

CANADIAN FAIRBANKS-MORSE TO BUILD TRACTOR FACTORY.

Messrs. T. Pringle and Son, Ltd., engineers and architects, Montreal and Toronto, have prepared designs for a large modern tractor factory to be erected on the south end of the property of the Canadian Fairbanks-Morse Company, Limited, Bloor Street, Toronto. The building will be 397 feet long by 100 feet wide, and will consist of concrete foundations with structural steel framework and brick walls. Steel sash will be used throughout for all windows. The forge shop will be 122 feet by 49 feet; testing room, 76 feet by 49 feet; erecting shop, 172 feet by 49 feet; structural steel shop, 318 feet by 49 feet, and the tin shop 397 feet by 49 feet. The structural steel shop will be served by two one-ton cranes and the erecting shop by a 12-ton crane. A very complete system of industrial railways will serve all portions of the plant. The paint shop is to occupy the end of the erecting shop, and it is from here that the tractors will be loaded directly into the cars on the siding. The factory will cost about a quarter of a million dollars and will be, when completed, one of the finest equipped plants in the world for the manufacture of tractors.

INCREASED WORK OF TORONTO'S NEW CIVIC LABORATORIES.

The laboratories of the Medical Health Department of this city were recently moved from very cramped quarters to spacious rooms and the results from the increased facilities is well shown by the following statistics.

In all, 2,385 specimens have been examined, as compared with 1,420 in July, 1911, as follows.—

| | July, 1911. | July, 1912. |
|------------------------------|-------------|-------------|
| Diphtheria cultures | 861 | 634 |
| Tuberculosis sputum | 46 | 106 |
| Typhoid blood | 49 | 39 |
| Gonorrhœa | 8 | 7 |
| Water specimens | 104 | 343 |
| Milk for bacteria | 152 | 284 |
| Milk cans for bacteria | ... | 121 |
| Milk for fat | 200 | 423 |
| Milk for dirt | ... | 428 |
| | 1,420 | 2,385 |

PROGRAMME OF THE FIFTH ANNUAL MEETING OF THE CANADIAN GAS ASSOCIATION.

The fifth annual meeting for the transaction of business, reading of reports, etc., will be held as follows in the Engineers' Club, 94 King Street West, Toronto:—

Tuesday, September 3rd, 9 a.m.—Register at Engineers' Club; Business Meeting; Executive Committee's and Secretary-treasurer's reports; President's Address (Mr. Arthur Hewitt, Toronto); Nomination Committee's report.

Paper by Mr. Howard E. Mann, engineer Montreal Light, Heat and Power Company, Montreal, "Reconstruction of an Old Retort House."

Paper by Mr. H. E. G. Watson, Commercial Department, Consumers' Gas Company, Toronto, "Suggestions for Increasing the Industrial Use of Gas."

12.00 noon—Luncheon.

1 p.m.—The following papers by

Mr. J. J. Armstrong, accountant, Consumers' Gas Company, Toronto, "Consumers' Accounting and Records System."

Mr. C. H. Osler, superintendent of distribution, Montreal Light, Heat and Power Company, "Medium High Pressure Gas Distribution in Montreal."

Mr. C. W. Allman, Commercial Department, Consumers' Gas Company, Toronto, "Gas vs. Coal for Water-heating Appliances."

Mr. W. J. Fuller, Commercial Department, Consumers' Gas Company, Toronto, "Commercial Lighting in Toronto."

Wednesday, September 4th, 10 a.m.—Business meeting at Engineers' Club, announcements, etc.

10.30 a.m.—Sight-seeing trip around the city and a visit to the Canadian National Exhibition.

PERSONAL.

MR. F. G. CLARK, of New York, has accepted a position as chief engineer of the Toronto Electric Light Company.

MR. S. P. PORTER has been appointed executive agent for the Grand Trunk Pacific Railway, with headquarters in Regina, Sask.

MR. GEO. OKXVIK, until recently with the Canadian Bridge Company, of Walkerville, Ont., is now with the city of Toronto in the Department of Railways and Bridges.

PROFESSOR C. C. SLICHTER, Ph.D., of Madison, Wis., U.S.A., has received a commission from the civic authorities of Winnipeg to make a full report on the water supply of that city.

MR. H. E. M. KENSIT, who during the past four years has been occupied in investigating and reporting on various undertakings and projects in Canada and the United States for Messrs. Smith, Kerry and Chace, of Toronto, has received an appointment with the water power branch of the Department of the Interior, Ottawa.

MR. LEROY A. KLING, who has been connected for some time past with two well-known crusher companies in Cedar Rapids, Iowa, has just accepted a position with the Wheeling Mold and Foundry Company, of Wheeling, W. Va., as sales manager of the road machinery department. This is the concern that has built so much of the important machinery for the Panama Canal. They will eventually manufacture a complete line of road building machinery, including a modern crusher, adjustable to crush to any size, pulverizers, rolls, screens, elevators, trucks and graders. Mr. Kling announces that his connection with these people begins at once.

MR. L. J. STREET, vice-president of the Canadian Inspection and Testing Laboratories, and district manager in Toronto for the past eight years, is severing his connection with that firm to go with the Dominion Iron and Steel Co., Sydney, C.B., as assistant to Mr. J. P. McNaughton, general sales manager. For several years Mr. Street was treasurer of the Engineers' Club of Toronto, and on its reorganization a year and a half ago, was elected chairman of its house committee. During his eight years' residence in Toronto Mr. Street has made many friends among the engineers and architects, and by his close application to work and expert attention to large inspection orders handled by him, has done much towards bringing the Canadian Inspection and Testing Laboratories to the high position it occupies in Canada at the present day. Mr. Street's knowledge of the iron and steel requirements of this country should make him a valuable addition to the staff of the Dominion Iron and Steel Co.