

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 — NOVEMBER 14, 1906 — WINNIPEG, VANCOUVER

No. 37

THE CANADIAN CONTRACT RECORD PUBLISHED EVERY WEDNESDAY

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in advance.

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lishers of any irregularity in delivery of papers.

City of Prince Albert, Sask.

ENGINEER WANTED

Applications for the position of City Engineer for the City of Prince Albert, Sask., will be received by the undersigned up to FRIDAY, NOVEMBER THE 30TH, 1906. Applicants are requested to furnish references, state qualifications and salary expected.

C. O. DAVIDSON,
Secretary-Treasurer.

TOWN OF PRESTON WATERWORKS

Tenders will be received by the undersigned up to 6 p. m. NOVEMBER 29TH, for the construction of a

STEEL WATER TOWER

Plans and specifications may be obtained from the Engineers, Davis & Johnston, Berlin and Galt. The lowest or any tender not necessarily accepted.

C. R. HANNING,
Town Clerk.

City of Prince Albert, Sask.

DEBENTURES FOR SALE

Scaled bids will be received by the undersigned up to FRIDAY, NOVEMBER 30TH, 1906, for the purchase of \$50,000 City of Prince Albert 4 1/2 per cent. Debentures. These debentures are repayable in thirty equal consecutive annual instalments of Principal and Interest and are issued in denominations of \$100, with coupons attached. Tenders must include accrued interest from date of issue (July 14th, 1906) to date of delivery to purchaser.

C. O. DAVIDSON,
Secretary-Treasurer.



Tenders for Central Fire Hall on Adelaide Street West, Toronto.

Separate or bulk tenders will be received by registered post only, addressed to the undersigned, up to noon on TUESDAY, NOVEMBER 27TH, 1906, for the following trades required in connection with the above building, viz.:

- 1—Excavation, masonry, cut stone, etc.
- 2—Carpenter and joiner.
- 3—Iron and steel work.
- 4—Galvanized iron work.
- 5—Roofing.
- 6—Gas fitting and plumbing.
- 7—Hot water heating.
- 8—Electric wiring.
- 9—Plastering.
- 10—Painting and glazing.
- 11—Filing.

Plans and specifications may be seen and forms of tender and all information obtained at the office of the City Architect, Toronto.

Envelopes containing tenders must be plainly marked on the outside as to contents. The usual conditions relating to tendering, as prescribed by City By-law, must be strictly complied with, or tenders will not be entertained. The lowest or any tender not necessarily accepted.

EMERSON COATSWORTH,
(Mayor) Chairman Board Control.
City Hall, November 10, 1906.



TENDERS FOR ANNUAL SUPPLIES

Tenders will be received by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, up to noon on TUESDAY, NOVEMBER 27TH, 1906, for annual supplies for the year, ending December 31st, 1907.

- | | |
|--------------------------------------|------------------|
| Lumber | Hardware, Etc. |
| Pit Gravel (screened and unscreened) | Sewer Brick |
| Hydrants | Sand |
| Lubricating Oil | Cement |
| Rubber Valves, Etc. | Sewer Pipe |
| Iron Valves and | Brass and Bronze |
| Stop Cock Boxes | Castings |
| Iron and Steel | Brass Work for |
| Stop Valves | House Services |
| Crushed Stone | Lead Pipe |
| Paving Blocks | Special Castings |
| Cedar Posts | Kerbing and |
| | Scantling |

Envelopes containing tenders must be plainly marked on the outside as to contents.

Specifications may be seen and forms of tender obtained at the office of the City Engineer, Toronto.

The usual conditions relating to tendering as prescribed by City By-law must be strictly complied with.

The lowest or any tender not necessarily accepted.

E. COATSWORTH (Mayor),
Chairman Board of Control.
City Hall, Toronto, November 8th, 1906.

TENDERS

Tenders will be received by the Fort Steele Brewing Company, Limited, up to the 15TH DAY OF DECEMBER, 1906, for all branches of work required in the erection of an up-to-date fireproof brewery, with a capacity of about 20,000 barrels per year. Building to be composed of brick and iron with cement foundation and stone trimmings.

The lowest or any tender not necessarily accepted. Plans and specifications can be seen on application at the company's office. All tenders must be accompanied by a marked cheque for 5 per cent. of the amount of the bid. Dated at Ferrie, British Columbia, this 27th day of October, 1906.

ALBERT MUTZ, President.
JOHN B. SMITH, Secy.-Treas.

TOWN OF PICTON

\$15,000.00 High School Debentures FOR SALE BY TENDER

Scaled tenders, addressed to Mayor, G. M. Farrington, and marked

"Tenders for High School Debentures,"

will be received up to SATURDAY, DECEMBER 16TH, 1906, for the purchase of \$15,000 of High School Debentures of the Town of Picton.

Full particulars furnished on application to

R. A. NORMAN, Town Clerk,

Town of Picton, Ont.

N. B.—The highest or any tender not necessarily accepted.



Tenders for Storehouse at the rear of Rose Avenue Fire- hall, Toronto.

Separate or bulk tenders will be received by registered post only, addressed to the undersigned, up to noon on WEDNESDAY, NOVEMBER 15TH, 1906, for the following trades required in connection with the above building, viz.:

1. Mason work, etc.
2. Carpenter work.
3. Blating and galvanized iron work.
4. Painting and glazing.

Plans and specifications may be seen, and forms of tender and all information obtained, at the office of the City Architect, Toronto.

Envelopes containing tenders must be plainly marked on the outside as to contents. The usual conditions relating to tendering, as prescribed by City By-law, must be strictly complied with, or tenders will not be entertained. The lowest or any tender not necessarily accepted.

EMERSON COATSWORTH, (Mayor),
Chairman Board of Control.
City Hall, November 10th, 1906.

[FOR ADDITIONAL ADVERTISEMENTS FOR TENDERS SEE NEXT PAGE.]

DRAUGHTSMAN

First class architectural man desires position as head draughtsman. For particulars apply to Box 100 CANADIAN CONTRACT RECORD, Board of Trade Building, Montreal.

TOWN OF SELKIRK**SEWERAGE TENDERS**

Notice is hereby given that the time for receiving Tenders on the above has been extended to the 10th INST.

THOS. PARTINGTON,
Secretary-Treasurer.

Selkirk, November 7, 1906.

