

1905 CANADIAN  
**Contract Record**

*A Weekly Journal of 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, Purchasers of Municipal Debentures and Leading Contractors in All Lines Throughout Canada

VOL. 16.

TORONTO, MONTREAL — DECEMBER 20, 1905 — WINNIPEG, VANCOUVER

No. 42

**THE CANADIAN CONTRACT RECORD**

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**THE C. H. MORTIMER PUBLISHING COMPANY**  
of Toronto, Limited,

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W. FRASER, Quantity Surveyor,  
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**BUILDERS AND CONTRACTORS**

**TENDERS FOR IMPLEMENT AND  
PROCESS BUILDING**

Separate tenders, addressed to the undersigned, will be received through registered post only, up to noon on **TUESDAY, JANUARY 2ND, 1906**, for the various works required in the erection and completion of an **IMPLEMENT AND PROCESS BUILDING ON THE TORONTO EXHIBITION GROUNDS.**

Plans and specifications may now be seen, and all information, together with forms of tender, obtained at the office of Geo. W. Gouinlock, architect, Temple building, Toronto.

Tenders must be accompanied by a marked cheque, payable to the order of the City Treasurer, or a cash deposit equal to 5 per cent on tenders up to \$1,000, and 2½ per cent on tenders over that amount.

Should any party whose tender is accepted fail to execute the necessary contract and bond and give satisfactory security for the due fulfilment of the contract, the deposit accompanying the tender will be forfeited to the city. The lowest or any tender not necessarily accepted. The deposits of unsuccessful tenderers will be returned.

**THOMAS URQUHART (Mayor)**  
Chairman Board of Control.  
City Hall, Toronto, Dec. 11th, 1905.

**TENDERS**

will be received by the undersigned up to **DECEMBER 27TH** for erecting a large Residence in cement stone blocks and artificial stone.

Plans and details may be seen and information obtained at the offices of the Architect.

**GEO. W. GOUINLOCK, Architect,**  
Suite 1108 Temple Building, Toronto.

**FOR SALE**

The Corporation of the Town of Parry Sound, Ontario, will receive sealed tenders at the office of E. E. Armstrong, Town Clerk, up to and including the **13TH DAY OF JANUARY, 1906**, for the following Electrical Apparatus: One direct connected 40 k.w. 60 cycle 2080 v 3-phase revolving field Alternator, also one direct connected Exciter suitable for the above machine, together with switchboard all complete, f.o.b. power house, Parry Sound.

Bids will also be received for water wheels suitable to drive the above machine, either connected to the present wheels or not, as may be most suitable. For information re. water wheels, address

**G. GROVES, Box 422,**  
Parry Sound, Ont.

Specification of Electrical Apparatus may be seen at the office of the Town Clerk.

**CONTRACTS OPEN.**

**CREDITON, ONT.**—S. Brown will receive tenders up to 29th inst. for erection of a four-roomed school.

**AURORA, ONT.**—The Town Council have passed a by-law to expend \$10,000 on an improved system of waterworks.

**PORT MOODY, B.C.**—J. S. Emerson is having plans prepared for a saw and shingle mill to be built at this place.

**KEEWATIN, ONT.**—The Maple Leaf Milling Company contemplate building a flour mill between here and Kenora.

**LONDON, ONT.**—The Trustees of the Maitland street Baptist church have been granted a permit for their new edifice.

**SOUTHAMPTON, ONT.**—Nearly \$10,000 has been subscribed towards the new Methodist church, which is to cost \$12,000.

**WATERLOO, ONT.**—The County Council have cancelled the issuing of \$7,000 of debentures to meet the deficit of last year.

**PHENIX, B.C.**—The directors of the British Columbia Copper Company have definitely decided to enlarge their reduction works.

**AMHERST, N.S.**—The Town Council have engaged F. A. Barbour, C. E., of Boston, to report upon a water supply for this place.

**ST. DAMIEN, QUE.**—Rev. Father Brousseau is taking steps towards the reconstruction of the orphanage destroyed by fire recently.

**LETHBRIDGE, N. W. T.**—C. P. R. engineers have finished the surveys for a 6,000 foot trestle bridge at this place, to cross Belly river flats.

