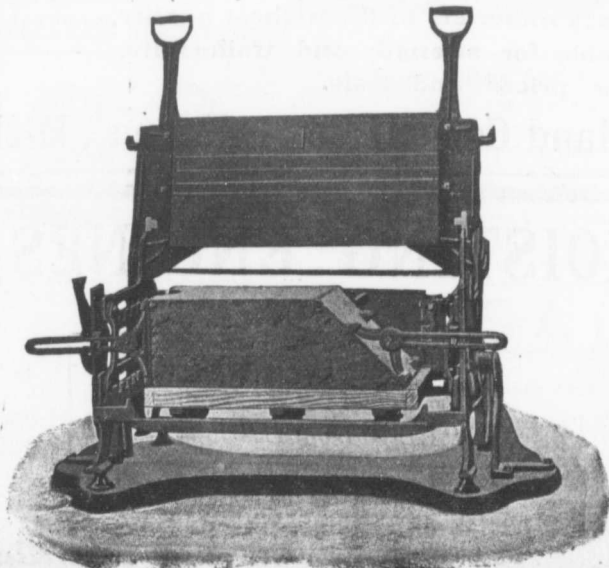
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Niagara Falls, - Can.

St. Matthews church.—E. J. Lennox, architect, will receive tenders up to February 26th for erection of brick warehouse on Richmond street east.—C. F. Wagner, architect, 28 Toronto street, will receive tenders up to Feb. 23rd for all trades required in erection of addition to Freyseng Cork Co.'s warehouse on Sumner street.—The City Architect has issued the following building permits: H. Nelson, 1 pair semi-detached 2 storey brick dwellings, Rushville road, cost \$6,000; Wm. Berry, 2 storey and attic brick dwelling, 553 Shaw street, cost \$2,500; H. F. Sanders, 2 storey brick dwelling, Pearson avenue, cost \$3,300; M. A. Pennock, 2 pair semi-detached 2 storey and attic brick dwellings, corner Arthur and Claremont streets, cost \$9,000; James Kerr, 2 storey brick dwelling, St. Annes road, cost \$3,500; M. Hutchinson, pair semi-detached 2 storey brick dwellings, Shannon street, cost \$7,500; C. Withers, 2 storey brick dwelling, Hawthorne avenue, cost \$4,000; A. E. Peglar, 2 storey rough-cast store and dwelling, brick front, corner Pape avenue and Smith street, cost \$3,500; Rev. E. S. Iveright, 3 attached 2 storey and attic rough-cast dwellings, Westmoreland avenue, cost \$3,700.

RAPID CITY, MAN.—W. C. Ken wants tenders for a business block and Oddfellows' Hall.

NEEPAWA, MAN.—Fusee & McFeeters want tenders by March 2 for erection of school.

BRANDON, MAN.—W. A. Elliott, architect, this city, wants tenders for erection of brick and stone cottages building by February 26 and for erection of college building by March 4. Plans at Winnipeg Builders' Exchange.

WINNIPEG, MAN.—A two-storey addition is to be put on the Stobart Company's warehouse immediately.—Kettle River Quarries Company are considering purchase of a ten-ton roller for Winnipeg work.—City of Winnipeg will shortly purchase a granite crusher.—Jewett & Tuttle, architects, are taking tenders for brick and stone Baptist church.

CONTRACTS AWARDED.

DOURO, ONT.—Installation of hot water heating system in residence for Rev. Father Keilty. F. R. J. Macpherson, this village, contractor.

VICTORIA, B. C.—Erection of additions to premises of Sylvester & Co. Humber & Co., this city, successful tenderers at \$6,000.

BARNESDALE, ONT.—Rebuilding of wine cellars for Ontario Wine Company. G. Wilson Building & Contracting Co., St. Catharines, contractors.

NIAGARA FALLS SOUTH, ONT.—Supply and installation of two electric generators of 13,500 horse power each, awarded to Westinghouse Company, Limited, Pittsburg, Pa.

OTTAWA, ONT.—Erection of new round house at Halifax, N. S., for Dominion Government. Rhodes, Curry & Co., Amherst, N.S., successful tenderers at approximately \$80,000.

LUCKNOW, ONT.—Erection of Lucknow Public Library building. H. Prast, Hanover, Ont., contractor. Interior woodwork in same building. D. Stevenson, Chesley, Ont., contractor.

MONTREAL, QUE.—\$275,000 4 per cent. Montreal Protestant School District building bids awarded to R. W. Smith, this city, at 99.50. Other bidders, Wood, Gundy & Co., Toronto, 96.40; E. H. Gay & Co., this city, 95.33. All tenders included accrued interest.

BROCKVILLE, ONT.—The following contracts have been awarded the James Smart Manufacturing Co.: Installation of the Kelsey system of heating and ventilating in Separate School, Emburn, Ont.; Baptist church, Colborne, Ont.; and Public school, Clarkesburg, Ont.