TOWN OF LISTOWEL**TENDERS FOR****REINFORCED CONCRETE ARCH BRIDGES**

Separate or bulk tenders, addressed to the undersigned and marked "Tender", will be received until 7 o'clock p. m. on **TUESDAY, NOVEMBER 27th, 1906**, for the construction of Reinforced Concrete Arch Bridges on Main, Wallace and Elma streets, in the Town of Listowel. The aggregate length will be about 510 feet of conduit, 36 feet span.

Plans and specifications can be seen and all information obtained at the office of W. H. Binning, Architect, Listowel.

The lowest or any tender not necessarily accepted.

A. ST. GEO. HAWKINS,
Chairman Board of Works.
Listowel, November 10th, 1906.

CONTRACTS OPEN.

PONOKA, ALTA.—C. C. Reed has taken tenders for construction of a town hall.

STURGEON FALLS, ONT.—It is reported that the paper mills here will be enlarged.

ST. JOHN, N. B.—Brown Bros. have thrown up their contract for repairing the Central Railway.

LACOMBE, ALTA.—H. A. Day will build a new block, corner Barnett avenue and Railway street.

STELLARTON, N. S.—The citizens are taking steps towards having a new post office erected.

REVELSTOKE, B. C.—The Columbia River Transportation Co. will build a large saw mill here.

ST. CATHARINES, ONT.—Tenders will be considered this week for electric lighting of the streets.

BURFORD, ONT.—The Crown Bank have purchased a site from Dr. Johnstone for a new bank building.

ALMONTE, ONT.—Taylor Bros. & Co. have purchased a site south of the market for a large coal shed.

PORT CREDIT, ONT.—A. Blower has purchased a site for new residence, in south west part of village.

BLENNHEIM, ONT.—The installation of a water works system is receiving the attention of some of the citizens.

ELMIRA, ONT.—On November 26th a by-law will be voted on to raise \$25,000 to establish a waterworks system.

CHATHAM, ONT.—Negotiations are under way for erection of a three story hotel to replace the Klondyke House.

SYDNEY MINES, N. S.—James Cann, of Centerville, and associates, have decided to build a modern abattoir here.

LINDSAY, ONT.—T. W. Staples and G. H. Lindsay have purchased a lot of land on which several residences will be built.

CHARLOTTETOWN, P. E. I.—The Government have decided to erect one central jail for the province, near this city.

KENORA, ONT.—The Hilliard house is being torn down and is to be replaced by a new concrete building.

PRINCE ALBERT, SASK.—The Council have refused the application of W. S. Weeks for a street railway franchise.

WEYBURN, SASK.—J. V. Mitchell has purchased a site for the new post-office, for which Mr. Jarrett is preparing plans.

MAPLE CREEK, SASK.—J. H. G. Russell, architect, Winnipeg, is preparing plans for a new rink building, 200 by 75 feet.

PETROLEA, ONT.—F. D. McDonald, Commissioner, has taken tenders for repairs to Gardner and Marshall drains.

WESTPORT, ONT.—A by-law will be voted on to grant \$4,000 to the New Idea Buckle Co. to establish a factory here.

RENFREW, ONT.—S. E. Mitchell, County Clerk, wants bids by 20th inst. for purchase of \$14,000 4 per cent. debentures.

SARNIA, ONT.—At a public meeting last week a resolution was carried in favor of taking immediate steps to repave Front street.

BLACKFALDS, ALTA.—A museum is to be built here by P. B. Gregson, under the auspices of the Alberta Natural History society.

ST. JOHN, QUE.—It is stated that the Singer Manufacturing Co. intend to erect a large sawmill in connection with their plant here.

STRATHCONA, ALTA.—The Town Council have passed a by-law authorizing the issue of debentures for \$35,000 for electric light plant.

THAMESVILLE, ONT.—Zone Township Council will submit a by-law to the ratepayers to spend \$10,000 on road improvements.

BRANDON, MAN.—It is estimated that \$75,000 is needed for school purposes, including a new school in the East ward to cost \$25,000.

INGERSOLL, ONT.—W. R. Smith, town clerk, will receive tenders up to November 24th for purchase of \$20,000 4 1/2 per cent. debentures.

BARRIE, ONT.—On November 29th a by-law will be voted on to grant concessions to the Dymont Foundry Co. to rebuild, at a cost of \$30,000.

PARIS, ONT.—The Committee on Buildings have decided to ask the Council for an appropriation of \$12,000 for addition to Kings Ward school.

WOODSTOCK, ONT.—Haney & Miller, contractors, Toronto, intend locating a branch of their business here and will erect warehouses, etc.

SELKIRK, MAN.—The time for receiving tenders for sewerage work has been extended to the 10th inst. Thomas Partington, Secretary-Treasurer.

WINDSOR, ONT.—It is probable that a by-law will be submitted to the ratepayers in January to raise money to install a municipal electric light plant.

MINBURN, ALTA.—The Massey-Harris Co. purpose erecting a warehouse here.—The East Kootenay Lumber Co. are considering the erection of a warehouse.

GUELPH, ONT.—The Light & Power Committee have recommended the installation of an ammonia plant in connection with the gas works, at cost of \$2,000.

FREDERICTON, N. B.—The Board of Education have appointed Dr. Inch to report on the question of enlarging and improving the Normal school building.

REGINA, SASK.—The Hospital directors will ask the City Council to submit a by law to the ratepayers authorizing the building of a municipal hospital to cost \$100,000.

LOUISVILLE, QUE.—The St. Leon Railway Co. will seek incorporation to build a railway from this place north to St. Elix, with branches to Three Rivers and Lake Maskinonge.

LONDON, ONT.—The Board of Water Commissioners have decided to ask the City Council to have the ratepayers vote on extension of waterworks system, cost \$575,000.

AMHERSTBURG, ONT.—A by-law to grant aid to the Canadian Cannery, Limited, for the purpose of establishing a canning factory here, will be submitted to the ratepayers on December 3rd.

WALKERVILLE, ONT.—The organization of the Dominion Dash Co. has been effected. The parties interested are Detroit men, who have purchased a site on Erie street for a factory.

HAMILTON, ONT.—John F. Shurt and Thomas Fanning have purchased building sites on Stanley avenue. S. F. Lazier, K. C., has bought fifty feet at corner of James and Maria streets.

