

# 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 — JANUARY 9, 1907 — WINNIPEG, VANCOUVER

No. 45

## THE CANADIAN CONTRACT RECORD

PUBLISHED EVERY WEDNESDAY  
As an intermediate Edition of the Canadian  
Architect and Builder.

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of Toronto, Limited,

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in advance.

CONFEDERATION LIFE BUILDING, TORONTO  
Telephone Main 2362.

Branch Offices:  
Room 534, Board of Trade Building, Montreal,  
Telephone Main 2299.

750-751 Union Bank Building, Winnipeg,  
Telephone 1274.

Davis Chambers, 615 Hastings St., Vancouver,  
N. C. Telephone 2248.

## Bridge Tenders Wanted

Sealed tenders will be received by the undersigned at Auburn P. O. or by Wm. Lane, Clerk, County of Huron—Goderich P. O., Ont., until MONDAY, 21ST DAY OF JANUARY, 1907, for the erection of the following bridges:

The Superstructure of a Steel Bridge to be erected over the Mailand River at the village of Bluevale, County of Huron, about one mile from the G. T. R. station. The bridge is to be one span 100 feet clear between abutments. Pratt truss 18 feet high from floor of bridge, 7 panels, 9 joists, 7 inches, roadway to be 16 feet wide. R-tiling to be 4 feet high of four tiers of 1 1/2 inch gas pipe. Floor to be of concrete not less than 4 inches thick and composed of 1 part best Portland Cement to 3 parts sand and gravel and to be properly reinforced with iron. The bridge must be strong enough to carry traction engines and all ordinary traffic. The bridge will be about 14 feet from the bed of stream, good bottom. Bridge to be completed on or before the 31st day of July, 1907.

A Steel Bridge to be erected on the Lakeshore Road in the township of Ashfield, about one mile north of Kingsbridge, to be one span 20 feet clear between abutments, 9 joists 9 inches. Concrete floor 16 feet wide, 1 part cement, 3 parts sand and gravel. Railing 4 feet high of four tiers of 1 1/2 inch gas pipe. Bridge to be completed on or before the 1st day of August, 1907.

A Steel Bridge, to be erected on the Lakeshore Road, Goderich Township, about one mile north of the village of Bayfield. To be a Pratt truss of one span, 50 feet clear between abutments, 8 feet high of 4 panels, 9 joists, 9 inches. Roadway 16 feet wide. Railing 4 feet high of four tiers of 1 1/2 inch gas pipe. Concrete floor 1 part cement, 3 parts sand and gravel, strength 125 pounds per square foot of floor surface with good safety fact or 34 feet from bed of stream to floor. Both bridges are about 12 miles from Goderich station. Bridge to be completed on or before the 1st day of August, 1907.

Tenders to be accompanied by marked cheque equal to 10 per cent. of the contract price and payable to the Treasurer of Huron County. Cheque will be forfeited should any contractor fail to enter into a satisfactory agreement for due fulfilment of contract. The deposits of unsuccessful tenderers will be returned. The lowest of any tender not necessarily accepted.

D. PATTERSON,  
County Commissioner,  
Auburn P. O., Ont.  
Dated December 28th, 1906.

## 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 2:30 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.



## 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 FEBRUARY, 1907, for the erection of a General Office Building at North Bay, Ont.

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 \$2,500 must accompany each tender.

The successful tenderer must enter promptly into a contract and furnish security for the amount of \$10,000.00 for due completion of same.

Cheques of unsuccessful tenderers will be returned to them.

The lowest of any tender not necessarily accepted.

H. W. PEARSON,  
Secretary-Treasurer.

Toronto, Dec., 21st, 1906.

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

## For Sale

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

Box 512, St. Catharines, Ont.



## TEMISKAMING AND NORTH- ERN ONTARIO RAILWAY COMMISSION

Sealed tenders addressed to the undersigned at 25 Toronto street, Toronto, and endorsed "Tender for Grading, Ballasting, etc." will be received up to five o'clock p. m. on

WEDNESDAY, THE THIRTEENTH  
DAY OF FEBRUARY, 1907,

for the construction of an extension of the Temiskaming and Northern Ontario Railway, including clearing of right-of-way, bridging, grading, ballasting and tracklaying complete and ready for operation, in accordance with plans and specifications prepared by the Chief Engineer of the Commission, such extension being from a point on the T. & N. O. Railway, 100 miles north of New Liskeard, northerly or north-westerly direction to a point forming a junction with the Grand Trunk Pacific (Transcontinental) Railway, a distance of forty (40) miles more or less.

Plans and specifications of the work may be seen at the office of the Chief Engineer of the Commission at North Bay.

The rails, fastenings and ties will be delivered to the contractor at the southerly end of the work (say 100 miles north of New Liskeard).

Tenders will not be considered unless made on the form supplied by the Commission and signed with the actual signatures of the parties tendering. An accepted cheque on a chartered bank, for \$10,000 payable to the order of the Chairman and Secretary-Treasurer of the Commission must accompany each tender.

The cheque of the party whose tender is accepted will be forfeited if such party fails or declines to enter into a contract in form satisfactory to the Commission, or fails or declines to furnish security to the satisfaction of the Commission for the due completion of the work at the rates, and on the terms stated in the offer submitted.

The cheques of parties whose tenders are not accepted will be returned to them on the contract being awarded.

The Commission is not bound to accept the lowest or any tender.

Dated at Toronto this seventh day of January, 1907.

H. W. PEARSON,  
Secretary-Treasurer.

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

## CONTRACTS OPEN.

**SARNIA, ONT.**—The Building Securities Co. are considering the erection of ten new houses.

**EAST TORONTO, ONT.**—It is reported that a by-law will be introduced for the erection of a new town hall.

**WOODSTOCK, N. B.**—Debentures for \$2,000 will shortly be issued to redeem those outstanding at present.

**ACTON, ONT.**—Johnston & Company have purchased property and intend to erect a business block thereon.

**EBURNE, B. C.**—Mr. M. Kerzie, proprietor of the Alberta Hotel, Vancouver, will erect a hotel here to cost \$6,000.

**TORONTO JUNCTION, ONT.**—The Bank of British North America will erect a building on Dundas Street to cost \$4,000.

**CONSECON, ONT.**—R. Smith and J. Johnston are promoting a canning company who intend to erect a factory to cost \$30,000.

**BARRIE, ONT.**—The Nichols Syndicate of Toronto, have been awarded a fifty year street railway franchise by the Town Council.

**PEMBROKE, ONT.**—The Dominion Government will shortly call for tenders for the erection of stables and other buildings for the militia.

**SANDWICH, ONT.**—The United States Steel Co., have acquired about one thousand acres of land here and will erect a large steel plant.

**WINGHAM, ONT.**—The ratepayers will be asked to authorize a loan of \$5,000 to the Wingham Carriage Co., with which to erect a new building.

