

the public health." By the use of stop-cocks, this process is also effective in removing the excreta deposited in the house drains. No water is required for flushing the pipes, and it is said by the use of one-fourth of the water now commonly employed, the pneumatic system will do the entire work, and in a much more perfect manner than is possible with the water carriage system alone.

The city of the Hague, "after having submitted Captain Liernur's plan to a committee of professional inquiry, resolved at once to give it a fair, practical trial at the public expense." Here, every night a steam engine comes to the reservoirs, a vacuum is created in each by an air pump, and the contents of the house pipes are shot into the reservoirs. When a reservoir has relieved all the houses connected with it, its own contents, solid, liquid and gaseous, are pumped by steam into a tender attached to the engine. As fast as these tenders are filled, they are forwarded to the railroad, and their contents are discharged into air-tight casks for transportation to the farmers. Thus, every night the entire city is relieved of its excreta, without disturbance of, or annoyance to, the inhabitants.

The pneumatic system was tested at the Vienna exhibition last year—being attached to a part of the exhibition building, and was found to act satisfactorily. It was there inspected by the Emperor William, who manifested his appreciation of the great value of the process by bestowing upon its inventor the order of knighthood. It has been endorsed it appears by the International Medical Congress of Vienna, who are convinced, from experiments made in their presence, that "the entire system is capable of doing its work completely." In Amsterdam and Leyden it has been practically applied to the districts of the poorer classes, whose ranks had been yearly decimated by the poisonous sewer gases incident to the water-carriage system. It has also been introduced most successfully into the government buildings at Prague, while it has been applied to districts in that city, by a private company, upon the sole condition that the company shall have the sewage matter.