LONDON, ONT.—The Board of Works have awarded the following contracts for supplies for the municipality: Cement walks, section 1, Wm. Taylor, 9¼ cents per square foot; section 2, Silica Barytic Co., 10 cents per square foot; section 3, George Norton, 9¼ cents per square foot; section 4, W. J. Anthistle, 9¼ cents per square foot; iron castings, Jas. Cowan & Co., \$2.70 per cwt.; corner irons, Gleeson Bros., \$4 per cwt.; cement, E. E. Skuse, \$2.50 per barrel; sewer pipe, E. E. Skuse;

concrete sewer pipe, W. J. Anthistle and E. North.

TORONTO, ONT.—Tenders received for improvements to Rose avenue fire hall were considered too high. The following were the lowest bids received: Masonry, E. Gearing, \$3,637; carpenter work, R. Dinnis & Son, \$3,997; plastering, Beaver & Co., \$480; tile work, Brookes Sanford Co., \$179.20; plumbing, J. G. Gray, \$827; heating, W. J. McGuire, \$650; roofing, A. Matthews, \$419; painting and glazing, J. R. Robinson \$296—total, \$9,485.20. Construction of 40 miles of track for Temiskaming and Northern Ontario Railway, from McDougall's Chute to junction with Grand Trunk Pacific Railway. McRae, Chandler & McNeill, Quebec, Que., successful tenderers.—Supply of 65,000 tons of rails for Temiskaming and Northern Railway. Algoma Steel Co., Sault Ste. Marie, Ont., successful tenderers.

FIRES.

Wier's machine shop, Moncton, N. B., loss \$10,000.—Canadian Northern Railway's round house, Brandon, Man., loss \$15,000.—Ferrie Bros.' building, North Battleford, Sask., loss \$3,000.—Public school building, Selkirk, Man., loss, \$20,000.—Gould, Shapely & Muir's factory, Brantford, Ont., damage \$13,000.—Elevator of Winnipeg Elevator Co., West Selkirk, Man., loss \$6,000.—Premises of Swift, Copeland & Co., Montreal, Que., considerably damaged.—British Columbia Marine Railway Co.'s foundry, Victoria, B. C., damage \$8,000.—Buildings occupied by Olds Machine Co., J. S. Mitchell & Co. and Kerr & Foss, at Sherbrooke, Que., totally destroyed.—Queens Hotel block, Ridgeway, Ont., loss \$20,000.—Parish church at St. Aime, Richelieu County, Que., loss \$75,000.—Carriage factory of J. Labelle and adjoining premises at Pont Viau, Back River, totally destroyed.—Maritime engineering Co.'s foundry, Moncton, N. B., considerably damaged.

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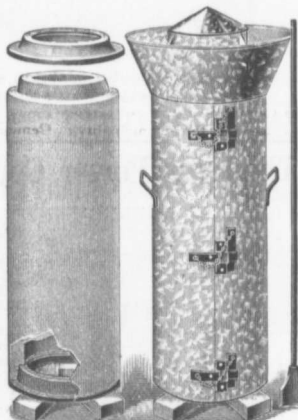
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PERSONAL.

Mr. C. B. Bowman, town secretary-treasurer of Lethbridge, Alta., has resigned.

Mr. Robert Fotheringham has been appointed Building Inspector of the City of Ottawa.

Mr. J. A. Fowler, formerly a prominent contractor, died at his home at St. John, N. B., on February 2nd.

Mr. Clifford Moon has accepted the position of City Engineer at Prince Albert, Sask., at a salary of \$1,800 per year.

Mr. Wm. Teetzel, formerly a prominent contractor, died at his home at St. Thomas, Ont., on February 13th at the advanced age of 84 years.

Mr. G. J. Evans, at present chief draughtsman in the motive power department of the Canadian Pacific Railway, Montreal, has been appointed chief inspector with headquarters at Philadelphia, Pa.

Mr. J. Harvey, the well-known contractor and driller of oil, gas and artesian wells, has removed from Petrolea to Greensville, Ont. Mr. Harvey has had twenty years experience in the Canadian oil fields.

Mr. J. W. Leonard, assistant to First Vice-President McNichol, of the Canadian Pacific Railway at Montreal, will shortly sever his connection with that company and,

it is understood, will establish a contracting business.

Mr. L. H. Wheaton, who for thirteen years has been connected with the Coast Railway Company at Yarmouth, N. S., has accepted the appointment of engineer of maintenance of way and structures of the Halifax & South-Western Railway.

On February 4th Mr. William Eason died at his home at Stratford at the advanced age of 81 years. Deceased came to Canada from Scotland in 1884, and a few years later commenced business as a builder and contractor in Stratford, where he erected some of the most prominent buildings.

