

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. 14.

TORONTO AND MONTREAL, FEBRUARY 10, 1904

No. 52.

THE CANADIAN CONTRACT RECORD PUBLISHED EVERY WEDNESDAY

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LETHBRIDGE WATER WORKS

Sealed tenders will be received by the Secretary-Treasurer, Lethbridge, until 6 p. m. on THURSDAY, MARCH 31ST, 1904, for the following works and machinery:—

- Contract C2—Masonry foundation.
- Contract G—Pumping machinery.
- Contract H—Boilers.
- Contract I—Well and galleries.
- Contract B—Pump house.

Plans, specifications, etc., may be seen at the office of the Secretary-Treasurer, Lethbridge, or at the office of the Chief Engineer, Toronto, Ont. No tender necessarily accepted.

W. OLIVER, Esq., Mayor, Lethbridge, Alta.
C. B. BOWMAN, Esq., Secretary-Treasurer, Lethbridge, Alta.
WILLIS CHIPMAN, Chief Engineer, Lethbridge, Alta.
M. FREEMAN, Esq., Chairman of Committee, Toronto, Ont.

NOTICE TO CONTRACTORS

Sealed proposals, marked "Bid for Portland Cement," will be received by the undersigned until NOON, FEBRUARY 15TH, 1904, for furnishing

**Twenty Thousand (20,000) Barrels
of Canadian or American
Portland Cement**

for The Electrical Development Company of Ontario, Limited, of Toronto, Ontario. Specifications are on file and may be seen at the Company's offices, Home Life Building, Toronto, Ontario, and Niagara Falls, Ontario, or at the office of F. S. Pearson, Dr. Sc., Consulting Engineer, 29 Broadway, New York City. The right is reserved to reject any or all proposals.

FREDERIC MICHOLLS,
Vice President and General Manager,
Home Life Building,
Toronto, Ontario.

TOWN OF PORT ARTHUR Province of Ontario

WATER WORKS AND SEWERAGE WORKS

Sealed tenders will be received by the Town Clerk until 8 p. m. on SATURDAY, FEBRUARY 20TH, 1904, for:—

- (a) Laying 1,400 ft. of submerged waterworks intake pipe.
- (b) Laying two submerged sewer outlets about 1,300 ft.

Sealed tenders will also be received by the Town Clerk until 8 p. m. on MONDAY, MARCH 28TH, 1904, for completing trenching and pipe-laying on the following works:—

- (c) Contract A, Sec. 1.
- (d) Contract A, Sec. 2.

Comprising about 7,000 feet of storm sewers, 15,500 feet of sanitary sewers, and 29,000 feet of cast iron water main, part in rock.

Plans and specifications will not be sent out to prospective bidders, but they may be examined at the office of the Town Clerk, or at the office of the Chief Engineer, Toronto. No tender necessarily accepted.

JAS. McTIGUE, Esq.,
Town Clerk, Port Arthur, Ont.

WILLIS CHIPMAN, C.E.,
Chief Engineer, 103 Bay Street, Toronto, Ont.

Tenders Wanted

Sealed tenders will be received by the undersigned until noon on FEBRUARY 26, 1904, for

Asphalt Paving Blocks and Portland Cement

in such quantities as may be required by the City of Windsor during the current year. The said Paving Blocks to be three inches in thickness and in all other respects of the standard size and of the best quality, and the said Cement to be of a strength and quality satisfactory to the City Engineer. In both cases samples must accompany tenders, the same to be retained for comparison with the material delivered. The successful tenderer will be required to enter into a written contract to be prepared by the City Solicitor and to furnish a satisfactory bond for the due fulfilment of the conditions of the contract.

The square yards of Asphalt Paving Blocks required is estimated at 24,000, more or less, and the quantity of Cement at about 450 barrels. In both cases delivery to be made in such proportions and upon such dates as may be mutually agreed upon. The Cement to be delivered f.o.b. railway cars or dock in this city. In respect to the Asphalt Blocks, tenders to state point of delivery.

The city reserves the right to reject the lowest or any tender.
Further information may be obtained from the undersigned.

STEPHEN LUSTED,
City Clerk.
Windsor, Feb. 4th, 1904.

TENDERS

Tenders will be received by the undersigned up to MARCH 1ST, 1904, for the purchase of \$8,000.00 30 year Debentures with interest payable half yearly at 5%, for the erection of a new R.C. Separate School House in the Town of Sturgeon Falls.

For further particulars apply to

T. FOURNIER, Sec'y
R.C. Sep. School Board,
Sturgeon Falls.

Debentures for Sale

Sealed tenders will be received by the undersigned up to 2 o'clock p. m. on MONDAY, FEBRUARY 15TH, 1904, for the purchase of \$20,000 Debentures of the Village of Elmira, bearing 4 per cent. interest, payable in twenty annual instalments.

The highest nor any tender not necessarily accepted.

J. H. RUPPEL, Village Clerk.

TENDERS FOR BRIDGE

Will be received by the undersigned on or before FRIDAY, FEBRUARY 12TH, for the erection of a superstructure for a bridge over the River Thames, on Adelaide Street, City of London. One span 160 feet; two approaches 50 feet each and 16 feet roadway. Plans and specifications may be seen at our office. Lowest or any tender not necessarily accepted.

MOORE & HENRY,
London, Ont.

CONTRACTS OPEN.

SEAL COVE, N.B.—The Free Baptists may erect a new church.

NORTH TORONTO, ONT.—The council may take early steps to enlarge the reservoir.

BARRIE, ONT.—The plans of Thomas Kennedy, architect, have been accepted for new fire hall.

RENFREW, ONT.—Already \$8,500 has been raised to enlarge St. Andrew's Presbyterian church.

THESSALON, ONT.—It is stated that A. E. Dymont intends building a large addition to the King's Hotel.

BRANTFORD, ONT.—It is reported that the Canadian Bank of Commerce will erect a new building in this city.

