

layer, Wm. McArthur Two houses for Eugene Dubois on Berri street—masonry, Marseille Paquette; carpenter and joiner's work, N. Deslauriers. One house, corner Beaver Hall Hill and Latour street, for Mde. D. McIntyre.—architect, Edw. Maxwell; estimated cost \$28,000. Two residences on Montcalm street for Ant. Balle.

TORONTO, ONT.—The property owners on Spencer avenue have decided to adhere to their original resolution to have a brick pavement constructed.—The City Council will consider the question of renewing pavements at an early date. There are upwards of one hundred miles of cedar block pavements in the city, of which the greater part is worn out.—The City Council have appointed a deputation to petition the C. P. R. to build a new station at the subway.—The Public Works Department at Ottawa has asked the city engineer to forward his plans for the Island groynes for inspection.—The Board of Control has been instructed to advertise for tenders for a new steam heating boiler for the jail. The cost will be \$2,100.—The Council have passed the by-law authorizing the issue of debentures to the amount of \$1,300,000 for widening the Queen street subway.—A proposition is under consideration by the city council to construct a bridge from the Queen's wharf to the Island, crossing at the western channel. The city engineer and Mr. Kivas Tulley, engineer for the Harbor Commissioners, recently examined the proposed location, and in all probability a swing bridge will be recommended, which will cost about \$40,000. A by-law will likely be submitted at the January elections.—At the next meeting of the Works Committee the City Engineer will recommend a number of pavements, including an asphalt pavement on McCaul street.—The Board of the House of Industry, at a meeting on Tuesday last, decided to expend the sum of \$15,000 in enlarging the present building for the better accommodation of the aged poor.—F. H. Herbert, architect, 9 Toronto street, reports the following new work on hand. Detached residence, east side Bedford road, for Mr. A. Hill, to cost \$10,000; residence, west side Walmer road, for Rev'd. Thos. Goldsmith, to cost \$4,000, also altering and remodelling store at 487 Parliament street for Mr. Charles Meech. The same architect is also preparing plans for a large residence in Rosedale and for making alterations to residence, No. 6 Classic ave., for Mr. R. L. Gibson.—Building permits have been granted as follows. Mrs. C. F. Nason, 2 storey and attic bk. villa, 1540 King st. w., cost \$3,000; Robertson Bros., 2 storey bk. storehouse, rear of factory, Queen st. e., cost \$3,200.

#### FIRES.

The Moncton Sugar Refinery at Moncton, N. B., owned by the Acadia Sugar Combine, was totally destroyed by fire on the 20th inst., involving a loss of about \$200,000.—The building and plant of the Palmerston Electric Light Company, Palmerston, Ont., was destroyed by fire last week. The owners are C. & W. M. Anderson. Insurance \$1,600.—A disastrous fire occurred at Simcoe, Ont., on the 21st inst. The losers are: J. C. Hill, livery stable; A. Hiller, stables; Chas. Eaid, office and stables; Wm. Burt, residence, and the Salvation Army barracks.—Captain Walter Smith's store at Barrington, N. S., was destroyed by fire recently. Loss \$4,000; no insurance.—The house of Adam McLeod, Oter Brook, N. S., has been burned.

#### CONTRACTS AWARDED.

FREDERICTON, N. B.—Willard Kitchen has been awarded the contract for repairs to the parliament buildings. The price is understood to be in the vicinity of \$5,000.

PRESCOTT, ONT.—The town has disposed of \$11,000 of debentures to G. A. Stimson & Co., of Toronto.

SOURIS, MAN.—The contract for the work on McKellar's ravine has been awarded to Thos. Ryan, of Oak Lake.

PRINCE ALBERT, N. W. T.—Kelly Bros., of Winnipeg, have secured the contract for the new court house here.

HAMILTON, ONT. Malcolm & Souter are building new fixtures in Hamilton's drug store, corner James and King streets.

MANIWAKI, QUE.—The contract for building the new iron bridge across the Desert river here has been awarded to Jos. Bourque, of Hull.

GODERICH, ONT.—The town have awarded the Rogers Electrical Company, of London, the contract for the installation of five hundred incandescent lights.

GALT, ONT.—The contract for the mason work in connection with the addition to the foundry of the MacGiegor, Gourlay Company has been awarded to George H. Thomas.

COLLINGWOOD, ONT.—The Municipal Council let the contract for laying several thousand yards of cement sidewalk to the Silica Barytic Stone Co., of Ingersoll. Work to be done this fall.

