

Brockville.—J. S. J. Routhier is the architect of the new stone addition to be built on the convent of the Sisters of the Good Shepherd. It will be 108x89 feet, five stories, and will cost \$35,000.—Major R. McLennan, M. P., for Glengarry, interviewed the Minister of Justice on Tuesday last regarding the commencement of operations on the new Dominion Reformatory to be built at Alexandria. He received assurances that plans would be prepared at once and the work carried out as rapidly as possible.

MONTREAL, QUE.—S. Davis & Sons, cigar manufacturers, of Montreal, are considering the erection of a factory in Maisonneuve, and are asking the council for a bonus of \$50,000. A free site and exemption from taxation for twenty years has been offered.—The Committee appointed to select a site for a permanent fever hospital have recommended two sites, the Gaultant & Brosseau property at the city limits. The Board of Health will inspect the sites.—At the last meeting of the Roman Catholic School Commissioners, a letter was read from Cure Larocque, of St. Louis de France, asking for an annual subsidy of \$600 for fifteen years to meet the interest on the cost of erecting a new girls' school building. Dr. Brennan & Desjardins were appointed to visit the school and report.—The National Bridge Co. invite engineers and bridge builders to submit plans and estimates for the steel bridge across the St. Lawrence river at Montreal. The outline of the bridge shows one cantilever span 1,250 feet, two side 500 feet each, 15 viaduct spans, 250 feet each, and 18 viaduct spans 240 to 50 feet each. Original designs are invited. The first prize will be \$1,000 and the second \$500. The time for receiving plans is fixed at the 15th of May, to be addressed to the Secretary of the company, Robert Watson, 17 St. James street.

TORONTO, ONT.—The Rubber Shoe Company, of Toronto, whose factory at present is at Port Dalhousie, proposes to remove to a more convenient location for the transaction of business and contemplates erecting a new factory, probably in Toronto. Mr. C. C. Van Norman, of Harvey & Van Norman, is interested in the company.—Mr. Emerson Coatsworth, M. P., last week consulted with the Public Works Department at Ottawa, regarding the proposed improvements at Toronto Harbor. It is asked that a breakwater be constructed or groins built westward to keep the lake from cutting into the sand of the island. The department is gathering all possible information and will bring the subject before Parliament.—The appointment of Mr. Frank Turner, C. E., of Braconville, as chief engineer of the Cobourg, Northumberland and Pacific railway has been confirmed, and it is understood operations will be commenced early in the spring.—The disputes which have been pending for some time between the City Council and the C. P. R. in connection with the Esplanade improvement have been amicably adjusted, and the work will probably be pushed to completion at once.—In his address at the first meeting of the new Council, Mayor Kennedy points out the necessity for providing additional school accommodation, and estimates that the sum of \$50,000 will be required during the present year. He also urged the reconstruction at once of many miles of cedar block pavements, and favored the enlargement of the water main on Front street, and the laying of a new main from the intersection of Bathurst and College streets to Rosedale reservoir.—On Saturday last the property situated on the north-west corner of Queen and Terauley streets, 45x69 feet, was purchased by Mr. Alex. Manning. The opinion is advanced that a new office building will be erected on the property.—The John Perkins Co., consulting and manufacturing engineers, of this city, are designing machinery for the Dominion Placer Mining Co., for operation in British Columbia.—The Canadian Wire Mattress Company are about to rebuild their factory recently burned, and are asking exemption from taxation.—The scheme for the erection of

a new theatre at the corner of King and Frederick streets is advancing, and ex-Ald. Pells states that work will commence early in the spring. The cost will be about \$60,000.

FIRES.

The dry goods store of Isadore Gauthier at Three Rivers, Que., was damaged by fire recently to the extent of \$3,000. The loss is partially covered by insurance.—The large warehouse and grain elevator of R. S. Hodgins, of Lucan, Ont., were burned to the ground on the 17th inst. The loss will reach \$6,000; fully covered by insurance.—The residence of J. McKee, at Napanee, Ont., has been burned. Loss, \$1,600; covered by insurance.—The Maple Leaf hotel at Port Arthur, Ont., was destroyed by fire on the 22nd inst. Small insurance.

CONTRACTS AWARDED.

WINDSOR, ONT.—R. Thorn has been given a contract for a \$2,000 residence for John Williams.

TORONTO, ONT.—The tender of Smith & Wilson, for a sewer on Pears avenue, has been recommended for acceptance. Their price was \$6,150.

BELLEVILLE, ONT.—The contract for the erection of St. Andrews church has been let to Walter Alford, of this town. The price is about \$23,500. Messrs. Darling, Sproatt & Pearson, Toronto, are the architects.

SUDBURY, ONT.—At the last meeting of the Town Council, the contract for constructing a main sewer was awarded to Smith & Wilson, of Toronto, on condition that a satisfactory sale of the debentures be made before the 1st of February.

DARTMOUTH, N. S.—Work has been commenced on the Dartmouth branch railway, from Dartmouth to Windsor Junction, 10½ miles in length. The contract is let in two sections. Daniel McGregor of Big Brook, Pictou co., has been awarded the contract for the Dartmouth section; Thomas Cook, of New Glasgow, has secured the Junction section.

