

The Government dredge Cape Breton is at work in the harbor of St. John, N. B. The construction of the deep water terminus for the I. C. R. is being pushed.

The Grand Trunk Railway Co. has a contract with the Leyland Line for a tri-weekly steamship service during the coming winter between Portland and Liverpool. Five of this company's vessels, which are now plying between Liverpool and New York, will be transferred to the Portland route. These vessels will replace the ships of the Dominion Line, which, last year gave the service between Liverpool and Portland. The new arrangements will come in force only next year, and, in the meantime, the Allan and Leyland lines will work together on that service. It is also reported that the Leyland line next summer will make an effort to retain the Canadian business secured during the winter months by running into Montreal instead of New York.

Personal.

W. A. Clement, C. E., the Toronto city roadway engineer, is very seriously ill with typhoid fever.

Wm. Reid was accidentally killed by the fly wheel at the Metropolitan Rolling Mills, Montreal, last month.

F. R. F. Brown has opened an office at 22 Street Railway Chambers, Montreal, as a consulting mechanical engineer.

R. Barrow, son of the Hamilton, Ont., city engineer, has entered the engineering course at the School of Practical Science, Toronto.

James McKenna, a delegate to the firemen's convention in Toronto, was killed at Morrisburg, Sept. 10th, while attempting to board a moving train.

S. Aikens, fireman, was on Sept. 14th instantly killed by the explosion of a boiler in Frank Entrichen's brickyard on the 5th line of Zorra, Oxford county, Ontario.

James McArthur, land surveyor, Aylmer, Que., who was nearly boiled to death while taking a bath at Eastman's Springs, died a few days later. He was 78 years old.

N. Bruchesi, an engine driver on the Grand Trunk Railway, died suddenly in Montreal a short time ago. Mr. Bruchesi was the driver on the first engine that passed over the Canada Atlantic Railway.

Thos. Graham, proprietor of the Banner File works, Almonte, Ont., died at his home there. He was born in Ecclesfield, England, in 1834, and was twice married, being the father of twenty-one children. Mr. Graham was at one time at the head of a very large hand cutting file works in Toronto.

Dr. John Hopkinson, an English electrical engineer, and his son and two daughters have been killed, while ascending the Dents de Vaulion, in the Canton of Vallais, Switzerland. A summary of Dr. Hopkinson's report on the transmission of electric power from Niagara to Toronto was published in *The Canadian Engineer* some months ago.

C. H. Sutherland, a well-known draughtsman in the motive power department of the Grand Trunk Railway, died suddenly at his residence, Montreal, recently. He had not been in the best of health for some days, but no serious results were anticipated. Heart disease is supposed to have been the cause of death.

W. C. Clark, an engineer in the employ of the C. P. R., was found dead on the floor of his room at the village of Cedars, near Montreal, last month. He was partially dressed, and is supposed to have died while preparing for bed. He was 27 years of age. An inquest was held and a verdict returned of death from indigestion and cerebral congestion.

James Brown, C. E., died in Amherst, N. S., a short time ago, aged 57 years. Deceased was born in Aberdeen, Scotland, and came to this country in 1876. He was a practical engineer of great ability, and besides being for a term manager of the Londonderry mines, held responsible positions on the Intercolonial and Canadian Pacific railways, at Joggins Mines, Springhill, and Glace Bay. Mrs. Brown, who was Miss Sybella Gilbert, sister of Lord Belhaven, and one daughter, May, survive him.

Ed. Cooper, late manager and part proprietor of the Cooper Machine Co., Toronto, manufacturers of the Imperial Ga. Engine, has taken a position as traveling representative of the Goldie & McCulloch Co., Galt, Ont.

While attempting to stop the fly wheel of a wood sawing machine, with a piece of wood, Peter Grice, Victoria, B. C., was instantly killed, death being caused by the fly wheel breaking, pieces of which penetrated the body, tearing out the heart and liver, both of which were afterwards picked up by the police.

The department of mathematics in McGill University will be strengthened by H. M. Tory's transference from the Physics Department, in which he has hitherto done part of his work; and he will be more at liberty, in the future, to undertake lecture and tutorial work in the first years of the mathematical curriculum. Mr. Tory's work in the physical laboratory will be taken over by R. O. King.

At the annual general meeting of the Great Northwestern Telegraph Company, Toronto, the following officers were elected: H. P. Dwight, president and general manager; Adam Brown, of Hamilton, vice-president; H. N. Baird, James Hedley A. S. Irving, W. C. Matthews, of Toronto, Richard Fuller, of Hamilton, Hon. William McDougall, C. B., of Ottawa, and Charles A. Tinker, of New York, directors; George D. Perry was reappointed secretary and auditor, and Arthur Cox, treasurer. The statement of the year's business showed a considerable improvement over the previous year, and the opinion was expressed that with the new connections and extensions of the company they might reasonably look for a still further improvement during the coming year.

Thomas Fuller, late chief architect of the Department of Public Works, died at his residence in Ottawa, Sept. 28th, aged 76. Mr. Fuller was born in Bath, Eng., and came to Canada in 1857. In 1859 in competition for parliament and departmental buildings, Ottawa, his design for the parliament building was adopted, and he was awarded second prize for his designs for departmental buildings, which included a residence for the Governor-General. Mr. Fuller superintended the erection of the parliament buildings. In 1867 he was the successful competitor for a design for the new capitol building for the State of New York at Albany, and removed to that city, where he superintended the erection of the building. In 1831 he returned to Canada, and was appointed chief architect of the Public Works Department, a position he held until about a year ago, when he was superannuated, but retained an advisory position in the department. His health has been failing for some time. Mr. Fuller was well-known throughout the whole of Canada, and has designed the greater number of all the public buildings erected in the last fifteen years.

Dr. James Wallace Walker, the new professor of organic chemistry at McGill University, was educated at the University of St. Andrews, Scotland, and graduated there as Master of Arts in 1889. After a short time spent in teaching mathematics at the Madras College, St. Andrews, he was appointed lecture assistant in chemistry at the university and afterwards engaged in original research in organic chemistry. In 1892 he entered the University of Leipsic, and was shortly afterwards elected to an 1851 Exhibition Scholarship. In Leipsic he studied chemistry in the laboratories of Professors Wislicenus and Ostwald and was awarded in 1896 the degree of Ph.D., with highest honors. On returning to England Dr. Walker worked for a short time in the laboratory of Professor Armstrong at the Central Technical College, in London, but soon afterwards, in 1896, was appointed lecturer in organic chemistry under Professor Ramsay, in University College, London, and was last year also appointed examiner in chemistry for the Arts, Science and Medical degrees at the University of St. Andrews. Dr. Walker has published the results of his researches in a number of papers. He is a clear and lucid lecturer and he has proved himself to be an attractive teacher, both with elementary and advanced students.

The Board of Governors of McGill University has appointed Professor R. B. Owens, E.E., of the University of the State of Nebraska, to the W. C. McDonald chair of electric engineering at McGill University, lately held by Professor Carus Wilson. Professor Owens is a native of Maryland, and was educated at Johns Hopkins University, Baltimore, obtaining a high standing in mathematics and physics. Proceeding from Johns Hopkins University to Columbia University, he