

CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF
PUBLIC WORKS • TENDERS • ADVANCE INFORMATION • AND MUNICIPAL PROGRESS

EVERY WEDNESDAY

This paper reaches every week the Town and City Clerks, Town and City Engineers, County Clerks and County Engineers. Purchasers of Municipal Debentures and leading Contractors in all lines throughout Canada.

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THE CANADIAN CONTRACT RECORD,

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TENDERS

Tenders will be received by the undersigned up to WEDNESDAY, JULY 22ND for the drilling of a 6" cased well. Tender to state price per foot for drilling up to 200' or say what the price for 50' sections or depths would be up to 200' or what the price would be to give a guaranteed supply of water of 30,000 gallons in 24 hours, also the price of a pumping plant to be run by a windmill or a gasoline engine to fill a 30,000 gallon tank on a 65' tower, in 24 hours; at a point 100' from the House of Refuge building, now being erected at the village of Markdale, in the County of Grey, as shown on a plan made by R. McDowall, C.E. Whole or separate tenders will be received for the above work, and must be accompanied by full specifications and plans.

CHAS. GORDON,
Chairman House of Refuge Com.
202 Mulholland street, Owen Sound.

TENDERS WANTED

Sealed tenders will be received by the undersigned up to noon of SATURDAY, JULY 11TH, 1903, for the erection of

3 STEEL BRIDGES

two of 30 feet span and one of 20 feet, and abutments of stone or concrete for the same, to be erected in the Township of East Zorra, contractors to furnish plans and specifications for either abutments or superstructures, stating price per cubic yard for abutments and lump sum for superstructures.

Offers will be received separately or together and for one or more of the bridges.
Work all within two miles of rail way stations and field stone and gravel convenient.

Tenders will be opened at Woodstock at 2 p.m. on above date.

Also tenders wanted for construction of two open drains containing some 14000 cubic yards of excavation, plans and specifications of which can be seen at the office of F. J. Ure, C. E., Woodstock.

Lowest or any other offer not necessarily accepted. Mark envelope "Tender" and address

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

TENDERS

Will be received by the undersigned until the 15th JULY, 1903, for the purchase of five debentures of \$1,000 each, issued by the Municipality of the Township of Egan, Wright County, Quebec, payable interest at 5 per cent. and one-sixtieth principal half yearly for thirty years. First payment 1st January, 1904. The highest or any tender not necessarily accepted.

JAMES MARTIN, Sec.-Treas. Egan,
Maniwaki, P. Q.

TO BRIDGE BUILDERS.

Proposals will be received up to JULY 25TH, for the erection of superstructure for steel highway bridge over Belle River one mile from Woodlee, 45 ft. span (clear), 16 ft. roadway, steel stringers. The necessary timber will be furnished on ground. Proposals to be accompanied by sketch and strain sheet.

A. COLE,
Wm. PRICE, } Commissioners.

Old Castle, June 29th.

Debentures for Sale

Tenders will be received by the undersigned up to JULY 13TH, 1903, for the purchase of \$10,300 Debentures of the Town of Waterloo, bearing four per cent. interest, payable in ten annual instalments. The highest or any tender not necessarily accepted.

A. B. McBEIDE,
Clerk.

TENDERS

FOR

STEEL BRIDGE

Sealed tenders addressed to the Clerk of the Township of Arran, will be received up to 6 p.m. of FRIDAY, JULY 17TH, 1903, and opened at 3 o'clock p.m. Saturday, July 18th, 1903, for the superstructure of a steel bridge over the Sauble River, Concession X & XI in the Township of Arran. The span of bridge will be 90' from centre to centre, clear width of roadway 16'. Also tenders will be received up to 6 p.m. of FRIDAY, JULY 10TH, for the erection of two Cement-Concrete abutments to be built at the same place.

An accepted bank cheque payable to the Treasurer of the Township of Arran for 5% of the contract price must accompany each tender. The same to be forfeited if the party decline the contract or fail in the performance thereof and will be returned in case of non-acceptance of tender.

