

## CONTRACTS OPEN.

**NAKANIMO, B. C.**—Mahrer's brewery will be extended and improved.

**FORESTER'S FALLS, ONT.**—The Methodists have purchased a site for a new church.

**ORILLIA, ONT.**—Plans have been prepared by Mr. Wm. Dunn for a dwelling for the Rev. Geo. Grant.

**CALGARY, N. W. T.**—A by-law has been carried authorizing the construction of a system of sewerage.

**RIDGETOWN, ONT.**—The question of introducing the incandescent electric light is under consideration.

**VICTORIA, B. C.**—Thirty acres of land facing Royal Roads have been offered as a site for the proposed University.

**HAMILTON, ONT.**—The street railway authorities say they will be compelled to adopt electricity as the motive power.

**SIMCOE, ONT.**—Mayor Luscombe has purchased a site upon which he proposes to erect a handsome brick residence.

**QUEBEC.**—Owing to frequent breaks in the main water pipe in the upper town, the Council is being urged to lay a new main.

**LONDON, ONT.**—The City Engineer will receive tenders until the evening of Oct. 2nd for block paving Richmond St., from Fullerton to Ann Sts.

**SPRINGHILL, N. S.**—There is to be another public meeting of the ratepayers with reference to water-works. Considerable interest is being manifested in the subject.

**CARLETON PLACE, ONT.**—A site has been surveyed and plans prepared for a new post office, 45 x 48 feet, two stories. It is understood the Government in a few days will call for tenders for its erection.

**W. TORONTO JUNCTION.**—The Toronto Rolling Mill and Forge Co., and an American Motor Sewing Machine Company will probably erect factories here.—The Congregationalists will organize a church here.

**ST. THOMAS, ONT.**—The Grand Trunk authorities state that it has been definitely decided to build the line between Glencoe and Watford, it having been made imperative by the construction of the St. Clair tunnel.

**PETERBORO' ONT.**—Plans are being prepared at Syracuse, the headquarters of the Edison Electric Company, for the new works to be erected here. The contract for the work of construction will be let almost immediately.

**PENETANGUISHENE, ONT.**—The town clerk will receive tenders until October 1st for the construction of water works. Plans, etc., at the office of John Galt, 53 King St. East, Toronto. Mention the CONTRACT RECORD when tendering.

**BARRIE, ONT.**—Mr. James Cheeseman is about to build a double brick residence near the Agricultural Park.—A movement is on foot for the erection of a public hospital. A public meeting of citizens was held yesterday to consider the matter.

**CLINTON, ONT.**—An offer has been received by the provisional directors of the Huron and Ontario Railway Co. from Toronto parties to take over the charter and construct the road from Hamilton to Goderich, via Listowel. The directors are disposed to accept the offer.

**ST. CATHARINES, ONT.**—It is the intention of the trustees of Separate Schools of the town of Thorold, to erect a 2-storey brick addition, at an estimated cost of about \$2,500. Materials required: lumber, stone, brick, finishing, tin work, plastering, &c. Mr. W. B. Allan, architect, St. Catharines, is in charge of the work.

**MOTNRREAL, QUE.**—The Roads Committee has recommended the widening of Bleury St., Inspector St., Viger Square, and Cathedral St.—Messrs. Taylor & Gordon, architects, have been commissioned to superintend the repainting of the spire of Christ Church Cathedral.—The old Trappeur Club House on St. Elizabeth St. will

be converted into a free school by the Hebrew Young Men's Society.—Messrs. H. Ives & Co. have had plans prepared for the rebuilding upon an enlarged scale of that portion of their hardware and stove works recently burned at Longueuil.—The Harbor Commissioners and the City Council propose to erect a new ramp at Hochelaga.

**OTTAWA, ONT.**—The Howland Electric Railway Syndicate invite tenders for the supply of materials and laying of rails. It is estimated that the construction and equipment of the first six miles of track will cost about \$150,000.—The Government are having new plans prepared for the proposed monuments to be erected on Canadian battle fields in commemoration of the war of 1812. The necessary appropriation was made by Parliament last session. The first monument will be erected at Lundy's Lane, Niagara, to be followed by a memorial of Champlain in Montreal.—The Secretary of the Department of Public Works will receive tenders until Monday, Oct. 6th, for the several works required in the erection of a post office at St. Henri, Que., specifications to be seen at the Department, and at the office of A. Raza, architect, Montreal.

**TORONTO, ONT.**—A Committee of the Board of Management of the Boys Industrial School has recommended the expenditure of \$2,000 for drainage purposes; new work rooms and laundry at a cost of \$5,000, and alterations in the kitchen to the extent of \$500; erection of two cottages.—The promoters of the proposed Industrial School for girls have appointed a deputation to ask the Ontario Government to donate 25 acres of land at Mimico as a site, and make a grant of \$20,000 in aid of the institution.—Plans are being prepared for the new engine house to accommodate the new water engines which the water-works department propose to purchase.—Steps are being taken towards the erection of a steel bridge on Glen avenue, across the ravine, immediately south of Mount Pleasant Cemetery.—The Water-Works Committee will ask the Lieut.-Governor's authority to expend \$180,000 in the construction of new mains.—The City Engineer recommends the construction of the following works: The extension of Wood street from the east side of Mutual street to Jarvis street; asphalt pavement on Palmerston avenue, at an estimated cost of \$8,000, the work not to be done until next year; a cedar block pavement on Vermont avenue, at a cost of \$4,290; the extension of Regina avenue as a 60-foot street, between Sumach street and River street, at a cost of \$17,645; a six-foot Eureka sidewalk on the west side of Jordan street.—An agreement is said to have been reached by the G. T. R. and C. P. R. for the erection of a new Union depot.—The Collegiate Institute Board have recommended the purchase of 120 new desks.—The following building permits have been granted: H. T. LeFroy, 2-storey and attic bk. dwelling, corner Walmer Road and Castle Ave., cost \$6,500; Rogers Bros., 3-storey and attic bk. dwelling, south side Wilton Ave., near Seaton St., cost \$7,500; Public School Board, 3-storey bk. school, corner Church and Alexander Sts., cost \$28,000; Thos. Rickard, pair 2-storey and attic bk. dwellings, 306-8 Bathurst St., cost \$4,000; Alex. H. Reed, pair 2-storey and mansard bk. stores, 117-19 Carlton St., cost \$7,000; Isaac Lavine, pair 2-storey and attic bk. fronted dwellings, 107-9 Oxford St., cost \$2,300.

