

CONTRACTS OPEN.

STRATFORD, ONT.—A 30,000 bushel elevator is to be erected here.

WELLINGTON, B. C.—It is probable that an hospital will be erected here.

CHATHAM, ONT.—The council are considering the construction of a sewerage system.

ALLISTON, ONT.—The citizens are discussing the question of a system of water works.

MONTREAL JUNCTION, QUE.—The Methodists are looking for a site on which to erect a church.

ST. THOMAS, ONT.—Engineers are surveying for the proposed extension of the Walkerville railway.

EDEN, ONT.—At a public meeting held recently, it was decided to erect a Foresters' Hall, 40 ft. x 60 ft.

BATH, ONT.—Mr. Parrot has offered twenty acres of land and \$1,000 towards the erection of a county poor house.

BRANTFORD, ONT.—At a recent meeting of the W. C. T. U., it was decided to erect a large temperance hotel, at a cost of \$15,000.

TORONTO JUNCTION, ONT.—The council are considering the construction of a sewer on Ontario street, at an estimated cost of \$5,000.

HAMILTON, ONT.—The property owners on Elizabeth street have petitioned the council to have a sewer constructed on said street at once.

SARNIA, ONT.—The ratepayers will vote on a by-law on the 2nd of January to expend the sum of \$15,000 on the extension of the water works.

VICTORIA, B. C.—The Phoenix Brewing Company have applied for incorporation, with the object of establishing a brewery. The capital stock is \$50,000.

WATERLOO, ONT.—The Waterloo Gas Company have decided to put in an electric light plant for arc and incandescent lighting for streets, shops and residences.

ARNPRIOR, ONT.—The residents and council are discussing the project of obtaining their water supply from a neighboring spring. The scheme would cost about \$30,000.

NESBITT, MAN.—Mr. Wm. Allport will shortly commence the erection of a residence on Sherman street.—Mr. James Crosby contemplates erecting a building to be used as stores.

MONCTON, N. B.—The public are agitating for the construction of a railway and carriage bridge over the Petitcodiac river to replace the highway bridge recently destroyed by floods.

PETERBORO, ONT.—The Edison Company have been granted the franchise for the electric railway.—The council have decided to engage Mr. Alan Macdougall, of Toronto, to report on a sewerage system for the town.

NOXWOOD, ONT.—Mr. W. H. Stephenson, Secretary Board of Education, will receive tenders until the 1st January, 1892, for the erection of a new High School building. Plans and specifications at the office of the Secretary.

ST. ANDREWS, N. B.—The New Brunswick Red Granite Company are making arrangements for laying a track from their quarries at St. George to the "Red Store," near the mouth of the Magaguadavic river. The distance is about four miles.

SHERBROOKE, QUE.—The E. T. Corset Company are applying to the council for a bonus of \$15,000 to aid them in extending their works.—Mr. Lemaire has prepared plans for a new block to be erected in the spring for Mr. F. Codere. The buildings will have cut stone fronts, and be three stories high.

WINNIPEG, MAN.—The Great Northern Railroad Company has just awarded the contract for the last 200 miles of its extension to the Pacific coast. The road will cross the Columbia river at Wenatche, where a bridge 3,200 feet long will be built, at a cost of \$300,000, and just east of that point a tunnel 3,000 feet long will be constructed.

SPRINGHILL, N. S.—As will be seen by the notice to contractors in another column, bids will

be received up till the 31st of January, 1892, for the construction of waterworks at Springhill, N. S. The sewer is about seven miles distant from the town, where a dam thirty feet high will be built of earth with core of masonry, with about five miles of distributing pipes through the town. 26 hydrants will be placed in different parts of the town. The main pipe is 12 and 14 inches internal diameter. In all about 1,900 weight of pipe will be used besides special castings.

MONTREAL, QUE.—W. J. Thomas, architect, is preparing plans for a coach house and stable for Mr. D. McIntyre, to cost \$25,000.—The city council have appointed a committee to report on the most suitable site for the erection of incinerators, at a cost of \$20,000.—The sum of \$60,000 has been appropriated by the council for improvements on Pine Ave. and Commissioner St., and \$10,000 for grading and paving Atwater Ave. from Notre Dame St. to St. Catherine St.—The trustees of the Roman Catholic parish of Hochelega will apply to the legislature for authority to change the mode of assessment to complete the erection of the parochial church.

OTTAWA, ONT.—The Department of Public Works is calling for tenders for the construction of a powder magazine for the barracks of the Mounted Infantry School corps, Winnipeg, Man.—Mr. Devlin, chief engineer, and Mr. Adams, clerk of works, have been instructed to report on the best means of disposing of the sewage of the Kingston Penitentiary.—The Deputy-Superintendent of Indian Affairs has given notice that the time for the reception of tenders for the erection of a stone church on the Cape Croker Indian Reserve, County of Bruce, has been extended until the 19th day of January, 1892.—The Gaol and Building Committee have recommended that the goal building be lighted with electricity.—T. Trudeau, Acting Secretary Department of Railways and Canals, will receive tenders until Tuesday, 19th January, for the several works connected with the construction of sections No 11, 12 and 13 of the Soulanges Canal, situated between the village of Cote du Lac and Coteau Landing, P. Q. Plans at engineer's office, Coteau Landing, and at the above Department.

