

precedent to appointment in the Public Works service and that such membership is "the *only* guarantee, test, diploma or certificate that a man is a qualified engineer." In commenting upon these statements at that time, we suggested some of the difficulties in the way of creating the condition outlined by Mr. Dodwell. It is evident that these difficulties are now fully recognized by the authorities of the Engineering Institute of Canada, as we are informed that the members who are actively supporting the movement for legislation feel that no legislation should be sought which is not eminently fair to all qualified engineers, whether they be members of the Engineering Institute or not. That is the proper attitude for the Institute to take, and is the one which we felt sure would be taken by the broad-minded men who form nine-tenths of the membership of the Institute. Education—*theoretical and practical*—is the test of an engineer's ability more certainly than membership in *any* society. Memberships can be gained on flukes at times; on the other hand, well-educated and well-trained men may have private reasons for remaining outside of various societies. Membership in societies does not make an engineer any more than membership in a church makes an honest man. If he is a church member, a man is likely honest, but not necessarily so. If he is a member of a recognized engineering society, a man is likely a qualified engineer, but not always so. And just as there are honest men who are poor church attendants, there are also good engineers who do not belong to this or that engineering society.

Engineers can be and should be compelled to have education and practical experience before being entrusted with responsible engineering work. But engineers should not be compelled to join societies. It may be good for them to fraternize with their fellow men, to listen to the reading of papers, to attend meetings, to pay dues and to march with the times, but these matters should remain optional and voluntary, not compulsory.

Licensing of engineers is desirable. Licensing of engineers will come and must come,—the engineers are agreed upon that. But licensing of engineers is a State function, carried out by provincial or Dominion governments, by means of impartial examining boards, without reference to creed, nationality, color or society membership.

The Dominion Government has announced the personnel of the new board of directors of the Canadian Northern Railway as follows:—D. B. Hanna, president; Major Graham A. Bell, Deputy Minister of Railways and Canals; A. J. Mitchell who has been comptroller of the C.N.R. for a number of years; Robert Hobson, executive head of the Steel Company of Canada; F. P. Jones, general manager of the Canada Cement Co., and vice-chairman of the War Trade Board; E. R. Wood, financier, Toronto; R. T. Riley, a prominent business man of Winnipeg; and C. M. Hamilton, farmer, of Weyburn, Sask.

Robert Harmer, president of the Sawyer-Massey Co., Ltd., of Hamilton, Ont., speaking for the tractor manufacturers of Canada, has protested against the present attitude of the Canadian Government in regard to the removal of the duty on the tractors from the United States without any compensating arrangement for fixing the prices of raw materials for Canadian manufacturers. The Sawyer-Massey Co. have been manufacturing engines, threshing machinery and other farm apparatus for the past eighty years, and have been very successful for a number of years in the manufacture of tractors. Mr. Harmer believes that the Canadian manufacturers could supply all Canadian demands for tractors. He says that if the present discrimination continues indefinitely without any definite announcement from the government regarding its policy, Canadian tractor manufacturers will have to consider the removal of their plants to the United States.

PERSONALS

J. A. COOK has been appointed assistant superintendent, Smith's Falls Division, C.P.R., in place of H. J. Main, transferred.

F. A. DALLYN, engineer of the Ontario Board of Health, will accompany the Canadian expeditionary forces to Siberia. He will have charge of the water supply.

DR. J. W. S. McCULLOUGH, Medical Officer of Health for Ontario, has reconsidered his decision to join the Siberian expedition, as he has been urged by the provincial cabinet to remain in his present position, where he is doing work of national importance.

CHAS. A. MAGRATH, fuel controller of Canada, has assumed, at the request of the Dominion Government, additional duties as director of coal operations for Nova Scotia and New Brunswick, with power to make all necessary investigations, regulations, etc., to increase the quantity of coal being mined in those provinces.

PARKHILL & HANSON, LIMITED, is the name of a new firm of power and fuel engineers in Winnipeg. J. H. Parkhill is the president; E. C. Hanson is the engineer, and Dr. R. D. McLaurin, of the University of Saskatchewan, is the consulting chemist of the company. Mr. Hanson was for a number of years electrical engineer of the city of Saskatoon.

ROBERT HOBSON, president of the Steel Company of Canada, has been appointed a director of the Canadian Northern Railway. Mr. Hobson has been intimately connected with the production of iron and steel for many years. He is a member of the American Institute of Mining Engineers. In 1908 he was president of the Canadian Manufacturers' Association.

FRANK P. JONES, Montreal, vice-chairman of the War Trade Board and general manager of the Canada Cement Co., has been appointed to the reconstituted directorate of the Canadian Northern Railway. Mr. Jones was born at Brockville, Ont. For some years he was in the employ of the Nova Scotia Steel & Coal Co., and afterwards general manager of the Dominion Iron & Steel Co., and then became manager of the Canada Cement Co.

LUCIUS E. ALLEN, consulting and constructing engineer, Belleville, Ontario, has been appointed consulting engineer to the Nitrate Division, Ordnance Department, U.S. Army. Mr. Allen will have the rank of captain, and will have charge of important work in connection with the Ordnance Department. Mr. Allen was county engineer of Hastings County for seven years, and has frequently contributed papers on highway bridges and road problems before various associations in Canada.

JOSEPH RACE, city bacteriologist of Ottawa, has resigned in order to accompany the Canadian expeditionary force to Siberia. Mr. Race has obtained a commission as captain in the Canadian Army Hydrological Corps and will be in charge of the hygienic laboratory of the base hospital. He is a fellow of the Institute of Chemistry and is well known for his research work in water chlorination, and is the originator of the chloramine method of sterilization. A book on chlorination by Mr. Race is now on press.

OBITUARY

RICHARD R. BAUGHAM, who was for fourteen years street commissioner at Windsor, Ont., died last week at the age of sixty-seven.