**BROCKVILLE, ONT.**—B. Dillon, architect, is asking for tenders up to Saturday, 23rd inst., for metal ceilings for two stores in the Harding block.

**NANAIMO, B.C.**—The Nanaimo Lumber Company propose to build a branch line of railway from the Esquimalt and Nanaimo line to their saw mill.

**ALEXANDRIA, ONT.**—The by-law guaranteeing bonds of the Gleggery Mills, Limited, was carried last week. Additions will be made to the company's plant.

**INGERSOLL, ONT.**—It is understood that plans are being prepared for Merchants' Bank building to be erected on corner of Charles and Thames streets.

**ARNPRIOR, ONT.**—The Town Council have decided to accept McLaughlin Bros' proposition for the building of a new dam on the Madawaska river.

**TRURO, N.S.**—The Bank of Nova Scotia has purchased property adjoining the Normal School buildings and will, it is said, build a fine stone structure next spring.

**LONGUEUIL, QUE.**—A proposal has been placed before the Council to build a dam in the river so as to connect the south shore of St. Helen's Island with the mainland.

**MAISONNEUVE, QUE.**—The contract will likely be awarded this week for a new fire station.—C. A. Marchildon has asked for a bonus for the establishment of a new shoe factory.

**SASKATOON, N.W.T.**—It is understood that the Grand Trunk Pacific Railway Company will shortly call for tenders for that portion of the road between Touchwood Hill and this place.

**KINGSTON, ONT.**—The Kingston and Pembroke Railway Company are applying to Parliament for an extension of time for the construction of a branch from Sharbot Lake to Carleton Place.

**OWEN SOUND, ONT.**—An extension to the gas works is necessary, and it is probable that a by-law will be submitted to the ratepayers in the spring to raise between \$30,000 and \$40,000 for this purpose.

**BRANDON, MAN.**—At a public meeting of ratepayers held here recently, it was decided to postpone until a later date the submission of a by-law to the ratepayers to provide funds for school buildings.

**PETERBORO, ONT.**—The deputation which recently interviewed the Dominion Government in reference to a dock for this city were given to understand that an appropriation for the work would be made.

**PORT COLBORNE, ONT.**—The Department of Railways and Canals have approved of plans, prepared by Mr. Jamieson, of Montreal, for a two million

bushel elevator at this place. Tenders will be called early in the new year.

**EUGENIA FALLS, ONT.**—B. F. Reesor, manager of the Georgian Bay Power Company, states that contracts for excavating for the large storage basin will be awarded shortly so that the work may be commenced in the spring.

**MONTREAL, QUE.**—It is said that a company has been organized in this city for the purpose of engaging in the manufacture of steel cars, and that a large plant will be erected next spring. No further particulars have been learned.

**PEMBROKE, ONT.**—The ratepayers will vote on by-laws at the municipal elections to provide \$15,000 for extension of intake pipe, \$25,000 to build a steel bridge across the Madawaska river and \$23,500 for repairing certain streets and erection of Isolation Hospital.

**GRAND FORKS, B.C.**—H. W. Warrington, superintendent of the Kettle Valley Railway, has taken eighteen surveyors to Bannock city, to commence the surveys for a line of railway to Franklin camp, a distance of 40 miles. It is estimated that this survey will take three months.

**FORT FRANCES, ONT.**—John Galt, C.E., Toronto, is expected here shortly in connection with the laying out of the proposed sewerage system.—A party of surveyors arrived here last week to re-survey the line for the Duluth, Virginia and Rainy Lake railway between this place and Pelican Lake, Minnesota.

**ST. CATHARINES, ONT.**—L. K. Jones, Secretary Department of Railways and Canals, Ottawa, requests tenders by Tuesday, January 2nd, for supply of timber, hardware, castings, paints, oils, etc., for the Welland Canal and its branches for next year. Specifications at the office of the Superintending Engineer, this city.

**QUEBEC, QUE.**—An agreement has been reached between the Board of Trade and the C.P.R. under which the latter will acquire the Board of Trade property and give in exchange a similar area of ground and a cash consideration of \$40,000 with which to erect a new Board of Trade building to replace the one vacated.

