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TRANSACTIONS.

NOTE.—This Society is not responsible, as a body, for the facts and opinions advanced in any of its publications.

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THE SHONE HYDRO-PNEUMATIC SYSTEM OF  
SEWERAGE.\*

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READ DECEMBER 21ST, 1892.

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The Shone hydro-pneumatic system of sewerage was invented by Mr. Isaac Shone, Civil Engineer, of Westminster, England, in 1878, and the first works on this system were executed in the year 1880, at Eastbourne, England. Since that date works upon the Shone system have been carried out in the United States, Europe, India and South America, involving an expenditure of several millions of dollars; which fact may be taken as *prima facie* evidence of the soundness of the principles upon which it is based, and the durability and reliability of the mechanical details of the apparatus employed.

Wherever natural gravitation can be employed to give a reasonably perfect system of sewerage, it is unquestionably the proper means to adopt; but not unfrequently upon the score of economy, this natural force is stretched to such limits that an imperfect and unsanitary method of discharging the liquid wastes of a city is the result.

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\* Discussions on this paper received before February 15th, 1893, will be published in a subsequent number.