

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.

TORONTO, MONTREAL — MARCH 6, 1907 — WINNIPEG, VANCOUVER

No. 1

THE CANADIAN CONTRACT RECORD PUBLISHED EVERY WEDNESDAY

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Telephone 1274

Davis Chambers, 615 Hastings St., Vancouver,
B. C. Telephone 2428

Subscribers who may change their address should give prompt notice of same. In doing so give both old and new address. Notify the publishers 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 Vitriol Brick, Sheet Asphalt, Bitulithic, or Asphalt Block.

Tenders addressed to the Chairman of the Committee on Works will be received by the undersigned until 11:30 MARCH, 1907, at noon.

Plans and specifications may be seen and forms of tender obtained after 2:30 instant.

The lowest or any tender not necessarily accepted.
D. BENZIE, C. E.,
City Engineer.

St. Catharines, 12th February, 1907.

TENDERS FOR PORTLAND CEMENT

Sealed tenders, addressed City "Commissioners, Edmonton," will be received up to MARCH 10TH, 1907, for supplying 5,000 barrels, more or less, of Portland Cement. Tenders will state whether cement is packed in sacks or barrels, and price F.O.B. city warehouse tracks, Edmonton.

Sample tests will be made from consignments before acceptance.

Delivery to commence not later than June 1st. A marked cheque for 5 per cent. of total contract must accompany each tender.

The lowest or any tender not necessarily accepted.

COMMISSIONERS, City of Edmonton,
10th February, 1907.

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. MCGEE,
Secretary-Treasurer.

Toronto, February 9th, 1907.

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

Draftsman wants position. Experienced, up-to-date design, details, decoration, perspective, ink or color. Address Box 104, CONTRACT RECORD, Toronto.

WANTED

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

Sealed tenders, addressed to the undersigned at Harrison, and marked "Tender," will be received up to and including TUESDAY, MARCH 10TH, 1907, for the erection of an addition to the Public School Building in the Town of Harrison.

Plans and specifications may be seen at the residence of the undersigned on and after March 4th.

Tenders for the whole work or the several trades will be accepted.

The required stone, sand and brick will be furnished to the contractors.

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

The right to reject any or all tenders is reserved.

W. D. McLELLAN,
Chairman Property Committee.

Board of Education.
Harrison, Ont., February 23rd, 1907.

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 \$135,864.67, made up as follows:

\$200,000.00 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.

\$100,000.00 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.

\$6,864.67 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.

[FOR ADDITIONAL ADVERTISEMENTS FOR TENDERS SEE NEXT PAGE]

WANTED

for the town of Pembroke, a town Engineer. Applicants to state salary and experience.
A. J. FORTIER, Town Clerk.
Pembroke, February 28th, 1907.

**TENDERS FOR
BROKEN STONE**

Sealed tenders will be received by the undersigned up till noon on the SECOND DAY OF APRIL, 1907, for supplying the city of Windsor with 12,000 tons, more or less, of Broken Stone for macadamizing streets, the same to be delivered f.o.b. cars in such railway yard within the city as the Council may direct.

Forms of tender containing specifications, etc., furnished on application, and tender must be made on said form. No tender necessarily accepted.

STEPHEN LUSTED,
City Clerk.

Windsor, February 26, 1907.

SUPERINTENDENT OR FOREMAN

Advertiser is open for engagement as Superintendent, Inspector or Foreman on Construction Work; has held position as Superintendent and Foreman on Reinforced Concrete Construction and buildings of all kinds and can show good results at fair costs. Apply Box 103, CONTRACT RECORD, Toronto, Ont.



Department of Railways and
Canals

Quebec Canals

Notice to Dealers in
Cement

Sealed tenders endorsed "Tender for Cement" will be received by the undersigned until 10 o'clock on WEDNESDAY, THE 13TH MARCH, 1907, for the supply of 10,000 barrels of Portland Cement for the use of the Quebec Canals.

Specifications and forms of tender can be procured at the office of the Superintendent Engineer of the Quebec Canals, No. 2 Place d'Armes Square, Montreal, and at the office of the Chief Engineer of the Department of Railways and Canals, Ottawa, on and after Monday, the 4th March, 1907.

The Department does not bind itself to accept the lowest or any tender.

By order,

L. K. JONES,

Secretary.

Department of Railways and Canals,
Ottawa, 1st March, 1907.

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

**TOWN OF BATTLEFORD
SASKATCHEWAN****Waterworks, Sewerage
and Electric Lighting**

Sealed tenders will be received by the Secretary-Treasurer of the Town of Battleford until 5 p. m. APRIL 15th, 1907, for the following works:

- Contract "A"—All labor and materials necessary for constructing the Water Works Force Main, Distribution System and Intake.
Contract "B"—All labor and materials necessary for constructing a Sewer System.
Contract "C"—The supply and erection of a sixty thousand gallon Elevated Tank.
Contract "D"—The supply and erection of a Water Works Pump.
Contract "E"—The supply and erection of one Return Tubular Boiler.
Contract "F"—The supply and installation of an Electric Lighting System.
Contract "G"—The supplying at Battleford of Cast Iron work for Manholes and Catch-basins.

Plans and specifications may be seen and forms of tender obtained at the office of the Secretary-Treasurer, Battleford, or at the offices of Galt & Smith, Chief Engineers, Toronto.

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

R. C. LAURIE, Esq.,
GALT & SMITH, Secretary-Treasurer
Consulting Engineers, Battleford, Sask.
23 Jordan St., Toronto.

TENDERS

will be received until noon on FRIDAY, MARCH 15th, 1907, for a church on Gladstone avenue. Plans can be seen at this office, No. 28 Toronto Street, Toronto.

W. FORD HOWLAND.

TENDERS

will be received until noon on FRIDAY, MARCH 15th, for carpenter, plastering and painting work of cottage for Mr. Douglas K. Ridout at Roach's Point. Plans can be seen at this office, No. 28 Toronto Street, Toronto, Ont.

W. FORD HOWLAND.

WANTED**CITY ENGINEER FOR STRATFORD**

Applications addressed to Ald. H. Pauli, Chairman Board of Works, will be received up to MONDAY, MARCH 11th, for the position of City Engineer of Stratford. Engineer to devote his whole time to the City. State salary and experience.

**TOWN OF ST. BONIFACE
TENDERS**

The undersigned shall receive, up to 5 o'clock p. m. on FRIDAY, MARCH 22, 1907, tenders for the supply of 5,000 barrels of cement, more or less, and 2,000 yards of broken stone, more or less.

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

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

For specifications apply to J. O. Delisle, Town Engineer.

J. B. COTE,

Secretary-Treasurer.

Dated at St. Boniface, February 26, 1907.

**WATER WORKS
NEW LISKEARD, ONT.**

Sealed tenders will be received by Sinclair & Smith, Engineers, New Liskeard, Ont., until 12 o'clock, noon, on SATURDAY, MARCH 16th, 1907, for the construction of a Water Works System for the Town of New Liskeard.

These shall be marked Water Works Tender "A" or "B", as the case may be.