**CAMPBELLTON, N. B.**—Tenders for the construction of a wharf here will be received by the Department of Public Works, Ottawa, up to Thursday, January 11th. Plans at offices of Geoffrey Stead, Chatham, N. B.; E. T. P. Shewen, St. John, N. B.; C. E. W. Dodwell, Halifax, N. S.; on application to the Postmaster here, and at the Department, Ottawa.

**OTTAWA, ONT.**—The County Council have decided to issue \$20,000 of debentures for new bridge across the Rideau river.—The Quebec Midland Railway Company is seeking incorporation to build a railway from Lake Abitibi to Lake Matagami, Que.—The time for receiving tenders for a scavenging system has been extended to the 21st inst.

**WIARTON, ONT.**—Siemon Bros., Limited, propose to establish a factory for manufacturing, planing, and dressing hardwood lumber for flooring purposes, at a cost of \$8,000. They ask the Council to fix their assessment at \$3,500, and a by-law authorizing such action will go before the ratepayers on January 1.

**FREDERICTON, N.B.**—Tenders will be received at the Department of Public Works up to January 15th, for building a new bridge at Amherst Pond, Dorchester.—Tenders for rebuilding Little Dipper Harbor bridge in St. John county will be received by the Department of Public Works up to January 8th.

**VICTORIA, B.C.**—Tenders will be received at the Department of Lands and Works up to noon on December

23rd, for the erection of a wooden bridge over the Kettle river at Carson. Plans may also be seen at the office of the Government Engineer, Grand Forks.—Eberts & Taylor are asking for the incorporation of a company to construct a railway from Kamloops to Barkerville and Fort George.

**EDMONTON, N.W.T.**—Directors of the Bank of Hochelaga, Montreal, have purchased property here on which to erect a bank building.—G. O'Grady, manager of the Northern Bank, has purchased the Stonvel property on corner of Jasper and Queens avenue, and will erect a building thereon next spring.

**SEAFORTH, ONT.**—The County Engineer has recommended that the following bridges be rebuilt as early as possible in 1906, all with steel superstructures and concrete abutments: Jamestown bridge to be replaced by one span 110 feet clear; Day's bridge with one span 120 feet clear; Forsyth's bridge with an 18 foot span; Belgrave bridge with a span of about 25 feet clear.

**HALIFAX, N.S.**—Tenders are invited by the Department of Public Works, Ottawa, up to Friday, 22nd inst., for the construction of a hospital at Laver's Island, N.S. Plans on application to C. E. W. Dodwell, this city.—It is reported that the T. Eaton Company, of Toronto, have secured an option on the Parker's Market property on corner of Buckingham and Barrington streets, and intend erecting thereon a departmental store building.

**BRANTFORD, ONT.**—The by-law to raise \$45,000 for erection of two new schools will be voted on by the electors on January 1.—John Moffatt has been granted a permit for a new livery stable on Dalhousie street, to cost \$4,000.—Mr. McHenry, of the Patent Roofing Company, South Bend, Indiana, is in the city forming a local company for the manufacture of patent roofing. The factory will be built in this city.

**NEW WESTMINSTER, B.C.**—It is expected that work will be commenced in the early spring on the construction of a second reservoir in connection with the waterworks system, to have a capacity of 5,000,000 gallons.—The municipality of Burnaby has filed an application for 1,000 miner's inches on Seymour Creek for waterworks purposes. A company headed by G. S. B. Perry has in prospect a waterworks system to supply the municipalities of Burnaby and Richmond.

**CALGARY, N.W.T.**—The School Board have decided that two new buildings should be erected, to cost \$50,000 and \$10,000 respectively.—City Engineer Thorold has been instructed to prepare plans for a crematory for the city.—Leo Dowler, architect, has prepared plans for a three-storey brick building to be erected on Eighth avenue east, to be 68 x 130 feet. The ground floor will be occupied by A. W. Ward, Copas & Emerson and Skinner & Miquelon, while the upper stories will be laid out in offices. The heating will be by steam; estimated cost, \$45,000. Tenders will shortly be invited.

