

st., cost \$1,700; Wm. Mullock, 2 storey bk. addition and alterations, 149 Yonge st., cost \$7,000; Carroll Bros., pr. s. d 2 storey and attic bk. dwelling, 196 Berkeley st., cost \$4,000; E. J. Davies, Copland Brewing Co., 2 storey and attic bk. dwelling, 194 Berkeley st., cost \$2,000; Jas. Mason, 2 storey and attic bk. dwelling, 35 Queen's Park, cost \$8,000.

FIRES.

A summer hotel at Sturgeon Point, Ont., owned by Wm. Simpson, has been burned. Loss heavy, with small insurance.—Johnson's roller mills at Dresden, Ont., were burned recently.—McKendry & Co.'s dry goods establishment at Toronto, was gutted by fire last week. Loss \$200,000.—The Presbyterian church at Millbrook, Ont., was burned on the 4th inst. Insured for \$2,500.

CONTRACTS AWARDED.

GRIMSBY, ONT.—Mrs. Makepeace has awarded the plumbing contract of her new residence to Frank Squibb, Hamilton.

PETROLEA, ONT.—O'Hara & Co., of Toronto, secured the \$172,000 debentures for water works purposes, at a premium of 3%.

ST. CATHARINES, ONT.—Chatfield & Co. have been awarded the contract for the hot water heating of Mrs. Haynes' residence.

HAMILTON, ONT.—The Gurney-Tilden Co., Ltd., report a good demand for furnaces, radiators, etc., orders coming in from coast to coast.

TORONTO, ONT.—J. A. Berridge, painter, 518 Manning ave., has been awarded the contract for painting and glazing the High School at Port Hope.

WELLAND, ONT.—J. E. Cutler has been awarded the contract for the supplies for a residence at Fort Erie, and also for building a residence at Wainfleet for C. McCallum.

MILVERTON, ONT.—Thirteen tenders were received for the new school building. The contract has been awarded to Jacob Bundscho, Neuert Bros. receiving the sub-contract for mason work.

BRANTFORD, ONT.—The contract for all trades for a brick school building for Balfour street mission, West Brantford, has been awarded to Havill & Whiteham, of this city. Hewitt & MacLaren, architects.

ST. SCHOLASTIQUE, QUE.—Vincent & Dufresne, C. E., of Montreal, have been awarded the contract of straightening and deepening the Belle Riviere near St. Scholastique, in the county of Two Mountains. There will be 53,000 yards of dredging.

PORT HOPE, ONT.—The contracts have been awarded as follows, in connection with the new High School building: Mason and brick work, John McGill; carpentering and joinery, S. Coumbs; slating and galvanized iron work, Jos. Brundrette; plumbing, Millward & Son.

HULL, QUE.—The Christian Brothers have given the contract for erecting a college building at Buckingham to contractor Fauteaux, of this city.—The council have accepted the offer of R. Wilson Smith, of Montreal, for the purchase of \$65,000 of debentures, and of Mr. Bazin, of Ottawa, for \$10,000.

ORILLIA, ONT.—Kennedy, McVitie & Co., architects, have awarded the contract for Rev. Father McPhillips' presbytery to J. R. Eaton, of this town. It will have all modern improvements, and will be of brick, with stone dressings. The same architects have started the work on Sanderson's residence on Cedar Island.

WINNIPEG, MAN.—The contract for

completion of the Dufferin school has been awarded to Kelly Bros. & Co. at \$1,640, and that for the Argyle school to T. M. Harrington, his tender being \$1,825.—The Manitoba government opened 12 tenders for \$100,000 worth of drainage debentures, bearing interest for 30 years at 4½ per cent. The tender of Geo. A. Simson & Co., Toronto, was accepted. They offered \$113,451.

KINGSTON, ONT.—Contracts for building a residence on University avenue for A. Malone have been awarded as follows: Mason work, W. Langdon; carpentering, J. Hooper; plumbing, heating and metal work, McKelvey & Birch; painting and glazing, Savage Bros.—The successful tenderers for alterations and improvements to Livingston Bros' store are: Mason work, A. Newlands; carpenter's work, R. Gaw & Co.; metal work, Simmons Bros. & Pollie; plumbing and gas fitting, J. Jamieson. The architect is W. Newlands.

