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discussion as possible at earliest date.

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AN ASPHALT PLANT FOR WALKS AND CROSSINGS IN SMALL CITIES.

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

(Read before the General Section, December 14th, 1905.)

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.