VERNON, N.W.T.—A. M. Fraser, architect, of Indian Head, is preparing plans for a new school to be built here.

NEW WESTMINSTER, B.C.—An addition will be built to the car shops of the British Columbia Railway Co. in this city.

CALGARY, N. W. T.—A by-law to provide \$70,000 for erection of new public schools was carried last week by a large majority.

OAK GROVE, ONT.—H. S. Berlanquet will receive tenders up to 20th inst. for erection of brick manse in Admaston.

STREETSVILLE, ONT.—Bids wanted by J. J. Mahaffy, Village Clerk,

up to March 1st for laying 10,000 feet of cement walks.

KEEWATIN, ONT.—Bids received by T. J. Cherry, town clerk, up to 20th inst. for \$2,500 4 per cent. debentures.

NEWMARKET, ONT.—The by-law granting a loan of \$10,000 to A. Davis & Co. to build a tannery was carried on Monday last.

FRASERVILLE, QUE.—The town will apply to the legislature for power to borrow \$150,000 for completion of the waterworks system.

STRATFORD, ONT.—The Water Commissioners have decided that water tanks must be erected to improve the fire protection service.

REGINA, N.W.T.—Watson & Button, of Wingham, Ont., have asked for a loan of \$5,000 to establish a sash and door factory at this place.

EDMONTON, N.W.T.—The Canadian Northern Railway will build new yards here this spring. Several grain elevators will also be built.

METZ, ONT.—John Singer, Reeve, desires tenders by 20th inst. for construction of a wooden bridge, 70 feet long, in West Garafray.

ST. JOHN, N.B.—Seven tenders have been received for building the dry dock here, but the contract is not likely to be awarded for a short time.

SYDNEY MINES, N.S.—C. E. W. Dodwell, engineer for the Dominion government, was here last week to select a site for a new public building.

CHATHAM, ONT.—The Canadian Pacific Railway will probably build a bridge over Jeanette's Creek, near the Raleigh and Tilbury town line.

ALVINSTON, ONT.—A. S. Code, C.E., will receive tenders up to 2 p.m. of 17th inst. for construction of 3 steel highway bridges in township of Brooke.

BADDECK, N.S.—Tenders will be received by A. S. McDonald up to March 10th for building addition to academy and remodeling old school building.

BROCKVILLE, ONT.—B. Dillon, architect, is preparing plans for residences for Byron C. Boyce, Gananoque, and Samuel J. Gardiner, Seeley's Bay.

SHELburne, N.S.—The Shelburne Yacht Club have had plans prepared for a new club house, 40x70 feet, to be heated by furnace. T. Walter Magee is secretary.

PORTAGE LA PRAIRIE, MAN.—The plans for the new Bank of Commerce building have arrived and show a fine structure. The cost will be about \$20,000.

TORONTO JUNCTION, ONT.—It is said that the Toronto & Hamilton Electric Railway Co. have purchased 12 acres of land here on which to erect repair shops.

TILSONBURG, ONT.—The W. H. Wilson Company, recently organized, to manufacture vinegar, cider, etc., will build an addition, 60x100 feet, to the evaporating factory.

HANOVER, ONT.—H. H. Engel intends building a pressed brick residence, for which plans are being prepared.—D. Merklinger intends building a cement and brick residence.

GUELPH, ONT.—The Guelph Junction Railway purpose building a line from Guelph to Goderich, with a branch to Listowel and another branch to St. Mary's and Clinton via Stratford.

VICTORIA, B.C.—Tenders will be invited for supplying two street sprinklers to the corporation.—D. H. S. Helmcken purposes building a wharf on his property adjoining the Chemical Works.

WOODSTOCK, ONT.—The City

Council is having some trouble with the Oxford County Council regarding site for proposed armoury, for which the Government made a grant last session.

THOROLD, ONT.—A company will seek incorporation to build a railway from Thorold south to Port Colborne, east to Fort Erie and westerly through the counties of Welland and Haldimand to Brantford.

PETERBOROUGH, ONT.—Hon. J. R. Stratton, president of the Peterborough Lock Company, is said to have made an agreement with the town under which modern lock manufacturing buildings costing \$30,000 will be erected.

WATERLOO, ONT.—A company now seeking incorporation asks for power to build a steam or electric railway from Wellesley, in Waterloo county, via Stratford and St. Mary's to Clinton, thence in a south-westerly direction to Bayfield.

SYDNEY, N.S.—The Canada Glass Co., Limited, have submitted to the town council a proposition to establish glass works here.—The Sydney Mfg. Co. purpose increasing their capital to \$250,000 and commencing the manufacture of cars.

BRANDON, MAN.—Dr. W. H. Harcourt will receive tenders up to 24th inst. for steam heating, plumbing, and complete erection of a brick and stone building for the Hamilton, Provident & Loan Society. Plans by W. H. Shillinglaw.

INDIAN HEAD, N.W.T.—A. M. Fraser, architect, is calling for tenders for a \$6,000 hotel to be built at the new town of Neudorf. Same architect has prepared plans for a \$12,000 hotel at Frances, N.W.T., for J. F. Diemert & Co., and a \$5,000 residence for Dr. Creamer, of South Qu'Appelle.

LONDON, ONT.—Tenders for waterworks supplies, including cast-iron pipe, brass fittings, valves, valve boxes, hydrants, stop cock boxes, etc., are invited up to 15th inst. Specifications at Moore & Henry's office, Albion Block.—The city engineer has presented a list of 53 blocks upon which permanent sidewalks should be put down this year.—Graham Bros. intend rebuilding their store.—Chalmers church, corner Waterloo and Grey streets, is likely to be replaced by a new edifice.

LINDSAY, ONT.—Plans prepared by G. M. Miller, architect, of Toronto, for proposed House of Refuge have been adopted by Victoria County Council, and tenders for erection will be invited immediately. Same council has appointed a committee to report as to the building of a bridge on the boundary between Eidon and Thorah.