ST. JOHN, N. B.—The tender of R. B. & P. Smith, of Fredericton Junction, N. B., has been accepted for the supply of timber and lumber required for the extension of the warehouse at Sand Point.

WINDSOR, ONT.—George A. Goodman has secured the contract for the construction of the new street railway barns and power house on London street. The building is to be of brick, 165x65 feet, and will cost \$7,000.

NANAIMO, B. C.—A. E. Lambert has been awarded by the Lands and Works Department the contract for the construction of a truss bridge across the Nanaimo river, on the original Victoria-Nanaimo road. The bridge is to be 180 feet long and 15 feet wide.

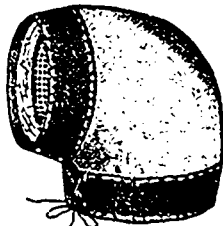
TORONTO, ONT.—Two tenders were received by the Board of Works for piling and filling over conduit south of Hanlan's Point. The offer of McNamee & Simpson at \$4,890, has been accepted. For the construction of a wooden bridge over the Don at Riverdale Park five offers were submitted, as follows. No. 1, \$775; No. 2, \$1,090, No. 3, \$787, No. 4, \$782. Tender No. 1 was accepted, the contractor being J. P. Hamblin, 62 Denison ave.—The County Councils of York and Peel have awarded the contract for rebuilding the bridge over the Etobicoke river near Burnhamthorpe to the Central Bridge Company, of Peterboro, at \$750.

MONTREAL, QUE.—L. R. Montbriand, architect, has awarded the contracts as follows for one cottage, three stories, on Esplanade street for Chs. Gratton: masonry, Chapleau & Lemay; carpenter

and joiner's work, not let; brick, Chapleau & Lemay.—V. Lacombe, architect, has awarded the contract for a building on Lagacheiere street, three stories, for Ernest Belanger, all trades, to Aug. Messier.—Chs. Lafond & Bros. have let the contract for a building, three stories, on St. Denis street, for Vitalien Pauze to Jos. A. Labelle.—Brown, McVicar & Heriot, architects, have awarded the following contracts for one building on Mountain street, three stories, for Wm. Robb: Masonry, Geo. Nicholson; carpenter and joiner's work, W. McDonald; roofing, Montreal Roofing Co.; plumbing and heating, J. Ballantyne; brick, Thos. Wand; plastering, Decary & Son; painting and glazing, Alex. Craig; iron work, Dominion Bridge Co.—Edward Maxwell, architect, has let the contract for one building, corner of Beaver Hall Hill and Latour street, five stories, as follows: Masonry, J. H. Hutchison; carpenter and joiner's work, Jas. Shearer & Co.; roofing, Campbell & Gilday; plumbing and heating, Gardner & Egan; brick, A. Cowen; plastering, J. Lefebvre; painting and glazing, Thomas Bros.; proprietor, Mde. D. McIntyre. Same architect has awarded contracts as follows for one school on Western ave., Westmount, three stories, for the school commissioners of Westmount: Masonry, T. Lewis; carpenter and joiner's work, R. Sharp; roofing, Campbell & Gilday; plumbing, Garth & Co.; heating, Smead Dowd Co.; brick, O. Deguise; plastering, J. Lefebvre; painting and glazing, N. Belaire; iron work, Dominion Bridge Co.

#### PILE DRIVING THROUGH STONE.

In a paper recently read before the American Society of Civil Engineers, Prof. W. H. Burr described some experimental pile driving through new stone-filled crib work. Nineteen piles were driven. The crib was 35 feet deep, and the piles from 52 to 60 feet long, were shod with chilled cast iron points, held on by straps spiked to the pole. The hammer used in the driving weighed 3,500 lbs., and the greatest number of blows was 350. There was no difficulty whatever in driving the piles, and there were no failures. In the discussion following the reading of the paper several other gentlemen gave particulars of pile driving through loose rock. The shoe used in the work of the New York department is conical, the angle of the cone being about 60 degrees. The base of the cone is flat, and it is secured to the cone by a pin cast as part of the shoe and let into the end of the pile. This type of shoe is said to have proved very satisfactory in practice.



ELBOW

## MICA BOILER AND STEAM PIPE COVERINGS

The Highest Non-Conductor and the Cheapest Covering on the Market.

Full Particulars from

The Mica Boiler Covering Co. - 9 Jordan St., Toronto

## THE G. & J. BROWN MFG. CO.

Railway and Contractors' Plant.

# BRIDGE BUILDERS

BELLEVILLE, ONT.