STREETSVILLE, ONT.—The citizens are considering the building of a dam and developing power. John S. Feilding, C.E., Toronto, has been engaged to prepare plans and report.

OAK BAY, B. C.—J. S. Floyd, Town Clerk, has taken tenders for grading and macadamizing St. George street, Monterey avenue and Transit road; and construction of sewer and septic tank.

HEADINGLY, MAN.—The ratepayers have petitioned the Minister of Public Works for aid in building a bridge over the Saskatchewan river.—The C. P. R. have been asked to build a new station.

PORT ARTHUR, ONT.—By-laws have been carried to guarantee \$75,000 bonds of the Meisel Manufacturing Co. to establish works here, and to loan \$15,000 to the Seamen, Kent Co. to erect a factory here.

WINGHAM, ONT.—W. Dore is considering the erection of additions to his carriage factory.—The Municipal Council have passed a by-law to issue \$16,500 debentures for site and erection of High School building.

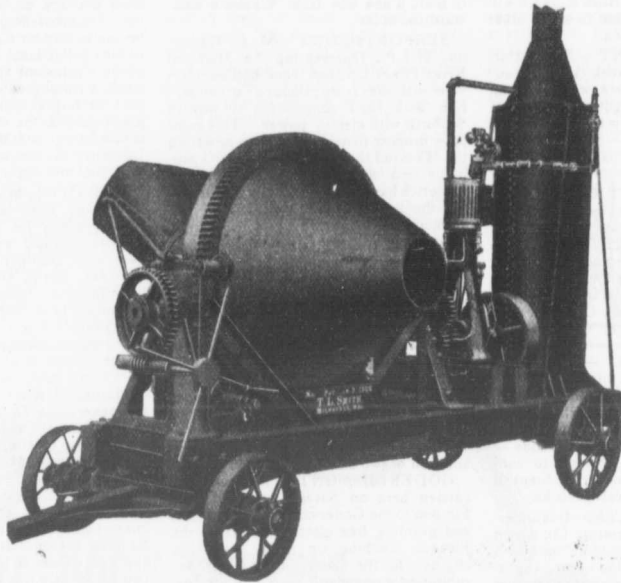
BRAMPTON, ONT.—Peel County Council have decided to spend \$100,000 for the improvement of 100 miles of the main country roads.—T. S. Beck is one of a committee to have plans prepared at an early date for a new music hall.

MINNEDOSA, MAN.—Members of the Board of Trade are organizing the Minnedosa Power Co., for the purpose of developing a water power near this town. Colonel Ruttan, of Winnipeg, has made a favorable report on the site.

FREDERICTON, N. B.—C. H. La-Billoy, Commissioner of Public Works, desires tenders by Monday, 19th inst., for building Young's bridge over the Maguadavic river in Charlotte county, also for building McElwain's bridge in York county.

SYDNEY, N. S.—The Sydney Abattoir Co. have secured options on sites for their new building. Arrangements for its construction are being made.—The City Council have accepted the proposals made by promoters of the railway construction plant, granting a bonus of \$50,000.

QUEBEC, QUE.—Mr. Legare, fruit merchant, will have a two story warehouse erected north east of the Champlain market.—The Canadian Northern Quebec Railway is asking for an extension of time for its branch and the main



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Two thousand machines in the field tell the same story by their successful operation. Ask some reliable contractor near you what he knows of this machine. He probably owns a Smith Mixer. If so we will be pleased to abide by his verdict, for **he knows**. Ask him whether the machine is durable, what he thinks of the design and workmanship. Find out whether this machine ever fails to mix concrete thoroughly; whether its proven capacity fulfills our guarantees; whether it is easily operated; a strong leader in the number sold, and a **money saver to the contractor**.

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line to Randow.—The Ross R. Co. will probably move their plant to some other point in Western Canada.

ST. THOMAS, ONT.—N. R. Darach, architect, is this week taking tenders for fencing, concrete walks, etc., on military grounds.—Negotiations are going on regarding the new canning factory proposed to be erected.—Moody & Clark propose erecting a pork packing establishment to cost \$7,000.

TORONTO JUNCTION, ONT.—The Bank of Hamilton have purchased the Kiburn block, corner Dundas and Van Horne streets, which they will have remodelled at cost of \$10,000.—Building permits have been issued as follows: S. C. Heston, two-story frame dwelling, Vernon avenue, \$1,400; C. H. Frost, one-story brick cottage, Clair avenue, \$1,200.

CALGARY, ALTA.—The City Council have selected a site for the new waterworks station.—Sir John Langman, the English coal mine owner who recently visited Calgary, has decided to build a four story block on Stephen avenue.—The City Council have decided to construct an asphalt pavement on Stephen avenue, to extend for twelve blocks.

LETHBRIDGE, ALTA.—It is understood that the News Printing Co. intend erecting a brick office building on Clubb street.—The congregation of St. Augustin's church are considering the erection of a new church to cost \$20,000.—The establishment of a government creamery here is being considered. M. Barford is interested.

VICTORIA, B. C.—Maxwell Muir, architect, has taken tenders for alterations to the Heathorne block on Langley street.—A by-law to raise \$50,000 for purchase of land for exhibition purposes and erection of buildings thereon will be submitted to the ratepayers this week.—Hutchison Bros., electricians and machinists, have formed a new company and propose erecting new buildings consisting of a machine shop 60 x 60 feet, and a boat shop 60 x 50 feet.

BRANTFORD, ONT.—Government Engineer Fairbairn, reporting on the proposed G. T. R. switch to Holmedale, says the front route will cost \$26,500 and the rear route \$53,000.—Representatives of John Crossley & Sons, Halifax, and A. F. Stoddard & Co., Elderslie, Scotland, have been inspecting sites here for a carpet factory.—It is reported that the C. N. R. will build a line to this city from Toronto.—W. Goodwin, Brunswick street, will erect a double brick house, cost \$1,700.

MOOSE JAW, SASK.—The Council have appointed a committee to examine the power plant at Winnipeg in connection with the proposed enlargement of the plant here.—F. M. Rattenbury, architect, of this city, is preparing plans for a new hotel to be built by the Grand Trunk Pacific Railway at Prince Rupert, the Western terminus of the road. The building will cost about \$50,000.—The ratepayers last week defeated the by-law to provide \$300,000 for waterworks purposes.—The C. P. R. will, at next session of Parliament, apply for authority

to build a new line from Weyburn westward 100 m. les.