ST. JOHNS, NFLD.—The Colonial Secretary of Newfoundland has notified the City Council that the government are prepared to advance the necessary money for contemplated improvements to water supply of this city as recommended by John Galt, C. E., of Toronto. It is proposed to improve and extend the present gravitation system.

FREDERICTON, N.B.—The People's Light & Power Co., a new concern, have been granted a franchise to erect poles and install an electric light plant in this town.—Messrs. O. G. Anderson and W. S. Y. Anderson recently arrived from England for the purpose of establishing a large furniture factory, and last week had an interview with Mayor Palmer regarding a site in this town.

PORT ARTHUR, ONT.—James McTeigue, Town Clerk, will receive tenders up to 20th inst. for laying 1,400 feet of submerged waterworks intake pipe and 1,200 feet of submerged sewer outlets, also up to 28th inst. for completing trenching and pipe-laying on sections 1 and 2 of

contract A, comprising 7,000 feet of storm sewers, 15,500 feet of sanitary sewers and 29,000 feet of cast-iron water mains. The chief engineer is Willis Chipman, of Toronto.

HAMILTON, ONT.—The Eastern Building Co., Limited, have purchased 29 lots on Clinton, Case and Ruth streets for the purpose of building dwelling houses thereon.—The commanding officers of the different regiments have appointed a committee to push the project for a new drill hall in this city.—Hon. J. M. Gibson has asked for the incorporation of a company to build an electric railway from Hamilton to London, St. Thomas, Strathroy, and other places in western Ontario. The promoters include Lloyd Harris, capitalist, of Brantford, and Albert Carl Frost, banker, of Chicago.

MONTREAL, QUE.—L. Poulin has acquired a lease of the property at 7 to 17 Philip Square and will remodel the buildings for hotel purposes, at a cost of \$25,000. Two storeys will be added to the present buildings and an addition built in the rear.—Claude Wilkinson, Secretary of the Ottawa River Railway Company, is applying to the Legislature for authority to extend the company's railway to a point on Georgian Bay.—J. Kennedy, engineer for the Harbor Commissioners, has prepared plans for a 50 ton floating steam crane with which it is proposed to equip the harbor, estimated cost \$60,000.

QUEBEC, QUE.—The Canadian Pacific Railway Co. are about to acquire the property in St. Peter street recently occupied as a telegraph office, as well as the adjoining building owned by J. E. Murphy. It is the intention to erect on the property a large seven or eight-storey building with modern conveniences, including elevator, etc. Work will be commenced as soon as possible.—It is stated that the Great Western Telegraph Co. are considering the erection of a modern building on their property on St. Peter street.—Hon. John Sharples, J. Bell Forsyth, A. C. Dobell, and others, purpose forming a company with a capital of \$100,000 to connect the parishes of St. Colombe, Silery, Bergerville and Charlesbourg with the city of Quebec by means of an electric railway.

PEMBROKE, ONT.—J. P. Sarsfield, Chairman Sewerage Committee, wants tenders by 15th inst. for construction of 1,500 feet of 16-inch cast iron pipe sewer. Plans at office of J. L. Morris, C.E.—The ratepayers will vote on a by-law on March 1st to raise \$15,000 by debentures to construct second water main, repair the town hall, extend the present sewerage outlet, and construct surface drains.—A motion has been introduced in County Council to issue \$15,000 of debentures to pay the cost of Indian River bridge and other expenses.—The Council have received a communication from Duncan Donald and M. P. Vandervoort, of Toronto, stating that the Petawawa Power Co. had been incorporated and was prepared to negotiate with the town for the supply of electric power.

WINNIPEG, MAN.—Zion congregation are considering the erection of a new church.—H. C. Stone, architect, is preparing plans for the new Broadway Methodist church in the south end of the city, estimated to cost \$90,000; material, stone.—H. L. Wilson has announced his intention of erecting a brick and stone office building on McDermott avenue.—Plans submitted by A. & W. Melville, architects, have been accepted for four suburban fire halls. Individual tenders for each hall and bulk tenders for all four will be asked for.—Tenders for supply of quantity of water pipe will be received by the Chairman Fire, Water and Light

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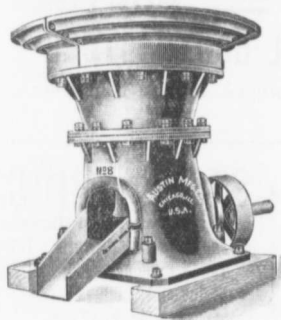
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Committee, up to 15th inst.—H. S. Griffith, architect, has prepared plans for an addition to the Occidental Hotel for D. Ripstein; 60 rooms will be added.—Z. Malhot, resident engineer for Dominion Public Works Department, will receive tenders up to 16th inst. for construction of a marine return flue fire-box boiler for tug at West Seikirk.

OTTAWA, ONT.—Plans for the new National Museum have been prepared and approved by the government. The building will be 380 feet long, four storeys and basement, and built of Canadian stone. The architect is D. Ewart, of the Public Works Department.—The Building Committee of the Public School Board have recommended the following additions to the schools: Archibald street, four rooms, cost \$12,000; Elgin street, six rooms, cost \$20,000; Creighton street, four rooms, cost \$11,000, also the installation of new heating apparatus in Kent street school, at cost of \$3,000. Improvements to Elgin street school will include the tearing out of the interior of the building and the installation of new heating apparatus.—It is reported that the Ottawa and New York Railway, operating between this city and Tupper Lake, N. Y., is to be converted into an electric road this year.—The Carleton County Council have left the question of building a House of Refuge in the hands of the Jail and Building Committee.—It is expected that an active building season will be experienced in Ottawa this year. The Central station, one at least of the Ottawa University buildings, a new geological museum and probably a new customs and inland revenue building will be erected, also three new schools, several important business blocks and a number of private residences.

