15 millions of gallons per day into the McTavish Street Reservoir, under the most unfavorable winter conditions is 20 feet wide by 17 feet high inside. The proposed open canal to do the same work is about 125 feet wide at water surface.

Mr SHANLY'S OPINION OF PROPOSED COVERED CONDUIT.

Hoosac Tunnel,
Contractors Office,
North Adams, Mass., U.-S.,
25th Oct., 1869.

Gentlemen.—Much press of business in connection with my work here, has prevented my taking up sooner, the papers you sent me some time ago, in reference to your project for improving the water supply of Montreal; and even now, I have not been able to give them more than a general and cursory examination, from which I come to the following conclusions:

1. A comparaison between an open canal and a covered conduit, speaking of the particular case under discussion (and aside from the question of cost), is largely in favor of the latter.

2. The capacity for discharge of such a conduit as you propose to construct, is not, I think, overstated in your report.

3. Of the correctness of your estimate of quantities and their, classification I have no means of judging.

4. In respect of cost, your prices appear to me to be all somewhat slender, and in the items of Culverts, Entrance, and Lands are, in my judgment quite too low. You have, I observe, added 12½ per cent. to your summary to provide for contingencies. I thing 25 per cent. would have been none too much, considering the great depth to which you propose to excavate the aqueduct and the consequent certainty of being much troubled with water.

I have no hesitation in saying that your plan of a covered conduit all below low water level, and with the entrance fully 10 feet below the surface, would effectually obviate all the difficulties that now interfere with the winter efficiency of the Water Works.

Yours very truly,

(Signed), W. Shanly.

Messrs. Cooke & Plunkett,
Civil Engineers, Montreal.