SEAFORTH, ONT.—M. G. Cameron, M.P.P., representing the Matland River Power Co., last week had an interview with the Town Council in connection with their proposition to furnish Seaforth with electric power. This company propose to develop a water power on the Matland river near Goderich, at a probable cost of \$300,000. The town of Goderich have passed a by-law guaranteeing the bonds of the company to the amount of \$150,000.

OTTAWA, ONT.—It is reported that the Rideau Navigation Co. will build another new steamer.—F. Gelinas, Department of Public Works, will receive tenders up to November 26th for building addition to the Parliament Buildings.—Tenders will soon be called for erection of an entrance hall on front of Rideau Hall to cost \$100,000.—The building committee of the Y.M.C.A. have been instructed to have plans prepared for the new building.—The Property Committee of the City Council recommend an addition of two stories to the City Hall.

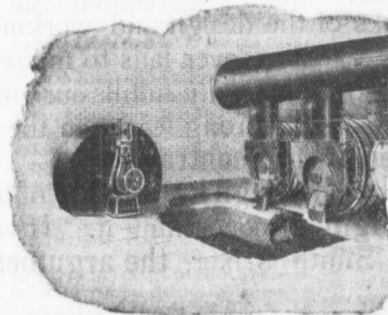
GODERICH, ONT.—By-laws were carried here on Saturday last to loan \$50,000 to the Goderich Wheel Rigs Co., and granting free electric power to the Jackson Clothing Co.—J. B. Kelly, engineer for the electric light plant, has submitted a report to Council on the cost of increasing the plant to 4,000 lights capacity and installing new street lighting equipment. His figures are: One 4,000 light generator with switchboard, 45 arc lights and regulator \$6,500; generator foundation and belt, \$400; shafts, pulleys, etc., \$1,000; new boiler and brick work, \$1,500; new foundation for large engine, \$1,000; air pump, condenser, etc., \$1,800, a total of \$12,200.

MONTREAL, QUE.—Dr. E. Dubeau will erect a three story stone and brick apartment house on Sherbrooke street, cost \$30,000.—The Pratt and Letchworth Malleable Iron Co. propose moving their Brantford plant to this city.—Application has been made to the International Waterways Commission for endorsement of a scheme to build a canal from Lake Champlain to this city.—The C. P. R. have secured a permit to construct a two story building, 176 by 87 feet, on Osborne street, cost \$38,000.—The Canadian Brewing Co. will make alternations to

their brewery on St. Dominique street, cost \$10,000.—Negotiations are said to be under way for the building of a new million dollar hotel here.—At a meeting of the Protestant School Committee last week, a committee was appointed to report on further school accommodation, particularly in the suburbs.—A proposal is now being considered to use the St. Lawrence Market site for a new Technical School and Civic library building.

WINNIPEG, MAN.—It is understood that plans have been prepared for a branch factory for Gaar, Scott & Co., Richmond, Ind., who propose locating here.—B. Gardner & Co., wholesale clothiers, intend erecting a two story brick factory.—Woods Limited, of Ottawa, will locate here and expect to build a warehouse.—The Civic Water Supply Commission will have engineers report on the scheme to bring water to the city from Shoal lake.—It is expected that the Winnipeg Electric Railway will make extension along Taylor and Monto streets.—The Central Canada Loan & Savings Co. propose erecting a block next spring on the corner of Main and Notre Dame east.—The Inter-Ocean Real Estate Co. have sold to Eastern capitalists a 66 foot lot on Lombard street, and the purchasers intend erecting a 15 story office building thereon.—It is understood that the Fire, Water & Light Committee will call for tenders this winter for water pipe and specials to the value of \$150,000.—F. C. Bell has purchased the Moore Printing Company's building, corner of Princess street and Cumberland avenue, and proposes adding two stories in the spring.—C. A. Miliken, who has just made a series of surveys of the possible outlets of Shoal Lake, reports that a gravity system from that lake to provide a water supply for Winnipeg would be perfectly feasible.

VANCOUVER, B. C.—The B. C. General Contract Co. will erect a warehouse, corner Columbia and Front streets, cost \$3,500.—It is understood that tenders will be called early in January for construction of 40 miles of the V. W. and Y. Railway, northward from this city.—Building permits have been issued as follows: C. Church, frame dwelling, Sixth avenue, \$2,000; J. Caldwell, two frame dwellings, First avenue, \$4,000; A. McNutt, frame dwelling, Princess street, \$1,000; John F. Ross,



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dwelling, Graveley street, \$1,000; B. F. Crysedale, dwelling, Homer street, \$1,300; F. Allan, dwelling, Ninth avenue, \$1,000; Capt. Pybus, dwelling, George street, \$1,000; Mark Gormley, dwelling, Richards street, \$2,000; R. S. Sherman, dwelling, Sixth avenue, \$1,500; W. G. Elliott, dwelling, Columbia street, \$1,300; W. Gormley, dwelling, Seymour street, \$2,000; Barber & Co. purpose erecting a three story factory, 50 by 100 feet, on Dufferin street, cost \$4,000.—The Board of School Trustees have decided to build a 4-room addition to Fairview school, a 12-room addition to Lord Roberts school and an 8-room addition to Seymour school.—The Hastings Shingle Manufacturing Co. intends building a new mill.