TORONTO, ONT.—Chadwick & Beckett, architects, have prepared plans for a brick and stone residence for J. Henderson, Crescent Road. They have also in hand alterations to premises of F. T. Proctor, jeweller, corner Yonge and Albert streets.—Plans of pipe-laying and other work in connection with waterworks and sewerage systems at Port Arthur, Ont., are on view at the office of Willis Chipman, chief engineer, 103 Bay street.—E. J. Lennox, architect, is preparing plans for a large summer hotel to be built on Ward's Island at the Eastern Gap, at an estimated cost of \$403,000. Capital for the undertaking is now being solicited.—Same architect will have the plans of the Toronto & Niagara Power Co.'s power house at the Falls ready for tenders early in March.—Three lots on Wlamer road recently been purchased by persons

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who intend building medium-priced houses.—A 40-foot lot on Bloor street, just west of Bedford road, has been purchased and on the site will be erected a five-storey building, to be let in flats.—St. George's Society have adopted a proposal to erect a monument in Allan Gardens in memory of William Shakespeare.—The Canadian Horse Breeders' Association, at their annual meeting last week, decided to negotiate with the Union Stock Yards' Co., of Toronto Junction, for a site on which to erect an arena for the holding of horse shows and stabling accommodation. The cost is placed at \$60,000. Particulars from Henry Wade, secretary treasurer.—The Council of the Ontario College of Pharmacy are offering their large building on Gerrard street for sale, with the object of erecting a more commodious building on another site.—The plans recommended by City Engineer for the improvement of the water supply calls for an expenditure of \$960,193 and include the following items: Tunnel across the bay, \$325,000; 6-foot steel conduit, \$200,000; 5,000,000 gallon engine, \$50,000; concreting reservoir, \$35,000; 36-inch main on Bathurst, from College to reservoir, \$190,011; 24-inch main on Front street, Church to Sumach and then to Queen, \$55,394; 20-inch main, high level station to St. George street, \$8,308; 16-inch main on St. George street and Queen street east, \$24,813; 12-inch main on Strachan avenue, \$10,604, and on Queen street west, \$6,464; new meters, \$50,000.—The Board of Control has endorsed the recommendation of the Works Committee for a brick pavement on Dundas street, from Bloor to city limits, at cost of \$17,180.—E. J. Lennox, architect, has been commissioned to prepare plans for the reconstruction of the extensive dry goods store of the T. Eaton Co. The work will commence with the Yonge street front, where two storeys will

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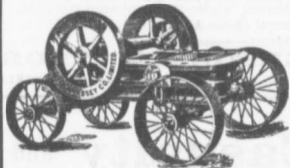
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be constructed under the street level and the foundations made sufficiently strong to carry ten storeys above ground. The Queen street section will be rebuilt next and the James street and Albert street sections at a later date.—Mackenzie, Mann & Co. have surveyed the James Bay Railway from Toronto to Beaverton, and surveys beyond the latter point are now under way.—The City Council has decided to submit to the ratepayers a by-law to provide \$1,000,000 for water works improvement. Tenders will be invited at once for a 36-inch main on Bathurst street, from College street to Rosehill reservoir, and for a quantity of 6-foot pipe.—Tenders are wanted at 204 Davenport road for all trades for pair of brick houses.—Building permits have been granted as follows: J. Westcott, 8 three-storey brick dwellings, 21 to 23 Fuller street, cost \$3,000; T. A. Drummer two pairs, 2½ storey brick dwellings, Dupont street, near Spadina road, cost \$8,000; E. A. Drummer, 2½ storey brick dwelling, Dupont street, near Spadina avenue, cost \$2,500.

FIRES.

Building at Collingwood, Ont., owned by E. Farr, damage \$33,000.—Fabre building, corner St. Lawrence and Craig streets, Montreal; loss, \$40,000.—Store of Burke & Company, 332 Main street, Winnipeg; loss \$15,000; building is owned by Scotch firm represented here by Odfield & Gardner.—Building at Johnville, Que., owned by R. A. Smith, of Sherbrooke.—Residence of William McPeak on St. Louis road, Quebec.—

Journal of Commerce building, St. James street, Montreal; loss \$50,000.—Building owned by M. S. Foley.—Commercial Hotel, Dr. Roderignes' drug store, John Co-grove's general store, the Lapierre block, F. J. Wilson's stone residence and other buildings at Buckingham, Que., totally destroyed; loss \$100,000.—Jesse Ketchum school on Davenport road, Toronto, damaged to extent of \$12,000.

CONTRACTS AWARDED.

CALGARY, N. W. T.—Stone block for Bank of Nova Scotia: Lineham & Leeson, contractors.

LINDSAY, ONT.—Interior fittings for library building: J. C. Gilchrist, Toronto, successful tenderer, \$1,225 for five wooden stacks.

TORONTO, ONT.—Fencing right of way for Toronto & Niagara Power Co's transmission line: F. H. Dickenson, of Hamilton, successful tenderer.

ST. JOHN, N. B.—Coal storage pocket for R. T. & W. F. Starr: J. H. Procter & Co., Boston, contractors.—

Brick addition to hospital: John Flo contractor.

HAMILTON, ONT.—Municipal supplies: Cast iron pipe, Thomas Irwin & Sons, \$33.60 a ton; castings, Gartshore-Thomson Co., \$3 per 100 pounds; ordinary castings, Brown & Biggs, \$2.18 per 100 pounds; stop cock boxes, Burrows, Stewart & Milne; hydrants, Gartshore-Thomson Co., \$39.50 each; lead pipe, Wood, Vallance & Co., \$4.33 per 100 pounds.

BIDS.

REGINA, N.W.T.—Only one tender was received by the Corporation for erection of waterworks and electric light power house, it being \$32,214. No award has been made.

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Kegwatin Flour Mills Company, capital \$2,000,000. John Mather, A. W. Fraser, Hon. E. H. Bronson, Ottawa.

