

PERSONAL

WILLIAM WILLIAMS, of Thorold, Ont., has been appointed superintendent of the present Welland Canal, to succeed Mr. Sullivan, who died recently.

E. S. DICKINSON, formerly assistant professor of mining at the University of Kansas, has taken a position on the mining staff of the Canadian Copper Company at Copper Cliff, Ont.

A. G. WORKMAN has been appointed chief dispatcher of the British Columbia Electric Railway Company, of Vancouver, B.C., to succeed Mr. G. R. G. Connon, resigned.

C. H. MATHEWSON, resident engineer for the Department of Public Works, Ottawa, on the Toronto Harbor improvement project, has been appointed district engineer for the Department at Winnipeg.

JOHN SWEENEY, formerly district engineer for the Department of Public Works, Ottawa, at Winnipeg, succeeds Mr. C. H. Mathewson as resident engineer for the Department on the Toronto Harbor Improvement Board.

Sergeant GUY R. TURNER, formerly of the engineering staff of the St. John and Quebec Railway, and a resident of Fredericton, N.B., and now with the Third Field Company, Canadian Engineers, was wounded recently in France.

F. McARTHUR, the new city engineer of Guelph, Ont., has been city engineer of Regina for the past few years, prior to which he occupied the same position in Guelph. Mr. McArthur is a graduate of Queen's University, Kingston.

PREVOST HUBBARD has recently accepted the position of chief of the division of Road Material Tests and Research in the U.S. Office of Public Roads and Rural Engineering, and has resigned as chemical engineer in charge of the division of Roads and Pavements of the Institute of Industrial Research.

M. S. GIBSON has been appointed general manager of the National Fireproofing Co. of Canada, Limited, with headquarters at Toronto. Mr. Gibson, who succeeds the late Mr. Weisner, has been plant manager at Hamilton for the company for the past four years, and had previously been connected with the firm's Pittsburgh office.

J. T. BRECKON, waterworks engineer for the city of Vancouver, B.C., has tendered his resignation to take effect July 31st. Under his supervision the Point Grey pipe line was completed, including the laying of two 2,000-ft. cast iron mains across the First Narrows. Mr. Breckon will resume private practice as consulting and construction engineer.

R. H. PARSONS, superintendent of the municipal power plant at Edmonton, Alta., has tendered his resignation to the commissioners. Mr. Parsons has returned to Manchester, Eng., where he now is connected with a large factory engaged in the manufacture of the munitions of war. Mr. C. E. Cope, chief engineer of the plant, has been recommended to succeed Mr. Parsons.

M. J. BUTLER, C.M.G., immediate past president of the Canadian Society of Civil Engineers, has been appointed consulting engineer to the city of Montreal with respect to the waterworks department and extensions. He

will supervise the construction work and alterations now in progress for the widening of the aqueduct. Mr. George A. Janin, the city engineer, was in direct charge of these improvements prior to his departure for the front.

WILLETT G. MILLER, Provincial Geologist of Ontario, has been awarded the gold medal of the Institute of Mining and Metallurgy of Great Britain. The medal is the highest award of the institution for conspicuous service in the advancement of the science and practice of mining or metallurgy without distinction of nationality. Prof. Miller is the eleventh recipient, and this is the first time the medal has been awarded to a resident of Canada.

OBITUARY.

One of our pioneer railway engineers and scientists passed away on July 22nd in the person of Sir Sandford Fleming. In addition to his numerous professional attainments, the deceased was a devoted statesman and to him much credit has been due in the solution of early Canadian national and political problems. He came to Canada in 1845 at the age of 18, Fifeshire, Scotland, having been the place of his birth. He was first connected with the engineering staff of the Northern Railway, Toronto, subsequently becoming chief engineer. Later he practised engineering in Ontario, and was elected a member of the Institute of Civil Engineers, London, and of the American Society of Engineers, and elected as honorary member of the Canadian Society of Civil Engineers. In 1863 he was chosen by the governments of Canada, Nova Scotia and New Brunswick, and Great Britain, to conduct a survey for the first link of a railway which would join the Atlantic and the Pacific. His survey showed the practicability of the scheme, which developed, when carried out, into the Canadian Pacific Railway System. He helped to build the Railway system of Newfoundland.

He had much to do with the adoption of the Greenwich time as the standard for the world, reading two papers on the subject before the Canadian Institute, Toronto, and visiting Washington in this connection.

In 1879, Mr. Fleming began to investigate a scheme for spanning the Pacific Ocean by cable in an effort to link the British Empire by an all-red telegraph system. He visited Australia and England in connection with this work.

In recognition of his public services, Queen Victoria made him a Companion of the Order of St. Michael and St. George in 1877, and a Knight Commander in 1897.

Among the many business and other important positions Sir Sandford has filled are: Member of the Ottawa Improvement Commission, director of Hudson Bay Co., director of C.P.R., vice-president Canada Cement Co., president of the Ottawa branch of the Imperial Federal League, and vice-president of the United Empire League.

He was one of the representatives of Canada at the Colonial Conference in London in 1888, and Ottawa in 1894, and in 1892 represented Ottawa at the congress of the Chambers of Commerce of the Empire.

He was an honorary doctor of laws of the following universities: St. Andrew's, Scotland; Columbia College, New York; Toronto, and Queen's.

When the news of his death reached Ottawa, Sir George E. Foster, acting Premier of Canada, paid the following tribute:

"The death of Sir Sandford Fleming deprives Canada of one more of its outstanding men. His connection with