TORONTO, ONT. — Tenders are

wanted from all trades for addition to Parliament Street Methodist Sunday School. Plans at 236 Carlton street.—The Sovereign Bank and the Manufacturers' Life Insurance Company have jointly purchased the property at the south-east corner of King and Bay streets, including about 39 feet on King street, 170 feet on Bay street and 83 feet on Melinda street. The purchasers intend erecting a first-class office building on the site.—The Board of Control desire tenders by Wednesday, 21st inst., for masonry, carpentry, painting and glazing and slitting and galvanized iron work for erection of store house at rear of Rose avenue fire hall.—J. P. Hynes, architect, is receiving tenders for erection of a three story hotel, brick and steel

construction, corner Queen and Carroll streets, for S. D. Ramey.—A. J. Rattray, architect, is calling for tenders this week for erection of a three story factory, 100 by 35 feet, corner Camden and Spadina ave., for Merchants' Counter Check-book Co.—The Board of Control will receive tenders up to November 27th for annual

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TORONTO, CANADA.
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"BULL DOG" SHOVELS

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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HAMILTON, CANADA

WRITE FOR CATALOGUE



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Solid Shank

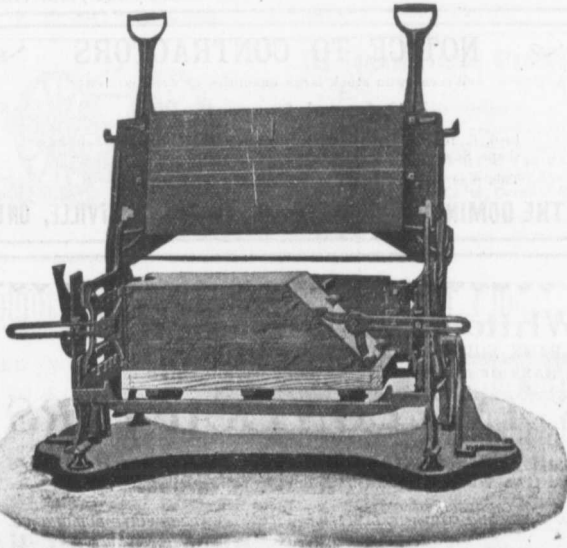
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Makes 40 Different Sizes of Stone in Any Design, as well as the Specials, viz.:

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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 month's operation.

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Niagara Falls, Can.

supplies of lumber, hydrants, valves, iron and steel, sewer brick, cement, castings, lead pipe, sewer pipe, etc.—Tenders will be received at the same office up to November 20th for construction of bitulithic pavement on Clarendon, Blong and Balmoral avenues, Collier, Dupont and Mutual streets, also for other work.—The Dominion Radiator Co. have purchased a site on Dufferin street on which they intend establishing a factory to cost \$200,000.—The G. T. R. and C. P. R. have approved of the plans for the Yonge street bridge.—York Township Council have been asked for a grant of \$17,000 for a new school for section No. 20.—The City Architect has completed plans for the new central fire hall on Adelaide street west.—Tenders are being called for additions to Rose avenue fire hall.—S. F. McKinnon has sold a site on Wellington street west to a Montreal Company, for a large warehouse.—The plans for the new branch libraries will not be prepared until the Yorkville branch has been completed.—The City Engineer has prepared the details of the trunk sewer by-law for \$2,000, to be submitted to the ratepayers January 1st.—The Board of Education and University Governors are considering proposals to build a Technical High School, Model School for Public School teachers, and a Model School for High School teachers.—The City Council gives notice of its intention to construct asphalt pavement on Simpson ave., cost \$2,578; macadam pavement on Dupont

street, cost \$3,343; vitrified block pavement on Catherine street, cost \$4,204.—The G. T. R. shops are to be removed from the Esplanade to New Toronto.—Architects have been instructed to prepare plans and call for tenders for the enlargement of the church of St. Mary Magdalene, at a probable cost of \$25,000.—Tenders will be received by the Board of Control up to Tuesday, November 27th, for all trades required in the erection of a central firehall on Adelaide street west. Plans at the office of the City Architect.—Messrs. Edmanson, Bates and Co. purpose erecting an office and factory building, corner Adelaide and Duncan streets.—The Shelwin-Cooper Co. are seeking a site for their gasoline engine and launch works.

CONTRACTS AWARDED.

ROSTHERN, SASK.—Erection of fire hall: James Kelly, contractor.
 ARNPRIOR, ONT.—New woodenware factory: S. R. Rudd, contractor, \$2,397.
 PRESTON, ONT.—Construction of foundation of water tower: E. Wirseking, contractor, at \$945.
 CHESLEY, ONT.—Erection of new

iron bedstead factory: Mr. Stevia, Hanover, contractor.
 NELSON, B. C.—New court house: W. G. Gillett, successful tenderer, \$74,900.
 OWEN SOUND, ONT.—Revetment wall on west side of harbor Green, McKinnon & Co., successful tenderers.
 ALMONTE, ONT.—Erection of furniture warehouse on Hill Street for W. E. Scott: W. Clement, contractor.
 DANVILLE, QUE.—Erection of convent for Congregation of Notre Dame: D. Parso, contractor, cost \$24,500.
 VANCOUVER, B. C.—Construction of fire scows for Macdonald, Marpole & Co.: Wallace Shipyards, False Creek, contractors.
 BRACEBRIDGE, ONT.—Construction of Bracebridge & Trade Lake railway from the town to Lake of Bays: Geo. A. Begy, St. Catharines, contractor.
 MONTREAL, Que.—Construction of Quebec, Montreal and Southern railway, from Princeville to St. Philomene, 48 1/2 miles: O'Brien & Mullarkey, contractors.
 TORONTO, ONT.—Excavation and substructure of Lansdowne Ave. Subway: Godson Contracting Co., successful tenderers, cost \$18,309.—New boat for R. & O. Navigation Co.: Canadian Ship-build



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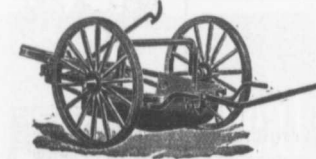
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QUEBEC AND MONTREAL

ing Co., successful tenderers, cost \$250,000.

WINNIPEG, MAN.—Supply of 10,000 bags of cement for St. Andrew's rapids; Owen Sound Portland Cement Co., successful tenderers, at about \$2.75 per barrel.

SASKATOON, SASK.—John Gunn & Sons, of Winnipeg, have been awarded the contract for the substructure of the Grand Trunk Pacific bridge over the Saskatchewan river at this place.

BELLEVILLE, ONT.—Rodgers & Quirk, of Montreal, have been given a contract to grade a line of railway from the Grand Trunk line to Point Ann, a distance of six miles.

LETHBRIDGE, ALTA.—New woolen mill building; Rex Virtue, contractor, about \$25,000.—It is reported that the contract for the steel work on the C. P. R. bridge here has been awarded to the Dominion Bridge Co. for \$780,000.

FIRES.