NOTES.

E. Roy & Co., contractors, Montreal, Que., have dissolved partnership.

Sveinbjornson & Emerson, builders, Winnipeg, Man., have dissolved partnership.

William Patton, contractor, London, Ont., is reported to have assigned to J. Dawson.

W. Grimard and X. Boutin, contractors, Montreal, Que., have registered as Grimard & Boutin.

H. G. Eadie and H. P. Douglas, of Montreal, have formed a partnership to carry on a building and contracting business.

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**ANNUAL CONVENTION OF THE
CANADIAN SOCIETY OF CIVIL
ENGINEERS.**

The 21st annual convention of the Canadian Society of Civil Engineers was held at Montreal, Que., on the 30 and 31 of January. The report of the Council was presented and showed the past year to have been a most successful one for the Society. The membership has increased by 250 members and the finances of the Society are in very good condition.

At the annual banquet which was held at the Windsor Hotel, about 200 members were in attendance. In the unavoidable absence of Mr. H. S. Lumsden, Mr. M. J. Butler, Deputy Minister of Railways and



Mr. W. McLEA WALBANK,
President Canadian Society Civil Engineers.

Canals, presided. The toast of "The Society" was proposed by Lieut. Col. G. W. Stephens, who congratulated the Society upon its advancement and also stated that in his capacity as Chairman of the Montreal Harbor Commission he would see that no foreign engineering aid should be sought for so long as qualified Canadians were available. Major Howard Stuart also replied briefly. Other toasts were proposed and responded to and a most enjoyable time was spent.

During the final session of the

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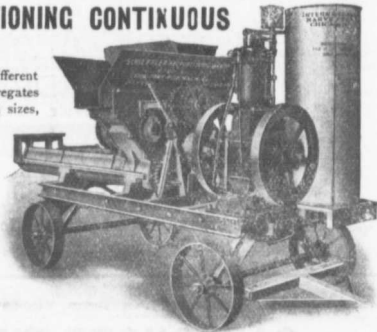
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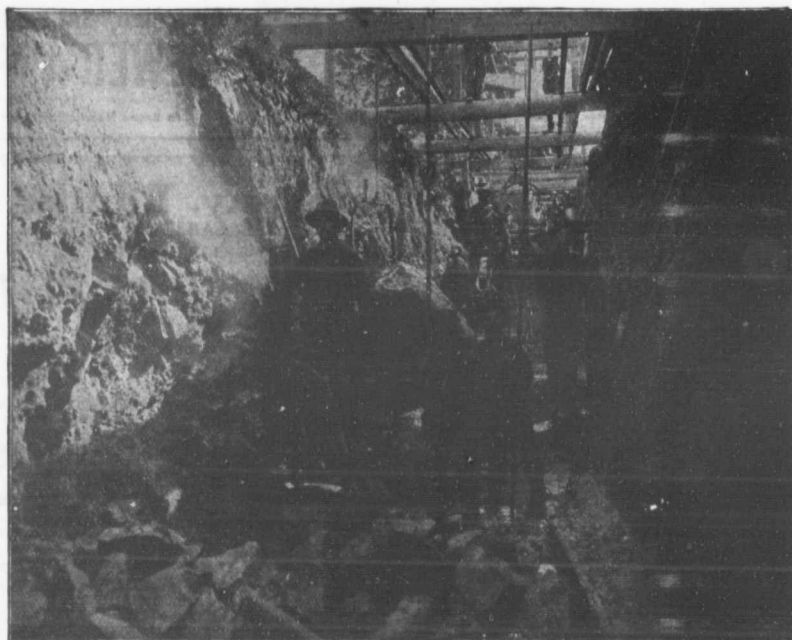
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Association the following officers were elected for this year:—President, W. McLea Walbank; vice-presidents, M. J. Butler, P. Johnson, J. S. Denis; councillors, G. A. Keefer, D. McPherson, G. H. Duggan, C. E. W. Dodwell, C. H. Rust, W. McNab, W. F. Type, E. V. Johnson, W. H. Breithaupt, J. A. Jamieson, R. S. Lea, R. A. Ross, John Kennedy, F. P. Gutelius, W. H. Laurie, R. J. Durlay, L. G. Papineau, J. Hardman, and A. A. Dion.