TORONTO, ONT.—The tenders for the erection of an isolated hospital have been found to be too high, the lowest bulk tender being \$6,000. A committee has been appointed to revise and modify the plans, and new tenders will likely be called for.—The Court of Revision has confirmed the assessment for a cedar block pavement on Halton street.—Mr. S. H. James is contemplating the erection of an eight-story building at the north-east corner of King and Yonge streets.—The City Engineer has been instructed to report on the advisability of extending the street railway from Dufferin street to High Park, via Duncan street and Roncesvalles avenue.—The Board of Works have adopted the recommendation of the City Engineer that a tamarac pavement, with concrete foundation, be laid on Roxborough avenue, at a cost of \$15,000.—Mr. J. J. Wright, manager of the Toronto Electric Light Company, is preparing plans for a new building and chimney which the company will erect under his direction on their water lot adjoining their present building. The new building will be same size and construction as present station. The chimney will be 12 ft. square and 120 ft. high. Seven hundred additional horse power will be added to the present steam plant.—Mr. H. Crewe, civil engineer, Canada Life Building, will receive tenders until January and for the erection of a grand stand and fences on the new grounds of the Toronto Lacrosse and Athletic Association, Rosedale.—Building permits have been granted as follows: King & Roberts, four s. d. 2-storey and attic bk. dwellings, s. e. corner Dovercourt road and Hepbourne st., cost \$15,000; Mrs. Sarah Kyle, five det. 2-storey and attic bk. dwellings, e. side Cowan ave., s. of King st., cost \$22,500; R. A. Graydon, det. 2-storey and attic bk. dwelling, w. side St. George st., cost \$9,000; D. M. Defoe, 4-storey bk. addition to factory, 107 Adelaide st. west, cost \$7,000; H. & E. Hudson,

eight att. 3-storey bk. stores, cor. Queen st. and Dovercourt road, cost \$30,000, James Hurst, two s. d. 2-storey and attic bk. dwellings, n. side Macpherson ave., cost \$4,000.

FIRES.

The Notre Dame Institute on Bond street, Toronto, was damaged to the extent of \$3,000 on Monday last.—Hemming's flour mill at Goderich, Ont., was destroyed by fire on Tuesday last. Loss \$6,000; insurance \$1,200.—The Union hotel and two residences at Buctouche, N. B., were burned on the 22nd inst. Loss \$6,000; small insurance.—The barns and outbuildings of J. H. Ferris, Bath, Ont., were burned on the 18th inst. Loss \$8,000; insurance \$4,400.—James Edmondson's saw mill at Ulmhoft, Ont., was burned on the 20th inst. Loss \$3,500; partially insured.—The dwelling house of John Platzir, Blyth, Ont., was burned on the 17th inst.—The premises of Christopher Brodeur, 4 Bouscquet St., Montreal, was damaged to the extent of \$11,000 recently. Insurance \$6,000.—Wentby's grist mill near Rockford, Ont., was burned on the 19th inst. Loss \$5,000.—The Roman Catholic Cathedral at Aylmer, Que., was damaged to the extent of \$2,000 on the 20th inst. Loss covered by insurance.

CONTRACTS AWARDED.

HALIFAX, N. S.—The Nova Scotia Telephone Co. have awarded the contract for their new building to Messrs. Rhodes, Curry & Co., of Amherst. The building is to cost \$25,000. J. C. Dunaresq, architect.

RIPPING UP SLABS OF STONE.

French ingenuity has contrived an improved stonecutting saw of remarkable efficiency—a circular saw having its edge set with black diamonds in the same way as the straight blades, but as the strain on the diamond is all in one direction, the sitting can be made much firmer. Moreover as the movement of the circular saw is more rapid than that of the straight one, the effect of the diamond teeth is increased by the force of the impact upon the object to be cut without the exertion of more power in propulsion.

In order to keep this kind of saw at starting in perfect plane, it is made to revolve between two pairs of guides, but as soon as the cut in the stone is deep enough to serve as a guide the temporary ones are moved, the consequence of this management being that the cut surfaces of the stone, instead of being wavy, so as to require subsequent dressing to a plane surface, are straight and smooth, lacking only to be polished. The stone to be cut is pushed against the saw by a carriage similar to that used in sawing wood, and the rapidity with which it is divided is very great. At one establishment where two saws are in use, the green Alpine granite is sawed at the rate of nearly an inch a minute, hard marble at three inches a minute, and marble of moderate hardness, also hard limestone, four inches a minute.

Webber & Ledrew, builders, Toronto, have assigned.

Terra-cotta tiling weighs from twenty-five to thirty-five pounds per square foot.

As a cement for stones, Dutch tiles, etc., which come in contact with warm water, a mixture of 8 parts by weight of tallow and 5 parts by weight of lime is used in Turkey. Before use, the cement must be heated.