**REGINA, N.W.T.**—The plans of Dodd & Hopkins, architects, Calgary, have been accepted for the new City Hall building in this city. Twenty-five designs were submitted. The architects have been instructed to proceed with the working drawings so that tenders for the erection of the building may be invited at an early date. The building will be four stories, the basement of Tyndall Mountain stone, rock faced, and above this of red pressed brick, with dressed Tyndall Mountain stone trimmings to window and door openings and angles of building. The interior finish will be in oak, heating by low gravity steam, and

the building will be equipped with speaking tubes, electric bells, telephones, and electric lighting. Estimated cost, \$10,000.

**WINNIPEG, MAN.**—It is understood that the directors of the Builders' Exchange have decided to erect a building of their own next year.—Two by-laws were carried here on Tuesday last, one sanctioning the issue of \$600,000 of debentures for the construction of a gas plant, and the other providing \$150,000 for necessary improvements and extensions to the general hospital.—The trustees of Zion Methodist church intend building a new parsonage in the spring, of brick, cost \$6,000.—The Northwest Commercial Travellers' Association have decided to erect a building of their own.—The City Council will award contracts this week for construction of sewers and granolithic sidewalks.—The Winnipeg-Portage Auto Road Company has been organized to construct a toll speedway for automobiles between Winnipeg and Portage la Prairie. The proposed track will be 158 miles in length, and it is understood that the necessary capital has been secured.

**HAMILTON, ONT.**—Tenders are invited by the Department of Public Works, Ottawa, up to February 5th for the construction of a wharf in this city. Cheque for \$8,000 must accompany each tender. Plans may be seen on application to the Postmaster and at the office of J. G. Sing, Resident Engineer, Confederation Life Building, Toronto.—A. C. Havill has purchased 60 feet of land on south side of Hannah street, west of James, and will erect two dwellings.—The Banwell-Hoxie Wire Company have purchased eight lots on Princess street on which to build their proposed factory.—The Dominion Automobile Company have arranged for the building of a garage on part of the Cahill property on King street east. A. E. Carpenter is interested.—H. N. Kistson has purchased the Palace rink property on Jackson street west, which will probably be utilized in connection with W. H. Gillard & Company's business.—The Baynes Carriage Company, Buffalo, are about to build a \$40,000 factory on Sherman ave., the plans for which have been prepared by A. W. Peene, architect.—Chief Ten Eyck, of the Fire Department, is pressing the Council to build two new fire halls, one in the east end and the other in the west end.—R. & J. Poig will build a \$1,900 brick residence on Queen street, between Markland street and Aberdeen avenue.

**VANCOUVER, B.C.**—New Hampshire and Massachusetts capitalists have acquired timber limits in the vicinity of Jervis Inlet and purpose building a saw mill.—The Seattle Lumber Milling Company, who are carrying on operations at Mosquito Bay, intend to construct about a mile of wharf.—John Hendry, president of the V. W. & Y. Railway, states that grading work on the western section will be started not later than March.—The by-laws to be voted on by the taxpayers in January are as follows: Waterworks extension, \$750,000; crematory, \$30,000; sewers, \$100,000; market, \$100,000; park, \$15,000.—Tupper & Griffin, solicitors, are applying for the incorporation of the Kamloops & Yellow Head Pass Railway Company, to construct a railway from Kamloops to Tete Gaune Cache.—A by-law will likely be submitted to the ratepayers to provide \$30,000 for the purpose of establishing a modern crematory.—P. Burns & Company will proceed with the construction of an abattoir as soon as the agreement with the city is finally ratified.—The City Engineer has been instructed to prepare an approximate

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**CONTRACTS AWARDED.**

**VICTORIA, B. C.**—Building on Johnson street for Juene Bros.: Robert Dinsdale, contractor.

**FORT FRANCIS, ONT.**—Two-storey cold-storage building for L. Christie: J. F. McKenzie, contractor.

**MONCTON, N. B.**—Haley Bros., of St. John, are reported to have secured the contract for refitting the post-office here.

**PORT ARTHUR, ONT.**—The Council have just sold \$25,000 town debentures to the Dominion Securities Company, at 105.

**TORONTO, ONT.**—The contract has been let for a new Baptist church at corner of Floor street and Ossington avenue, brick and stone, cost \$13,000.