The above work comprises the following contracts:

- "A"—Furnishing all cast iron pipe and accessories f.o.b. cars New Liskeard, Ont.
"B"—Furnishing all wood stave pipe and accessories f.o.b. cars New Liskeard, Ont.
"C"—Hauling and laying all cast iron and wood stave pipe, approximately 25,000 feet, ranging from four inches to fourteen inches in diameter; doing all the excavating and back filling; setting all hydrants, valves and specials, and constructing valve chambers.
"D"—Furnishing and erecting a steel stand-pipe twenty-one feet in diameter and fifty-five feet high.
"E"—Protecting and developing springs on Lot 1, Concession 7, Township of Harris, and constructing a receiving basin.
"F"—Furnishing all material and labor for the construction of:

1. A concrete block pumping station with concrete foundation; concrete foundations for pumps and motors and also a concrete receiving well at pumping station.
2. Concrete foundation for steel standpipe with necessary clearing, excavating and grading.
- "G"—Furnishing and erecting two 100 h. p. 3-phase, 60-cycle, 2,200 volt motors with all necessary accessories in the pumping station.

Alternative propositions will be received as follows:

1. Each motor to be direct connected to a multi-stage turbine pump, each having a capacity of 600 imperial gallons per minute against a head of 335 feet.
2. Each motor to be connected by an endless chain to a double-acting vertical triplex power pump, each pump having a capacity of 600 imperial gallons per minute against a head of 335 feet.
- "H"—Furnishing and erecting two pumps each having a capacity of 600 imperial gallons per minute against a head of 335 feet.

Alternative propositions will be received on the following:

1. Two multi-stage turbine pumps direct connected to motors as described in Contract "G".
2. Two double-acting vertical triplex power pumps connected by an endless chain to motors as described in Contract "G".

Instructions to bidders, together with forms for contract and bond, will be sent upon application at the office of Sinclair & Smith, Engineers, New Liskeard, Ont., where plans and specifications can be seen.

The right is reserved to reject any or all tenders.
By order of the Town Council.
SINCLAIR & SMITH, Engineers,
New Liskeard, Ont.

CITY OF REGINA**FIRE HALL**

Sealed tenders, marked "Tender for new Fire Hall" will be received by the undersigned up till TUESDAY, 19th MARCH, 1907, at 5 o'clock p. m., for the erection of a new Fire Hall for the City of Regina, according to plans and specifications which may be seen at the office of the City Engineer, Regina, or the office of the Architects, Messrs. A. & W. Melville, Union Bank Building, Winnipeg.

A deposit of 5 per cent. must accompany each tender.

The lowest or any tender not necessarily accepted.

J. KELSO HUNTER,

City Clerk.

Regina, 28th February, 1907.

TOWN OF ALLISTON

Province of Ontario

Debentures for Sale

Sealed tenders will be received up to 2 o'clock p. m. MONDAY, MARCH 25th, 1907, for the purchase of the following Debentures of the Town of Alliston amounting in all to the sum of \$6,950.72: \$2,500 for improvement and macadamizing Victoria Street in said town, spread over a period of 20 years and dated the 15th December, 1906, and bearing interest at the rate of 4 per cent; \$4,450.72 for covered sidewalks in said town of Alliston, as provided under Local Improvement By-Laws No. 8, 161, 162, 163, 164 and 165 of said town, extending over a period of 25 years, bearing interest at the rate of 4 per cent and dated the 1st day of January, 1907. All of said debentures are guaranteed by the County of Simcoe.

The highest or any tender not necessarily accepted.

Address,

THOMAS M. BROWN,
Chairman Finance Committee,
Town of Alliston, or
W. M. LOCKHART, Clerk.

CONTRACTS OPEN.

MIMICO, ONT.—G. Stubbs will erect a pair of brick dwellings.

WAPELLA, SASK.—Kidd & Clements will erect a brick block here.

LONGUEUIL, QUE.—G. R. Gray is interested in the erection of a clubhouse here.

MINNEDOSA, MAN.—G. R. Charleson will erect a new machine shop here.

DAYSLAND, ALTA.—W. A. Cottingham has decided to erect a lined oil mill here.

VICTORIA, B. C.—W. H. Bone intends erecting a large residence on Rockland avenue.

AUBURN, ONT.—The Baptists of this locality are considering the erection of a new church.

BRANTFORD, ONT.—A new fire station is to be erected and thoroughly equipped at a cost of \$9,800.

ST. BONIFACE, MAN.—The Canadian Pacific Railway has decided on the erection of a new station.

CARLYLE, SASK.—The Town Council are considering the erection of a town hall at a cost of \$15,000.

BALLCARRES, SASK.—Phillips & Fullford are about to erect a large store.—G. Godkin intends erecting a new residence.

HUMBOLDT, SASK.—The Roman Catholics of this village are considering the erection of a new separate school building.

SINTALUTA, SASK.—V. W. Horwood, architect, Winnipeg, has invited tenders for a school building to be erected here.

SELKIRK, MAN.—J. Chisholm, architect, Winnipeg, is preparing plans for a post office building to be erected in this town.

RICHMOND, QUE.—J. McMorine, mayor, will receive tenders up to March

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Changing face-plates. When machine is open face-plate is vertical, but is on the bottom when block is being made.



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MUSSENS LIMITED

(FORMERLY W. H. G. MUSSEN & CO.)

Head Office: MONTREAL

9th for remodelling of town hall, where plans may be seen.

CRANBROOK, B. C.—The Imperial Bank are having plans prepared for a two-storey brick or stone building to be erected in this town.

STRATHNAIRN, ONT.—J. Douglas is taking tenders up to March 20th for erection of brick school house. Plans with G. G. Alvery.

GODERICH, ONT.—The Town Council has decided to lay about three miles of cement sidewalks and two miles of sewer, this season.

GRIERSVILLE P. O., ONT.—W. H. Quin is taking tenders up to March 15th for erection of brick church. Plans at St. James' Rectory.

MONTMAGNY, QUE.—A town hall is being erected here at a cost of \$11,000. The Government are erecting a post office at a cost of \$8,000.

VERNON, B. C.—A meeting of the citizens was recently held at which the possibility of developing power on Shauwap Falls was discussed.

OWEN SOUND, ONT.—Forster & Clark, architects, will receive tenders up to March 11th for erection of Sunday School building for Knox Church.

WOODSTOCK, ONT.—Chadwick & Beckett, architects, Toronto, are preparing plans for a Public Library to be erected in this city to cost \$20,000.

WEST MONTROSE, ONT.—Mr. Geach is superintending the preliminary negotiations in connection with erection of a new church in this village.

KINCARDINE, ONT.—A by-law has been carried authorizing the issuance of \$2,500 4½ per cent. twenty year debentures, to be dated June 1st, 1907.

OSHAWA, ONT.—The Town Council have granted W. C. Noxon, of Ingersoll, a 20 year franchise to operate electric light and gas plants in this town.

NORTH TORONTO, ONT.—The proposition to issue \$10,000 4½ per cent. debentures for purchase of fire alarm and electric light supplies has been defeated.

THESSALON, ONT.—The question of granting a bonus of \$10,500 to the Saginaw Lumber & Salt Co. will be voted on by the ratepayers on March 18th.

