

at 75 cents per yard, \$7,500; 2,400 lineal ft. piling and flooring at \$5.60 per ft., \$13,440. Mr. McGovern bound himself by a large deposit to complete the work by the beginning of November 1st, 1908. It would now appear that there is absolutely no possibility of the contract being completed within the time mentioned and the question is now raised as to whether or not he should forfeit his deposit. According to interviews given out by members of the water committee, however, they are disposed to deal leniently in the matter. Many delays which could not be foreseen have taken place, and in addition the work was held back by an important subcontractor, so that it is considered, apparently, that the work could not have been put through in the time mentioned, and that Mr. McGovern had done as well as possible. The result, however, will be that the work cannot now be finished till next season. Recently a break occurred in the aqueduct bank, flooding the new works and giving rise to the rumor that Mr. McGovern meditated suing the city for damages.

The opening of the fall term of the engineers' group course at the Montreal Y.M.C.A. will take place in the beginning of October. As in former years, the instructor will be Mr. Peter Bain. A new opportunity will be afforded to the men engaged in mechanical pursuits by the extension of this engineering group course. Class instruction (lecture and demonstration), will be given in boiler firing, in boiler, engine and machine designs; in mechanical drawing, workshop arithmetic, drawing, office work, and in general mechanical engineering. Estimates operating and construction costs, fuel saving, smoke prevention, and kindred appliances for increasing efficiency and economy, will be considered in detail, and form new and special features.

Montreal was taken possession of by visiting mining engineers from Great Britain, Germany and the United States, and by the members of the Canadian Mining Institute, who were showing them around on the 2nd inst. Under the guidance of Dr. Adams, Professor of Geology and Dean of the Faculty of Applied Science, the mining men inspected the McGill metallurgical equipment, afterwards taking lunch at the Montreal Hunt Club. In the evening they were entertained at the St. James' Club, eighty of them sitting down under the presidency of Mr. George Drummond, chairman of the Montreal branch. Among the well-known engineers present were: Dr. Miller, Toronto, president of the Institute; Eugene Costie, Toronto, past president; Charles Fergie, Nova Scotia; Dr. Hardman; Wm. Frechville, past president Institute of Mining and Metallurgy, of Great Britain; Hugh Marriott, the well-known expert; Walter Johnson, representing the Iron and Steel Institute; D. B. Longford, London, representing the Institution of Mining Engineers; W. I. Rees, Swansea, representing the steel industry of South Wales; Roger Beck, Swansea; Clifford Bloomer, British Iron and Steel Institute; Clifford McDairmid; Prof. H. Potoni, Berlin University; Dr. Ries, Cornell University; S. Mavor; Dr. Wupperman, Dr. Adams, and many others.

The contract for the new workshop for the Montreal waterworks at the corner of Grand Trunk and Charlevoix Street, has been let to the Montreal Ship Lining Company at \$17,800, and that for the foreman's house in connection with the shops, was let to Shearer, Brown & Company at \$3,952.

Three Rivers, Que.—About two dozen buildings, ranging from one to three storeys in height, are now under construction, the late fire having necessitated considerable building. As many more buildings will be commenced in a few days.

Quebec, Que.—Hon. S. N. Parent, accompanied by the three expert bridge engineers, Messrs. Fitzmaurice, of England, Vautelet, Montreal, and Modjeska, Chicago, who were appointed by the Canadian Government to re-build the Quebec Bridge, visited the site of the old structure last week and afterwards proceeded to Montreal en route to New York and Phoenixville.

Montreal, Que.—The Department of Marine and Fisheries are placing six additional flame buoys in Lake St. Peter, thus rendering the St. Lawrence channel navigable at night for steamers of 30 feet draught.

## MORISON SUSPENSION FURNACES FOR INTERNAL FURNACE BOILERS.

Designers and builders of boilers, as well as engineers generally, will be interested in the seventh edition of a book entitled, "Morison Suspension Furnaces for Internal Furnace Boilers," just issued by The Continental Iron Works, borough of Brooklyn, New York City.

The book deals with the use of the Morison Suspension Furnaces, of which The Continental Iron Works is the sole manufacturer in the United States, in connection with land boilers only, in contradistinction to the application of Morison Suspension Furnaces for marine purposes. It is a finely compiled and printed volume of nearly seventy pages, bound in a serviceable cover.

There is a fund of valuable data, with numerous illustrations, including a number of important installations of Internal Furnace Boilers using Morison Suspension Furnaces, together with details of design and construction, tables of pressure and thickness, and rules for calculating same.

The designs shown are for land boilers ranging from 50 horse-power to 300 horse-power, and are intended to meet general requirements, it being explained that where boilers are designed to work under other than normal conditions, the designs are offered by way of suggestion only.

A form of Specification for Internal Furnace Tubular Boilers, which accompanies the designs, should prove an important aid.

In the latter part of the book is a partial list of installations of Internal Furnace Boilers fitted with Morison Suspension Furnaces, many of which are repeat orders, demonstrating the satisfaction this type of steam generator gives.

This is followed by illustrations and full information regarding the Morison Patent Furnace Fronts and Doors for economical and rapid firing, and which are also made only by The Continental Iron Works.

Engineers, Architects and Boiler Manufacturers will find this book of great assistance to them in the design and lay out of Steam Power Plants.

The book is printed by H. Edwards Rowland, New York City, and a feature of the text is a clever adaptation of photographs, showing various applications of the Morison furnace.

Statement of accidents during July, 1908, in the following industries and trades:—

Industry or Trade.	Killed.	Injured.	Total.
Lumbering .....	7	5	12
Mining .....	7	14	21
Building trades .....	3	34	37
Metal trades .....	9	15	24
Woodworking trades .....	1	8	9
Railway service .....	20	22	42
Navigation .....	9	4	13
General transport .....	9	13	22

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