**WINNIPEG, MAN.**—The City Council have accepted the following tenders: Supply of 16 and 18 inch valves, Chapman Valve Company, \$305; hydrants, Camden Iron Works, \$6,025 f.o.b. Winnipeg.

**FREDERICTON, N. B.**—It is understood that the Canada Foundry Company, Toronto, have secured the contract for the superstructure of the Fredericton highway bridge.—The Council have disposed of \$10,000 of waterworks debentures to J. W. McCready, at \$25 above par. They are redeemable in 30 years and bear interest at 4 per cent.

**FIRES.**

Hotel at Dymont, Ont., owned by Mrs. Larson; loss \$4,000.—Central Congregational church on Hargrave street, Winnipeg, damaged to extent of \$25,000.—St. Luke's Anglican cathedral, Halifax, N.S., totally destroyed; loss about \$30,000, insurance \$20,000.—Creamery at Richmond Hill, Ont., owned by the Devonshire Manufacturing Company, totally destroyed. A new building will be erected.—Methodist church at Markdale, Ont.; loss, \$8,000.—Machine shop of the Stuart Machinery Company, Winnipeg, Man., partially destroyed; loss \$10,000.—Residence of Charles Ellis, C.E., Winnipeg, loss \$2,000.—Flour mill of Emerson Reid, Portage du Fort, Que.—Building at 364 St. Paul street, Montreal, owned by John Torrance and occupied by the British American Import Company, partially destroyed; loss on building, \$30,000.

**PRODUCTION OF PORTLAND CEMENT.**

According to a report published by the United States Geological Survey, the production of Portland cement in the

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United States in 1903, 22,342,973 barrels, showed an increase of 5,112,329 barrels over that of 1902. This increase in supply was not entirely justified by the demand, and when the year closed a quantity of the Portland cement produced during the year was left unsold in the bins. Prices fell as a result and only the oldest and best known brands were able to maintain their usual market rate. The low price of the artificial product also seriously interfered with the production of natural rock cement, so that many operators of natural cement plants were forced to shut down during a large part of the year.

The total production of hydraulic cement in the United States in 1903 was 29,899,140 barrels, valued at \$31,931,341, an increase of 4,145,635 barrels in quantity and of \$6,564,961 in value as compared with 25,753,504 barrels, valued at \$25,366,380, produced in 1902.

Of the total production in 1903, 22,342,973 barrels, having a value of \$27,713,319, were Portland cement.

The production of natural-rock cement was 7,030,271 barrels, valued at \$3,675,520. This was a decrease in quantity of 1,014,034 barrels and in value of \$401,110, as compared with 8,044,305 barrels, valued at \$4,076,630, the production of 1902. The production of pozzolana or slag cement was 525,896 barrels, valued at \$542,502. The number of Portland cement works in the country during 1903 was 78.

**SAWING STONE BY WIRE.**

Stone sawing by wire is done successfully in France, according to a paper by Mr. E. Bourdon in the "Bulletin" of the Society for the Encouragement of National Industry. A complete plant comprises an endless wire passing round a series of pulleys, one of which is a driving-pulley. The necessary tension is obtained by a straining trolley working on an incline plane, and between the driving shaft and this trolley is situated the saw frame, which carries the guide-pulleys for the wire saw. This wire, which is driven at a given speed, is caused to press lightly on the stone, and the cutting is done by sand mixed with water, which is conveyed into the saw-cut as the work proceeds. Though the mode of operation appears simple, it entails various difficulties in practical application. Three twisted steel wires are used, each wire having a diameter of 0.098 in. The strands must be twisted fairly tight and should make one turn in 1.18 in. The wire may be driven in the workshop at a speed of 23 ft. per second, but in quarries or adits the speed should not exceed 13 ft. per second. The force exerted by the wire to produce the cut must be uniform and must be capable of being readily varied; moreover, it must be proportionate to the length of the cut.