**ST. JOHN, N.B.**—The Halifax Suburban Electric Co. will construct their road from Halifax to Waverly as soon as the weather is favorable.

**RED DEER, ALTA.**—The Board of Trade have received enquiries from capitalists who are considering the establishment of a large brewery here.

**MACLEOD, ALTA.**—C. J. Reach & Co. have decided to erect a large stone block.—R. T. Barker is having plans prepared for a three-storey stone building.

**STEELTON, ONT.**—Tenders will be received up to February 2nd, by J. Robinson, Town Clerk, for purchase of \$87,000 30 year, and \$10,000 20 year 4½ per cent. debentures.

**WEYBURN, SASK.**—Darling & Pearson, Winnipeg, Man., are taking tenders up to January 12th, for erection of a building here, for the Canadian Bank of Commerce.

**WOODSTOCK, ONT.**—Plans for a new public library building will be received up to January 21st by H. D. Knight, who will give full particulars to intending competitors.

**SAULT STE. MARIE, ONT.**—Tenders will be received by F. Gelinas, Secretary, Department of Public Works, Ottawa, Ont., up to January 21st, for dredging St. Mary's river.

**QUEBEC, QUE.**—It is reported that the Grand Trunk Railway have purchased property here on which to erect a large hotel building.—Authorities are considering the erection of a general hospital.

**DAUPHIN, MAN.**—Tenders will be received up to January 12th, by Darling & Pearson, architects, Winnipeg, Man., for erection of a building here, for the Canadian Bank of Commerce.

**SYDNEY, N.S.**—The Council are considering the erection of an asylum.—

The Canadian Bank of Commerce will shortly begin the erection of a two-storey stone building.

**WETASKIWIN, ALTA.**—Tenders will be received up to January 12th, by Darling & Pearson, architects, Winnipeg, Man., for the erection of a building for the Canadian Bank of Commerce.

**CORNWALL, ONT.**—The Town Council are about to purchase a stone crusher and are sending a deputation to Montreal to examine a gyratory crusher which Mussen Limited have offered for \$1,042.

**VICTORIA, B. C.**—The British Columbia Marine Railway Co. will erect a large machine shop.—The Auto Club are considering the erection of a club house at Albert Head, to cost about \$5,000.

**FORT WILLIAM, ONT.**—H. G. Brown, of New York, and associates who are considering the establishment of a car works here, will be in town on January 16th, to enquire into the facilities of the town.

**ST. BONIFACE, MAN.**—Tenders will be received up to February 11th, by J. B. Cote, Town Secretary-Treasurer, for supply of 500 Lead Flange Corporation Cocks ½ inch, and 500 Lead Flange Corporate Curb Cocks, ½ inch.

**BRANDON, MAN.**—The Board of Works have recommended the construction of a new bridge to cost \$32,000.—The Board of Directors of the Brandon Winter Fair, propose to begin the erection of a large building shortly.

**EDMONTON, ALTA.**—A representative of the Huff Grading Co., recently left for Montreal and other eastern points, for the purpose of purchasing a steam dredge, rock crusher, centrifugal pumps and other machinery.

**GALT, ONT.**—The Fire Chief has recommended the purchase of a new hook and ladder and also the installation of an electric alarm system.—The Board of Trade have received an enquiry from an American metal working company who will probably locate their works here.

**BOISSEVAIN, NAN.**—The Town Council have decided to proceed with the construction of the waterworks and sewerage system in accordance with plans prepared by C. Goddard, C. E., of Winnipeg. The estimated cost of the work is \$176,000.

**ST. ROCH'S, QUE.**—L. A. Cote has purchased property here on which he will erect a hotel building. The structure will consist of five storeys and basement, and will be built of Scotch brick.—It is understood that the Provincial Bank will erect a building here.

**NEW WESTMINSTER, B. C.**—F. W. Macey, Vancouver, B.C., acting for a Winnipeg merchant, has purchased the block of the British Columbia Electric Railway Co. Two storeys will be added and other improvements made to the building.—The British Columbia Cold Storage Company have decided to erect a five-storey addition to their premises.

**LONDON, ONT.**—The Vulcan Company, Limited, propose to erect a large factory.—The Grand Valley Railway Company are applying to the Dominion Government for authority to construct a railway from Woodstock to this city.—A. J. Small is negotiating for a site on which to erect a new theatre.

**HAMILTON, ONT.**—Hamilton Health Association have recommended the erection of a home for incurable consumptives.—The Canada Screw Co. and the Ontario Tack Co., who have amal-

gamated, have decided to make extensive additions to their plants.—The Ingersoll Amusement Co. have purchased property on the beach, and will erect a figure eight.

**BRANTFORD, ONT.**—Ogilvie, Lochhead & Company have purchased the building adjoining their present premises and intend to remodel both structures at a cost of \$10,000.—The Waterous Engine Works Company have taken out a building permit for an addition to their main building to cost \$4,000.

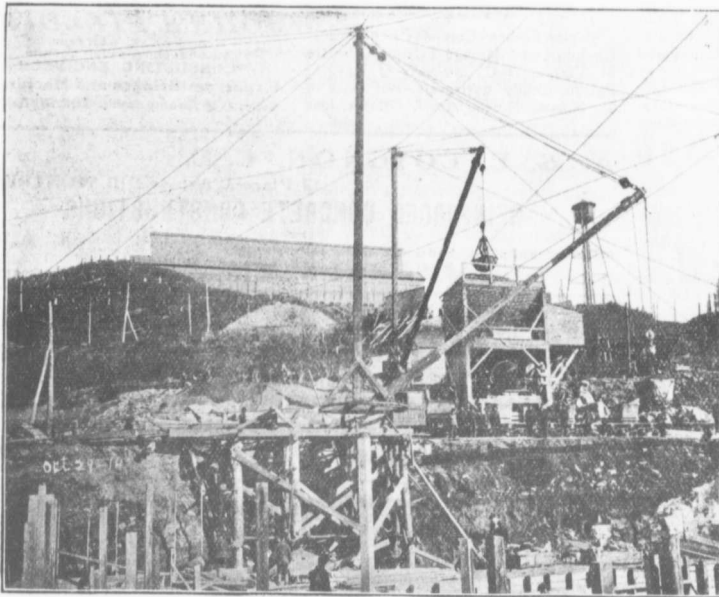
**MONTREAL, QUE.**—The Board of Directors of the Boys' Home favor establishing an Industrial farm, in which case several buildings will be erected.—The Quebec Government will shortly be asked to incorporate the Pontiac Central Railway Company, with power to construct a railway from Bryson, P. Q., to a post on James Bay.