VALLEYFIELD, QUE—A Cordage

Co. is to be established here, and arrangements for the supply of electric power have been made with the Montreal Cotton Co.

STRATHCONA, ALTA.—J. A. Connolly, secretary St. Anthony's Catholic Separate School, will receive tenders up to March 25th for purchase of \$9,000 5 per cent. debentures.

NELSON, B. C.—The School Board have requested the Town Council to submit a by-law to the ratepayers authorizing the erection of a new school building at a cost of \$50,000.

MOOSE JAW, SASK.—Jones & Bunday, architects are preparing plans for the new Y.M.C.A. building and also for a three storey office building 63x90 feet for Mathews & Ferguson.

AMHERST, N. S.—W. W. Black and J. E. Lusby intend erecting a three-storey brick and stone building 56 x 80 feet.—Rhodes, Curry & Co. intend enlarging their car works and planing mill.

YARMOUTH, N. S.—W. L. Lovitt will receive tenders up to March 15th for erection of a brick and stone or brick and concrete church in this town. Plans with above named gentleman.

DESERONTO, ONT.—On March 27th the ratepayers will vote on the by-law authorising purchase of electric light plant and waterworks system from the Rathbun Co. at a cost of \$50,000.

BROCKVILLE, ONT.—B. Dillon, architect, wants tenders up to March 16th for plumbing, hotwater heating, gas fitting and carpenter work in connection

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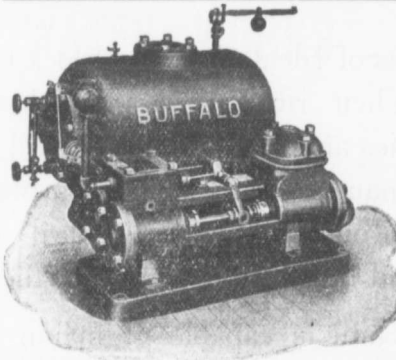
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TORONTO, ONT.

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FOR THE FACTORY:
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PUMPS, JET CONDENSERS.

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OFFICE AND FACTORY:
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THE CANADIAN STANDARD

THE CANADIAN PORTLAND CEMENT CO., LIMITED

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TORONTO

BOARD OF TRADE BUILDING
MONTREAL

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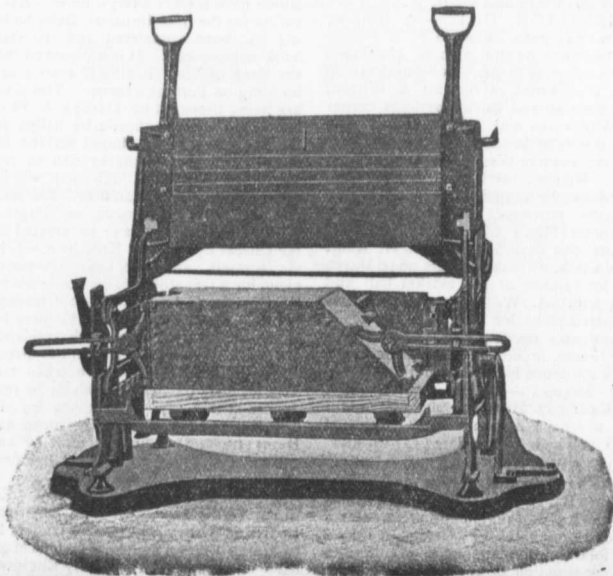
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This Machine makes all blocks face down—"the only practical way"—allowing of a richer and finer facing, producing blocks that are perfect in appearance and impervious to moisture.

Let us tell you how the "Miles" will pay for itself over any other machine in three months' operation.

Manufactured and Sold by

**VINING BROS.
M'f'g. Co.**

Niagara Falls. - Can.

with additions to H. D. Wright & Co.'s premises.

NEW WESTMINSTER, B. C.—The British Columbia Power & Electric Co. are seeking permission to develop power from the Squamish river.—Extensive additions are to be made to the Columbia Cold Storage Co.'s plant.

HALIFAX, N. S.—Cram, Goodhue & Ferguson, architects, New York, have prepared the plans for the new Anglican Cathedral to be erected in this city.—City Council want tenders up to March 14 for erection of fire station.

MEDICINE HAT, SASK.—The Medicine Hat Milling Co. will erect a large elevator here and several smaller buildings in neighboring villages.—Reports are current that large car shops are to be erected just east of the city.

MAISONNEUVE, QUE.—A by-law authorizing the borrowing of \$400,000 for public improvements has been carried by the ratepayers. A number of the proprietors are, however, endeavoring to have the by-law declared irregular.

HENSALL P. O., ONT.—A. G. Smilie is taking tenders up to March 15th for construction of steel reinforced concrete abutments and floors for eight bridges in Township of Tuckersmith. Plans with above named gentleman.

GUELPH, ONT.—W. J. Fleming will receive tenders up to March 13th for stone, brick, carpenter, iron, lath and plastering and other trades required in erection of nine semi-detached houses. Plans with L. C. Wideman, architect.

GALT, ONT.—The bylaws authorizing a loan of \$15,000 to a brass manufacturing concern and issue of \$5,000 debentures for water works improvements have been carried by the ratepayers.—G. Stephens is considering the erection of a \$30,000 hotel.

LONDON, ONT.—The London Brass Works Co. have purchased nine acres of land on which to erect factory buildings.—The London Street Railway Co. will shortly commence work on additions to building and equipment of their power plant to cost \$50,000.

FORT FRANCES, ONT.—L. H. Nord, L. Larson and S. Stube, of Minneapolis, will open a large sash and door factory in this town.—It is reported that the Canadian Northern Railway intend either enlarging the present station or erecting a new one, also freight sheds and roundhouses.

PETERBORO, ONT.—The Prepayment Electric Meter Co. will erect a new factory.—F. Mason has purchased property on which to erect a large residence.—The Charlotte Methodist church congregation are considering the erection of a new edifice, having a seating capacity for 1,000 persons.

MEAFORD, ONT.—G. G. Albery, Town Clerk, will receive tenders up to April 8th for purchase of following debentures: \$3,645.15 4½ per cent. twenty year; \$3,146.40 4½ per cent. twenty year; \$13,000 4½ per cent. ten year.—The congregation of Trinity church have decided on the erection of a new church and schoolroom, to cost \$7,000.

INNISFAIL, ALTA.—V. W. Horwood, architect, Winnipeg, is preparing plans for an eight-roomed school building to be erected here. The building will contain an assembly hall and play rooms in the basement.—Public School District No. 210 have authorized the issuance of \$23,000 school building debentures.

REGINA, SASK.—The Provincial Government have instructed Darling & Pearson, architects, to prepare plans for the proposed new land titles office to be erected here at a cost of \$100,000.—The Provincial Government having formed

several new school districts. It is expected that a number of school buildings will shortly be erected.

NIAGARA FALLS, ONT.—The Niagara Falls Machine & Foundry Co., who intended erecting an addition to their works, having decided to build an entirely new plant about twice as large as their present plant.—Jackson & Mitchell, civil engineers, have recommended that the capacity of the reservoir be doubled.