Hardware store of L. C. Gignere, Valiere's furniture store and other buildings, St. Rock, Que., loss \$40,000.—John Logan's brick yards, Greenwood ave., Toronto, loss \$6,000.—Roman Catholic church and other buildings at Grand Falls, N. B., loss \$60,000.—Ungar's laundry, W. F. & J. W. Myers' shops, and other buildings, St. John, N. B., damage \$25,000.—Buildings of J. H. Gignae, wood dealer, St. Rocks, Que., damage \$12,000.—Stables of Windsor Hotel and H. Howie, Belleville, Ont., loss \$5,000.

The Colonial Portland Cement Company, of Wiarton, Ont., have placed an order with the Owen Sound Iron Works Company for three large slurry pumps, three feed pumps and two steel smoke stacks.

ASSOCIATE ENGINEERS.

The board of constructing engineers to be associated with Mr. C. B. Smith in the construction of the Winnipeg power plant at Point du Bois Falls has been selected. It will be composed of Prof. Louis Herdt of McGill University, Montreal, as electrical engineer, H. N. Ruttan, City Engineer, Winnipeg, as hydraulic engineer, and Wm. Kennedy, jun., of Montreal, as mechanical engineer.

BUILDING IN OCTOBER.

In Vancouver the value of buildings for which permits were granted during October was \$292,845. For the corresponding month of last year the amount was \$214,255.

The Regina building permits issued for ten months were 395, valued at \$1,600,000.

The building in Edmonton, Alta., for the month of October totalled \$307,928.

In Brantford, Ont., the value of building permits for October was \$58,585.

Building permits at Stratford, Ont., numbered 330, to the end of October, and were valued at \$386,445.

Joseph Giroux, contractor, Montreal, has made an assignment.

NOTES.

Small gas pipes laid in cinders in the Norwegian Hospital, Fourth Ave. and 46th St., Brooklyn, N. Y., were found a short time ago to be almost entirely destroyed. These pipes were $\frac{3}{8}$ and $\frac{1}{2}$ -in. gas pipe laid about 1 1/2 ins. deep in the cinder fill about the girders. The pipes had to all appearances been destroyed by electrolysis, but tests failed to show any stray electric currents. Moreover, as all pipes except those laid in the cinder were intact, the destruction was doubtless due to the composition of the ashes, possibly to sulphuric acid contained in them.

Why have watering-carts in the streets? A German town is about to make an experiment in the direction of running perforated pipes along the streets by the side of the kerbstones. Whenever there is need for it the water will be turned on for a few minutes and a beautiful spray will be thrown from each side of the street into the roadway. It is estimated that the saving in horseflesh and watering-carts will soon repay the capital outlay, while the advantages of a sudden flush of the streets is that an evenness of moisture can be secured which is not accomplished by the peripatetic cart. In very dry weather, of course, this will be an effective way of flushing drains.



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MEGAXA DAM (shipping instructions so far 60,000 bbls.) approximate amount	175,000 bbls.	GOVMT. ORDER SOUTH AMERICA
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THE NEW CROTON DAM

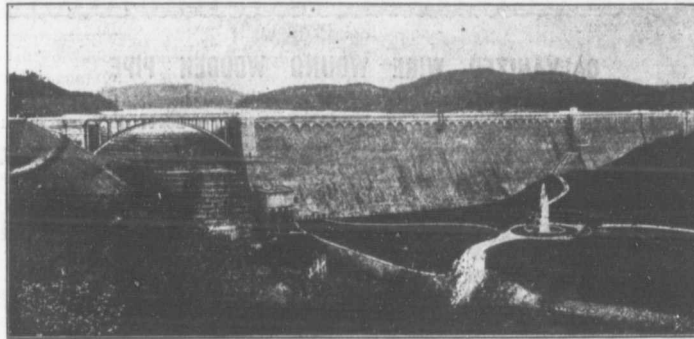
The newest and greatest of the dams upon the Croton River, which is to impound 30,000,000,000 gallons of water for the consumption of the city of New York, is pronounced finished at last, after thirteen years occupied in its construction. The gates in the dam were closed some sixteen months ago, and since then, says Public Works, no water has flowed in the bed of the Croton below the new dam. It is doubtful, indeed, if any water will flow there henceforth, since the demands of the great city are much in excess of the average inflow of the Croton basin, and only in the rapid thawing of the snow in the early spring and the resultant freshet is there any great preponderance of supply over demand. In one such spring freshet day of 1905, however, there was an estimated inflow of 1,500,000,000 gallons and in three days the height of water in the reservoir rose to 14.48 ft. But the water in this new reservoir is the overflow from the spillways of about a dozen reservoirs higher up the Croton River and its tributaries, whose aggregate capacity is nearly 44,000,000,000 gallons. Two other dams and a divert-

sumed in building the new Croton dam, though the capacity of the Wachusett reservoir is more than double that of the new Croton. The appended table gives the comparative figures:—

	Wachusett.	Croton.
Total length, dam and spillway (ft.)	1,496	2,168
Height, foundation to crest	228.2	297
Width at base of foundation	180	216
Width at crest	25.75	18
Depth of foundation	93	140
Height, ground level to crest	107	157
Length of main dam	971	1,168
Length of spillway	452	1,000
Earth excavated in building (cub. yds.)	258,600	1,750,000
Rock	99,350	425,000
Masonry in dam	273,000
Storage capacity (million gallons)	63,000	30,000
Time of building	5 years	13 years
Cost	\$2,173,159	\$7,631,189

LEGAL.

Judgement has been delivered in favor of plaintiff in the case of King vs. Town of Palmerston, awarding \$5,000 damages for the death of T. G. Burns, of Palmerston, who died from the



THE NEW CROTON DAM.
Its storage capacity is 30,000,000,000 gallons, and it has cost \$7,631,189 to construct.

ing basin are under construction in the Croton watershed, which will add about 24,000,000,000 gallons to the storage capacity and will bring the total supply to about 102,000,000,000 gallons. This must suffice until the new water-source in the Catskill Mountains can be made available, which cannot be too soon accomplished, for the consumption of water by the city has reached the appalling daily average of 320,000,000 gallons. As the population of New York is growing with great rapidity, this consumption is sure to increase in like ratio, while the new works on the Croton have exhausted the capacity of that watershed.

