

CONTRACTS OPEN.

ARDEN, ONT.—A cheese factory will be erected here.

MAISONNEUVE, QUE.—Tenders are invited for the installation of an electric light plant.

NEPAWA, MAN.—Mr. C. H. Mathers has decided to erect a brick block on Hamilton street.

FREDERICTON, N. B.—Asphalt pavements are to be constructed on a number of the streets next year.

SARNIA, ONT.—A syndicate of capitalists propose erecting a four storey hotel here, at a cost of \$150,000.

LETHBRIDGE, N. W. T.—A by-law has been carried granting the sum of \$10,000 for local improvements.

LIVERPOOL, B. C.—The Great Northern Railway Company intend to construct a round house and machine shop.

WINNIPEG, MAN.—Work has been commenced on the erection of the Church of the Immaculate Conception.

MEAFORD, ONT.—A project is on foot to extend the railway from the station to the dock. The estimated cost is \$50,000.

DIGBY, N. S.—Mr. T. W. Longstaff is soliciting stock for the erection of a summer hotel, to cost in the neighborhood of \$35,000.

WINGHAM, ONT.—Plans have been prepared for a new brick block to be erected by Mr. H. W. C. Meyer. The buildings will be heated by hot air, and will have all modern conveniences.

EGANVILLE, ONT.—The members of St. James church intending erecting a monument to the late Rev. Father Byrne, to cost \$2,000.

REGINA, N.W.T.—The council has decided to erect a brick weigh house.—The reconstruction of the dam at the reservoir is being discussed.

GANANOQUE, ONT.—A company has purchased Slave Island, about four miles from this town, and intend erecting a fine hotel thereon.

RAT PORTAGE, MAN.—The Board of Trade have memorialized the Government to proceed at once with the improvements in the Rainy river.

FORT WILLIAM, ONT.—Tenders are called for the erection of the new Catholic church. The building is to be 40 x 80 feet, and to cost about \$6,000.

HALIFAX, N. S.—Mr. C. J. Wyldie will receive tenders until the 5th inst. for the erection of a stone church on the western side of the North-western Arm.

PICTON, ONT.—The sum of \$5,000 has been placed in the estimates of the Dominion government to cover the cost of site and preliminary expenses in connection with the erection of a post office here.

LONDON, ONT.—Tenders are invited for building a wooden approach to the McIntosh bridge, on the Thames river.—Mr. John Sussex is having plans prepared for the erection of two brick stores on Ridout street.

MONTREAL, QUE.—The Building Committee of the Zion Congregational church have been authorized to borrow the sum of \$3,000 for erecting class-rooms, etc.—The corporation of Cote St. Antoine will construct a sewer along the west side of Atwater street.

BROCKVILLE, ONT.—Plans are being prepared for the enlargement of the hotel at Westminster Park. The alterations will consist of the enlargement of the dining hall 60 x 40 feet, an addition of 90 feet west of the office and the raising of the main hotel building one storey.

HAMILTON, ONT.—It is stated that the Hamilton Street Railway Company will purchase the property on the corner of King and James streets, and transform the buildings into suitable offices.—Mr. W. J. Macdonald has obtained permission to build two brick houses on Main St., cost \$3,000.

WELLAND, ONT.—A Buffalo syndicate have purchased the property on which recently stood the Erie Beach hotel, together with considerable

adjacent property. The company propose to erect a large hotel and also spend the sum of \$5,000 in beautifying the grounds for a public park.—The sum of \$8,000 is to be expended on repairs to branches of the canal.

TORONTO JUNCTION, ONT.—The Safety Barb Wire Company have secured a site near the Barnum factory, and will shortly commence the erection of a factory, to be completed by the 1st of January, 1892.—An agreement has been entered into between the town and the Suburban Electric Street Railway Company. It is said the Edison Co. have taken some stock in the company and will construct lines on Dundas street, Humberstone avenue and Elizabeth street at once.

KINGSTON, ONT.—Mr. C. F. Gildersleeve, of the Kingston and Smith's Falls Railway Company, states that the company expect to commence the work of construction in the year 1892.—At a meeting of the directors of the North American Telegraph Company held recently, it was decided to immediately establish a line between Toronto and this city.—A large stone addition will be built to Mr. J. McLaughlin's store on Princess street.—Several summer residences are to be erected on Carleton Island.

VANCOUVER, B. C.—The William Hamilton Manufacturing Co. of Peterboro', propose to erect a foundry and machine shop at some point in this province.—An addition to the Vancouver hotel will be commenced in a few days.—A new depot will shortly be erected for the Canadian Pacific Railroad, to be four stories high, the two bottom stories of stone and the two upper ones of white brick.—Mr. Van Horne states that the following improvements will be constructed at an early date:—A pavement on Cordova street down to the station, and retaining walls on both sides of the street; a concrete wall up to low water mark, and the wharves to be extended as soon as the engineer has completed surveys.