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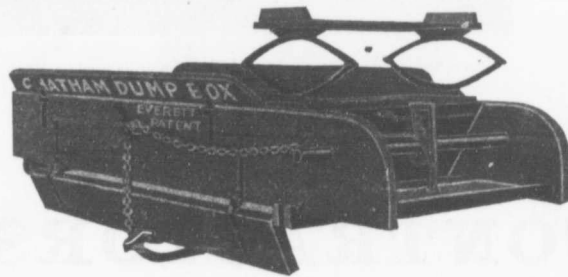
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CRUSHERS (STONE AND ROCK)		PAVING AND PAVING MATERIALS		Bremner, Alex.	15
Allis-Chalmers-Bullock	11	Baxter, Paterson & Co.	10	Canadian Sewer Pipe Co.	10
Beatty & Sons, M.	22	Brunet, Joseph	15	Dominion Sewer Pipe Co.	12
Canada Foundry Co.	23	Forest City Paving Co.	18	Toronto Pottery Co.	22
Dartnell, E. F.	8	Ontario Asphalt Block Co.	18	SHOVELS	
Hopkins & Co., F. H.	24	Silica Barytic Stone Co. of Ontario	15	Canadian Shovel & Tool Co.	5
Mussens Limited	3	PIPE DRIVING		Hopkins & Co., F. H.	24
Morrison & Co. T. A.	20	Hood & Sons, Wm.	19	Mussens Limited	3
Sawyer & Massey Co.	16	Russell, John E.	19	TELEPHONE SUPPLIES	
DRILLING CONTRACTORS		PLASTER BOARDS		Northern Electric & Mfg. Co.	4
DUMP WAGONS		P. W. St. George	20	TANKS AND STAND PIPES	
DEBENTURES		PILE DRIVING		Canada Foundry Co.	23
ENGINEERS AND CONTRACTORS		Hood & Sons, Wm.	19	Ontario Wind Engine & Pump Co.	18
ENGINEERS (CIVIL)		Russell, John E.	19	VALVES	
ENGINEERS (MECHANICAL)		PAVING AND PAVING MATERIALS		Canada Foundry Co.	23
ENGINES		Baxter, Paterson & Co.	10	Canadian Fairbanks Co.	20
ELECTRICAL APPARATUS AND SUPPLIES		Brunet, Joseph	15	Canadian Iron & Foundry Co.	9
FIRE BRICKS		Forest City Paving Co.	18	Gartshore-Thomson Pipe & Foundry Co.	9
FIRE APPARATUS		Ontario Asphalt Block Co.	18	Kerr Engine Co.	8
HOISTING MACHINERY		Silica Barytic Stone Co. of Ontario	15	McDougall Co., R.	21
HYDRANTS		PIPE DRIVING		ROAD MACHINERY	
LOCOMOTIVES AND RAILS		Hood & Sons, Wm.	19	Cameron & Co., Hugh	16
PLASTER BOARDS		Russell, John E.	19	Climax Road Machine Co.	7
PILE DRIVING		PAVING AND PAVING MATERIALS		Heaman, George	23
PIPE DRIVING		Baxter, Paterson & Co.	10	Morrison & Co., T. A.	13
PUMPING MACHINERY		Brunet, Joseph	15	Mussens Limited	3
ROAD MACHINERY		Forest City Paving Co.	18	Sawyer & Massey Co.	16
ROCK DRILLS		Ontario Asphalt Block Co.	18	STEEL BARS (CORRUGATED)	
ROPE		Silica Barytic Stone Co. of Ontario	15	Corrugated Steel Bar Co. of Canada	16
STEEL BARS (CORRUGATED)		PIPE DRIVING		STRUCTURAL IRON AND STEEL	
STRUCTURAL IRON AND STEEL		Hood & Sons, Wm.	19	Baxter, Paterson & Co.	10
STONE		Russell, John E.	19	Canada Foundry Co.	23
SHOVELS (STEAM)		PAVING AND PAVING MATERIALS		Dominion Bridge Co.	15
SEWER PIPE		Baxter, Paterson & Co.	10	Jenks & Dresser	16
SHOVELS		Brunet, Joseph	15	Locomotive & Machine Co.	15
TELEPHONE SUPPLIES		Forest City Paving Co.	18	McGregor & McIntyre	7
TANKS AND STAND PIPES		Ontario Asphalt Block Co.	18	Phoenix Bridge & Iron Works	15
VALVES		Silica Barytic Stone Co. of Ontario	15	STONE	
ROAD MACHINERY		PILE DRIVING		Crushed Stone, Limited	16
ROCK DRILLS		Hood & Sons, Wm.	19	Doolittle & Wilcox	21
ROPE		Russell, John E.	19	SHOVELS (STEAM)	
STEEL BARS (CORRUGATED)		PAVING AND PAVING MATERIALS		Allis-Chalmers-Bullock	11
STRUCTURAL IRON AND STEEL		Baxter, Paterson & Co.	10	Beatty & Sons, M.	22
STONE		Brunet, Joseph	15	Canada Foundry Co.	23
SHOVELS (STEAM)		Forest City Paving Co.	18	Hopkins & Co., F. H.	24
SEWER PIPE		Ontario Asphalt Block Co.	18	Locomotive & Machine Co.	15
SHOVELS		Silica Barytic Stone Co. of Ontario	15	Mussens Limited	3
TELEPHONE SUPPLIES		PIPE DRIVING		SEWER PIPE	
TANKS AND STAND PIPES		Hood & Sons, Wm.	19	Bremner, Alex.	15
VALVES		Russell, John E.	19	Canadian Sewer Pipe Co.	10
ROAD MACHINERY		PAVING AND PAVING MATERIALS		Dominion Sewer Pipe Co.	12
ROCK DRILLS		Baxter, Paterson & Co.	10	Toronto Pottery Co.	22
ROPE		Brunet, Joseph	15	SHOVELS	
STEEL BARS (CORRUGATED)		Forest City Paving Co.	18	Canadian Shovel & Tool Co.	5
STRUCTURAL IRON AND STEEL		Ontario Asphalt Block Co.	18	Hopkins & Co., F. H.	24
STONE		Silica Barytic Stone Co. of Ontario	15	Mussens Limited	3
SHOVELS (STEAM)		PILE DRIVING		TELEPHONE SUPPLIES	
SEWER PIPE		Hood & Sons, Wm.	19	Northern Electric & Mfg. Co.	4