**WINNIPEG, MAN.**—Darling & Pearson will receive tenders up to January 12th for erection of buildings for the Canadian Bank of Commerce at Weyburn, Sask., Dauphin, Man., and Wetaskiwin, Alta.—J. Forsing has taken a permit for erection of two two-storey dwellings on Toronto street, cost \$4,200.—A new Congregational church is to be erected at Fort Rouge.—The new Fire, Water and Light Committee have recommended the purchase of a motor for the waterworks station.

**VANCOUVER, B. C.**—J. V. and G. E. Lighthouse have taken out a permit for the erection of two houses to cost \$7,000.—The Canadian General Electric Co. have acquired property on Pender street, and are having plans prepared for a four storey building to be erected thereon.—Bodwell & Lawson will apply at the next session of the Provincial Government for an act to incorporate a company to construct a railway from the International boundary where it crosses the Chillyat river, northly to the boundary of Yukon territory.—It is reported that the Canadian Pacific Railway will construct a wharf on False creek at the foot of Abbott street.

**OTTAWA, ONT.**—Tenders will be received up to January 21st, by F. Gelinas, Secretary, Department of Public Works, for dredging in the St. Mary's river at Sault Ste. Marie, Ont. Plans at the office of the above department, the Postmaster, Sault Ste. Marie, and J. G. Sing, Confederation Life Building, Toronto.—It is reported that the promoters of a departmental store have offered \$80,000 for the property occupied by St. John's church.—Tenders will shortly be taken by the Grand Trunk Pacific Railway, for construction of the following sections of their road: Moncton, N.B., westerly 50 miles; Grand Falls, N.B., westerly about 62 miles; Quebec bridge easterly 150 miles; Tuque westerly to Wymontachene, 45 miles; a point eight miles west of the Abitibi river crossing easterly for about 150 miles. For the first and fourth sections the deposit is to be \$75,000; for the second section \$90,000, and for the third and fifth \$225,000 each.—The Grand Trunk Railway Company have filed plans with the Railway Commission for the proposed line from Port Union to Toronto.

**TORONTO, ONT.**—The Nepigon Railway Company will apply at the coming session of the Provincial Government, for an extension of time in which to complete its road.—Cassels, Brock, Kelley & Falconbridge, solicitors, this city, will apply to the Ontario Government at the next session thereof, for incorporation for a company who intend to develop electric power at or near Port Arthur, Ont.—The Thurlow Railway Company will seek incorporation at the



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GENERAL CONTRACTORS  
MONTREAL - CANADA

W.H.C. Mussen & Co.  
Montreal, P.Q.

Gentlemen:-

17th. December, 1906.

Re Smith Mixer.

We are sending you herewith a photo showing a No. 5 Smith concrete mixer working on factory buildings and hydraulic power-house for the Northern Aluminum Co.

On the factory buildings the mixer was loaded by carts and the concrete drawn away in wheelbarrows. On the Power-house work the mixer was loaded by an orange peel bucket and the concrete taken away in dump bottom buckets handled by derricks.

With the latter arrangement we can easily get out 30 yards an hour and have repeatedly made 12 yards of No. 1 concrete in 15 minutes.

We believe the Smith to be the best mechanical mixer made and will be glad to say a good word for these machines at any time.

Yours very sincerely

next session of the Ontario Government, with power to construct a road through the township of Thurlow. H. H. Macrae, this city, is solicitor for the applicants.—Lawrence Solman and associates have purchased the Rossin House, and will make improvements to same.—Tenders will be received up to February 13th, by H. W. Pearson, Secretary-Treasurer, Temiskaming & Northern Ontario Railway Commission, for grading, ballasting, etc. on new section of road in New Ontario.—D. O'Brien has purchased property at 184 186 King street west, and will remodel the buildings.—Alterations will be made to St. Andrews church, King st. west, to cost \$15,000.—Tenders are wanted at 77 Victoria street for brick and stone work for a house.—The following building permits have been issued: H. J. & E. R. Reynolds, 2½ storey brick dwelling, 25 Dundonald street, cost \$5,000; H. J. & E. R. Reynolds, 8 detached 2½ storey brick dwellings, Dundonald street, cost \$36,000; H. S. Mara, 2 pair semi-detached 2 storey brick dwellings, Dovercourt Road, cost \$9,000; House of Providence, 3 storey iron balcony around premises, Sackville street, cost \$5,000; Central Loan Company, alterations to office building, Victoria street, cost \$2,000.

**CONTRACTS AWARDED.**

ST. BONIFACE, MAN.—Electrical work in the St. Boniface Cathedral: Shipman Electrical Supply Co., Winnipeg, contractors.

CROWN HILL, ONT.—Installation of Kelsey system of heating in public school: James Smart Manufacturing Co., Brockville, Ont.

ST. THOMAS, ONT.—\$16,000 County of Elgin debentures awarded to G. A. Stimson, Toronto, at \$16,261. Other tenderers were: A. E. Jarvis &

Co., \$16,013, Dominion Securities Co., \$16,137, and W. C. Breat, \$16,109.

**FIRES.**

Taylor-Forbes Company's premises, Guelph, Ont., damage \$5,000.—Theatre at Vernon, B.C., property of Rev. S. Polson, totally destroyed.—Fur store of T. Nolan, Rideau street, Ottawa, loss

\$5,000.—The Begun building, Lethbridge, Alta., badly damaged.—Plant of

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**A. & E. LOIGNON, C. E.**

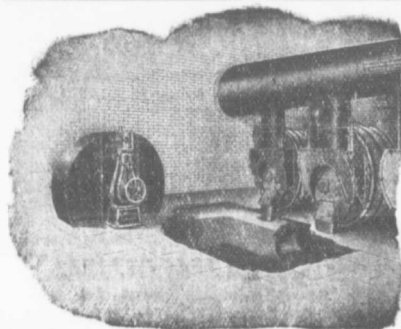
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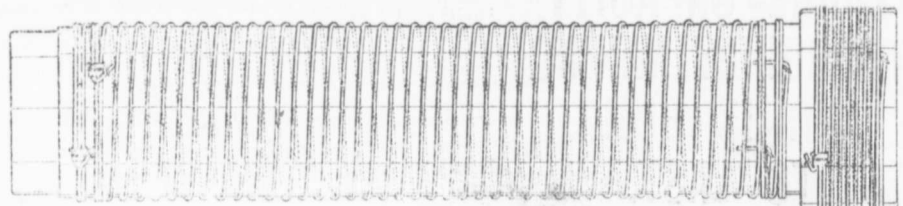


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End view of Pipe and Coupling.



the Hadden Shingle Mill Company, Cloverdale, B.C., damage \$5,000.—The Central House, Pugwash, N.S., totally destroyed.—Hotel Quinte, Belleville, Ont., loss \$100,000.—Building owned by Dominion Coal Co., St. John, N.E., damage \$8,000.—Premises of W. R. Noble and adjoining buildings, Winnipeg, Man., loss \$10,000.—Marsh's storehouse and premises of the Dominion Fuel Co., Quebec, Que., loss \$10,000.—Buildings of Star Shoe Co. and H. Bourge & Co., Montreal, loss \$8,000.