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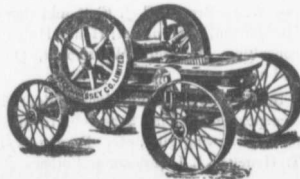
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**WASHED PORTLAND CEMENT.**

Cement can be washed provided it is extremely slow setting, say one hour to one and one-half hour. Such a washed cement will prevent efflorescence in the work in which it is used. Cement so treated will only attain one-half of the strength of an unwashed cement. Experiments conducted in the laboratory of the Tonindustrie Zeitung gave the following results: Neat cement briquettes, 24 hours, 16 pounds per sq. centimeter; washed cement; 8 pounds per sq. centimeter. Washed cement therefore loses one-half of its strength compared to the unwashed cement. The same ratio obtains as the cement test pieces become older and stronger. The washed cement being 100 per cent. stronger than the unwashed cement, therefore efflorescence can only be overcome by sacrificing the strength of the cement.

**NEW COMPANIES.**

Toronto-Cobalt Mining Company, Limited, Toronto, incorporated, capital \$300,000. Directors, H. B. Wills, of Toronto, J. S. Humberstone, of Township of York, and Whitford Vandusen, of Toronto Junction.

Stephenson Belting Company, Limited, Toronto, incorporated, capital \$40,000, to manufacture belting, etc. Directors, John E. Stephenson, William Gillespie, and others.

Rhodes Metallic Packing Company, Limited, Toronto, incorporated, capital \$40,000, to manufacture metallic packing. Directors, J. M. Rhodes, J. S. Dawson and Robert L. McAfee.

Imperial Electric Motor Company, Limited, Toronto, incorporated, capital \$200,000. Directors, Andrew Dods, Robert McKay, and others.

Uxbridge Piano & Organ Company, Limited, Uxbridge, Ont., incorporated, capital \$30,000. Directors, C. W. Small, George McGuire, and others.

Economical Manufacturing & Supply Company, Limited, Toronto, incorporated, capital \$40,000, to manufacture engineers' and steam users' supplies, etc. Directors, H. L. Brown, W. J. Boland, Samuel Beham, T. J. Walsh and W. H. Crow.

McGill Chair Company, Limited, Cornwall, Ont., incorporated, capital \$100,000, to manufacture chairs, etc. Directors, Thomas McGill, P. E. Campbell and R. J. Pitts.

Fred Armstrong Company, Limited, Toronto, incorporated, capital \$40,000, to acquire the plumbing and heating business carried on by Fred Armstrong. Directors, Fred Armstrong, William Armstrong, and J. R. Bailey.

Jamaica Light & Power Company, Limited, Montreal, incorporated, capital \$250,000, to carry on the business of a light, heat and power company. Promoters, W. G. Brown, C. J. Flett and James Hutchinson, of Montreal; Henry Holgate, consulting engineer, Westmount, Que., and others.

Bodt's Gum Company, Limited, Montreal, incorporated, capital \$125,000, to manufacture chewing gum, etc. Promoters, R. T. Heneker, J. J. Robson and others.

International Amusement Construction Company, Limited, Montreal, incorporated, capital \$250,000, to manufacture various structures and devices for amusement purposes. Promoters, J. A. Gordon, F. X. St. Charles, R. A. E. Greenshields and others.

Carleton Apartment House, Limited, Montreal, incorporated, capital \$50,000. Promoters, Alexander Mackay, H. M. Marler and others.

Winnipeg Quarry Company, Limited, Winnipeg, Man., incorporated, capital \$50,000. Promoters, Charles O'Towle, Peter M. Thomson and others.

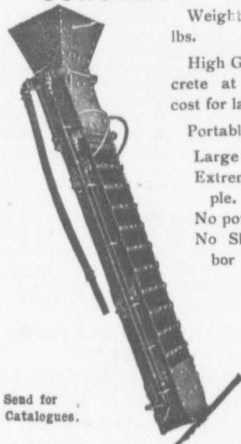
**TESTS AT CEMENT WORKS.**

Tests were recently made at the works of the Sydney Cement Company, under the supervision of C. J. Curtin, the contractor, and cement experts of w rk. Among the prominent gentlemen present were Hon. G. H. Murray, President Plummer of the Dominion Iron & Steel Company, President Mayhew of the Cape Breton Coal, Iron & Railway Company, and a number of contractors, all of whom followed the various processes with deep interest. Mr. Plummer was especially interested and expressed himself as being thoroughly satisfied with the result of the test, the complete condition in which he found the plant, and the general details of its operation.