EDMONTON, ALTA.—The following building permits have been issued: Addition to Government Immigration hall, cost \$3,000; J. A. Benner, dwelling, cost \$4,000; O. H. Baldwin, stores, cost \$5,000; E. Auld, warehouse, cost \$5,000.—A building permit has been issued for the erection of a new Post office to cost \$250,000.—The Board of Education are considering the addition of a wing to the Central school or the erection of a new building.

MONTREAL, QUE.—Cox & Amos architects, have prepared plans for a stone building for the Credit Foncier Franco-Canadien to be erected corner St. Lambert Hill and St. James Street.—The following building permits have been issued: A. Ray, five storey tenement house, cost \$3,500; additions to Montreal General Hospital, cost \$7,000; D. B. Martin & Co., additions to dwelling, cost \$6,000.—A. Lacroix has purchased property on Esplanade street with a view to erecting a tenement house thereon.—The Royal Bank have taken out a permit for erection of a building corner Stanley and St. Catharine streets.

VANCOUVER, B. C.—Johnston & Stewart recently sold property on Pender street on which the purchasers intend erecting a three-storey brick warehouse. A. Pattage has leased property on Hastings street east on which a theatre building will be erected 50 x 122 feet at a cost of \$80,000.—Building permits have been issued as follows: W. M. Harrie, concrete dwelling, Yorke and Balsom streets, cost \$3,500; Snider, brick store, Hastings street, cost \$44,900; T. J. Lightheart, two houses, Robson street, cost \$5,000; Smith & Sherborne, brick block, Hastings street, cost \$45,000.—The Vancouver Gas Co. have acquired property on which to erect new buildings in connection with the proposed enlargement of their plant.—Captain C. G. Johnson and associates have had plans prepared for construction of a wharf.

HAMILTON, ONT.—A building permit has been issued to F. S. Depew for two brick dwellings on St. Matthew's avenue to cost \$3,500.—It is understood that W. Stewart, of Stewart & Witton, will erect several brick dwellings corner of Wentworth and Stinson streets.—An addition is to be erected to the buildings of the Canadian Westinghouse Company.—L. Munroe, architect, is preparing plans for the remodelling of a building recently purchased by the Hamilton Business Men's Club. The improvements will cost \$14,000.—S. H. Kent, City Clerk, will take tenders up to March 7th for painting at jail, market hall and city hall.—A. W. Peene, architect, has prepared plans for alterations to C. T. Grantham's residence to cost \$5,000.—L. Monroe, architect, is preparing plans for a residence for E. D. Smith, M.P., to cost \$20,000.—It is reported that McKenzie & Mann are negotiating for the purchase of about twenty acres of land on which to erect large car works.

OTTAWA, ONT.—An American syndicate have secured options on property corner Bank and Wellington streets on which it is their intention to erect a seven-storey hotel.—F. Gelinas is taking the following tenders: up to March 15th for construction of an extension to the Mispec Breakwater at Mispec, N. B.

Plans with E. T. P. Shewen, St. John, N. B.; G. Stead, Chatham, N. B.; Postmaster, Mispec and Department of Public Works, this city; up to same date for construction of breakwater and wharf at North Head, N. B. Plans with E. T. P. Shewen, St. John; G. Stead, Chatham; Postmaster, North Head and Department of Public Works, this city.—The following building permits have been issued: A. Kert, three dwellings and stores, Rideau street, cost \$6,000; M. J. Butler, solid stone dwelling, Wurtemberg street, cost \$5,000; C. H. Cochrane, addition to building, junction of Wellington and Sparks streets, cost \$6,000; Frank Saunders, brick veneered dwelling, First avenue, cost \$2,700; H. N. Awrey, brick dwelling, Wellington street, cost \$4,300.—The Canadian Northern Ontario Railway are seeking permission to build the following branch lines: Pembroke to Port Hope, Arnprior to a point between Brockville and Kingston, Hawkesbury to a junction with the foregoing in Township of Bastard, Washago to Kincardine, and from Washago to a point on Georgian Bay, east of Collingwood, from either Collingwood or Owen Sound, to a point on the Ottawa-Toronto line Toronto to Detroit, with branches to St. Thomas and Sarnia, from the Niagara River, through Hamilton to Goderich, from a point on Lake Erie, west of Port Colborne, through Brantford or Berlin, to Georgian Bay.—The deputation of the Rainy River district recently waited on the Dominion Government asking that an appropriation be made for building a lock on Rainy river at Long Sault Rapids at a cost of \$250,000.

WINNIPEG, MAN.—Chairman Board of Control will receive tenders up to March 13th for supply of 200 arc lamps and cut outs, two 100 light arc regulators with necessary panels and twelve lighting arresters. Specifications at City Engineer's office.—Darling & Pearson, architects, have prepared plans for warehouse for Nichols, Sheppard Co.—H. H. New, architect, is preparing plans for a residence for Mr. J. C. Campbell, to cost \$5,000.—M. Atchison, architect, has invited tenders for erection of brick residence 33x120 feet for Mr. Stone, cost \$37,000.—The same architect has prepared plans for a two-storey addition to be made to J. W. Peck's warehouse.—E. McKenty has purchased property corner of Main street and Aberdeen avenue on which he will erect a large hotel.—Excavation for the new Imperial Bank building has been completed and the steel work commenced.—It is announced that the Bank of Nova Scotia will erect a new building on Portage avenue. The plans are being prepared by Darling & Pearson.—Tenders will shortly be called for the erection of a new church for the St. Giles Presbyterian congregation, to cost \$50,000.—Eade Bros. architects, will receive tenders up to March 12th for erection of brick synagogue on Dagmar street.—A new block is to be erected on Neil street by Petke & Krombein.—J. H. G. Russell, architect, has completed plans for a two-storey brick residence for W. Grassie, to be erected on Crescentwood.—The same architect is calling for tenders for erection of a brick residence for J. H. Ashdown on Edmonton street.—The Board of Control have taken tenders for installation of plumbing in residences in this city.—The plans for the C.P.R. overhead bridge on Brown and Brant streets have been completed and call for a structure 2,175 feet long, floor elevation 62 feet, width of roadway 24 feet and width of sidewalk 5½ feet. Estimated cost \$170,000.—The Chairman Board of Control will receive tenders up to March 13th for supply of 60 tons of pig lead. Specifications with City Engineer.—F. Lee, Division Engineer of Canadian

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Pacific Railway, wants tenders up to March 11th for concrete work on the central division in connection with construction of bridges and culverts. Plans with Assistant Superintendent, Fort William; Superintendent, Kenora; and Division Engineer, this city.—F. H. Malcom, secretary Malcom's Western Canneries, Ltd., is taking tenders up to March 9th for erection of packing houses in Calgary, Medicine Hat and this city. Plans with Sproatt, Ralph & Wardell, this city.—J. H. G. Russell, architect, is taking tenders up to March 11th for erection of brick residence on Edmonton street for J. H. Ashdown. The same architect wants tenders up to March 12th for erection of five storey and basement office building for W. J. Hammond.—C. S. Bridgman, architect, wants tenders up

to March 23rd for erection of stone and brick church for St. Giles Presbyterian congregation.