The new Croton dam is a handsome work of solid heavy masonry, and has cost \$7,631,189. Its completion makes possible some interesting comparisons with the great Wachusett dam which impounds a potential total of 63,000,000,000 gallons of the water of the Nashua River for the use of the metropolitan water district of Boston, Massachusetts. This latter work has been described quite fully in Public Works, both during its construction and soon after its completion last December. It will be seen that owing to the especially favorable location of the Wachusett dam its cost was much less, and the time expended in its construction was less than one-half that con-

shock of an electric wire, alleged to be due to a defect in the lighting system. Wm. King, the administrator of the estate, asked for \$10,000.

The Halifax Electric Tramway Company have won a notable case in the Supreme Court before a jury. Dr. Mader, of that city, two years ago obtained a verdict awarding him about \$7,000 for damages alleged to have been sustained while driving over snow thrown up from the company's tracks. After appeals had gone through the Supreme Courts of Nova Scotia and of Canada, a new trial was ordered, with the result now that the jury awards Dr. Mader no damages, but finds him negligent in his driving.

Judge Anglin, in deciding the cases of the Keewatin Power Company, brought against the Town of Kenora, declares that the power in all navigable rivers belongs to the Crown. The action was brought to restrain the Town of Kenora from prosecuting expropriation proceedings in a branch of the East Winnipeg river. The eastern bank is owned by the Hudson Bay Company, the western bank by the Keewatin Power Company. The town of Kenora leased the bed of the river and proceeded to construct a dam for power purposes, and to expropriate land on either side for this purpose. The owners of the two banks claimed that their title was to midstream. Justice Anglin says: "By nothing short of an express grant should the Crown be held to have parted with its title to the alveus of our navigable rivers." The Crown grant gives title only to the water's edge. A natural obstruction in the course of an otherwise navigable river does not deprive the river of its navigable character. The case will probably go on to the privy council.

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THE ELECTRIC PLANT AT DAUPHIN, MANITOBA.

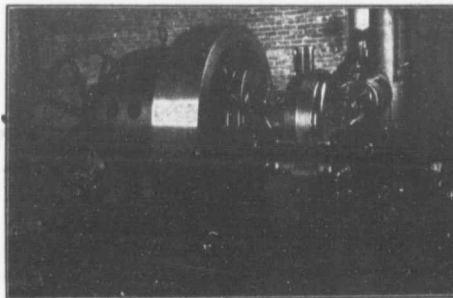
Electrical work at Dauphin, Man., is in a very flourishing condition. This plant, which is owned by the town, was started on the 27th of January last. The power house is a one story and basement brick structure 45 x 70 feet over all, covered with iron roof. It is divided into two parts by a solid brick fire wall, one part being used for the boiler room and the other for dynamo room, with a small store room built in one corner. The boiler room is 40 x 45 feet, and contains two Robb-Armstrong boilers each of 100 horsepower.



ELECTRIC POWER STATION, DAUPHIN, MAN.

The dynamo room contains a 100 horsepower Robb-Armstrong high speed engine, direct connected to a 65-kw revolving field 2100-volt, alternating current Westinghouse generator.

The switchboard has oil switches and all the latest appliances. There is also a series alternating arc circuit panel and regulator for the arc street lamps, of which the town has already got fifteen in use, all of Westinghouse make. The town has about four miles of pole line already up, and supplies current for about 2200 lights at the time of writing, the meter system being used. The demand for more electric lights is rapidly



INTERIOR OF DAUPHIN ELECTRIC POWER STATION.

increasing, not only for the many new buildings which are going up, but for many of the present buildings which have not been wired. The entire plant and wiring installation is in charge of Mr. Alf. C. Parkin, who was formerly in charge of the Gravenhurst, Ont., plant. Mr. W. A. Brinkman is the engineer at the plant. The town is now doing all the wiring and installation of lights, but at first most of the wiring throughout the town was done by Mr. R. S. Gordon, of the Jones & Moore Electric Company. An extra use to which the boilers at the plant are put is the supplying of heat

for the municipal buildings and fire hall, the feed and return pipes extending under ground a distance of about 500 feet from the boilers to the hall.

THE DISPOSAL OF REFUSE.

Garbage and refuse trains, hauled by electric locomotives, will be used at Dublin, Ireland, in connection with a new refuse collection and disposal system. The system was described by Mr. W. F. Goodrich, of London, in a paper on "Refuse Disposal in 1906," read before the Cork Congress of the Royal Institute of Public Health as follows:

During the daytime, instead of carting all the refuse to the destructor in Stanley street, sufficient only will be carted direct there from the destructor to keep the plant in full work. The remainder of the refuse will be carted to the tramway depot at South Gloucester street and tipped into large tank tipping wagons; during the night these vehicles will be hauled by electric locomotives over the tramway track to the destructor works. Each locomotive will convey a train of tipping wagons containing from 75 to 80 [long] tons of refuse, so that in a single journey the whole of the refuse not carted during the day may be taken direct to the destructor works. While only one tramway depot will be used for refuse storage at first, it is intended later to equip other depots; these, with the first depot, will be used not only for storing refuse, but also for storing mud and street sweepings, which, like the refuse, will be stored in tank tipping wagons and taken by electric locomotives to the Fairview Sloblands—suitable land for reclamation, which will take 70,000 [long] tons of mud per annum for twenty years, the ultimate intention being to convert this tract of 57 acres, which faces the sea, into a public park. This is a scheme of which the Dublin authorities may be justly proud. In so far as the haulage of refuse over the tramway track by electric locomotives is concerned the scheme is unique and of the highest interest; so far as I am aware, Frankfort-on-the-main being the only other city in Europe where a similar method of refuse haulage has been adopted.

The new destructor plant will include two four-grate Meldrum destructors of the regenerative back-fed type, having a guaranteed capacity of 120 tons per 24 hours. These will supply steam to two Babcock & Wilcox boilers, each having 1,741 square feet of heating surface and working at a pressure of 200 lbs. per square inch. The refuse will be stored in two hoppers, each 7 x 22 ft. x 11½ ft. deep, placed at the back of the cells. An overhead railway, with eight travelling clinker cars, will be provided. A separate building will house a mortar mill and also "a tin crushing revolving screen," the latter for handling tin cans. The contractor guarantees an average temperature of 2,000° F. in the combustion chamber, and a steam production of 11,200 lbs. per hour at a working pressure of not less than 175,000 lbs. per square inch; also, a labor cost per ton of refuse destroyed, taking local wage rates into account, of 6½d. per long ton (11½ cents per short ton).