SHOVELS		Russell, John E.	19	TANKS AND STAND PIPES	
TELEPHONE SUPPLIES		PAVING AND PAVING MATERIALS		Canada Foundry Co.	23
TANKS AND STAND PIPES		Baxter, Paterson & Co.	10	Ontario Wind Engine & Pump Co.	18
VALVES		Brunet, Joseph	15	VALVES	
ROAD MACHINERY		Forest City Paving Co.	18	Canada Foundry Co.	23
ROCK DRILLS		Ontario Asphalt Block Co.	18	Canadian Fairbanks Co.	20
ROPE		Silica Barytic Stone Co. of Ontario	15	Canadian Iron & Foundry Co.	9
STEEL BARS (CORRUGATED)		PILE DRIVING		Gartshore-Thomson Pipe & Foundry Co.	9
STRUCTURAL IRON AND STEEL		Hood & Sons, Wm.	19	Kerr Engine Co.	8
STONE		Russell, John E.	19	McDougall Co., R.	21
SHOVELS (STEAM)		PAVING AND PAVING MATERIALS		PIPE (WOODEN)	
SEWER PIPE		Baxter, Paterson & Co.	10	Canadian Pipe Co.	9
SHOVELS		Brunet, Joseph	15	Dominion Pipe Co.	14
TELEPHONE SUPPLIES		Forest City Paving Co.	18	Pacific Coast Pipe Co.	8
TANKS AND STAND PIPES		Ontario Asphalt Block Co.	18	PUMPS AND PUMPING MACHINERY	
VALVES		Silica Barytic Stone Co. of Ontario	15	Allis-Chalmers-Bullock	11
ROAD MACHINERY		PILE DRIVING		Canadian Buffalo Forge Co.	4
ROCK DRILLS		Hood & Sons, Wm.	19	Canadian Fairbanks Co.	20
ROPE		Russell, John E.	19	Canada Foundry Co.	23
STEEL BARS (CORRUGATED)		PAVING AND PAVING MATERIALS		Drummond, McCall & Co.	14
STRUCTURAL IRON AND STEEL		Baxter, Paterson & Co.	10	Mussens Limited	3
STONE		Brunet, Joseph	15	McDougall Caledonian Iron Works Co., John	19
SHOVELS (STEAM)		Forest City Paving Co.	18	ROAD MACHINERY	
SEWER PIPE		Ontario Asphalt Block Co.	18	Cameron & Co., Hugh	16
SHOVELS		Silica Barytic Stone Co. of Ontario	15	Climax Road Machine Co.	7
TELEPHONE SUPPLIES		PILE DRIVING		Heaman, George	23
TANKS AND STAND PIPES		Hood & Sons, Wm.	19	Morrison & Co., T. A.	13
VALVES		Russell, John E.	19	Mussens Limited	3
ROAD MACHINERY		PAVING AND PAVING MATERIALS		Sawyer & Massey Co.	16
ROCK DRILLS		Baxter, Paterson & Co.	10	STEEL BARS (CORRUGATED)	
ROPE		Brunet, Joseph	15	Corrugated Steel Bar Co. of Canada	16
STEEL BARS (CORRUGATED)		Forest City Paving Co.	18	STRUCTURAL IRON AND STEEL	
STRUCTURAL IRON AND STEEL		Ontario Asphalt Block Co.	18	Baxter, Paterson & Co.	10
STONE		Silica Barytic Stone Co. of Ontario	15	Canada Foundry Co.	23
SHOVELS (STEAM)		PILE DRIVING		Dominion Bridge Co.	15
SEWER PIPE		Hood & Sons, Wm.	19	Jenks & Dresser	16
SHOVELS		Russell, John E.	19	Locomotive & Machine Co.	15
TELEPHONE SUPPLIES		PAVING AND PAVING MATERIALS		McGregor & McIntyre	7
TANKS AND STAND PIPES		Baxter, Paterson & Co.	10	Phoenix Bridge & Iron Works	15
VALVES		Brunet, Joseph	15	STONE	
ROAD MACHINERY		Forest City Paving Co.	18	Crushed Stone, Limited	16
ROCK DRILLS		Ontario Asphalt Block Co.	18	Doolittle & Wilcox	21
ROPE		Silica Barytic Stone Co. of Ontario	15	SHOVELS (STEAM)	
STEEL BARS (CORRUGATED)		PILE DRIVING		Allis-Chalmers-Bullock	11
STRUCTURAL IRON AND STEEL		Hood & Sons, Wm.	19	Beatty & Sons, M.	22
STONE		Russell, John E.	19	Canada Foundry Co.	23
SHOVELS (STEAM)		PAVING AND PAVING MATERIALS		Georgian Bay Engineering Works	6
SEWER PIPE		Baxter, Paterson & Co.	10	Hood & Sons, Wm.	19
SHOVELS		Brunet, Joseph	15	Hopkins & Co., F. H.	24
TELEPHONE SUPPLIES		Forest City Paving Co.	18	Mussens Limited	3
TANKS AND STAND PIPES		Ontario Asphalt Block Co.	18	Rogers Mfg. Co.	20
VALVES		Silica Barytic Stone Co. of Ontario	15	HYDRANTS	
ROAD MACHINERY		PILE DRIVING		Canada Foundry Co.	22
ROCK DRILLS		Hood & Sons, Wm.	19	Canadian Fairbanks Co.	20
ROPE		Russell, John E.	19	Canadian Iron & Foundry Co.	9
STEEL BARS (CORRUGATED)		PAVING AND PAVING MATERIALS		Gartshore-Thomson Pipe & Foundry Co.	9
STRUCTURAL IRON AND STEEL		Baxter, Paterson & Co.	10	Kerr Engine Co.	9
STONE		Brunet, Joseph	15	McDougall Co., R.	21
SHOVELS (STEAM)		Forest City Paving Co.	18	LOCOMOTIVES AND RAILS	
SEWER PIPE		Ontario Asphalt Block Co.	18	Canada Foundry Co.	23
SHOVELS		Silica Barytic Stone Co. of Ontario	15	Gartshore, John J.	19
TELEPHONE SUPPLIES</					

