

**MUNICIPAL ENGINEERS, CONTRACTORS, AND MATERIALS.**

amount of toughness is desirable in a paving brick to prevent the splintering and breaking under traffic. This, quality, the writer believes, is at present over-estimated, as when laid in the street a brick can splinter only to a limited extent at the corners, after which the shape assumed is such as to greatly resist abrasion. The brick must be of sufficient transverse and crushing strength to resist all the demands of traffic with a sufficient factor of safety. Further than this these qualities are of little material value.

(To be Continued).

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

REPRESENTATIVES OF THE  
ESTATE OF JOHN BATTLE,  
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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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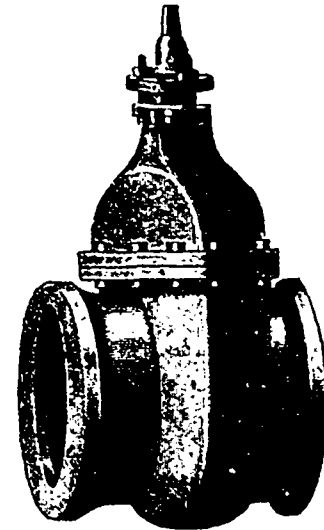
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