Ulric Bertrand & Co. is the name under which the business of Mrs. Ulric Bertrand, painter, Montreal, has been registered.

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Vining Bros. Mfg. Co. 5	Hood & Sons, Wm. 19	Allis-Chalmers-Bullock. 11
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Erie Evaporating Company, Limited, Dunnville, Ont., incorporated, capital \$40,000. Directors, W. J. Aikins, W. T. Henderson, and G. C. Grece.

Heathcock Mining Company, Limited, Dresden, Ont., incorporated, capital \$100,000. Directors, I. B. Webster, J. Turner, H. Bishop, and others.

Superior Dock, Coal & Metal Company, Limited, Sault Ste. Marie, Ont., incorporated, \$75,000. Directors, F. A. Lucas, J. N. Oldham and A. Spencer.

Munro Steel & Wire Works, Limited, Winnipeg, incorporated, capital \$150,000. Incorporators, James Munro, merchant; A. H. S. Murray, barrister, and others.

Golden Park Mining Company, Limited, Windsor, Ont., incorporated, capital \$100,000. Directors, A. Van Schuick and J. W. Keenan, Detroit; and J. W. Drake, Windsor.

Larder Lake Gold Mining Company, Limited, Haileybury, Ont., incorporated, capital \$500,000. Directors, A. T. Budd and J. F. Gillies, Haileybury; and J. M. Petrie, Toronto.

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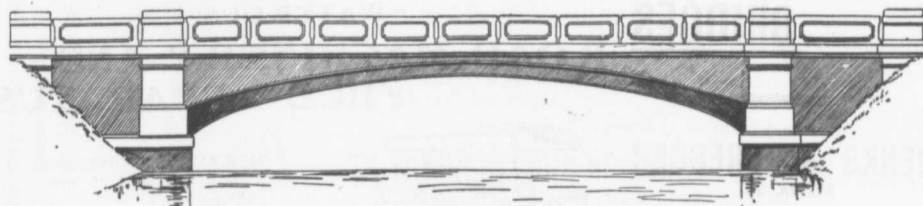
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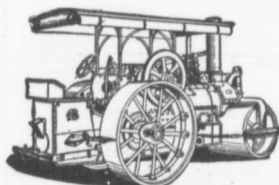
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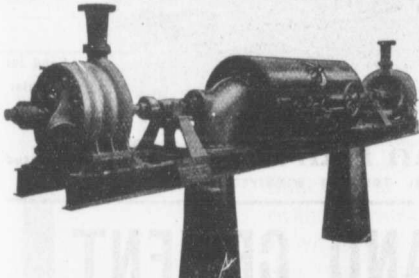
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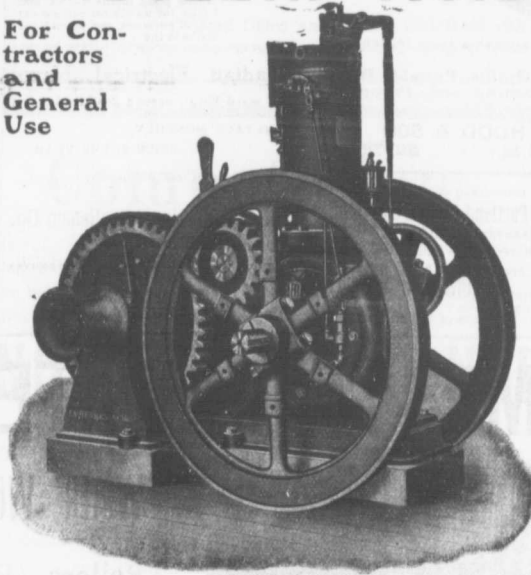
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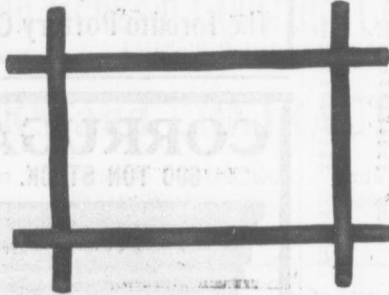
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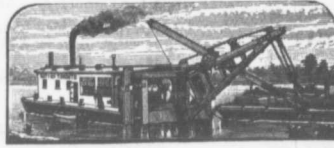
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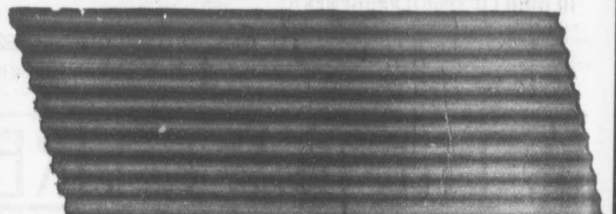
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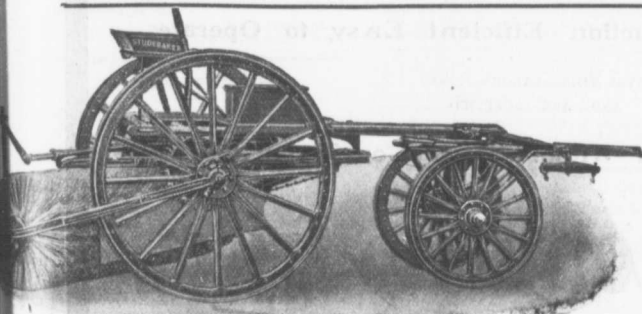
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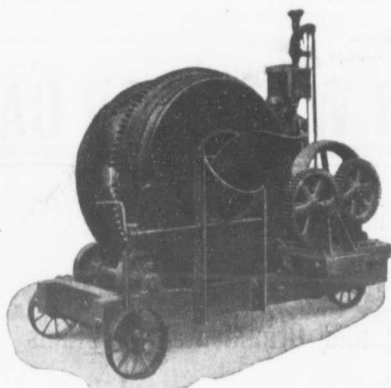
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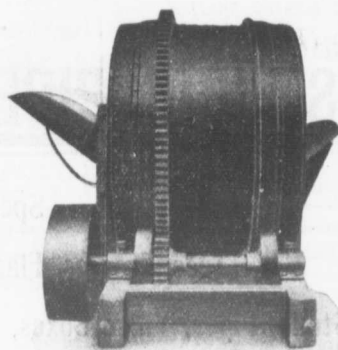
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