J. T. Marchand Company, Limited, Montreal, lumber manufacturers and dealers, capital \$45,000.

Orion Mining Company, Limited, Niagara Falls, Ont., capital \$1,500,000. Milton Stewart, L. K. Hyde, of Titusville, Pennsylvania.

William A. Greene Company, Limited, Waterloo, Ont., manufacturers shirts, collars, cuffs, etc., capital \$50,000. F. S. Kumpf, Jacob Uffelmann, Waterloo.

Crown Brass & Steel Works, Limited, Stouffville, Ont., capital \$40,000. Jacob Heiser, J. A. Dale, Stouffville.

John Campbell Company, Limited, St. Thomas, Ont., capital \$100,000, manufacturers cereal products, staves, headings, etc. John Campbell, R. N. Price, N. C. Sinclair, D. N. Fatt, St. Thomas.

Safety Building Bed Co., Ltd., Windsor, Ont., capital \$40,000. I. W. Durfee, Detroit; F. H. Macpherson, Windsor.

Huntsville Kink Company, Huntsville, Ont., capital \$5,000. O. D. Tait, C. O. Shaw, Huntsville.

McIntyre, Son & Company, Limited, Montreal, manufacturers and dealers cotton and other textile fabrics, capital \$1,250,000. W. C. McIntyre, J. K. White, Duncan McIntyre, A. F. Duclou, R. W. Howland, Montreal.

Poole's Gaslight Company, Montreal, capital \$10,000. W. J. Poupore, J. G. Poupore, Montreal.

Electric & Train Light Syndicate, Limited, manufacturers electrical and mechanical devices for train lighting, capital \$150,000. J. H. Plummer, Toronto; R. A. Ross, E. E., W. G. Throsby, W. C. J. King, Montreal.

Cascapedia Manufacturing & Trading Company, Cascapedia, Que., lumber manufacturers.

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Casapedia Boiler Equipment Company, Limited, Toronto, capital \$75,000. P. E. Durst, J. D. Madocell, C. W. Laker, Toronto; M. E. Shadle, Berlin.

Victoria Cement & Power Company, Limited, Lindsay, Ont., capital \$500,000, John Carew, W. M. Flavette, J. P. Cunnings, J. B. Parkin, R. J. McLaughlin.

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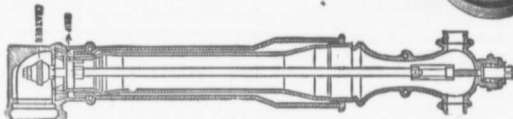
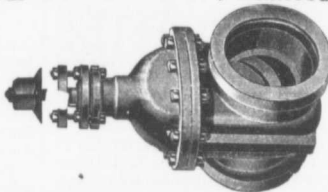
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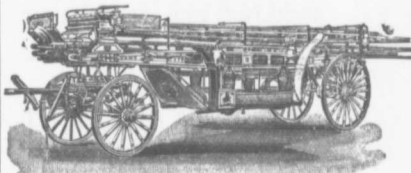
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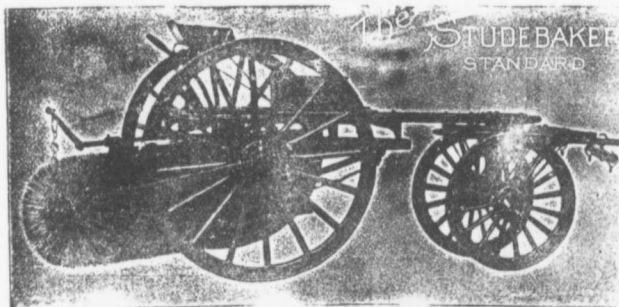
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BUSINESS NOTES.

Gagnon & Larin, plumbers, Montreal, have registered partnership.

F. X. Martel & Company, contractors, Lorette, Que., have registered.

Readman & Buteau, carpenters, Quebec, Que., have registered their business.

Mander Bros., varnish and color manufacturers, Montreal, have registered their business.

Philias Sicard, plumber, Montreal, com-

promised with his creditors at 25 cents on the dollar.

It is reported that J. H. Clifford, contractor, Edrans, N.W.T., has assigned to J. D. Hunt.

Leath Bearisto, plumber, Sydney, N.S., has registered consent to do business in her own name.

C. J. Cummings, painter, Vancouver, B.C., is announced to have assigned to Joseph H. Fife.

The value of buildings erected in Vancouver, B.C., in 1903 was \$1,426,148 as compared with \$833,607 the previous year.

The Standard Paint & Varnish Company, of Windsor, Ont., desires to increase its capital from \$12,000 to \$100,000.

Daniel Kochenburger and Anthonie L'Ecuyer have registered proprietors of the business of L'Ecuyer & Daniel, plumbers and roofers, Montreal.

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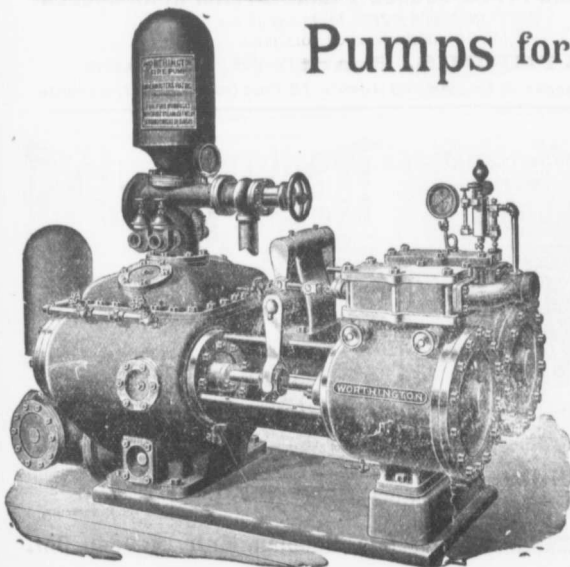
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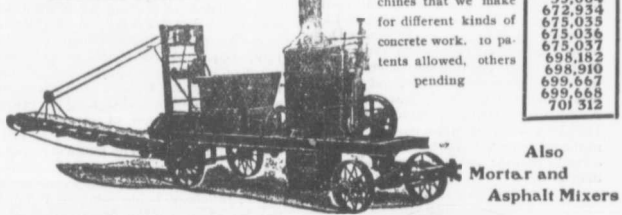