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A. J. Chapman, W. F. Tait, H. W. Palmer, all of Dorchester, N. B., and others, are seeking incorporation as the United Paint Company, Limited.

A. H. Cummings & Son, Limited, Coaticook, Que., incorporated to carry on a general lumber and contracting business, capital \$140,000. Incorporators, M. A. Cummings, P. T. Baldwin, J. F. Wilson, all of Coaticook, A. O. Norton, of Boston, Mass., and others.

Roxton Tool & Mill Company, Limited, Roxton Pond, Que., incorporated, capital \$100,000. Incorporators, W. S. Bullock, C. C. A. Bullock, F. Poilier, H. Rainaud and O. Pepon, all of Roxton Pond.

The Allan McIntosh Company, Limited, Montreal, Que., incorporated to carry on a general contracting business and manufacture fire proofing preparations, capital \$19,000. Incorporators, H. H. Fernald, of Boston, Mass., R. Adair, R. C. McMichael, F. G. Bush, and M. J. O'Brien, all of Montreal.

Warden King, Limited, Montreal, Que., incorporated to carry on business as iron founders, machinists, etc., capital \$1,000,000. Incorporators, J. C. King, L. A. Payette, R.

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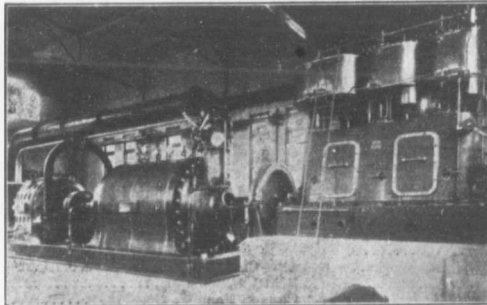
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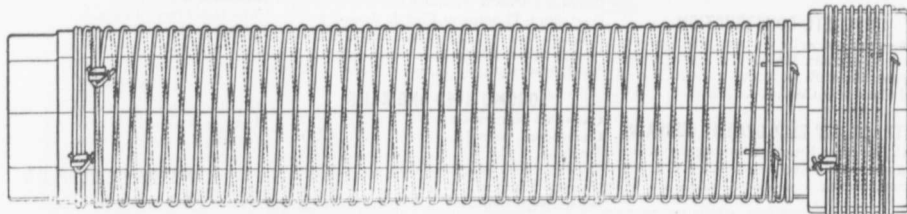
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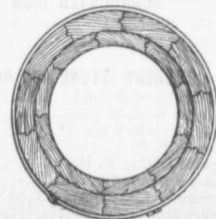
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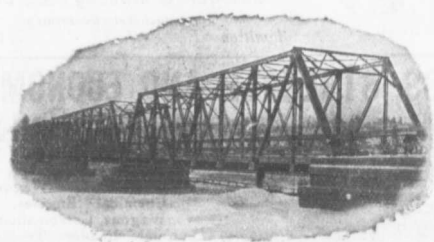
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Manitoba & Saskatchewan Coal Company, Limited, Winnipeg, Man., incorporated, capital \$1,000,000. Incorporators, C. Vokes, of Quill Lake, Sask., W. W. McMillan, E. Thomson, A. S. Swinford, and J. C. Thomson, all of Winnipeg.