TORONTO, ONT.—Messrs. Denson & King, architects, have prepared plans for alterations to the Custom House, at a cost of \$22,000. They have also prepared plans for a new observatory to be erected on the site of the old one in the Queen's Park.—Mr. F. H. Herbert, architect, has prepared plans for a doctor's residence to be erected on the corner of Dundas street and Dovercourt Road for Mr. Geo. Davie. The building will be of brick and stone, heated by hot air, with windows of British plate or stained glass. Probable cost, \$5,000.—W. C. Beddome, Chairman Property Committee of the High School Board, will receive tenders until noon on Monday, the 5th inst., for sodding, grading and gravel drives, concrete walks, slat walks and covered walks to the Harbor Street Collegiate Institute.—The first sod was turned a few days ago for the erection of a new Episcopal church in the parish of St. Cyprian.—The Council has decided to advertise for tenders for the reclamation of Ashbridge's Bay.—The authorities of Toronto University will shortly erect a new residence, convocation hall, and chemical laboratory.—A syndicate consisting of E. B. Osler, Hugh Ryan, H. S. Mara and P. Jamieson have purchased the Rosedale athletic grounds, presumably with the intention of reselling as building sites.—Messrs. Jackson & James, corner Bay and Richmond streets, want tenders for all trades except painting and plumbing for building rough-cast and brick houses.—It is expected that a satisfactory understanding will shortly be reached between the City Council and the Dominion Government, under which the enlargement of the western cattle market will be proceeded with.—The following building permits have been granted: W. Power, five att. 2-story and attic bk. dwelling, east side Tecumseth St., just north of Douro St., cost \$10,500; Richard Castle, 2-story bk. dwelling, 102 Cumberland St., 2-story bk. add. to No. 4, cost \$1,400; Geo. Rennie, 2 pr. s.d. 2-story and attic bk. dwellings, n. side First Ave., nr. Logan Ave., and 2 pr. 2-story h.f. dwellings, s.w. cor. Logan and First Ave., cost \$6,500; D. Carlyle, two 3-story bk. stores, n. side Queen St., nr. Seaton St., cost \$6,000; James Robertson & Co., 1-story and

basement storage warehouse, w. side Dorsett St.; E. Brooke, Victor Ave., nr. Logan Ave., pr. s.d. 2-story and attic bk. dwellings, s. side Victor Ave., cost \$4,000; Rogers Bros., pr. 2-story h.f. dwellings, e. side Sword St. nr. Gerrard, cost \$2,000; M. Johnston, det. 2-story b.f. dwelling and r.c. stable, rear n. side Garden Ave., cost \$1,600; W. C. Stratten, additions to 446 Queen St. west, cost \$1,500.—Mr. Watson, of Markham St., through Alex. Maclean, estate broker, has purchased part of lot 24, plan No. 104, on the east side of Brunswick Ave., on which he intends erecting a fine residence.

FIRES.

The residence of Mr. J. C. Hope, at Burlington, Ont., was burned on the 26th of September. Loss, \$2,500.—A brick house and outbuildings belonging to Mr. Wm. Ingram, at Omemece, Ont., were destroyed by fire on the 29th of Sept.—Hillard's shingle mill at Peterboro', Ont., was burned on the 28th inst. Loss on building and machinery, \$2,500.—A. H. Houghton's grocery store at Alexandria Bay, Ont., was destroyed by fire recently. Loss, \$4,000.—A brick house belonging to Mr. Phineas Kinsey, at Avlmer, Ont., was recently destroyed by fire.—The mill of the St. Lawrence Co. at Bathurst, N.B., was burned on the 24th Sept. Loss, \$20,000.—At Halifax, N. S., on the 1st inst., fire destroyed Merlin's planing mill, J. Taylor & Co.'s fish warehouse, Brookfield Bros' lumber warehouse and yards, Butler's spar yard, B. Swinerton, millers' agent; Halifax broom factory; B. Neilly & Co., commission merchants; Shaford Bros., oil dealers; Shafner & Co., sail makers; John Cronan, grocer; C. E. Creighton & Co., wholesale grocers; Miss Regan, store; John V. May, store; Hannah Kints, residence; D. J. Forbes, store; John E. Butler, T. A. S. De Wolfe & Son, John Brommitt, residences; American Metal Co., office; Edward Heany, residence; J. T. & T. W. West, wharf and stores; Donald D. Walker, boarding houses; Cronan, wharf; Liverpool wharf, De Wolfe's wharves; Hamilton's wharf.

CONTRACTS AWARDED.

DUNNVILLE, ONT.—Mr. Miles Hunting, of Hamilton, has secured the contract for the building of the new waterworks. The contract price is \$10,531.

CHATHAM, ONT.—Mr. Wm. Blight has the contract for the erection of the new General Hospital on the site of the former residence of Mr. C. E. Pegley. Mr. J. L. Wilson is the architect.

WINDSOR, ONT.—The following tenders were received for the new pump for the waterworks: Kerr Bros., Walkerville, \$9,990; Worthington, New York, \$12,250; Inglis & Hunter, Toronto, \$9,850; Blake, New York, \$14,185; Knowles & Co., Boston, (A) \$13,835; (B) \$13,795. The commissioners accepted the tender of Kerr Bros.

TORONTO, ONT.—The Separate School Board has accepted the following tenders for the erection of a school in St. Helen's parish: Herbert & Murphy, mason and brickwork, \$3,789; John Hanrahan, carpenter work, \$2,200; W. J. Hynes, plastering work, \$470; Douglas Bros., galv. iron work, \$220; Duthie & Son, slating work, \$208. Keith & Fitzsimmons, plumbing, \$99; J. P. Finnigan, painting, \$295; Smead-Dowd Co., heating, etc., \$980.

Experiments on the actions of different oils on metals show that bronze is much corroded by linseed oil, slightly by olive oil and not at all by colza oil, and that for lead the safest lubricant is olive oil, and the worst whale oil.

The *Journal du Gaz et de l'Electricite* refers to white-wood paste joints for steam pipes. The paste is made up into rings, which, being immersed in linseed oil, swell rapidly, and after being put in position they form tight joints.