Plans and specifications may be seen at the office of the clerk or at the office of the Engineer in charge.

The lowest or any tender not necessarily accepted.

R. McDOWALL, C. E. J. M. MONKMAN, ESQ.
Engineer in charge Clerk of Arran
Owen Sound. Box 18, Arkright.

An interesting example of masonry bridge construction is to be found in the Max Joseph Bridge, now approaching completion in Munich. This structure is essentially a three-hinged arch crossing the river in a single span of 210 feet, rising 19 feet 6 inches from the springing to the crown, which is 3 feet 9 inches in thickness. The roadway and footpaths have a combined width of 59 feet. The masonry is of limestone, with the exception of the granite bearing-stones for the steel hinges.

CONTRACTS OPEN.

ARNPRIOR, ONT.—Addition to the town hall tower is to be made.

MARKDALE, ONT.—R. L. Stevens is to build a brick residence.

ST. HENRI, QUE.—The Mitchell Co. are to build a factory at this point.

CARP, ONT.—Negotiations are being made for the purchase of a fire engine.

BRANTFORD, ONT.—The Massey Harris Co. will extend their factory here.

ST. JOHNS, QUE.—A new toll bridge will be erected between St. John's and Iberville.

ALLISTON, ONT.—\$7,000 has been voted towards the proposed Alliston Shoe factory.

NEWBLISS, ONT.—Tenders close July 10th for the building of a new English church.

ATLIN, B. C.—The British Columbia Power & Mfg. Co., Limited, will establish electric light plant.

WHITBY, ONT.—The Grand Trunk Railway have commenced the excavation for a fine new station here.

WINDSOR, QUE.—The township is about to borrow \$10,000 to improve its roads and build new ones.

ST. HYACINTHE, QUE.—Tenders closed yesterday, July 7th, for construction of an Inland Revenue building.

NIAGARA FALLS, ONT.—It is reported that the Jencks Machine Co., of Sherbrooke, Que., will erect large shops here.

BERLIN, ONT.—Three thousand dollars has been voted for permanent improvements and to open up a new street.

SHERBROOKE, QUE.—An estimate is being made of the cost of bringing power from the Westbury basin to this place.

WOODSTOCK, N. B. — A by-law granting a bonus of \$45,000 to establish a pork packing factory was carried on July 3rd.

PORT ARTHUR, ONT.—A by-law to raise funds to extend the electric street railway to Current River will be voted on July 28th.

GEORGETOWN, ONT.—Dr. F. Watson will erect a stone dwelling and office for himself and a drug store for George Ramsay.

LEVIS, QUE.—Tenders are now being called for building baggage and express rooms in connection with the Intercolonial station.

SAULT STE. MARIE, ONT.—H. E. McLeod will put up a new store building.—C. F. Farwell also proposes to erect a large building.

ST. JOHN, N. B.—Raymond & Doherty, of the Royal Hotel, are consider-

ing the building of an hotel and baths at the Mineral Spring, near Upham.

OTTAWA EAST, ONT.—Tenders for the sewerage system, to be constructed from plans by Robert Surtees, of Ottawa, will likely be invited this week.

TORONTO JUNCTION, ONT.—The Gasoline Engine Co. want the site of the old electric plant for the purpose of extending its works.—The Wilkinson Plow Co. will enlarge its premises.

PEMBROKE, ONT.—Tenders for the construction of stone abutments for a steel bridge over the Indian river close at the county clerk's office on the 13th of July.

PORT HOPE, ONT.—The Nicholson File Company will spend \$5,000 in improvements. A new concrete dam will be built.—The Canada Radiator Co. want to extend their factory premises.

STRATFORD, ONT.—Kalbfleisch Bros. have let the contract for the erection of a new bicycle and automobile factory. The building will be of red pressed brick, three-stories high, 48x60 feet.

