

permit the Commissioner to deal with the situation as he thinks best. The purchase by the Commission of a number of powerful flushing machines would enable the city to get along indefinitely without the strikers, and would soon break the strike. Garbage can be burned in any furnace; ashes can pile up without any injury to health; but the streets must be cleaned. If the men refuse to clean them, Commissioner Wilson should get machines that will. In Ottawa power flushers cut down the number of white wings employed by the city from ninety to fifty, and those fifty are not indispensable. Many United States cities have bought a battery of flushers just to avoid such labor troubles as Toronto is now experiencing, and have also found that the machines mean a large monetary saving compared with other methods. Various cities have estimated the saving at from \$60 to \$90 per day per machine, and the cleaning is better done.

Toronto must take some action or the doctors and undertakers will reap a harvest. For many years past, street dust has been the subject of much study by eminent bacteriologists, with the result that the causative connection between street dust and an appalling number of diseases is now clearly established. *B. coli comm.*, *B. tuberculosis*, the bacterium *pneumococcus*, *staphylococcus* and *streptococcus*, *pyogeneus*, diphtheria, anthrax, tetanus, have been recognized as permanent inhabitants of street dust. Out of forty-six inoculations of animals with bacteria from city dusts,—an experiment tried by a prominent doctor some years ago,—thirty-two caused infectious diseases.

Another well-known authority states that among the diseases that lurk in the dust on the streets are tonsillitis, quinsy, laryngitis, pneumonia, rhinitis, influenza, tuberculosis, poliomyelitis, asthma, rheumatism, diarrhoea, skin disease, conjunctivitis, trauma of the cornea, nasal catarrh, frontal sinus and middle ear disease. And physicians all say that dust may, by predisposing an irritated condition of the respiratory organs, so lower the vitality of the mucosa that the development of any germ deposited thereon will be favored. In fact, suspicion now points strongly toward street dust as one of the worst etiological mischief makers with which we are afflicted.

## PERSONALS

J. B. MUSSELLMAN, secretary of the Saskatchewan Grain Growers, has been appointed fuel controller for that province.

M. F. COCHRANE, A.M.Can.Soc.C.E., of the International Boundary Survey, has joined the Dominion Water Power Branch, Ottawa.

JAS. J. MACKAY, of the firm of MacKay, MacKay & Webster, of Hamilton, Ont., has been appointed engineer of the township of Barton, Ont.

R. C. MANNING has been appointed assistant to Mr. W. D. Robb, vice-president of the Grand Trunk Railway, in charge of motive power, car equipment and machinery.

H. A. HARRINGTON, secretary of the coal section of the Retail Merchants' Association, Toronto, has been appointed assistant fuel controller for the province of Ontario.

A. C. BOYCE, K.C., M.P. for West Algoma, has been appointed a commissioner on the Dominion Railway Board in succession to Dr. Mills, who retired over a year ago.

J. A. BLAKNEY, of Brantford, Ont., has been appointed superintendent of the new hydro-electric system of Brantford township, with instructions to commence the installation of the lines at once.

FRANK SHEPPARD, M.P., of Nanaimo, has been appointed inspector of dredging for British Columbia, by the Dominion Government. Mr. Sheppard was formerly inspector of mines for British Columbia.

L. V. RORKE has been appointed director of surveys, province of Ontario, to succeed the late George B. Kirkpatrick, who filled that position since 1878. Mr. Rorke has been acting for the past two years on account of the illness of the late director.

Col. CHARLES COLQUHOUN BALLANTYNE, who has accepted the portfolio of Minister of Public Works, was born at Colquhoun, Ontario. He commenced his business career in Montreal, and while still a young man, became managing director of the Sherwin-Williams Paint Company. In 1911 he participated in the purchase of the entire concern, and since then he has been vice-president as well as general manager of the company. In 1903 he was president of the Montreal branch of the Canadian Manufacturers' Association, and in 1905-6 of the general association. He was appointed to the Montreal Harbor Commission in 1907.



GERALD BRABAZON, M.P. for Pontiac, P.Q., has been appointed superintendent of the storage dams system on the Upper Ottawa.

B. J. McCORMICK, of Welland, has been appointed general sales manager of the Canada Foundries and Forgings, Limited, of Welland and Brockville.

E. M. WHITLING, road superintendent of the city of Hamilton, Ont., will spend two weeks in New York City to study in the laboratory of Dow & Smith, consulting engineers, and also to inspect asphalt paving as laid in New York.

## OBITUARIES

GEORGE MORGAN, mayor of Blenheim, Ont., died recently at his home in that city, at the age of 78. Mr. Morgan was a well-known contractor and carried out a considerable quantity of construction work in western Ontario.

WILLIAM MURDOCH, city engineer of St. John, N.B., died suddenly on October 8th of apoplexy. Mr. Murdoch was born in Paisley, Scotland, 69 years ago. He became a member of the Canadian Society of Civil Engineers on April 25th, 1901. On August 15th Lieut. Douglas Roy Murdoch, son of the late Mr. Murdoch, died of wounds received in action.