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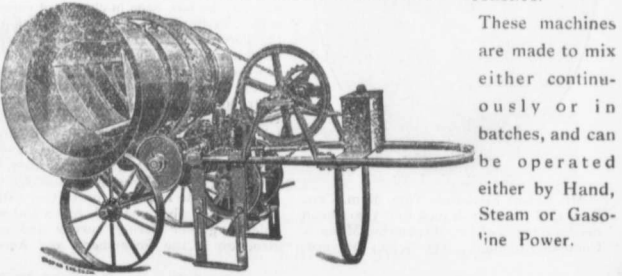
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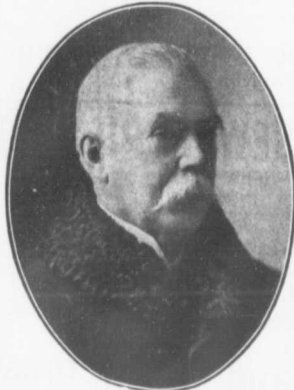
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CAPT. KILLALY GAMBLE.

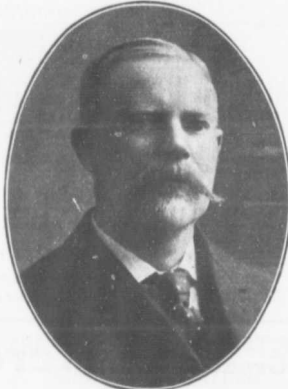
Capt. Gamble, the president of the Club, was educated at Portora Royal School, Ireland, and the Royal Military Academy, Woolwich. He was gazetted Lieutenant of Royal Artillery in 1866 and served at home, in the Mediterranean, and in the West Indies. He commanded the Royal Artillery in the Bermudas in 1880. The Captain retired from the service in 1882, and after serving for a short time on railway work, under Mr. James Barton, C.E., in Ireland, he came to Canada and settled in Winnipeg. He became a Provincial Land Surveyor for Manitoba in 1886 and a Dominion Land Surveyor in the same year. Removing to Toronto he became an Ontario Land Surveyor in 1888, and in 1902 was appointed secretary-treasurer of the Association of Ontario Land Surveyors. He has always taken an earnest interest in the Engineers' Club, having served as a director in 1902 and as second vice-president in 1903.



MR. R. F. TATE.

Mr. Robert Frederick Tate, Mem. Can. Soc. C.E., has for the past four years been resident engineer for Mackenzie, Mann & Company, Limited. He began his pro-

fessional career as rodman on the Midland Railway (now a portion of the Grand Trunk Railway System) in 1871, and since that time has obtained a railway engineering experience covering all branches. He remained in his first position ten years, completing the construction of the line to Midland and laying out and constructing the first yards, docks and elevator sites at that port. During the last five years of his connection with the road he was chief engineer. Mr. Tate has since been engaged with the principal Canadian railways in charge of location, construction and chief of construction offices in design and general work pertaining thereto. He was with the Grand Trunk Railway as resident engineer in charge of double track construction and a branch to the Sarnia Tunnel, and with the Canadian Pacific Railway on their line from Farnham, Que., to Mattawamkeag, Maine, the Smith's Falls extension and the Crow's Nest Pass Railway, as well as surveys for the company. Mr. Tate comes from an engineering family of three generations. He was director of the Engineers' Club in 1903, and is now its first vice-president.



MR. JAMES MCDUGALL.

Mr. James McDougall, C.E., second vice-president of the Engineers' Club, was one of the first graduates in engineering of the School of Practical Science. From July, 1884, to August, 1886, he was assistant to the late J. T. Stokes, C.E., County Engineer for the County of York, giving his attention to the designing of bridges and to construction of sewers, water works, street grading and paving in the town of Parkdale. The following year he was engaged in the construction offices of the Canadian Pacific Railway under Mr. W. T. Jennings, being sent to Wingham to take charge of the construction of the Wingham extension. He was later employed on calculations necessary for the final estimates connected with the deepening of the Welland canal. From December, 1888, to September, 1891, he was again employed by the Canadian Pacific Railway, during which time he obtained an experience in all phases of railway work, including surveys, grading, bridges, excavation by train and steam shovel, terminal docks, etc. Early in the year 1892 Mr. McDougall was appointed county engineer for the County of York, in which capacity he has been in charge of various works, beginning with the construction of the Toronto and Mimico Electric Railway, of which he was chief engineer. He has represented both county and companies in the construction of extensions of the Metropolitan Railway from York Mills to Newmarket; the Toronto Suburban Electric Railway to Lambton Mills and extension through Weston; and the Toronto and Scarboro Electric Railway from the beginning to its present terminus. He has also made locations for further extensions of the above named roads and was chief engineer during survey and construction of the Schomberg and Aurora

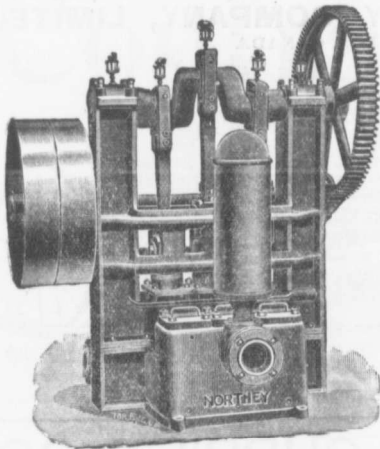
Railway, a steam road but lately opened. In addition to his county work Mr. McDougall has built a large number of steel bridges in other counties. Several outside railways, such as the Lindsay, Bobcaygeon and Pontypool line, were wholly or in part located by him.



