

# MUNICIPAL DEPARTMENT

## FIVE YEARS' OPERATION OF THE WINNIPEG MUNICIPAL ASPHALT PLANT.\*

The municipal asphalt plant was established in Winnipeg in 1899 at a cost of approximately \$14,000. Additions have been made from time to time which have materially increased the output and efficiency of the plant. The capital account at the present time, after making annual allowances for depreciation and maintenance, places the cost at about \$20,000. [The account is given in full in an appendix to the paper.]

The following is a condensed description of operations connected with asphalt paving in Winnipeg. The city is situated on a practically level prairie at the confluence of the Assiniboine River and the Red River of the North. The street level is about 7 ft. above extreme high water, and about 33 ft. above extreme low water in the river, the elevation above sea level being 754 ft.

The climate is sometimes extremely hot in summer, and in winter the thermometer occasionally reaches the forties below zero. The snow fall, considering the latitude, is light, the pavements in places, particularly in the car tracks, for the entire winter being almost or quite bare of snow.

From the above, it is evident that conditions are particularly unfavorable for asphalt pavements. Notwithstanding the

\* A paper read before the American Society of Municipal Improvements by Lieut.-Col. H. N. Rutan, city engineer of Winnipeg.

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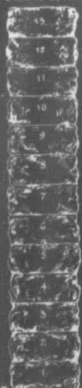
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