TORONTO, ONT.—Tenders wanted at Room 205, 79 Adelaide street east for erection of a factory building.—A. F. Park, 63 Riverdale avenue, is taking tenders up to March 8th for erection of St. John's Presbyterian church, corner of Simpson and Broadview avenues. Plans

may be seen during the day at C. Colwell's office, Room 102 Front street east, evenings, at A. Duncan's residence, 61 Simpson avenue.—Arrangements for the erection of the new railway building at the Exhibition grounds have been completed by the Exhibition Board. Estimated cost of building \$40,000.—The

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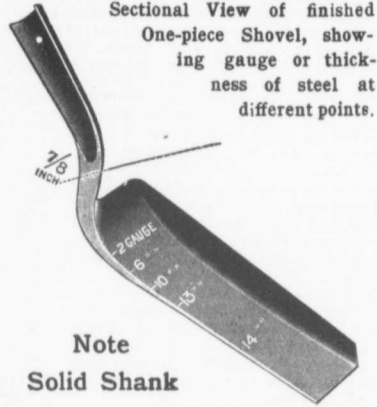


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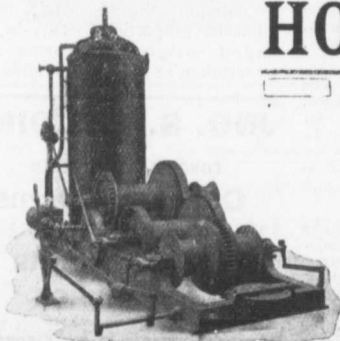
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City Engineer has recommended the laying of the following asphalt pavements: Duchess street, Sherbourne to Parliament streets, cost \$7,519; Ontario street, Queen street to Wilton avenue, cost \$8,887; Sullivan street, St. Thomas street to west end, cost \$1,242; Harbord street, St. George street to Spadina avenue, cost \$5,099.—J. H. Gillaway, architect, 77 Victoria street, has prepared plans for three pair brick and rough cast dwellings to be erected on Lansdowne avenue for C. W. Chadwick at a cost of \$9,000. The same architect is preparing plans for two detached brick dwellings to be erected on Dewson street for J. T. V. May at a cost of \$7,000.—R. J. Edwards, architect, 18 Toronto street, is taking tenders up to March 9th for erection of brick residence on Oriole road and frame cottage on the Island, and up to March 16th for erection of a brick residence on Roncesvalles avenue and one on Rusholme road.—M. Wilnot, architect, 18 Toronto street, invites tenders for erection of brick residence on Linwood avenue for D. Tea Eyck. The same architect is taking tenders up to March 8th for erection of brick residence corner Oriole road and Lansdale avenue for W. H. Willman.—The following building permits have been issued by the City Architect: E. C. Peart, 2-1/2 storey brick dwelling, Alhambra avenue, cost \$3,000; W. H. Rottenberg, two 3-storey brick stores and dwellings, 141-143 Queen Street west, cost \$63,000; Hold & Devitt, 4 pair semi detached 2 storey brick dwellings, 84 Olive avenue, cost \$14,400; Dominion Bridge Co., 1-storey brick workshop, Soauren avenue, cost \$30,000; J. D. Farquhar, pair semi-detached 2-storey roughcast dwellings, Booth avenue, cost \$3,000; Joseph Wooley, pair semi-detached 2 storey roughcast dwellings, Fern avenue, cost \$4,000; J. D. Farquhar, 3 detached 2 storey brick dwellings, Bain avenue, cost \$7,500; Nerlich & Co., 2 storey brick addition to warehouse, 145-148 Front street, cost \$35,000; T. M. Charlton, pair semi-detached 2-storey and attic brick dwellings, 716-718 Shaw street, cost \$5,000; Wm. Greaves, three 2-storey stores and dwellings, College street, cost \$11,000; R. C. Vaughan, 3 pair semi detached 2 storey and attic brick dwellings, Macpherson avenue, cost \$17,000; J. T. Pears, 2 storey brick dwellings, Balmoral avenue, cost \$4,000; T. Gibson, pair 2-storey brick dwellings, Lansdowne avenue, cost \$3,600; M. Granatstein, 4-storey and basement brick warehouse, Wellington place, cost \$14,000; A. Hobson, 2 pair semi detached 2-storey roughcast dwellings, brick fronts, corner Manning and Follis avenues, cost \$4,000; Wm. Platten, 2-storey brick dwellings, Walker avenue, cost \$3,000; F. Saunders, 3 attached 2-storey and attic brick dwellings, College street, cost \$7,000; Imperial Bank, 2-storey brick bank, corner Bloor and Lansdowne avenue, cost \$7,000; Stanley & Coath, 2 pair semi-detached 1-1/2 storey brick dwellings, Clinton street, cost \$7,000; G. T. Graham, 3 pair semi-detached 2 1/2 storey brick dwellings, Ossington avenue, cost \$13,800; W. E. Cunningham, pair semi-detached 2-storey and attic brick dwellings, 153-155 Margueretta street, cost \$5,500; S. W. Hall, 2-storey brick store and dwelling, corner Burton and Euclid avenues, cost \$3,000; D. Schwalm, pair semi-detached 2-storey and attic brick dwellings, Gvens street, cost \$9,000; R. B. Hayhoe, 2 1/2 storey brick dwelling, Ruholme road, cost \$5,500; R. S. Smith, 3 attached 2-storey brick stores and dwellings, Queen street west, cost \$7,500; J. J. McKenny, 4 pair semi-detached 2-storey and attic brick dwellings, 282-296 Grace street, cost \$24,000;

W. B. Charlton, pair semi-detached 2 1/2 storey brick dwellings, Cottingham street, cost \$6,000; C. Tilly, 3-storey brick warehouse, 161 Bay street, cost \$4,000; G. C. Buckner, 6 attached 2 storey brick dwellings, Booth avenue, cost \$12,000; G. A. McTaggart, pair semi-detached 2-storey and attic brick dwellings, St. Clarens avenue, cost \$6,000.

CONTRACTS AWARDED.

NELSON, B. C.—Erection of \$6,000 residence for G. P. Wells; J. Burns, this town, contractor.

PORT CREDIT, ONT.—Erection of residence for C. Coxhead; J. M. Godfrey, Mimico, contractor.

PARIS, ONT.—Erection of cement block residence for S. Lee; W. McLachlin, this town, contractor.

BRANDON, MAN.—Erection of Collegiate Institute; C. W. Hall, this city, successful tenderer at \$50,200.

UXBRIDGE, ONT.—Boring of artesian wells for Uxbridge Waterworks; J. Harvey, Greensville, Ont., contractor.

SYDNEY, N. S.—Erection of new buildings for Dominion Coal Co.; Rhodes, Curry & Co., Amherst, contractors.

WALKERVILLE, ONT.—Erection of office building 140x40 feet for Canadian Bridge Co.; V. Williamson, this town, contractor.

GALT, ONT.—Erection of two-storey stone building for McGregor-Gourley Co.; Sidley & Miller and P. Nicol, this town, contractors.