## CONTRACTS AWARDED.

**ST. CATHARINES, ONT.**—Mr. W. B. Allen, architect, has accepted the following tenders: For all the works except heating for a two-storey brick school building, four rooms, for St. George's Ward, Newman Bros., \$5,500; all works required in erection of a brick addition to the factory of the McKinnon Wash and Hardware Company, George Wilson, \$4,000; for all work except heating for brick Sabbath School building adjoining St. Paul street Methodist Church, George Wilson,

\$6,000; steam heating (including church building) Chatfield & Neelon, \$2,600.

**TORONTO, ONT.**—Mr. E. J. Lennox, architect, has accepted the following tenders: For alterations of three houses on St. Patrick street, for the Johnston Estate; excavator, drainage, mason and bricklayer, Howell & Thomas, \$875.00; carpenter and joiner, Clarke & Son, \$1,100; roofer, Duthie & Son, \$443; plasterer, F. Beaver, \$153; painter and glazier, F. E. Philip, \$220; plumbing, Keith & Fitzsimmons, \$486; heating, Keith & Fitzsimmons, \$345; tinsmith, Baird Bros., \$60. Large verandah to residence on Jarvis street for Mr. P. Long: Excavator, drainage, mason and bricklayer, W. Page, \$2,400; carpenter and joiner, Moir & McCaul, \$3,100; roofer, H. Williamis, \$350; painter and glazier, M. O'Connor, \$500. Residence on Dowling Ave. for G. N. Reynolds: Excavator, drainage, mason and bricklayer, Dunkley & Son, \$1,780; carpenter and joiner, Parkdale Lumber Co., \$1,400; painter and glazier, C. Davis, \$360; plumbing, Purdy & Mansell, \$225.—The Board of Works has recommended the acceptance of the following tenders: Sewers—Battye street, Broadview ave. to Bowden street, J. H. McNight, \$2,181; Royce street, Perth to Symington avenue, C. H. Clark & Co., \$4,290; Curzon street, Queen to Sprout avenue, C. H. Clark & Co., \$3,930; Howard Park ave., Dundas to Roncesvalles avenue, J. J. Booth, \$2,721; Christie street, present terminus to northern city limits, John Farley, \$1,843; Radcliffe avenue, Queen to Eastern ave., J. H. McKnight, \$1,453; Davenport road, Yonge to Hazelton ave., C. H. Clark & Co., \$11,575. Cedar pavements, Prizel avenue, Carlaw to Pape ave., Callagher & Gibson \$1,840. Stone flagging—Yonge street west, Queen to College, McKeown & Challis, \$4,73½ per lineal foot. Granolithic—Spadina avenue, east Queen to Grange road, R. Forsyth, 16 feet wide, \$7.10 per lineal foot. Eureka sidewalk—Jordan street, west of Wellington street to King street, Gardner & Co., six feet six inches wide with four inch kerb, \$2.17 per lineal foot.

## CREOSOTING OF WOOD.

The practice of the Eastern Railway Company, of France, in creosoting sleepers is described in a recent issue of *Revue Generale des Chemins de Fer*. Sleepers as delivered are stacked and seasoned in the open air. They are then adzed and bored by a special machine, loaded on trucks, and run into a drying oven, where they remain 24 hours or more. After drying at a temperature of about 176° Fah., they are run into a metal cyclinder, 6 feet 3 inches in diameter and 36 feet long, which is hermetically closed. The air is then exhausted, and a partial vacuum is maintained for about half an hour. Communication is then opened with dead reservoirs of dead oil, which is allowed to flow in at a temperature of 176° Fah., under pressure. When the oil ceases to flow under moderate pressure, it is forced in by a pump up to a pressure of 83 lbs. per square inch, and this pressure is maintained for an hour or an hour and a quarter. Communication with the oil reservoirs is then opened again, and the excess of oil not absorbed by the timber flows back into the reservoir. The cylinders hold 168 sleepers each. The quantity of oil absorbed is measured by determining the difference in volume of the oil before and after operation. The wood used is principally oak and beech. The oak sleepers absorb from 2.4 to 2.7 quarts per cubic foot; beech sleepers, from 8.7 to 10 quarts per cubic foot. The whole operation takes about four hours. This method of treatment has been practised by the company since 1865, with, it is stated, very good results. After fifteen years of service the sleepers taken out have been fifteen per cent. for creosoted oak and 50 per cent. for creosoted beech.