It is reported that P. Larivee, contractor, of Granby, Que., has assigned.

Byers & Anglian, contractors, Montreal, Que., have registered their business.

J. W. Depiesse and C. Giguere, contractors, of Vancouver, B. C., have dissolved partnership.

The building record in Toronto for 1906 is as follows: 3,439 permits issued, valued at \$13,160,396, while in 1905, 2,674 permits valued at \$10,347,910 were issued. For the month of December, 1906, 223 permits were issued having a value of \$969,783, as against 105 permits

worth \$604,350 in 1905. There were 4710 new buildings erected in 1906, an increase over 1905 of 1645.

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forged from one piece of High Carbon Bar Steel without weld or rivet, solid neck and blade, tempered in oil, straight chucked handle can be replaced when broken.

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Sectional View of finished One-piece Shovel, showing gauge or thickness of steel at different points

Note Solid Shank

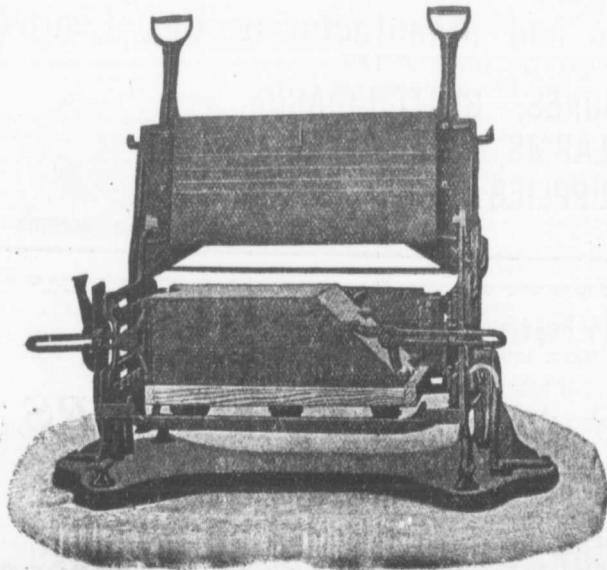
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Makes 40 Different Sizes of Stone in Any Design, as well as the Specials, viz.:

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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.

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Niagara Falls, - Can.

### ANNUAL DINNER OF TORONTO ENGINEERS' CLUB.

The annual dinner of the Engineers' Club, was held Thursday, January 4th, in the club's quarters on King Street and proved a very enjoyable affair to all those present. The chair was taken by Mr. F. L. Somerville, the president of the club, who proposed the toast of "Our Country," to which Dr. Galbraith, of the School of Practical Science, responded, speaking of the possibilities of Canada and the methods of encouraging immigration.

Mr. F. H. White, chief engineer of the Canada Northern Railway, who also responded to the toast, said that he was familiar with the Dominion from the Atlantic to the Pacific, and was proud of every part of it.

The toast of the "City of Toronto," was responded to by Mr. C. E. Goad, who said that Toronto might be made the most beautiful city in North America if

the plans of the Guild of Civic Art were carried out.

In response to the toast of "Sister Societies," Mr. Mackenzie spoke on of the students' societies of the School of Practical Science. He believed that too much work was being required of the teaching staff of the school, while in such fields leisure for special research was especially required.

Mr. Cecil B. Smith, representing the Canadian Society of Civil Engineers and Mr. Dillon Mills, representing the Canadian Institute, also replied to the same toast. The list of speakers was closed by Mr. J. D. Shields and Mr. C. M. Canniff, who responded to the toast of "The Ladies."

N. L. Martin, Toronto, has been appointed liquidator to wind up the affairs of the Keystone Engineering Company, Limited.

We are indebted to the United States Fidelity & Guaranty Co.,

of Baltimore, for a copy of their Surety Sayings Year Book of Proverbs and Comments for 1907. It is an excellent production and in keeping with the progressive policy of this company, whose Canadian headquarters are at 6 Colborne street, Toronto, and are in charge of Mr. A. E. Kirkpatrick.

### A. LEOFRED

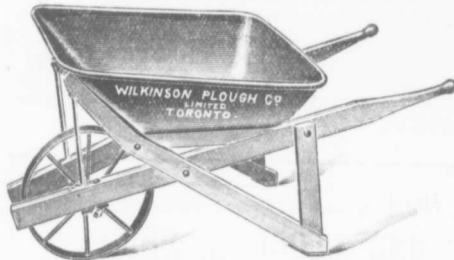
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TORONTO, CANADA



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FRAME: Selected Hardwood, Handles Capped and Projecting over Wheel

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TELEPHONES, SWITCHBOARDS,  
FIRE ALARMS, LINE MATERIAL  
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WINNIPEG OFFICE: BANK OF BRITISH NORTH AMERICA BUILDING

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**CONSULTING ENGINEER**  
and **EXPERT**

**SPECIALTIES:**  
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AND **ELECTRIC LIGHT**

Chief Assistant Engineers:  
O. W. SMITH, C. E.      W. J. BOWERS, C. E.  
**23 Jordan Street TORONTO**

**JOHN S. FIELDING**  
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**15 TORONTO ST. — TORONTO**

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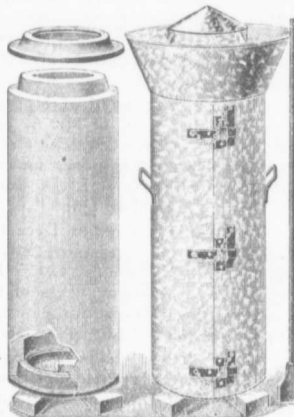
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OF REINFORCED CONCRETE

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For Cement Culvert Pipe

are patented in Canada and the States. Made right with right prices. Be sure you get the best and then go ahead. Send for 1907 Booklet.

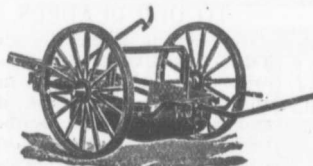
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76 ST. PETER STREET      307 CORISTINE BUILDING

### RESULTS OF MUNICIPAL BY-LAWS.

Numerous by-laws were voted upon by the different municipalities throughout Ontario on Monday last, and by the accompanying list it will be seen that in the majority of cases the by-laws were carried.

Southampton approved of a by-law to extend the waterworks system at a cost of \$5,000.

Tweed carried the by-law providing for the construction of granolithic side-walks.

Napanee decided, by a large majority, to improve the sewerage system.

Waterloo ratepayers carried the by-law which provides for improvements to the sewer farm at a cost of \$23,000.

Peterboro carried a by-law to provide \$21,000 additional to the \$40,000 already in the hands of the Board of Education to erect a new Collegiate Institute.