The quality of cement produced, as shown by this test, was highly satisfactory and exceeds in every respect the official specification of the government. The machinery producing it is most complete, and the plant contains all the most recent improvements, so that the Sydney industry is the most modern on the continent, if not in the world. This is due to close application on the part of Mr. C. J. Curtin, who has been devoting himself to the study of the manufacture of slag cement and the erection of slag cement plants for the past seventeen years. Mr. Curtin states that upon careful investigation and analysis he has found the slag used by the Sydney industry superior to any in the United States for the manufacture of cement.

J. P. Leroux, sash and door factory, Sorel, Que., has assigned.

The municipality of Red Deer, Alberta, is making a change in the waterworks intake and is putting in a filtration basin, at an estimated cost of \$2,500. The water is drawn from the Red Deer river and forced into the mains by a steam pump at a pressure of 35 lbs. for domestic purposes and 125 lbs. for fire. The metal pipe used was supplied by the Gatsore Thompson Company, Hamilton, and the wooden stave pipe by the Pacific Coast Pipe Company, Vancouver. The proposition for this year's deliberations is to extend the waterworks system about two miles, thus giving a circulating system throughout the whole municipality. Red Deer has spent \$5,000 on local improvements during the past year, \$4,000 being on permanent streets and the balance on wooden sidewalks. The assessment of the town for the current year is practically \$1,000,000, the population being now about 2,000, a growth of 500 this year. The C. P. R. are putting in permanent improvements, including a new roundhouse, it being their intention to make Red Deer a divisional point on the C. & E. Railway.

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**BUSINESS NOTES.**

Strachan & Hebden have bought the stock of F. E. Hebden, plumber, Nelson, B. C.

Thomas McCullough has sold his planing mill at Fullarton, Ont., to K. J. Harmer.

Joseph Newberry, painter and wall paper, St. Thomas, Ont., has sold his business to I. N. Wheeler.

R. B. Weeks, of Weeks & Son, Vancouver, B. C., has recently been on a business trip to the Eastern States.

The assets of O'Connor & Wilson, plumbers, hardware, etc., Ottawa, have been sold at 50 cents on the dollar.

Placide Pleau and Arthur S. Pleau have registered under the name of Pleau & Fils, carpenters and builders, Montreal.

The general offices of the Canadian Portland Cement Company, of Deseronto, Ont., have been removed to the Temple Building, Toronto.

The Canadian Buffalo Forge Company, Montreal, have recently issued two attractive booklets, one entitled "Buffalo Steel Pressure Blowers," and the other "Volume Blowers and Exhausters."

The Dominion Government are constructing a waterworks system in Banff, Alberta, the water being brought from a mountain stream three miles away. The Pacific Coast Pipe Company, Vancouver, secured the order for the supply of the main pipe, which will consist of 14,000 feet, 10 and 12 inches in diameter, most of it working under a pressure of 130 lbs. The contract for the pipe was awarded direct by the Department of Interior at Ottawa.

The annual meeting of the shareholders of the Grey & Bruce Portland Cement Company was held at Owen Sound recently, when a very satisfactory statement of the year's business was presented. It was stated that arrangements had been made to install a digger for the purpose of transferring the marl from the cars to the mill. Officers for the ensuing year have been elected as follows: President, James McLauchlan; vice-president, J. G. Lind; secretary-treasurer, A. F. Creasor.

