

MUNICIPAL DEPARTMENT

AN ASPHALT PLANT FOR WALKS AND CROSSINGS IN SMALL CITIES.*

By H. B. R. CRAIG, A. M. Can. Soc. C. E.

In dealing with this subject, the writer proposes to describe an asphalt plant operated by the city of Kingston for the past twelve years.

This plant occupies a space of half an acre in one of the corporation yards, but at the same time, should much asphalt work be done in any district of the city far away from the said yard, the entire plant may be advantageously moved to a convenient place in that locality. A covered shed, 30 by 20 feet, serves as a protection to the plant proper, and the remaining space is used for storing the stock of asphalt, tar, and fuel, and for tarring the broken stone.

The plant consists of an asphalt boiler of 40 gallons capacity, a sand-heater with a surface of 100 square feet, and a mixing board of about the same size. The sand-heater is simply a sheet iron-plate, half an inch thick, resting on four brick walls two feet high and one foot wide enclosing an oven. The fuel is fed to the oven through a hole in one of the walls. The initial cost of the plant was \$105.00.

In operating this plant the daily pay roll amounts to \$12.74, and itemized is as follows:—

* Read before the Canadian Society of Civil Engineers, Montreal.

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