Lancaster carried the Good Roads by-law.

Stratford defeated by-laws to provide money for a market shelter, trunk sewer and implement shelter.

Collingwood defeated by-laws to build a new public school and a fire hall.

At Morrisburg the by-law to provide \$20,000 for extension and improvements to electric power plant was defeated.

London defeated the by-law to extend the waterworks at a cost of \$575,000 and also the by-law providing for an expenditure of \$75,000 on an Isolation Hospital.

St. Catharines voted favorably for extension of the water works to the cemetery.

Listowel decided to raise \$14,500 to construct new bridges.

Brantford carried sewer extension by-law.

Woodstock endorsed a by-law to raise \$20,000 for sewer extensions.

Guelph decided to loan \$25,000 to Morlock Bros., to extend their factory.

Renfrew decided to raise \$6,000 for sewer extensions, and the county system of good roads was carried.

Bolton will raise \$2,500 for cement walks.

Lindsay defeated the water works filtration by-law by a large majority.

Harriston voted to raise money for school purposes.

Thorold carried water works by-law.

Campbellford defeated a by-law to raise \$12,000 for improvement of sidewalks.

Paris defeated a by-law to raise \$12,000 for school purposes.

Windsor defeated a \$12,000 by-law to improve the electric light plant, and a by-law to suspend macadam paving for five years was a tie.

### PERSONAL

The death is reported of Mr. J. L. Morris, a well-known contractor of Medicine Hat, Alta.

The death is reported of L. Ritchie, of the firm of L. Ritchie & Co., builders, Toronto, Ont.

Dr. J. T. Kirkland has been appointed Town Clerk, of Almonte, Ont., in place of the late Lewis Coulter.

Mrs. T. C. Keefer, wife of the well known engineer, died at the Rockliffe Manor House, Ottawa, Ont., December 29th.

Mayor Sharpe, of Winnipeg, Man., stated recently that he would again go into the general contracting and building trade.

Mr. H. Clark, who for some time has been accountant of the Traders Bank, at Elora, Ont., has accepted the position of Clerk and Treasurer of that village.

Mr. Robert E. Davies, formerly of McCowan & Davies, Winnipeg, has assumed the temporary management of the Vancouver office of Hooper & Watkins, architects.

J. H. Blackwood, Secretary, Public Parks Board, Winnipeg, Man., will receive applications up to January 31st, 1907, for the position of Superintendent of Public Parks.

The death occurred at Montreal on December 30th, of Mr. A. J. B. Fogarty. Deceased was an electrical and hydraulic engineer, and was manager of the North River Power Company, Carrillon, Que.

The death occurred on December 28th, 1906, at Kingston, Ont., of Mr. Charles D. Daley, C.E. Deceased was about 60 years of age and was well known in Chicago, where he spent most of his time.

Mr. H. Brown has been appointed to the newly created position of City Clerk of Brandon, Man., at a salary of \$1,100 per year and Mr. Sykes will be the original City Treasurer, at a salary of \$1,800 per year.

### NOTES.

A new firm of railway contractors has been organized at Montreal, Que., under the name of Craig & Thomson.

Building operation during the past year at Victoria, B. C., amounted to \$633,000, and at Edmonton, Alta., \$1,868,096.

The Building Inspector of Vancouver, B. C., estimates that the total value of buildings erected in that city in 1906, exceeded \$3,500,000.

C. Ormsby & Company, Limited, Toronto, have been incorporated, to take over the business of C. Ormsby & Company, roofers, builders, etc.

It is said there will be more railway construction in Ontario and Quebec during 1907 than in

any past season since the building of the old North Shore line and the Ontario and Quebec between Montreal and Toronto.

The Pacific Coast Pipe Company, of Vancouver, B. C. has just completed a contract for the supply of ten and a half miles of 8-inch, high pressure, wire wound, wood pipe, for the C.P.R. This is laid ten feet under ground and carried water for over ten miles, from the Saskatchewan River to Suffield, a water tank station on the Main line, about 25 miles west of Medicine Hat, Alta.

The African natives were much interested in the building of the of the great bridge across the Zambesi at Victoria Falls, says June World's Work. They were mystified as the cantilever arms crept out from the cliffs. A chief was asked by his collector what he thought about it.

He replied that the playmates of the gods could of course do anything, and went on to say that evidently the chief god of the white man was holding up the two sides until further orders. Another always predicted disaster, and kept his unbelief until the bitter end. When he saw the arch joined, he pinned his faith to a tragedy for the first engine and train that would pass over. He was convinced that the bridge would fall down as soon as the train reached the middle. With a view to seeing his prophecy fulfilled he came with a full retinue, including many wives, and he saw the trucks come over. We believe that he was sadly disappointed, and that the faith of his tribe in him as a prophet has waned.

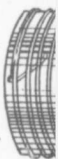
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CONSULTING ENGINEER  
**Hydraulics, Dams**  
ETC.  
WATER POWER DEVELOPMENT  
15 TORONTO STREET - - TORONTO

### TO OUR READERS.

We wish to make the **CONTRACT RECORD** of the greatest possible value to subscribers, and to that end we ask their co-operation. Each subscriber is requested to consider himself a correspondent of the paper and to send us intelligence regarding proposed works of construction and contracts awarded in his vicinity.

We cannot hope to learn, through our regular channels of information, of all work contemplated throughout this vast Dominion, but by the co-operation of our readers we may more nearly approach the maximum efficiency in the service given.

Correspondence sent to our head office at Toronto or to our branches at Montreal, Winnipeg or Vancouver, will receive due attention and be much appreciated.





**GERMAN ALSEN,** at higher prices than competitors has again this year been awarded the most important contracts of the World because practical tests by leading Engineers proved its merit and relative economy. Note the following:

<b>MEXICO CITY</b>	1905-1906	<b>120,000</b> bbls.	<b>U.S. PHILIPPINE GOVMT. ORDER</b>	1905-1906	<b>40,000</b> bbls.
<b>MEXCAL DAM</b> (shipping instructions so far 60,000 bbls) approximate amount		<b>175,000</b> bbls.	<b>GOVMT. ORDER SOUTH AMERICA</b>		<b>150,000</b> bbls.
<b>XOCHIMILCO WATER WKS., MEX.</b> approximate		<b>200,000</b> bbls.	<b>RIO DE JANIRO, SANTO, ETC.</b>		<b>40,000</b> bbls.

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## NEW COMPANIES.

W. G. Browne Company, Limited, Montreal, Que., incorporated to manufacture wall papers, moulding, etc., capital \$20,000. Incorporators, J. H. Maher, of Outremont, Que., W. G. Browne, J. W. Blair, F. J. Laverty, and E. J. Lynch, all of Montreal, Que.