MONTREAL, QUE.—W. McLea Walbank, architect, has awarded contracts for a house, cor. University and Prince Arthur streets, for the Bagg estate, as follows: carpenter and joiners' work, R. Neville; plumbing and heating, Drapeau, Savignac & Co.; plastering, Decary, Decary & Beaudoin; painting, R. G. Farr. Same architect has awarded the contract for the decoration of Mr. S. Davis' house to Geo. S. Kimber. Messrs. Hausen, Tiesidder Wood have been awarded the contract for two self-contained residences, one for Mr. W. Petts and the other for Mr. W. Rowland, for all trades.

TENDERS FOR MAIN SEWER.

Editor CONTRACT RECORD.
SIR,—On the 17th inst. the Sudbury Town Council opened tenders for the construction of a main sewer as follows:

Smith & Wilson, Toronto.....	\$ 4,700.00
Burdett & Co., Collingwood....	6,390.00
Mr. Caffery, Sudbury.....	6,900.00
Thos. Clemow, Sudbury.....	8,000.00
A Toronto firm.....	13,731.00

The ditch is 24 feet deep, the lower half all quicksand, and all the bricks have to be imported.

NOTE.—This should be a golden opportunity to sell the "Contractors' Handbook."

Yours truly,
ONE OF THE TENDERERS.

MUNICIPAL DEPARTMENT.

A DEEPER PAVING BRICK.

Paving brick are now four inches deep. At a recent meeting of the Board of Public Works, of Cleveland, Ohio, it was decided that the brick as at present made is not deep enough, and about five inches would be the proper depth. Another inch, it is said would add nearly 50 per cent to the life of the brick. At the meeting of the Board of Works held last Monday, the secretary was directed to notify all brick makers that beginning next spring a greater depth of brick will be expected. The size will be 2½x8½x5 inches deep. This action was taken in order to avoid the "cornering" of brick by makers who would gain knowledge of the change to the disadvantage of others.—Clay Record.

THE CREMATION OF GARBAGE.

The Inventive Age notes that there are now fifty-five towns and cities in England which destroy their garbage and solid refuse by burning, using an average of ten furnaces each for that purpose. The combustion of the material is used for the generation of steam, by which the streets are electrically illuminated, and other cities are reported to be considering the propriety of reducing their municipal expenses by this means. The Livet, the latest introduced method, is stated to burn on an average three hundred and thirty-one pounds of rubbish per hour for each square foot of grate surface, with an evaporation of 4.08 pounds of water for each pound of rubbish consumed. In this way science is showing what profit there is in what has been regarded as waste and filthy, to be used in contaminating public drinking-water or getting rid of it some other way.

DEBENTURES PURCHASED.

WE will pay the highest price for MUNICIPAL DEBENTURES. We tender our services to those not having books to make for them the calculations necessary when issuing debentures payable in annual instalments. JEMILIUS JARVIS & CO. (Member Toronto Stock Exchange), 23 King St. W., Toronto.

DEBENTURES WANTED.

Municipalities issuing debentures, no matter for what purpose, will find a ready purchaser by applying to G. A. STIMSON, 9 Toronto Street, Toronto. N.B.—Money to loan at lowest rates on first mortgage.

GEO. WHITE-FRASER

C.E., D.T.S., A. AM. INST. EL. ENG.

CONSULTING ELECTRICAL ENGINEER
Electric Railways and Electric Light.
SPECIALTY: Specification and Superintendence of MUNICIPAL PLANTS.
18 Imperial Loan Building - TORONTO

J. M. SHANLY

M. CAN. SOC. C. E. M. AM. SOC. C. E.

CIVIL ENGINEER
STANDARD BUILDING MONTREAL
Surveys, Plans, Estimates, &c., for Water Works, Sewerage, Water power projects, Bridges, Railways, &c.
... CONSTRUCTION SUPERINTENDENT ...

WILLIS CHIPMAN, B. A. Sc.,

M. Can. Soc. C. E.; M. Am. Soc. C. E.; M. Am. W. W. Ass'n.

CIVIL AND SANITARY ENGINEER
Water Works - Sewerage
Sewage Disposal
103 BAY STREET - TORONTO.

JOHN GALT

C. E. AND M. E., M. CAN. SOC. C. E.,
Consulting Engineer.

30 Years' Practical Experience in England, United States and Canada in Civil, Sanitary, Hydraulic, and Mechanical Engineering.

SPECIALTIES
Waterworks, Sewerage, Electric Railways

Office: Rooms 99 and 100,
CANADA LIFE BUILDING. - TORONTO.

ALAN MAGDOUGALL

M. Can. Soc. C. E. M. Inst. C. E.

CIVIL AND SANITARY ENGINEER

82 East Adelaide St. - TORONTO

SURVEYS AND ESTIMATES PREPARED for all classes of municipal work, water powers, road improvement. Construction superintended.

Kingston Chemical Fire Engine Co.

KINGSTON, ONT.

MANUFACTURERS OF THE

WILSON PATENT

CHEMICAL FIRE ENGINE

This machine is the most powerful fire fighter. It has two cylinders, 40 gallons capacity each. The combination of chemicals will not freeze, renders material with which it comes in contact non-inflammable, and will not corrode when not in use. For full particulars, write to the Secretary of the Company,

J. S. SKINNER,
Kingston, Ont.

... OR TO ...

D. D. WILSON, Manager,
19 Yonge St. Arcade, Toronto.

For reference, address H. YOULDEN, Chief Fire Department, Kingston.