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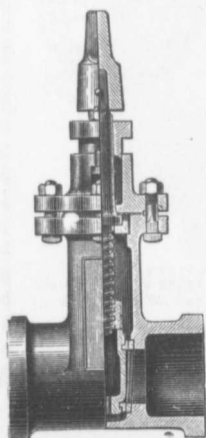
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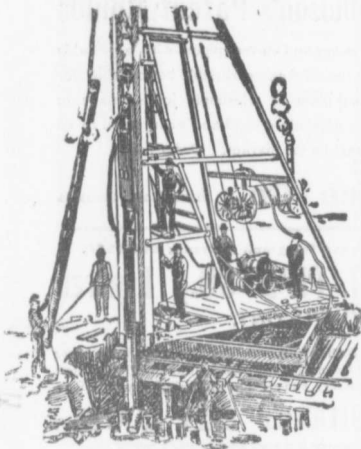
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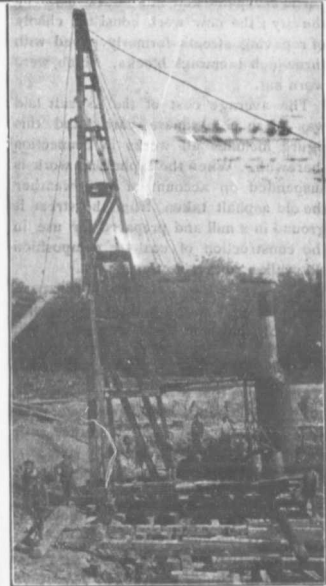
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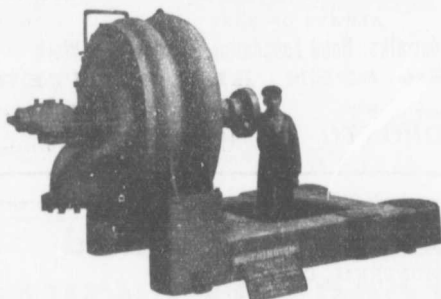
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The average cost of the asphalt laid was \$1.22 per square yard, and this figure includes all works in connection therewith. When the asphalt work is suspended on account of wet weather the old asphalt taken from the street is ground in a mill and prepared for use in the construction of coal-tar composition sidewalks, so that no time is lost.

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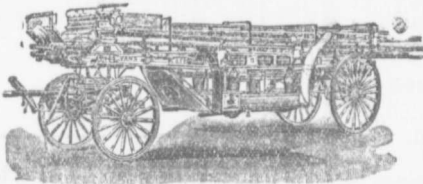
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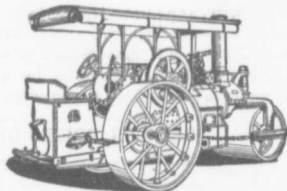
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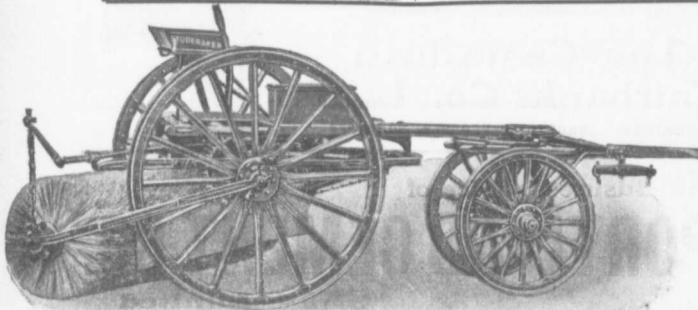
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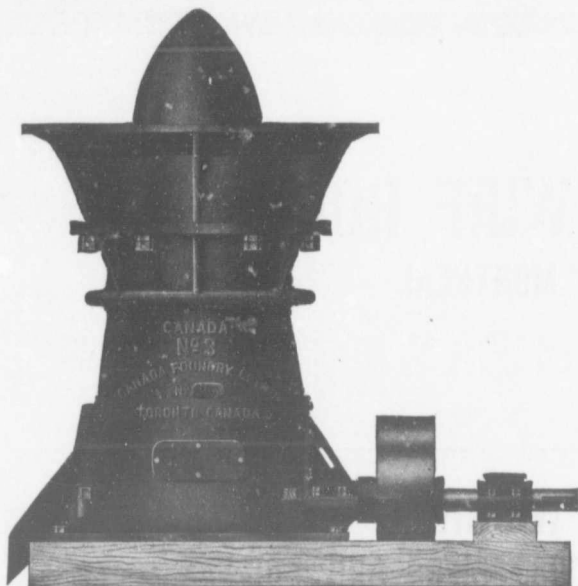
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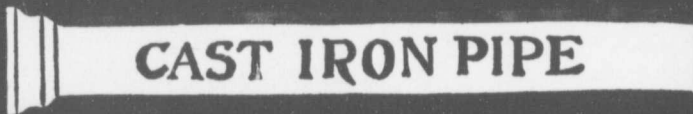
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