EDMONTON, ALTA.—Purchase of \$815,487.57 4 1/2 per cent. debentures awarded to the National Trust Co., Toronto, at \$787.923.

TOLEDO, ONT.—Erection of Roman Catholic church; C. Speagle, Westport, Ont., contractor. Cost, \$11,000. J. P. Smith, Kingston, architect.

PETERBORO, ONT.—Supply of 5,000 barrels of Portland cement for municipality; Peterboro Hardware Co., this city, successful tenderer, at \$1.91 per barrel.

TORONTO, ONT.—Erection of five-storey warehouse for Gordon, McKay & Co.; Masonry work, James C. Claxton & Son, contractors; J. Francis Brown, architect.

REGINA, SASK.—Storey & Van Egmond, architects, have awarded contract for erection of residence for J. M. Young to J. M. W. Gallagher, this city. Cost \$10,000.—E. M. Storey & Van Egmond have awarded contracts for erection of eight-roomed school building in this city to the Construction Co., of Regina.

QUEBEC, QUE.—Construction of an extension of the quay wall outside Louise basin for Dominion Government; M. F. & I. T. Davis, this city, contractors. Estimated cost \$200,000.

PERTH, ONT.—Erection of two two-storey brick dwellings for J. H. Adam and D. G. Campbell; Masonry work A. L. Charlton, contractor; carpenter work, Wm. McCleneghan, contractor.

MEDICINE HAT, SASK.—The Canadian Fairbanks Company, Montreal, Que., have been awarded the contract for supply of the following gas pipe for the corporation: 1,000 feet 2 1/2 inch at \$27 per hundred feet, 500 feet three inch at \$36 per hundred feet, 1,000 feet one inch at \$8 per hundred feet.

WINNIPEG, MAN.—Steel work in erection of building for J. Maw; Dominion Steel & Bridge Co., successful tenderers.—Coates Son & Co., London, England, have purchased \$1,554,506 City of Winnipeg debentures at 97.27.—Supply of an 18-inch Venture meter tube for city of Winnipeg; Builders' Iron Foundry Co.,

Providence, R. I., at \$1,179 f. o. b. this city.

GRAVENHURST, ONT.—Cement work in connection with erection of new power house for the municipality; F. Felhastrom, successful tenderer at \$7.73 per cubic yard, other bidders; W. Walters, \$7.83 per cubic yard; W. Findlay, \$8.00 per cubic yard. The Jencks Machine Co., of Sherbrooke, Que., were awarded the contract for the exciter wheel at \$414.50.—Garnioch Godard Co., of Ottawa, were awarded the contract for lightning arresters. The contract for structural steel work was awarded to the Hamilton Bridge Works at \$365.

OTTAWA, ONT.—The National Transcontinental Railway Commission have awarded contracts for the construction of 457 miles of road as follows: Section 1, Moncton, N. B., 50 miles west, Grand Trunk Pacific Railway; section 2, Grand Falls, N. B., 62 miles west, Lyons & White, Ottawa; section 3, Quebec bridge to New Brunswick line, 150 miles, M. P. & J. T. Davis; section 4, La Tuque, westerly 45 miles, Grand Trunk Pacific Railway; section 5, Atibitibi, 150 miles east, Grand Trunk Pacific Railway. The average cost figures out at \$30,000 per mile.

ST. THOMAS, ONT.—Construction of the Willey bridge for counties of Middlesex and Elgin; steel frame work, Petrolia Bridge Co., successful tenderers, at \$7,450. Other bidders, Ontario Bridge Co., \$10,000; Hamilton Bridge Co., \$9,935; Port Huron Bridge Co., \$9,749. Cement foundation and flooring, Petrolia Bridge Co., successful tenderers at \$5,900. Other bidders, Ludy & Magla, \$7,000; L. Crouts, \$7,740; F. E. L. Talbot, \$7,500; R. Rivers, \$8,600; S. Pearson, \$6,995; D. Witherspoon, \$6,870; L. McCandless, \$7,294; N. Mitchell, \$8,100. Construction of Cook's Mill bridge for counties of Middlesex and Elgin; steel frame work, Hamilton Bridge Co., successful tenderers, at \$3,926. Other bidders, Ontario Bridge Co., \$3,950; Jenks & Dresser, \$4,224. Concrete work, S. Harper & Son, successful tenderers, at \$2,700. Other bidders, C. Stafford, \$3,197; L. McCandless and J. Vincent, \$2,987.

WOODEN PIPE SHIPMENTS.

The Pacific Coast Pipe Company, of Vancouver B. C., has recently made a shipment 6500 feet of 24-inch, and a large amount of 16-inch and 16-inch wooden pipe for the White Valley Irrigation & Power Company, of Vernon, B. C., of which W. C. Ricardo is managing director and A. E. Ashcroft is engineer. This is to be used in connection with a big irrigation proposition, by which irrigating facilities will be supplied to Lord Aberdeen's property, known as the Coldstream Ranch and other adjacent properties. This is the largest irrigation scheme ever undertaken in British Columbia.

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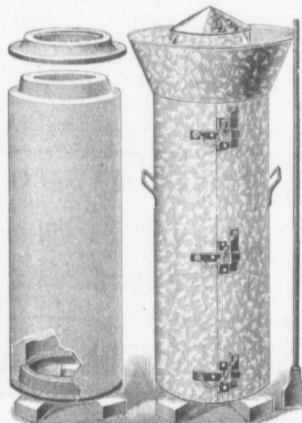
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Little Larder Lake Gold Mining Company, Limited, Haileybury, Ont., incorporated, capital \$100,000. Directors, J. E. Day, J. M. Ferguson, and others.

The Golden Horn Larder Lake Mines, Limited, Toronto, Ont., incorporated, capital \$500,000. Directors, T. J. Montague, F. Pottage, and others.

Northern Larder Lake Mining Company, Limited, Haileybury, Ont., incorporated, capital \$1,000,000. Directors, M. T. Wright, W. S. Blackwall, and others.

Silver Pick Cobalt Mining Company, Limited, Ottawa, Ont., incorporated, capital \$1,000,000. Directors, C. T. Moffatt, C. D. Brown, and others.

The Lincoln Nipissing Development Company, Limited, St. Catharines, Ont., incorporated, capital \$160,000. Directors, C. J. E. Baby, E. Titterington, and others.

Viceroy Cobalt Mining Company, Limited, Toronto, Ont., incorporated, capital \$300,000. Directors, J.

F. Boland, H. J. MacDonald, and others.

Dunnville Consolidated Telephone Company, Limited, Dunnville, Ont., incorporated, capital \$60,000. Directors, R. A. Harrison, T. Marshall, A. W. Haun, M. L. Tarry, E. E. Anderson and W. J. Aikens.

The Argyle Silver Mining Company, Limited, Toronto, Ont., incorporated, capital \$500,000. Directors, W. Postlethwaite, Ethel Manning and Nan Manning.

The Robinette Brick Company, Limited, Sandwich, Ont., incorporated, capital \$40,000. Directors, H. W. Allan, J. Robinette, A. F. Healy and N. McL. Allan.