VANCOUVER, B. C.—The plans accepted for new high school show a stone, granite and blue stone building, 225 x 125 feet, and containing a clock with tower. The architects are Blackmore, Son & Guenther.

QUEBEC, QUE.—Onellet & Levesque, architects, are preparing plans for a new laundry for the General Hospital of Quebec and for alterations and inside decoration of the Church of St. Alexis (Metapédic).

VICTORIA, B. C.—A granite retaining wall and steps are to be erected at the Government House.—Nearly 1,200 desks are to be supplied to the Lands and Works Department, delivered at Victoria and Vancouver for school purposes.

HAMILTON, ONT.—Building permits have been granted as follows: F. Reiss, brick dwelling on York street, between Davenport and Dundurn, cost \$1,200.—It is said that the Ontario Government will add to the asylum building.

NASSAGAWAYA, ONT.—Tenders will be received up to July 11th for the erection of a new brick veneered manse, in connection with the Presbyterian church.—D. H. Wilson asks for tenders for painting school house up to July 12th.

WATERLOO, ONT.—A by-law to raise \$6,000 for bridge building purposes was carried last week, the one to assist the Berlin Brush Co. to build a new factory, being defeated.—A second by-law to issue debentures for \$6,000 to be used for bridge building purposes was carried.

ANDOVER, N. B.—Tenders for the installation of an electric light plant for the villages of Andover and Perth are open until the 25th of July. The tenders include the development of the water power, building and completing the power house, supplying and setting the wheel, supplying and setting the poles with cross-arms, supplying and installing the electrical plant.

SHEDIAC, N. B.—Tenders for furnishing material and doing all the necessary work connected with laying complete system of water mains, including valves, valve boxes and fire hydrants, close July 15th.—W. A. Russell, town clerk, desires tenders by July 15th for construction of a system of water mains, from plans by John Galt, C. E., of Toronto.

HALIFAX, N. S.—Capt. Farquhar is at the head of a movement to construct a large marine railway at North Sydney.—Artists of Canada and the United States

will be asked to submit models for a suitable monument to the late Joseph Howe, to be erected by the Nova Scotia Legislature.

FREDERICTON, N. B.—The Department of Public Works calls for tenders for building the steel superstructures of Charlo River bridge and Waid's Creek bridge. To be closed on the 13th July. The Department also asks for tenders for building a steel bridge at Buctouche. To be closed on the 10th of August.

LONDON, ONT.—Herbert Matthews, architect, has taken tenders on an addition to the West London school and a new residence for Dr. H. H. Kingsmill.—William Murray, architect, has taken tenders on a warehouse for the Echo Printing Co.—Moore & Henry, architects, have plans in hand for a residence for Harry Line, of Line, McDonald & Co., cigar manufacturers, and for the academy of the Sacred Heart.

WINNIPEG, MAN.—The city council will at an early date take up the question of raising \$60,000 for an addition to the general hospital.—The construction of the following works has been recommended: Asphalt pavement, on Water street, cost \$16,720; Balmoral street, from Qu'Appelle avenue to Portage avenue, cost \$10,208; Smith street, from Portage avenue to Notre Dame avenue, cost \$9,289; St. John's avenue, cost \$3,616; Cumberland avenue, from Donald to Hargrave street, cost \$2,961; Alexander avenue, cost \$10,167; Lily street, cost \$7,635; sewers, Rosser avenue, cost \$1,751; St. Mary's avenue, cost \$400; also a number of granolithic sidewalks.