MR. WILLIS CHIPMAN.

The secretary of the Club, Mr. Willis Chipman, is an honor graduate in civil and mechanical engineering of McGill University, Montreal. He first established an office in the town of Brockville, Ont., and in 1881 was appointed town engineer, which position he occupied until 1893. Three years prior to the latter date he removed his head office to Toronto, where he has since been located, conducting a very extensive engineering practice. While he has made a specialty of waterworks and sewerage construction, the scope of his practice embraces all branches of municipal engineering. He has designed and constructed sewerage works for London, Brantford, Brockville, Sault Ste. Marie, Smith's Falls, Campbellton, N. B., and many other corporations. The waterworks systems designed and constructed under his supervision include those for such towns as Galt, Goderich, Gannanoke, Petrolea, Smith's Falls, Sturgeon Falls, Midland, Pembroke, Edmonton, Alta., Kamloops, B. C., etc. Mr. Chipman has also been engaged as engineering expert by several cities and towns during the proceedings for expropriating their waterworks. Among these might be mentioned Barrie, Belleville, Berlin, Cornwall, Moncton, N. B., and Sherbrooke, Que. He has made a careful study of sewage disposal, having during the last ten years inspected the principal sewage disposal works in Canada, the United States and Great Britain. He has recently made an exhaustive report on the extension of the water supply for the city of London. Mr. Chipman took an active part in the organization of the Ontario Land Surveyors Association in 1886, being its first secretary and subsequently becoming president. He has been secretary of the Engineers' Club from its inception, and it is admitted that the success of the Club is in large measure due to the efficient services rendered by him. Mr. Chipman is a member of the Canadian Society of Civil Engineers, the American Society of Civil Engineers, the American Waterworks Association, and the Association of Executive Health Officers of Ontario.

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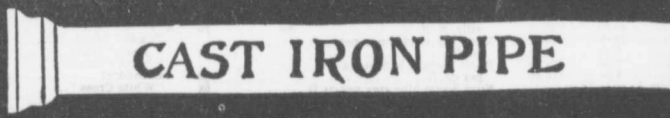
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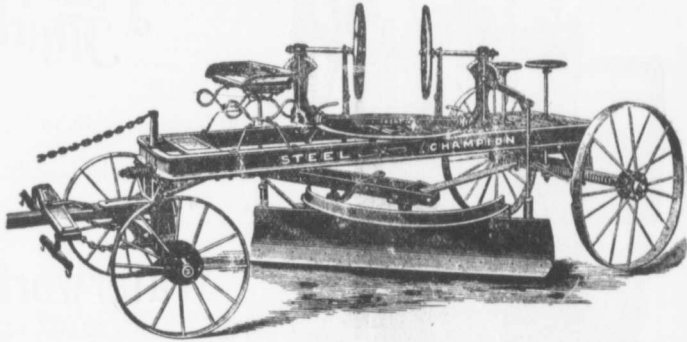
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| Roman Red                               | 30 50                                     |
| " Buff                                  | 33 50                                     |
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| Hard Building                           | 12 00                                     |
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Nos. 1, 2 and 3, Red P. Br. & Bricks  
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| Red No. 1                                                                 | 12 50                                     |
| " 2                                                                       | 12 50                                     |
| " 3                                                                       | 8 50                                      |
| Buff No. 1                                                                | 15 00                                     |
| " 2                                                                       | 13 00                                     |
| " 3                                                                       | 20 00                                     |
| Roman Red                                                                 | 30 00                                     |
| " Buff                                                                    | 30 00                                     |
| " Brown                                                                   | 40 50                                     |
| Hard Building                                                             | 12 50                                     |
| " Sewers                                                                  | 12 00                                     |
| Backing                                                                   | 6 00                                      |
| Moulded and Ornamental Bricks from \$3.00 to \$5.00 per sq. ft.           |                                           |
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| BEAMSVILLE BRICK AND TERRA COTTA CO.                       |                                         |
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|                                                            | F. O. B. Beamsville / F. O. B. Montreal |
| Red Peerless Facing                                        | \$15 00                                 |
| " No. 1                                                    | 12 00                                   |
| " No. 2                                                    | 11 00                                   |
| " No. 3                                                    | 8 50                                    |
| Brown Peerless Facing                                      | 20 00                                   |
| " No. 1                                                    | 18 00                                   |
| Buff Peerless                                              | 20 00                                   |
| " No. 1                                                    | 18 00                                   |
| " No. 2                                                    | 12 00                                   |
| Moulded and Ornamental Bricks from \$3 to \$10 per sq. ft. |                                         |
| Roman Red (Size 12 x 4 x 1 1/2 in.)                        | 28 00                                   |
| " Buff                                                     | 28 00                                   |
| " Brown                                                    | 34 00                                   |
| Vitrified Paving Brick No. 1                               | 18 00                                   |
| " " No. 2                                                  | 15 00                                   |
| Sewer                                                      | 6 00                                    |
| Roofing Tile                                               | 22 00                                   |

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**STONE.**

|                                                                  | Toronto | Montreal |
|------------------------------------------------------------------|---------|----------|
| Common Rubble, per ton, delivered at building                    | 13 50   | 11 00    |
| Large flat Rubble, per ton, delivered                            | 14 00   | 18 00    |
| Foundation Blocks, per c. ft.                                    | 4 1/2   | 5 00     |
| Granite (Stanstead) Ashlar, 6 in. to 12 in., rise 9 in., per ft. |         |          |