The Century Silver Mining Company, Limited, Toronto, Ont., incorporated, capital \$1,000,000. Directors, S. Sager, G. Laws, and others.

The Lake Abitibi Gold Mining Company, Limited, Toronto, Ont., incorporated, capital \$200,000. Directors, J. R. Meredith, M. C. Cameron, and others.

The Pontiac & Nipissing Exploration Company, Limited, New Liskeard, Ont., incorporated, capital \$1,000,000. Directors, L. C. Thompson, P. Davis, and G. Fieck.

The Harris-Maxwell Gold Mining Company, Limited, Toronto, Ont., incorporated, capital \$1,000,000. Directors, W. R. Wakefield, E. Wakefield and others.

Bechtels, Limited, Waterloo, Ont., incorporated, to manufacture brick, tile, and cement products, capital \$75,000. Directors, B. E. Bechtel, W. B. Bechtel, C. E. Bechtel, W. J. Watson, C. E. Whyard, and Phoebe A. Watson.

The Hamilton & Lewitt Knitting Company, Limited, Arnprior, Ont., incorporated, capital \$40,000. Directors, H. J. B. Hamilton, J. E. Lewitt and C. R. Lewitt.

The Alder Street Natural Gas Company, of Dunnville, Limited, Dunnville, Ont., incorporated, capital \$20,000. Directors, S. W. Brown, J. Bradford, J. E. Griffin, B. L. Edgecombe, and others.

A license has been granted the Chicago-Cobalt Silver Mining Company, incorporated under laws of the State of South Dakota, to carry on business in the province of Ontario, provided the capital used does not exceed \$500,000. F. Denton, K. C., Toronto, is attorney.

The Nipissing Copper & Silver Company, Limited, Toronto, Ont., incorporated, capital \$3,500,000. Directors, F. A. Hall, S. H. Bradford, and S. J. Marchallick.

Dardanelles Larder Lake Gold Mines Limited, Toronto, Ont., incorporated, capital \$250,000. Directors, H. Stanyon, F. Pottage, and others.

The Penn Cobalt Mining Company, Limited, Toronto, Ont., incorporated, capital \$500,000. Directors, J. E. Day, E. V. O'Sullivan, and others.

The Lumsden Mining Company, Limited, Toronto, Ont., incorporat-

ed, capital \$1,000,000. Directors, J. I. MacCracken, A. H. Beaton, and others.

The Cowan Construction Company, Limited, Winnipeg, Man., incorporated, capital \$150,000. Incorporators, W. J. Cowan, E. R. Campbell, P. C. Andrews, C. G. Cowan, and F. W. Tisdale.

Winnipeg Foundry Company, Limited, Winnipeg, Man., incorporated, capital \$20,000. Incorporators, J. T. Hill, H. Bell, W. A. Armstrong, and others.

The Pine Ridge Sand Company, Limited, Winnipeg, Man., incorporated, capital \$50,000. Incorporators, H. Hodgson, Springfield, Man., P. D. Hicks, R. Watson, J. C. Hicks, and J. S. Hough, all of Winnipeg, Man.

The Well Machine & Windmill Company, Limited Winnipeg, Man., incorporated, capital \$20,000. Incorporators, C. S. Tyrell, J. S. Inkster, H. W. Hutchinson, W. S. Evans, and J. A. MacRae, all of Winnipeg.

Kerr Lake Lawson Mining Company, Limited, Cobalt, Ont., incorporated, capital \$1,500,000. Directors, W. Lawson, W. F. Powell and R. T. Shillington.

Cobalt Lake Mining Company, Limited, Toronto, Ont., incorporated, capital \$5,000,000. Direct-

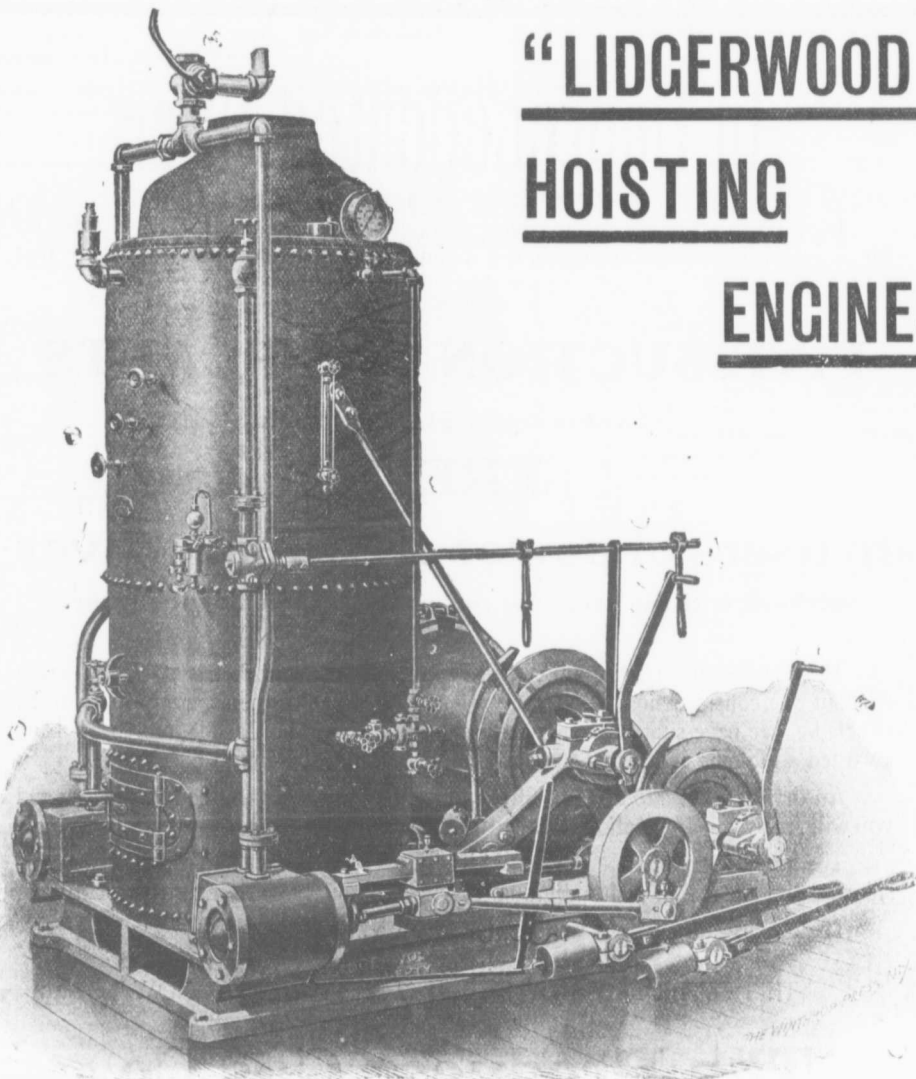
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## FIVE SUCTION GAS PLANTS

of value up to \$1,000.00 each

### FREE

### to users of power of 25 h.p. and over

dividing with the users the net saving effected by their use.