OTTAWA, ONT.—The city engineer estimates the cost of an auxiliary steam waterworks pumping plant at \$85,000, including \$44,000 for two pumping engines, \$16,000 for boilers, \$8,550 for building and \$2,510 for stack for boiler house.—A number of macadam pavements will be constructed this summer.—C. H. Bishop, superintendent of School Buildings, Toronto, has been asked to report upon the plans submitted for the new Bolton street school.—The Meteorological Department now at Toronto will be transferred here as soon as the observatory is completed.—Fred Gelinax, secretary, Department of Public Works, will receive tenders up to July 31st for construction of a steel superstructure over the north branch of the Ottawa river at Portage du Fort.—The Government is figuring on the installation of a complete electric light system of their own for the Houses of Parliament.—The following building permits have been granted: J. C. Chamberlain, brick veneered dwelling, Somerset street, cost \$3,500; Mrs. McElroy, brick veneered dwelling, Lisgar street, cost \$3,000; J. S. Eagleson, solid brick addition to dwelling on Cooper street, cost \$1,500; H. N. Bate, shop fronts and staircases to shops on Bank street, cost \$1,000.—\$250,000 in debentures redeemable before July 1910, are to be spent by the Ottawa Improvement Commission on contemplated improvements and the National Park.

MONTREAL, QUE.—L. O. David, city clerk, wants tenders by 10th inst. for building a public bath in St. Louis ward. Plans by Saxe & Archibald, Imperial Building.—The city clerk wants tenders also for a site for a fire station.—The necessity of a new morgue is again being urged.—The Road Committee will expend for the present year upon public works close upon \$1,000,000.—\$27,000 has been set aside for permanent walks.—The Canada Radiator Co., of Port Hope, are negotiating for some land in this city. There is talk of their factory being moved here.—The following building permits have been granted: Alfred Binette, three-storey building, 1149 Ont-

ario street, cost \$4,500; City and District Savings Bank, three-storey building, 15 McGill College avenue, cost \$12,000 (A. Razo, architect); A. Godin, two and one-half-storey building, Esplanade street, cost \$6,000 (J. Sawyer, architect); H. Fourge, contractor; W. F. Carsley, four-storey building, McGregor street, cost \$21,000; O. Champagne, three-storey building, Notre Dame street, cost \$4,000; Wire & Cable Co., three-storey building, Guy street, cost \$30,000 (W. J. Carmichael, architect); J. Carsley, one-storey building, Drolet street, cost \$1,200; Marchand Marjorique, two-storey building, cost \$1,100 (Joseph Godin, architect); Estate Dr. K. T. Godfrey, two-storey dwelling, 8 Bleury street, cost \$1,685; R. G. Reed, repairs to dwelling, Drummond street, cost \$12,000; Estate de Beaugen, two and one-half-storey, cost \$2,600.

TORONTO, ONT.—The city engineer estimates the cost of widening and extending Preston avenue to Bloor street at \$2,500. He recommends the following new pavements: Booth avenue, brick pavement, from Queen to Jamaica street; Hamilton street, asphalt, from Paul to Gerrard; Avenue road, macadam, from Davenport Road to north city limits.—Government House is to be renovated at a cost of about \$8,000.—Notice has been given of the intention of the council to construct a macadam roadway on Cottingham street, from Yonge street to a point 1,350 feet west, at a cost of \$4,937, and a cedar block pavement on Shirley street, from St. Clarens to Lansdowne avenue, at a cost of \$805.—Building permits have been granted as follows: Kent Mfg. Co., five-storey brick factory, corner Gerrard street and Don river, cost \$40,000; Harold Wilson Co., office building on Melinda street, near Jordan, cost \$1,800; J. M. Hanley, three-storey dwelling, Pears avenue, cost \$1,300; G. M. Petrie, drug store, 57 Avenue road, cost \$1,200; Jesse Ashbury, alterations to three dwellings, Queen street, near Greenwood avenue, cost \$1,200; W. H. Lewis, brick dwelling, corner Queen street and Woodbine avenue, cost \$2,500; Robertson Bros., five-storey factory, 103-105 Queen street west, cost \$5,700; Dr. J. B. Fraser, house, on Queen street, near Broadway, cost \$6,000; F. B. Poucher, pair dwellings, Howland road, cost \$5,000.

CONTRACTS AWARDED.