MONTREAL, QUE.—Mr. St. Jean, architect, has awarded a contract for important reparations to the church of St. Athanase, d'Iberville, to Poileau & Bros.—L. A. Montbriand, architect, has awarded contracts as follows. 2 houses on Bleury street for Mr. Levesque—Masonry, A. Dufort; carpenter and joiner's work, W. Garipey; roofing, plumbing and heating, Laperance & Theriault; brick, Olo. Deguise; plastering, H. Contant; painting and glazing, A. Delage; iron work, Dominion Bridge Co. Same architect has let the masonry contract for one house on St. Denis street for A. R. Archambault, to Latreille & Bros.

BUSINESS NOTES.

Landry Nelson, plumber, Ottawa, is dead.

W. B. Inwood, plumber, Toronto, has assigned.

The assignment is reported of George Beaucage, contractor, Quebec.

Hurtubise & Co., hardware merchants, Montreal, is in financial difficulties.

W. T. Stewart & Co., Toronto, have commenced business as felt and slate roofers.

Wilford Baril, paint merchant, Montreal, has made an assignment. Liabilities, \$28,000.

A partnership has been formed between Thomas Armstrong and Edward Petit, plumbers, Montreal.

A. B. Dodswell, hardware merchant, Toronto, has placed his estate in the hands of an assignee.

Crevier & Hetu, plumbers, Montreal, have dissolved partnership. S. C. Crevier will continue the business.

George Howe, dealer in paints and

oils, Ottawa, has assigned to P. Larmouth. Liabilities, \$14,000; assets, \$12,000.

The Attorney-General has taken proceedings at Montreal for \$112,500 against Ald Prefontaine and Messrs. C. N. Armstrong and F. X. Choquette, trustees of the subsidy of \$112,000 voted by the Quebec Legislature during the Mercier regime for the settlement of claims against the Montreal and Sorel Railway Company. It is claimed that the payments were irregularly made.

STANDARD SHAPES OF STRUCTURAL IRON.

Uniformity of rolled sections of iron and steel has long been a desideratum, says the Engineering Record, and considerable progress has been made towards securing it in Europe, where very convenient and rational systems of decimal increments and common sizes have been accepted by many of the leading mills, and great convenience and simplification of proportioning and ordering have resulted. The adoption of similar general regular sections has been urged in this country, and a pronounced beginning has been made by the Association of American Steel Manufacturers. On Jan. 17 last this association adopted certain rational sections of I beams, channels and angles as standard, and announced that the members of the Association will charge for any weight ordered which is not in the schedule, the price for the next higher weight there given; also that an extra charge of one-tenth of a cent per pound will be made on bills ordered to an accuracy greater than three-fourths of an inch of total length.

Steel sections only are enumerated, and the Carnegie Steel & Iron Company has just issued a list of sizes, tables and diagrams of the different shapes in which the weight is calculated at area \times 3.4. All beam and channel flanges slope uniformly 16½ per cent. = 9 27'42" = 1 in 6, and the radii of fillets and corners are simply functions of minimum web thicknesses. Diagrams give the scales of the minimum weights and corresponding three principal dimensions, and the usual moments, coefficients, etc., are given in accompanying tables. Twelve heights of beams, from 24 to 3 inches, 10 lengths of channels, from 15 to 3 inches, and corresponding cast separators, and 20 sizes of angles, from 6 \times 6 inches to ¾ \times ¾ inch,

EUREKA



MINERAL WOOL

SECTIONAL

STEAM PIPE and BOILER COVERING

Gives Dry Steam at long distances without loss of power.

ASBESTOS GOODS & ENGINE PACKINGS

EUREKA MINERAL WOOL & ASBESTOS CO., - 124 Bay St., TORONTO

THE G. & J. BROWN MFG. CO.

Railway and Contractors' Plant.

BRIDGE BUILDERS

BELLEVILLE, ONT.