

CONTRACTS OPEN.

WATERLOO, QUE.—The erection of a piano factory is proposed.

CALGARY, N. W. T.—A site has been granted the C. P. R. for the erection of workshops.

LETHBRIDGE, N. W. T.—A hospital is to be erected here, at an estimated cost of \$10,000.

GUELPH, ONT.—Plans for a new church have been approved by the congregation of St. James church.

VICTORIA, B. C.—The preliminary steps have been taken towards establishing the University of British Columbia.

PERTH, ONT.—It is proposed to extend the Brockville, Westport and Sault Ste. Marie railway through this town.

BROCKVILLE, ONT.—It is proposed to erect a new Separate school in connection with St. Francis Xavier church.

PORTAGE LA PRAIRIE, MAN.—The Council will erect a second water tank in the west end for fire protection purposes.

KINGSVILLE, ONT.—The Town Council has granted a loan of \$15,000 to enable the Citizens Gas Company to pipe the town.

MARKHAM, ONT.—The Council is trying to dispose of \$30,000 worth of debentures with which to construct water-works and electric light systems.

NANAIMO, B. C.—At the regular annual meeting of the shareholders of the Nanaimo water-works it was decided to extend the mains around the city.

DARTMOUTH, N. S.—As all the tenders received for the construction of new school buildings in the north end were considerably above the estimated cost, the awarding of the contracts has been deferred, and the architect will be asked to make such alterations in the plans as will reduce the cost.

OTTAWA, ONT.—The preliminary survey has been commenced of that portion of the Ottawa, Arnprior and Parry Sound railway between this city and Arnprior, leaving when completed only 100 miles to finish the survey of the whole line.—The Marine Department is asking for tenders for the erection of a fog alarm building at Long Point, Lake Erie.

GANANOQUE, ONT.—Mr. Chas. Macdonald, a celebrated engineer, of New York, who is a native of this town, has offered a handsome donation towards the erection of a Mechanics' Institute building to contain a library, reading rooms, gymnasium, bowling alley, billiard room, etc.—The citizens have voted in favor of the construction of water-works.

WINNIPEG, MAN.—A survey is to be immediately commenced of the proposed Winnipeg and Duluth railway.—The city invites tenders until noon of the 15th October, from parties desiring to construct the works necessary to make available the water power of the Assiniboine river, and to own the works and power, subject to a minimum of 400 horse power required by the city of Winnipeg for water-works and electric light purposes.

W. TORONTO JUNCTION.—It has been decided by the Council to carry out the engineer's recommendation for the grading of Pacific Ave., between Dundas St. and Humber side Ave.—Mr. Kuickling, the Sanitary Engineer, states that owing to an insufficiency of levels, he is not in a position to give any definite decision on the sewerage question at present.—A by-law appropriating \$15,000 for electric light will be voted on by the ratepayers Oct. 14th.

COLLINGWOOD, ONT.—The plans for the new town hall recently destroyed are being altered somewhat, and when approved tenders will be asked for the reconstruction of the building.—The Corporation is seeking to have an Order-in-Council passed by the Provincial Secretary, empowering the Council to issue debentures to the amount of \$25,000 to raise money for the extension and

improvement of the water works system. The Provincial Secretary favors compliance with the request.

LONDON, ONT.—Tenders will be received by Mr. John M. Moore, architect, until 5 p.m. on the 24th inst., for the erection of a brick dwelling on Central Ave., for Mr. James M. Logan.—W. J. Reid, church warden, will receive tenders until Monday, Oct. 13th, at 5 p.m., for excavation and drainage work, rubble and cut stone work, carpenter and joiner work, painting and glazing, plastering, plumbing, steam heating and ventilating, roofing, etc., required in the restoration of St. Paul's cathedral.—The City Engineer will receive tenders until 6 p.m. on the 22nd inst., for a hot air furnace for the London jail.

MONTREAL, QUE.—A Sub-Committee of the Markets Committee has been asked to report on the subject of re-paving the western abattoir at St. Henri.—A sum will be placed in the estimates of the Markets Committee next year for the improvement of St. Lawrence market.—A petition will be sent to the Council asking for the widening of Notre Dame street.—A site has been purchased for a new Protestant church at Maisonneuve.—It is proposed to open up Atwater Ave.—Messrs. Kensil, G. Wray, Pitt, S. W. Pratt and John Godel, of this city, recently purchased land at St. Rose with the intention of erecting summer residences thereon in the spring.

KINGSTON, ONT.—The Collegiate Institute is so overcrowded as to render the erection of a new building absolutely necessary.—The trustees of Thousand Island Park have decided to replace the gas with electric light. Plans have been completed for a new chapel.—Mr. Newlands, architect, is preparing plans for a new Presbyterian mission church, to cost about \$2,000.—A report recommending that a suction pipe be laid and a filter purchased in connection with the water-works has been adopted by the Council. The estimated cost is \$25,000.—A Committee of the Separate School is looking for a suitable site in Rideau ward for a new school.