HAMILTON, ONT.—The city council have decided to purchase a No. 3 Austin stone crusher, at \$1,285.

VALETTA, ONT.—Contract for the new Presbyterian church has been let to J. L. Scott & Co., of Chatham.

RICHIBUCTO, N. B.—The contract for excavating for new R. C. Church, has been awarded to William Lawler.

WINDSOR, ONT.—The James Smart Mfg. Co., of Brockville, have been awarded the contract for heating the Windsor public school.

TRURO, N. S.—The tender for the new agricultural building has been awarded to James Reid for \$22,851. Next lowest tender was only \$49 more.

VICTORIA, B. C.—Alterations and additions to residence of R. W. Stuart: W. Ridgeway Wilson, architect; Moore & Whittington, contractors.

SARNIA, ONT.—The James Smart Mfg. Co., Brockville, have been awarded the contract for heating the new Presbyterian Church, with the Kelsey Warm Air generator.

WALKERVILLE, ONT.—N. Conn will put down cedar block and concrete pavements on several streets. The Cadwell Silcox Stone Co. will also put down several walks.

MONTREAL, QUE.—The North

British Locomotive Co., of Glasgow, Scotland, secured the contract for 20 powerful compound locomotives for the C. P. R. after close competition.—The C. P. R. have purchased more dining cars from Barney & Smith, Dayton, Ohio.

ST. HYACINTHE, QUE.—Casevant, this city, has secured the contract for the repairing of organ of Knox church, Montreal, cost \$4,000.

LINDSAY, ONT.—Sewer on Genelg street: P. G. Pilkie, successful tenderer, \$2,575. Sewers on Russell and Wellington streets: G. H. Lindsay, \$830 and \$1,000 respectively.

VANCOUVER, B. C.—Erection of Lewis block: Theo. Horrobin, contractor.—C. P. R. branch line on south side of False Creek: McQuarrie & Co., contractors.—Tenders were opened for wooden block paving and also for laying cement sidewalks, but none definitely accepted.—The Kelsey Warm Air generator has been selected for heating the large new departmental store of Woodward Co., Limited.

FIRES.

The planing mill of Adolphe Provost, of Labelle, Que., was struck by lightning and burned to the ground; machinery and lumber a total loss; partially insured.—The Jundro boot and shoe factory at Rock Island, Que., and Telford & Chapman's store room, were totally destroyed by fire, the latter were heavy losers. They had goods to the value of over \$14,000 stored in the building; insurance \$4,500.—Murray Gregory's steam saw mill, north end, St. John, N. B., with 2,000,000 feet of lumber and a house and barn near the mill were destroyed by fire July 4th.—Mr. John J. Hunt's brick stable, at Hamilton, Ont., was damaged by fire. Mr. John Hunter's brick stable was also damaged by fire.—A fire in the main building of the

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The C. H. Mortimer Publishing Co., of Toronto, Limited
Confederation Life Bldg., Toronto.

Quebec Garrison Club, Quebec, entails a loss of over \$5,000, fully covered by insurance.—C. P. Holton's steam saw-mill at Belleville, Ont., was gutted by fire. Nearly all the machinery was destroyed, together with a quantity of cedar and lumber; loss \$7,000, insurance \$4,000.—Arnot & Sons big dairy barns at Winnipeg, Man., were totally destroyed by fire; loss \$4,000.—The large pavilion at the exhibition grounds, Simcoe, Ont., was struck by lightning and completely destroyed.—Elmsley Hall, owned by F. W. Nash, at Smith's Falls, Ont.; recently improved at a cost of \$10,000; was destroyed by fire. The place was insured for \$5,000. On the contents of the house there was an insurance of \$4,075. The value of the contents \$8,000. The building was one of the finest homes in Eastern Ontario, designed by architect G. T. Martin.

SCRAPERS

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The number of churches was increased by six, of which the handsome stone church of St. Stephen's is the largest and most costly.