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|                                                                                                | Toronto | Montreal |                               | Toronto     | Montreal       |
|------------------------------------------------------------------------------------------------|---------|----------|-------------------------------|-------------|----------------|
| Amherst Red Sandstone                                                                          | 85      | 70       | <b>SLATE.</b>                 |             |                |
| Amherst, N. S., per cub. ft.                                                                   |         |          | Nothing (W. quarry)           |             |                |
| Sackville, N. B. " " "                                                                         |         |          | red                           | 20 00       | 20 00          |
| red stone of a. b. Quarries                                                                    | 45      | 45       | " purple                      | 9 00        | 10 00          |
| Montreal granite paving blocks, 8 in. to 12 in. x 6 in. x 4 1/2 in. per M.                     | 30 00   |          | unfading green                | 10 10       | 11 00          |
| Granite curbing stone, 6x 8 in. per lineal foot                                                |         | 50 00    | black                         | 9 00        | 9 00           |
| Buctouche Olive Freestone                                                                      | 85      | 70       | Ornamental Blue Slate Roofing | 13 00       | 11 00          |
| Olive Sandstone (Indian-town, N. B.)                                                           | 80      | 70       | <b>PORTLAND CEMENT.</b>       |             |                |
| Brown Sandstone (Sackville, N. B.)                                                             | 80      | 70       | English—                      | To onto     | Montreal.      |
| Moat red sandstone, per cu. ft.                                                                |         | 60       | Brook's Shoobridge Anc        | 35 40       | 2 00 2 10      |
| Black Pasture buff stone per cu. ft.                                                           |         | 70       | Acclair Brand                 |             | 2 10           |
| Nova Scotia blue grey per cu. ft.                                                              |         | 50       | "Castle" Brand                |             | 2 10 2 15      |
| Footings, 6 to 10 in. wide, per cubic foot                                                     |         | 15       | "Jossion" Brand               | 2 60 2 70   | 2 30 2 45      |
| Dimension Stone, F. O. B. St. Mary's, per cubic foot                                           |         | 35       | "North's Condor               | 2 40 2 0    | 2 10 2 15      |
| Granite (Laurentian Pink) Ashlar 6 to 2 in. rise 9 in., per c. ft.                             |         | 40       | Cathedral                     | 2 35 2 50   | 2 00 2 10      |
| Dimension Stock Granite (Laurentian Pink) for building purposes, per c. ft., f. o. b. quarries |         | 70       | "White Cross"                 | 2 20        | 1 85           |
| Do. for polishing purposes, up to 2 tons weight, per cubic foot                                |         | 1 00     | Atlas                         | 2 25 2 35   | 2 10 2 25      |
| Paving sets, per thousand block                                                                |         | 60 00    | Hammer                        |             | 1 80 1 90      |
|                                                                                                |         |          | Red Cross Brand               |             | 1 90           |
|                                                                                                |         |          | Waterloo                      |             | 2 0            |
|                                                                                                |         |          | Ravel's 3 1/2 lb. ball        |             | 2 20           |
|                                                                                                |         |          | Levie Bros.                   |             | 2 50           |
|                                                                                                |         |          | White Star                    | 2 25 2 55   | 1 90 2 30      |
|                                                                                                |         |          | German—                       |             |                |
|                                                                                                |         |          | Offen-acher Brand             | 2 80 2 90   | 2 30 2 45      |
|                                                                                                |         |          | Dyckerhoff                    | 2 60 2 70   | 2 40 2 50      |
|                                                                                                |         |          | Karlstadt                     | 2 80 2 90   | 2 40 2 50      |
|                                                                                                |         |          | Heemmoor                      | 2 30 2 90   | 2 40 2 50      |
|                                                                                                |         |          | Cannon                        | 2 40 2 50   |                |
|                                                                                                |         |          | Heidelberg                    | 2 30 2 40   |                |
|                                                                                                |         |          | Canada—                       |             |                |
|                                                                                                |         |          | Rathbun's Star                | 1 50 2 10   | 2 40 2 50      |
|                                                                                                |         |          | Ensign                        | 1 70 1 90   |                |
|                                                                                                |         |          | Citadel                       | 2 00        | 2 00 2 00      |
|                                                                                                |         |          | Trowel                        |             | 1 75 1 80      |
|                                                                                                |         |          | Sansom Brand                  | 2 00 2 05   |                |
|                                                                                                |         |          | Magnet                        | 1 1 80      |                |
|                                                                                                |         |          | Monarch                       |             | 2 30           |
|                                                                                                |         |          | Hercules                      |             | 2 00           |
|                                                                                                |         |          | Lion Brand                    |             | 1 75           |
|                                                                                                |         |          | Imperial                      |             | 1 80           |
|                                                                                                |         |          | Crescent 375 lbs. gross       | 2 30 2 40   | 1 95 2 05      |
|                                                                                                |         |          | Diamond 350 "                 | 2 20 2 30   | 1 85 1 95      |
|                                                                                                |         |          | American                      |             |                |
|                                                                                                |         |          | Alpha Brand                   | 1 80 1 90   | 2 20 2 30      |
|                                                                                                |         |          | Alsen's                       | 2 40 2 00   | 2 25 2 35      |
|                                                                                                |         |          | Lenigh, in bbl., 375 lbs.     |             | 2 00           |
|                                                                                                |         |          | " cotton sacks, 250 net       |             | 2 50           |
|                                                                                                |         |          | " open bags                   |             | 2 10           |
|                                                                                                |         |          | Keene's Superfine 'Whites'    | 10 00 12 00 | 9 00 10 00     |
|                                                                                                |         |          | Keene's Course 'Whites'       | 6 50 7 00   | 5 50 5 00      |
|                                                                                                |         |          | Fire Bricks, Newcastle, per M | 27 00 32 00 | 18 00 22 00    |
|                                                                                                |         |          | Scottish                      | 26 00 33 00 | 19 00 23 00    |
|                                                                                                |         |          | Plaster, Calced, N. R.        |             | 2 00           |
|                                                                                                |         |          | " " N. S.                     |             | 2 80 1 85 2 00 |