HAMILTON, ONT.—The following building permits have been granted: Henry Kuntz, house and stable near the corner of Bay and Market Sts. Probable cost, \$6,000; J. W. Simpson, 2-storey bk. storehouse, Rebecca St., cost \$1,800.—The promoters of the incline railway say construction will shortly be commenced.—The City Engineer has prepared a plan of the proposed changes in the sewerage system necessary on the construction of the T., H. & B. railway. The change will necessitate the building of about 2,000 feet of new sewer, and the cost will be about \$15,000.—The Street Commissioner will recommend that streets subjected to heavy traffic be paved with a harder description of stone than the macadam used at present.

TORONTO, ONT.—Mr. Dingman, soap manufacturer, is having plans prepared for a 5-storey block to be erected at the corner of Broadview ave. and Queen sts. It will include a bank and two stores, and will probably have a stone front.—A decision has not yet been reached by the Law Society with respect to the proposal to expend \$50,000 on the erection of a law school.—Tenders will be received by Knox & Elliott, Queen and Victoria streets, until noon on Oct. 1st for thorough carpenter work and constructional iron work for the Confederation Life Association's new building.—Property-owners in the east end have appointed a Committee to wait on the mayor and urge the speedy erection of the proposed high level bridge across the Don at King street.—The Fat Stock Association will ask the city to provide suitable accommodation for the stock show to be held this fall.—The sum of \$25,000 is said to have been subscribed by way of a bonus to assist the erection of a large hardware factory in East Toronto. The building is estimated to cost \$65,000.—The following building permits have been granted: E. Edwards, pair 2-storey and

attic bk. dwellings, east side Ontario St., north of Wellesley St., cost \$2,500; H. W. Petrie, 2-storey and basement bk. warehouse, south side Front St., west of York St., cost \$6,500; T. R. Labelle, pair s.d. 2-storey and attic bk. dwellings, west side of Euclid Ave., north of College St., cost \$5,000.—Plans have been prepared for the enlargement of the western cattle market.—The Public School Board will make an appropriation for a site and new school building in St. Mark's ward.

CONTRACTS AWARDED.

SHERBROOKE, QUE.—The contract for a new bridge of wood on stone foundation across the river at this place has been given to Mr. A. Codere, at the sum of \$5,320.

TORONTO, ONT.—The Harbor Commissioners have let the contract to Messrs. Medler & Arnold for the construction of a breakwater 350 feet long parallel with the Queen's wharf, at the sum of \$40,000.

CHATHAM, ONT.—Mr. Wm. Blight has been awarded the contract for the building of the engine house and engineer's residence for the new water-works.—The Chatham Gas Company have accepted the tender of the Royal Electric Co., of Montreal, for an incandescent electric plant.

LONDON, ONT.—The following tender of the Royal Electric Co., of Montreal, for electric lighting has been accepted by the Council: 44 miles of wire at \$165; poles, \$6; lamp, \$40; total cost of circuit, \$19,025; number of lamps, 240; cost of running, \$21,750 (old figures); total cost of electric plant, \$18,750; three boilers of 80 h. p. each; two engines aggregating 250 horse power—total cost, exclusive of buildings, \$44,525.

TEST FOR LINSEED OIL.

Linseed oil is of so much importance to the painter that it behooves him to make himself acquainted with the tests by which impurities may be discovered. The following, taken from an English journal, will be found to cover the subject:

Pure linseed oil is a yellow, oily liquid having a slight, peculiar odor, a bland taste and a neutral reaction. When exposed to the air, it gradually thickens, acquires a strong odor and taste, and finally solidifies. Its specific gravity is about 0.936. It is soluble in five parts of boiling absolute alcohol, and in fifteen parts of ether. It does not congeal above four degrees F. It imparts a yellow color to alcohol on being agitated with it, and yields with alkalies a very soft soap. In contact with fuming nitric acid it ignites; but when ignited with nitric acid of a specific gravity of 1.33, it turns green, and afterward brown. It is said that cod liver oil is sometimes used to adulterate linseed oil. The following test for this adulterate has been recommended: Take ten parts, by weight of the suspected oil; mix it in a small cylindrical glass tube with three parts of crude nitric acid; agitate the mixture well, and allow it to rest. If cod liver oil is present, the layer at the top will assume a dark brown or blackish brown color, while the acid at the bottom varies from bright orange to orange or dark yellow. If the oil is pure it becomes during the agitation first sea green and afterward dirty greenish yellow, the acid being bright yellow. As little as three per cent. of the cod liver oil can be detected by this method.—*Painters' Magazine.*