This may seem an impossible offer for us to make, but it has not been made without due consideration founded upon our experience of the economy that can be effected. We have supplied some of the largest plants in Canada, and have been awarded a diploma and medal for our exhibit at the 1906 Toronto Exhibition.

All that you have to do is to fill in, cut off and send us the coupon below and you will receive an application form with the easily fulfilled conditions clearly defined.

The applications will be considered with regard to the economy that we consider can be effected in each individual case, and secondly, with regard to locality.

The earliest applications will receive first attention.

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## The Producer Gas Co.

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Date.....

To the PRODUCER GAS CO., 11 Front Street East, Toronto.

Please send me application form and full particulars regarding above offer of Free Plant.

$\frac{1}{we}$  use  $\begin{matrix} Gas \\ Steam \\ Gasoline \end{matrix}$  Engine of..... Horse Power.

Name.....

Address.....

C. R.

In addition to the above offer of five free plants we are prepared to consider and offer special terms in all cases where a sufficient saving can be effected.



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ors, Sir H. M. Pellatt, N. Macrae, B. Osler and others.

The Artesian Water Company, Limited, will seek incorporation at the next session of the Ontario Government.

Gilley Bros., Limited, have been incorporated by the British Columbia Government with an authorized capital of \$50,000.

The Federal Lumber Company, Limited, Montreal, Que., incorporated, capital \$49,500. Incorporators, J. A. Ranger, J. H. Gareau, of St. Polycarpe, Que., J. Mercure, A. R. Ranger and E. Biron, all of Montreal.

Dominion Mines and Metals, Limited, Sault Ste. Marie, Ont., incorporated, capital \$1,000,000. Incorporators, A. Wilson, of London, England, J. H. More, of Sault Ste. Marie, Mich., A. J. Saunders, of Sault Ste. Marie, Ont., E. J. Daly and Margaret McKain, both of Ottawa, Ont.

The Collingwood Shipping Company, Limited, Collingwood, Ont., incorporated, capital \$90,000. Directors, W. T. Allan, N. Brophy, J. R. Arthur, W. A. Hogg, and W. Carnichael.

The Banner Cobalt Mining Company, Limited, Windsor, Ont., incorporated, capital \$1,000,000. Directors, R. Schulerburg, M. L. Rice, and others.

Consolidated Cobalt Mines, Limited, Toronto, Ont., incorporated, capital \$2,000,000. Directors, H. Armstrong, A. Fasken, and others.

Cobalt Silver Crown, Limited, Toronto, Ont., incorporated, capital \$1,000,000. Directors, J. W. McDonald, R. S. D. Hartrick, and others.

The Casey Silver Cobalt Mining Company, Limited, Haileybury, Ont., incorporated, capital \$100,000. Directors, F. Pottage, G. H. Shackleton, and others.

Standard Cobalt Mines, Limited, Toronto, Ont., incorporated, capital \$2,000,000. Directors, H. Armstrong, A. Fasken, and others.

Nation Silver Cobalt Mining Co., Limited, Ottawa, Ont., incorporated, capital \$1,000,000. Directors, R. W. Gordon, J. W. Smith, C. J. R. Bethune, and others.

The Freeda Larder Lake Gold Mining Company, Limited, Toronto, Ont., incorporated, capital \$500,000. Directors, J. E. Day, J. M. Ferguson, and others.

Pennsylvania Cobalt Silver Mines, Limited, Toronto, Ont., incorporated, capital \$1,000,000. Directors, E. Van Portway, J. G. Adair, and others.

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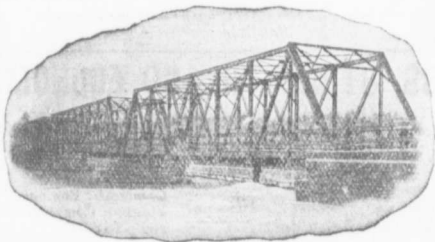
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The White Lily Milling & Mining Company, Limited, Fort William, Ont., incorporated, capital \$1,000,000. Directors, H. W. Robinson, J. H. Buxton and others.

The total value of building permits issued at Brantford, Ont., for the year 1906 amounted to approximately \$410,000.

The Building Inspector of the City of Regina, Sask., has issued his yearly statement which shows that buildings to the value of \$1,982,330 were erected during the year 1906.

Messrs. Morrison & Hardy, who were formerly connected with the Dominion Engineering & Construction Company, Montreal, have organized the Cobalt Construction Company. Mr. S. Angelsey, formerly of Peterboro, Ont. is also interested in the new concern.

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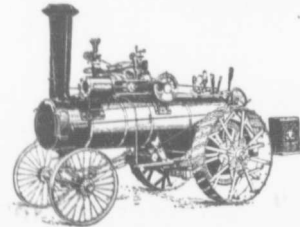
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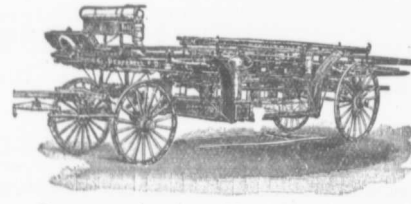
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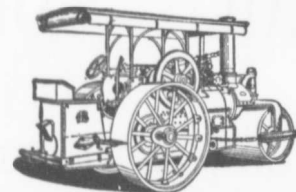
Seagrave Patent Trussed Ladders, Trussed Aerial, City Service and Village Hook and Ladder Trucks, Combination Hook and Ladder Trucks and Chemical Engines, Trussed Trucks and Hand Pumps, Combination Hose Wagons and Chemical Engines, Hose Wagons, Combination Hook and Ladder Trucks and Hose Wagons, Chemical Engines, Fire Extinguishers, Hose Reels, Patrol Wagons, Ambulances, Specialty Wagons, Patent Sleigh Runners, and other Modern Fire Fighting Tools.



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The Engineers Club of Montreal, have signified their intention of applying to the Quebec Government at the next session, for an act to amend its constitution, and power to hold real estate.

Purdy, Mansell & Company, plumbers, gas, hot water and steam fitters, Toronto, have been incorporated as Purdy Mansell, Limited. Douglas Bros., Limited, is the new name of the firm here-to-fore

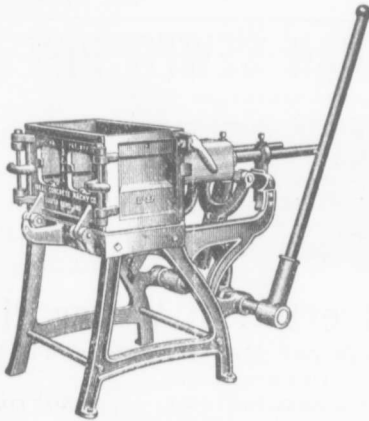
known as Douglas Bros., roofers and sheet metal manufacturers, Toronto. L. A. Ross, contractor, Cornwall, Ont., is said to have assigned to W. R. Mack.

