

MUNICIPAL ENGINEERS, CONTRACTORS, AND MATERIALS.

Bexley for lighting purposes), and would visit all occupied dwellings and other properties. He would follow a certain line of sewer and would cleanse and deodorise the private drainage along that line. That being done, a flushing van would be employed to discharge into the manholes attached to the sewers such a quantity of water, mixed with the deodorant, as would efficiently cleanse and flush the sewer in question. The work would be carried out in sections, so arranged as to deal with the upper part, continuing down to the out fall of each section. It is his opinion that if this were done there would be fewer complaints with regard to smell from ventilators. The deodorant used would be manganate of soda, which has, for nearly three years, been successfully used in the cleansing of cesspools, upon the Bexley system. The cost of the deodorant for flushing purposes would be but small compared with the work accomplished.

A carefully designed system of blow-offs is in use in connection with the Providence water-works and was recently described in the Providence "Journal" by Mr. Edmund B. Weston, Am. Soc. C. E., engineer in charge of the works. About 30 6-in. and 8-in. blow-offs, discharging into the river or sewers, are located upon the 30 and 24-in. mains, from 700 to 3,500 ft. apart. When it is desired to clear a length of pipe, it is cut out by means of stop valves and water is admitted through some one or more of the smaller connecting mains, giving velocity of from 2 to 4 ft. per second in the blow-off pipe. For dead ends on small mains 1-in. pipes are provided, unless a hydrant is available. Dead ends are blown off upon complaint of dirty water. It is said that about 40,000,000 gallons of water were used last June in blowing off the low service system. —*Engineering News.*

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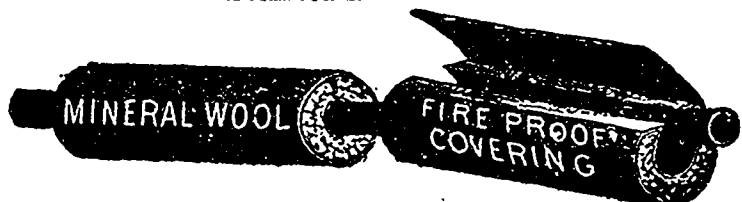
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CHIEF ENGINEER'S OFFICE,
HAMILTON, ONT., Oct. 17, 1893.

REPRESENTATIVES OF THE
ESTATE OF JOHN BATTLE,
THOROLD, ONT.

Gentlemen: In reply to yours of September 19th last as to the cement manufactured at the John Battle Works, Thorold, Ontario, we have been using it on this Division of the Grand Trunk Railway for many years, and have found it to be of good quality.

Yours truly,
JOSEPH HOBSON,
Chief Engineer.

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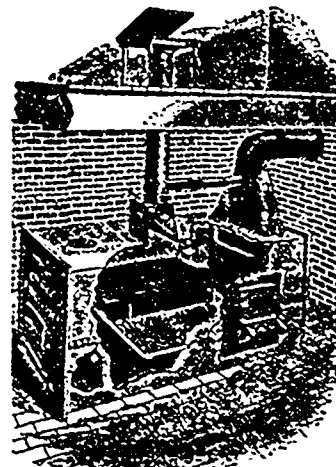
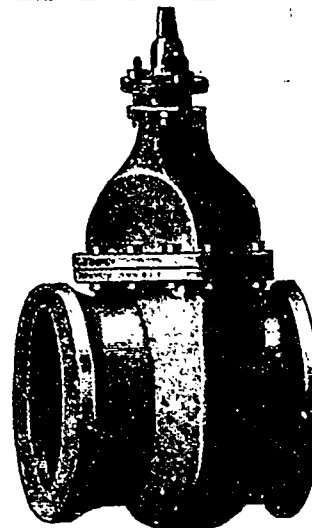
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