Ten school and college buildings were added to the educational facilities of the city. St. Mary's Academy and Havergal college are two of the most costly structures erected under this head.

Of stores, warehouses, shops, factories

and buildings of these classes 88 were erected.

The total number of buildings erected was 697, and the total estimated cost \$2,379,000, or a gain in value over 1901 of \$788,723.

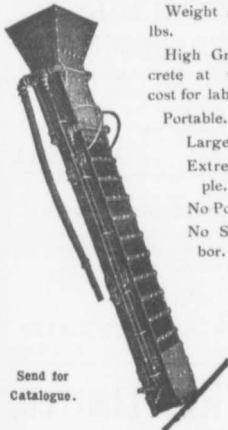
Duclos & Roth, contractors, of Montreal, have dissolved.

The Montreal Engine & Machine Works have been registered.

President Chas. Eidlitz, of The Building Trades Employees Association, announced at New York that the plan of arbitration offered by the Employers' Association, has been accepted by the Unions; one of the main points does away entirely with the walking delegate.

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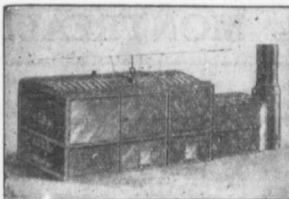
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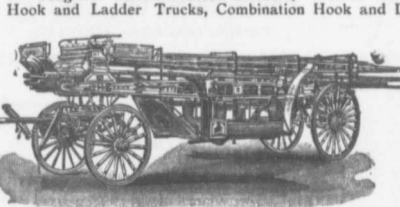
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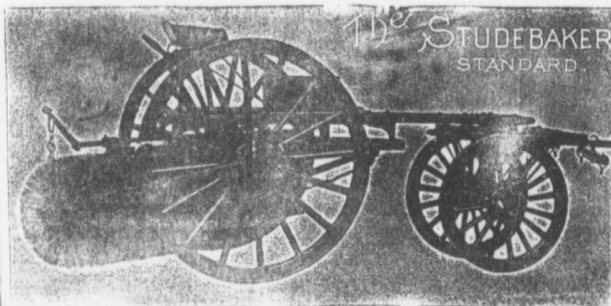
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BUSINESS NOTES.

The full court in Winnipeg has dissolved the injunction which was granted some days ago at the instance of suit brought by contractor Edward Cass against Couture Brothers & McCutcheon, brick manufacturers, restraining them from selling brick to person or persons other than the plaintiff. The enforcement of the injunction had the effect of tying up building operations there.

The new plant of the Belleville Portland Cement Co., to be erected at Poin' Ann, will consist of a kiln building 250 x 125 feet, power house 150x60 feet, and grinding mill for raw and clinker grinding 150x125 feet. There will also be erected a fuel building about 100x50 feet, a stone and clay storage building about 200 x 80 feet, a stock house 500x100 feet, to be located conveniently for shipping either by boat or railroad, and a clinker shed

225x50 feet, a clay shed in the clay field, a pump house, a machine shop, carpenter shop and cooper shop.

At Minneapolis last week Judge Ray granted an injunction against the Electrical Workers' Union. He holds it to be illegal for the strikers' to conspire to injure the contractors business, to interfere with such business by threats directed against customer, to notify customers that contractors are unfair, to go on the premises where contractors are employed, or to order union men to quit work.