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					Initial	Final	Neat.					3 (Sand) to 1 (Cement)				
							1 dy	7 d, s	28 d, s	3 mos	1 yr.	1 dy	7 d, s	28 d, s	3 mos	1 yr.
1903	20	O.K.	3.135	2.1	162	345	307	701	783	827	*	74	214	299	367	*
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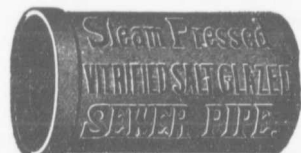
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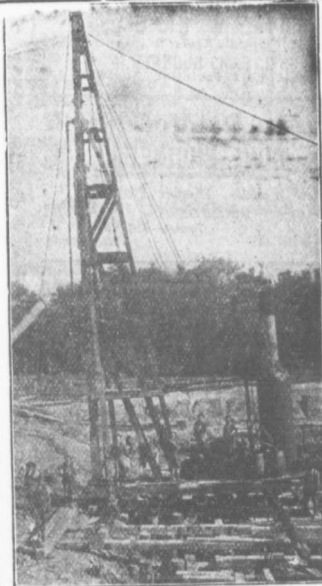
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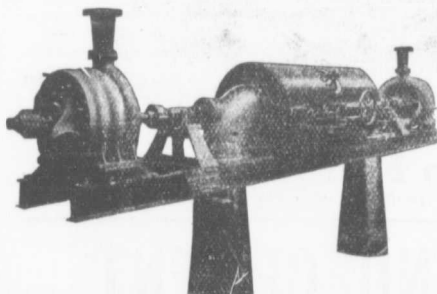
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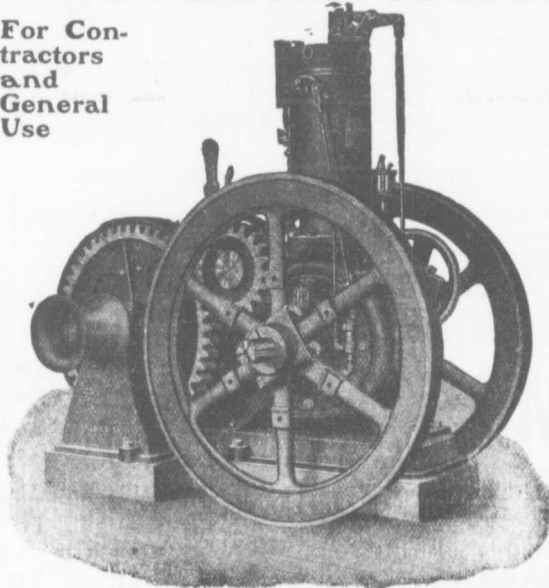
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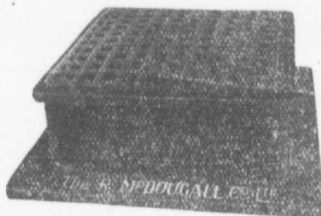


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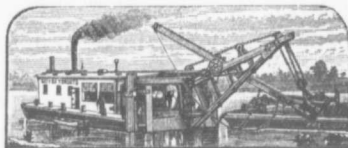
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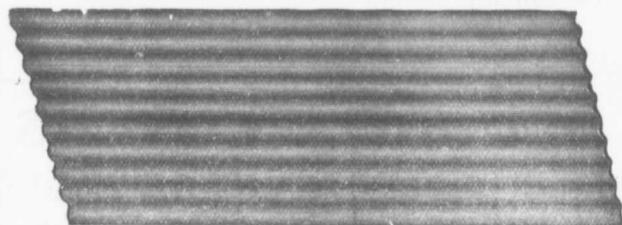
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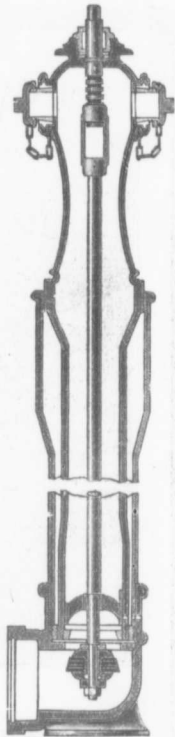
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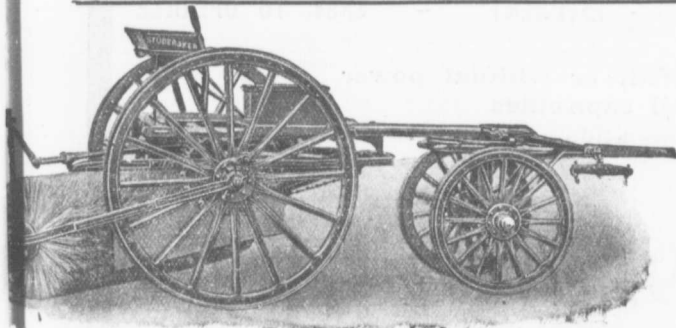
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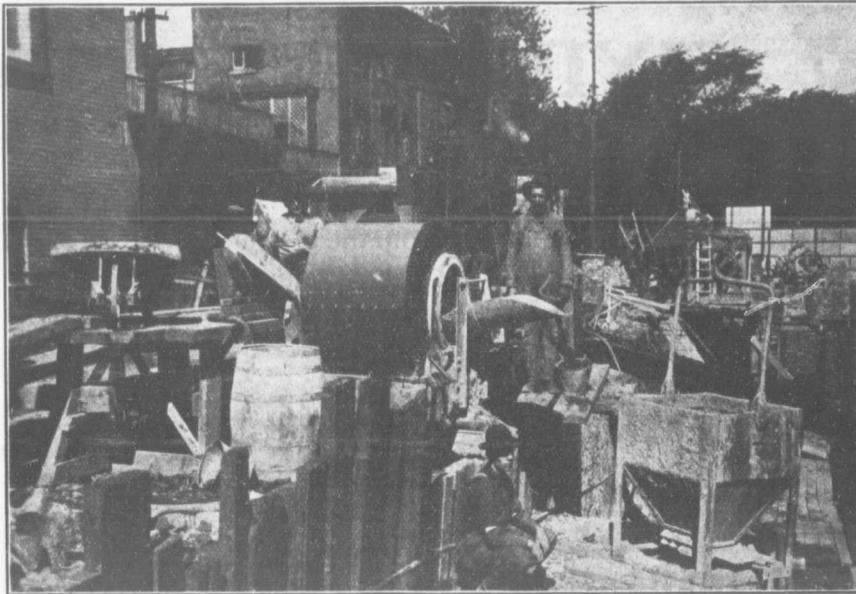
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