Silver Square Mining Company, Limited, Cobalt, Ont., incorporated, capital \$50,000. Directors, J. Shilton, W. H. Wallbridge, and others.

St. Lawrence Cobalt Mining Company, Limited, Bridgeburg, Ont., incorporated, capital \$40,000. Directors, E. J. Plumley, G. A. Cotton, and others.

Island Oil & Gas Company, Limited, Manitowaning, Ont., incorporated, capital \$100,000. Directors: R. W. Wallace, R. E. Flinn, J. C. Trees, M. L. Benedum, W. B. Beecher and A. F. Holliday.

Merner Manufacturing Company, Limited, Alliston, Ont., incorporated, to manufacture engines,

threshers, agricultural implements and machinery, capital \$300,000. Directors: S. Merner, A. Merner and H. S. H. Merner.

Barnard's Point Gold Mining Company of Larder Lake, Limited, Hamilton, Ont., incorporated, capital \$1,000,000. Directors, H. Barnard, W. Ross and others. Marshall and others.

The Stadacona Cobalt Silver Mining Company, Limited, Cobalt, Ont., incorporated, capital \$1,000,000. Directors, J. A. Ouimet, A.

Western Wheat Lands & Mining Company, Limited, London, Ont., incorporated, capital \$1,000,000. Directors, D. H. MacLeod, J. F. Noland and others.

Dominion Smelters Limited, Sault Ste. Marie, Ont., incorporated, capital \$1,000,000. Directors, H. H. Muggley, W. L. Peters, and others.

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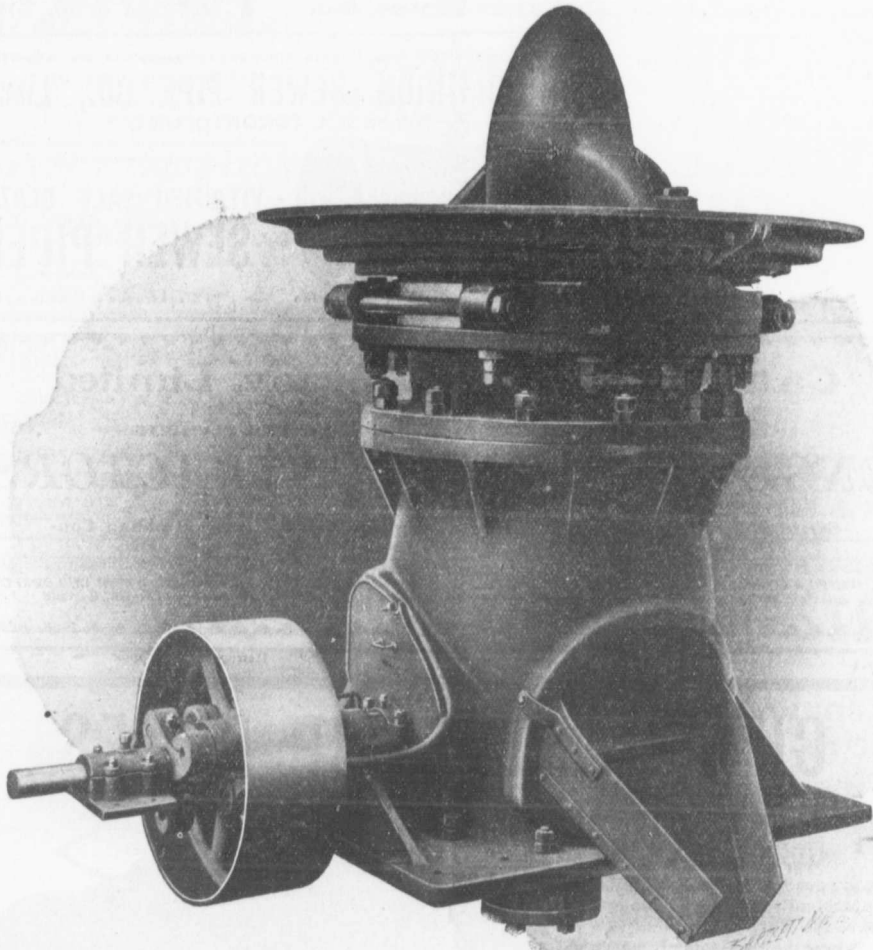
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Capital used not to exceed \$10,000. A. W. Marquis, St. Catharines, Ont., is attorney.

The Jehke Development Company, Limited, Windsor, Ont., incorporated, capital \$40,000. Directors, C. D. Joslyn, J. H. Harrington, A. Kelly, W. P. Elbert, and J. B. Elbert.

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(Continued on page 16.)

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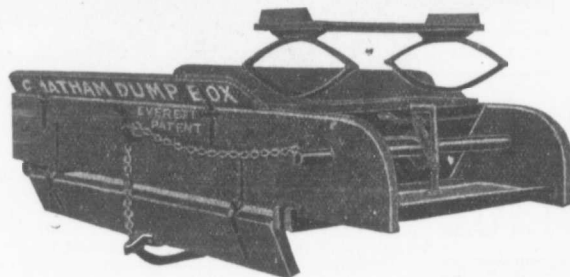
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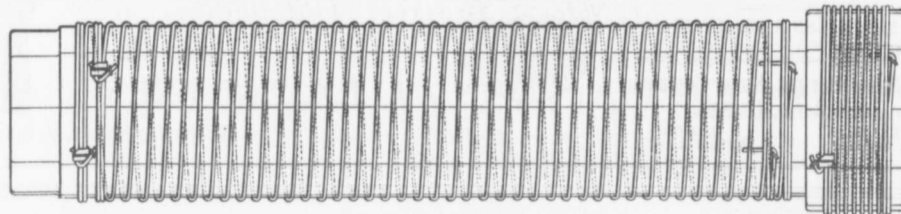
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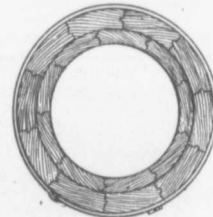
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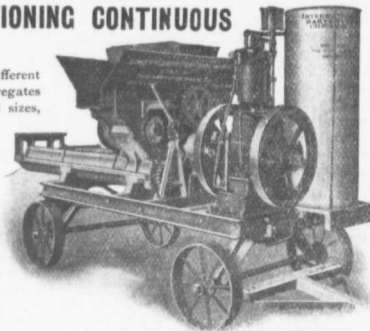
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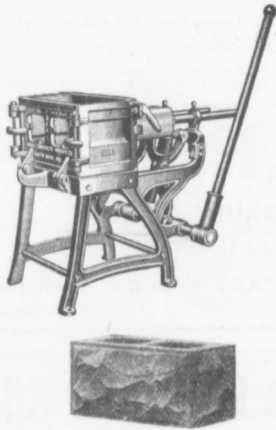
Mr. O. W. Smith, C.E., of Toronto, has been engaged by the city of Woodstock as consulting engineer in connection with the extension of sewerage system in that city. A Winnipeg company has been

incorporated under the name of The Pine Ridge Sand Company, Limited, with a capital of \$50,000. The officers are as follows: President, R. Watson; Vice-Pres., J. C. Hicks; Secty-Treas., P. D.