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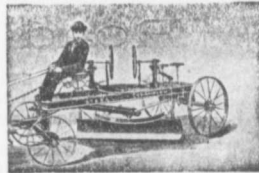
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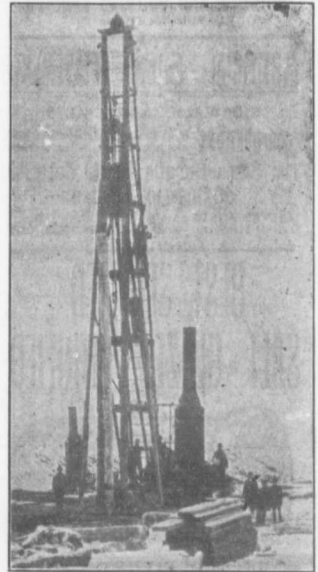
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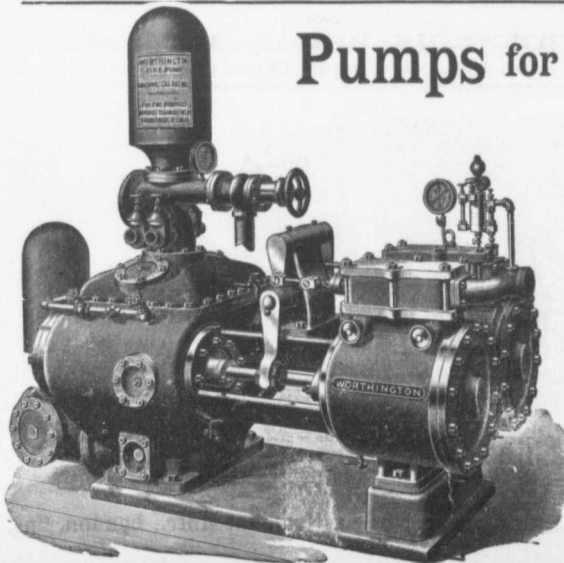
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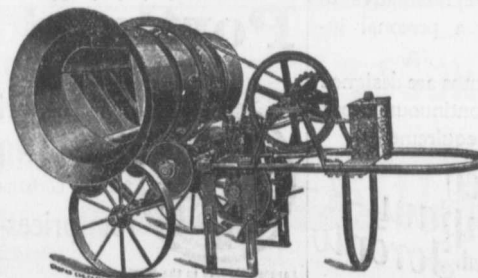
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A BRIDGE ENGINEERING FEAT.

An interesting engineering feat performed last fall was the substitution of a new for the old superstructure of the Northwest Miramichi bridge near Newcastle, N. B. The Miramichi is a broad tidal river, the two branches of which at this point are crossed by the Intercolonial railroad on single track bridges, originally built about 1870 to 1874, by Sir Sanford Fleming. The problem was to put in the new spans with the minimum delay of traffic and so successfully was it solved that the interruptions of travel were but three or four hours in length. The variation of the river level, due to the tides, was about three feet, and scows were built to take advantage of it. Two scows were used for each truss, both old and new, a Howe truss bridge being built across each pair. About two hours be-

fore high tide the scows and bridge were floated under the span to be taken out and the scows kept from rising too much by the pumping in of water. By high tide the old span had been freed from the rest of the bridge and the water was pumped from the scow, causing the latter to rise and carry the old span with it. Another pair of scows was at hand with the new span, which was at once floated into position and water pumped in until the new structure had settled into place. The new trusses are built on twin false works near one end of the bridge, and upstream. The old spans were landed on trucks running on rails supported by trestle work. When a

span had been rolled back to its proper position on the trestle it was jacked up and the trucks rolled forward ready for the next span. H. D. Bush was the engineer who had charge of the work, which is described by him in an article in the Railroad Gazette for January 23. He made the calculation and plans, however, under the general direction of Manager Phelps Johnson, of the Dominion Bridge Company, Limited, of Montreal, the company that did the work.

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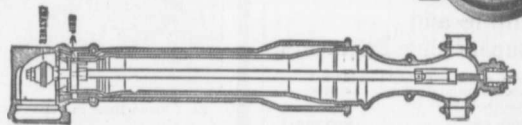
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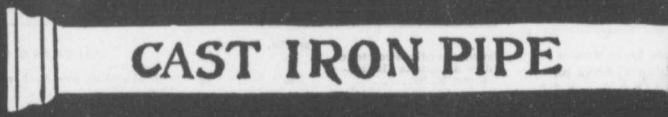
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