The Security Light Company, Limited, Toronto, Ont., incorporated, capital \$40,000. Directors, H. E. Pearce, A. Gate, T. Minton, J. W. Coe and G. Bullock.

Sutton Bay Cobalt Silver Mining Company, Limited, Haileybury, Ont., incorporated, capital \$50,000. Directors, F. Pottage, G. O. Merson and others.

Canadian Central Mines, Limited, Toronto, Ont., incorporated, capital \$1,000,000. Directors, H. D. McCormick, D. A. Rose, and others.

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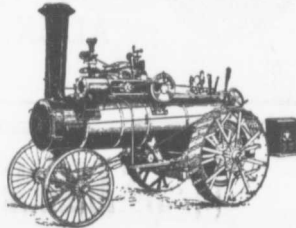
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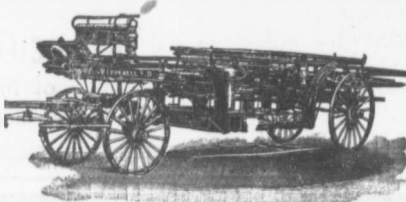
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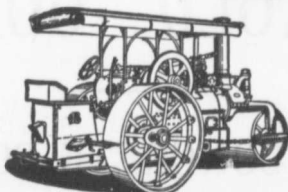
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Cobalt Eagle Silver Mines, Limited, Ottawa, Ont., incorpor-

ated, capital \$1,000,000. Directors, C. M. Farley, F. W. Forde and others.

Coleman & Larder Lake Gold and Silver Mining Company, Limited, Toronto, Ont., incorpor-

ated, capital \$1,000,000. Directors, W. Henry, J. Dickie and others.

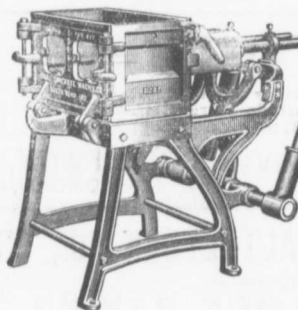
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Year.	No. Samples Tested.	Soundness Fajfi Test.	Specific Gravity	Residue in Test Sieve No. 100 Sieve	Setting Time in Minutes		Tensile Strength in pounds per square inch.									
					Initial	Final	Neat.					3 (Sand) to 1 (Cement)				
							1 dy.	7 d.	28 d.	3 mos.	1 yr.	1 dy.	7 d.	28 d.	3 mos.	1 yr.
1903	20	O.K.	3.135	2.1	162	345	307	701	783	827	*	74	214	299	367	*
1904	44	O.K.	3.150	2.0	132	342	300	744	848	914	938	96	262	354	401	427

* Tests for 1 year were not completed when records closed. 1905 report not yet issued.