Hicks. Directors: H. Hodgson and J. S. Hough. Mr. R. Watson is acting as manager until a regular official is appointed. The temporary offices of the concern are at 202 McIntyre Block.

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					Initial	Final	Neat.					3 (Sand) to 1 (Cement)				
							1 dy.	7 ds.	28 ds.	3 mos.	1 yr.	1 dy.	7 ds.	28 ds.	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

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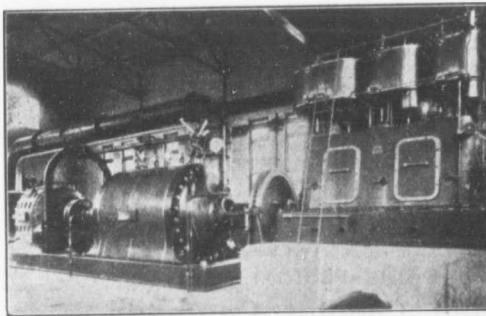
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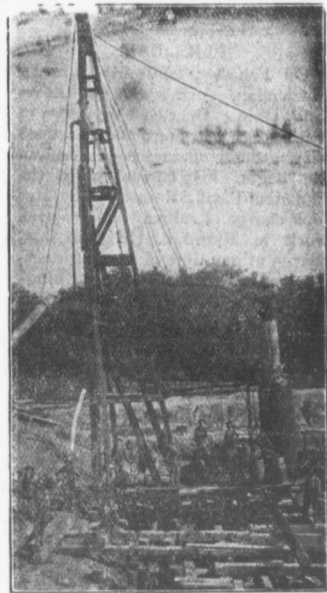
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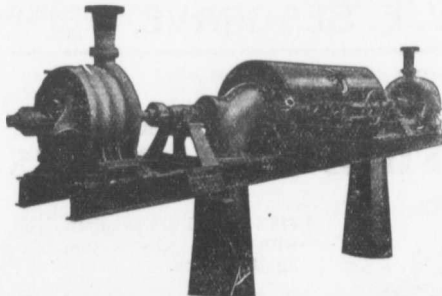
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NOTES.

City Architect McCallum of Toronto reports a very large volume of building authorized during February. The total value of 248 permits issued amounts to \$781,135 against 145 permits valued at \$344,775 issued the same month of last year. The building permits issued from January 1st to February 28th inclusive aggregate \$1,563,301.

PERSONAL.

On February 26th Mr. John D. MacLennan, C. E., died at Cleveland, Ohio. Deceased was born in Toronto 51 years ago and has been very prominent in his profession. He began his career with the Canadian Pacific Railway and later took charge of railway construction work in Florida. He also had charge at one time of the engineering staffs of the city of Washington, D. C. and was a member of a commission which investigated the Philadelphia filtration system.

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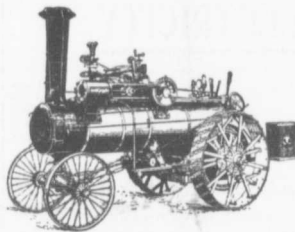
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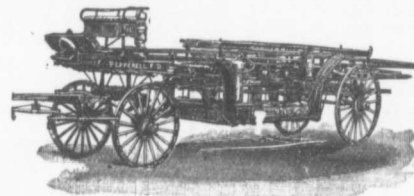
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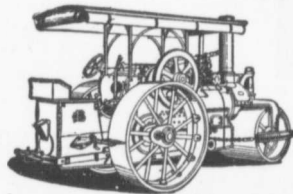


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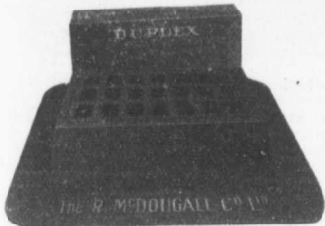
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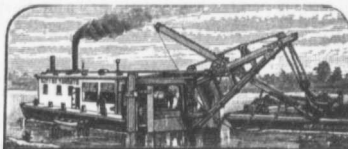
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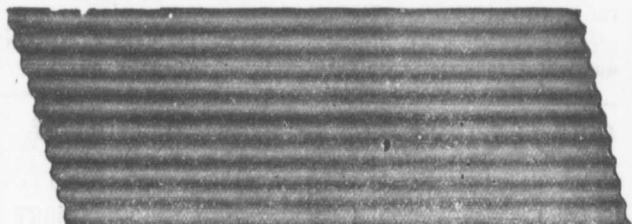
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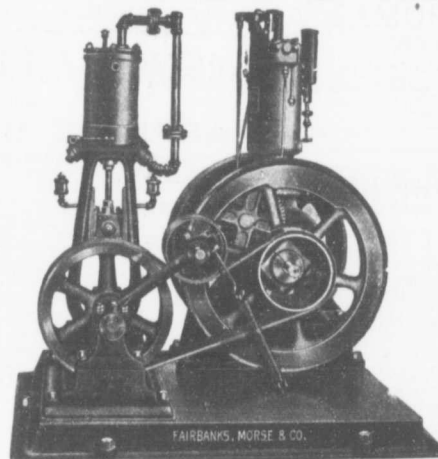
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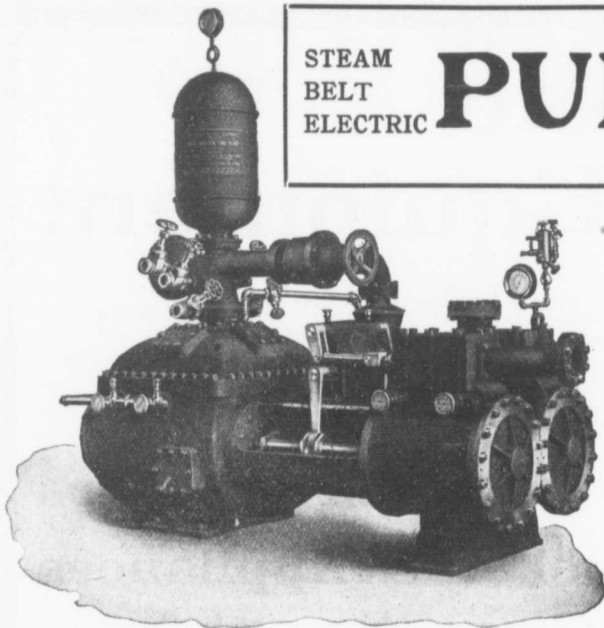
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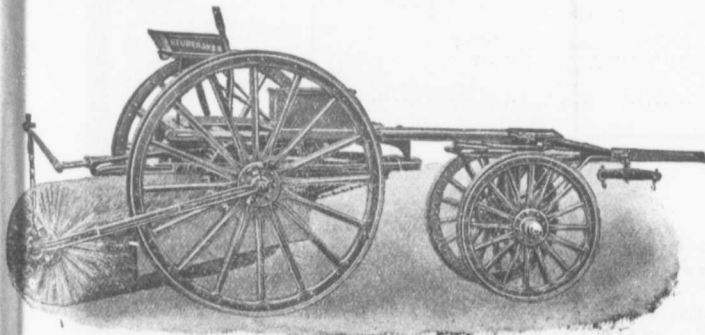
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