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ON CAPTAIN LIERNUR'S IMPROVED TOWN DRAINAGE SYSTEM.

BY ADAM SCOTT, C.E.

In treating of Liernur's improved town drainage system, Dr. Egeling, the Senior Medical Inspector of Holland, says:—

For the English reader, this system has a double interest, it embodies the principles which have been demonstrated in every report on the sewerage question—for the last dozen years at least—to be the only ones upon which a satisfactory solution is attainable. All culminate in this one leading thought, that the plan of removing all kinds and degrees of refuse by only one channel leads to the same perplexities and difficulties as treating persons, merchandise, and cattle as only one kind of freight, and transporting them in only one class of railway car would do, and that it is far cheaper, in view of the ill effects resulting therefrom, to employ a different form of carriage for each variety.

Starting from this leading principle, Captain Liernur divides the work to be done into four different classes:—1. The sewers proper are made absolutely impermeable and devoted exclusively to filtered house, kitchen, and rain water. 2. The drainage of the soil is effected by porous pipes, regulating the ground water. They lie at a higher level than the sewers proper, and drain into them. Of course, in towns that are sewered already, he makes use of the existing sewers and does not lay these subsoil drains. 3. Refuse liquids of trades and manufacture are only admitted into the sewers after being purified by their producers. 4. The fæcal matter—chamber slops, and sink