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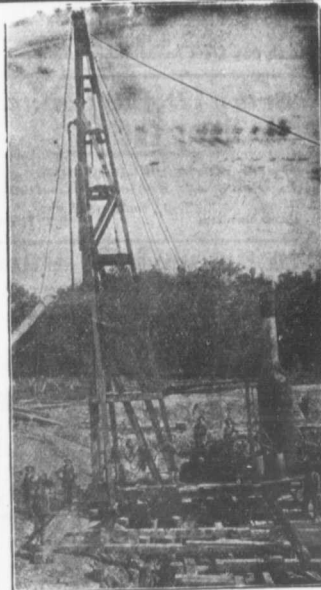
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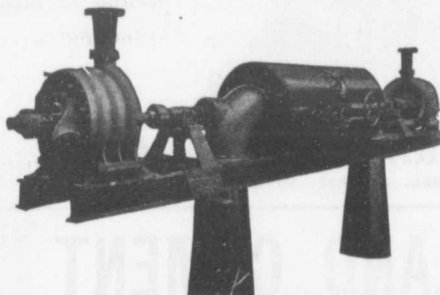
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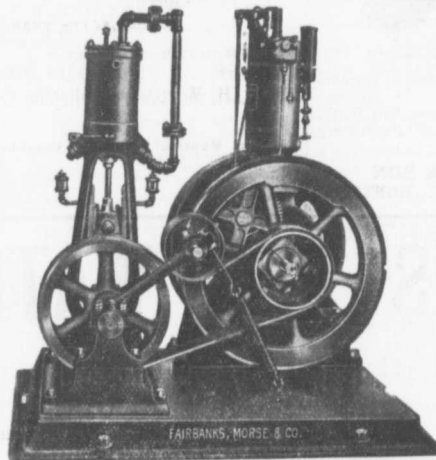
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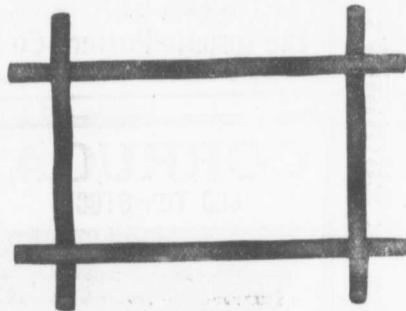
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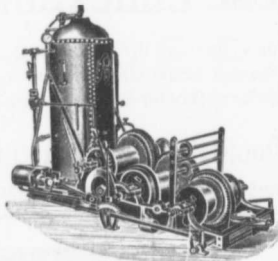
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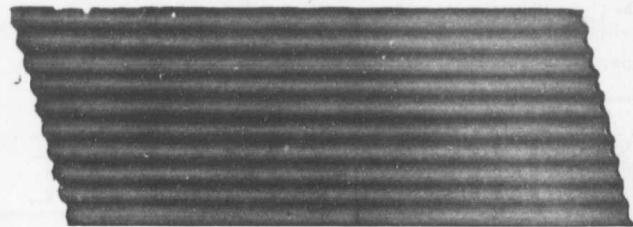
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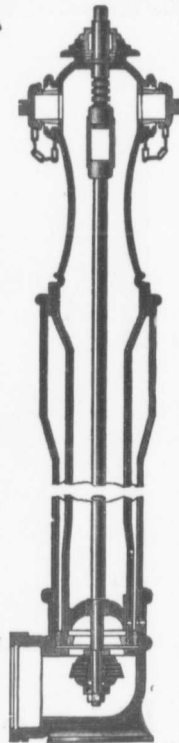
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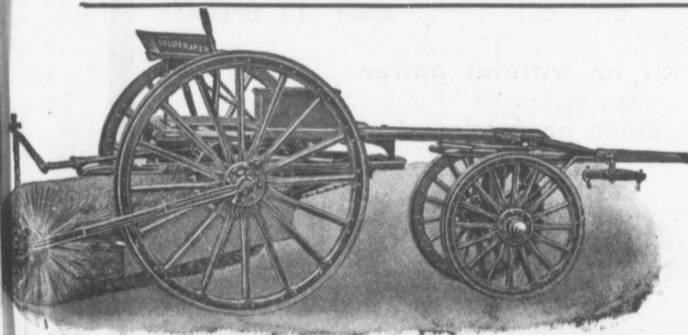
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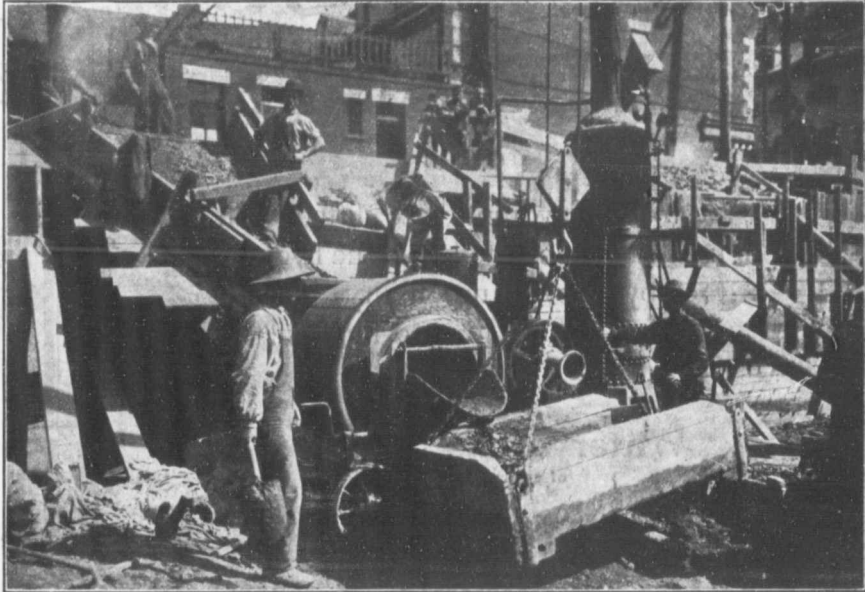
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