

I.—DRY SYSTEMS OF REMOVAL.

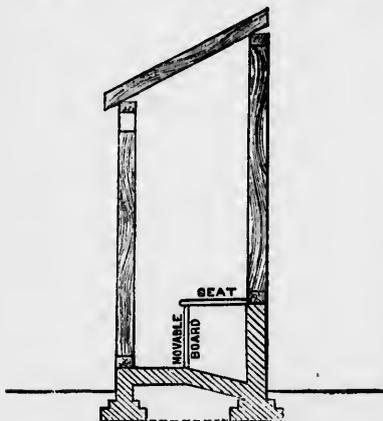
First, then, attention will be directed to the best methods of disposal in those cases where the water-carriage system cannot with advantage be adopted.

In this connection it will be found expedient to consider the question of the disposal of the whole refuse of the household. This consists of (1) ashes, dust, waste-paper, and other dry refuse not prejudicial to health; (2) kitchen-slops and vegetable and animal refuse; (3) bed-room slops, a mixture of wash-water and urine; (4) faecal matter and the accompanying urine. The usual method of disposal is to throw the first and second into the ash-heap, the third and fourth into the privy. From an examination of the numerous methods which have been tried with varying success both in Europe and the United States, one is led to the general conclusion that the true principle in these cases is to keep the liquid refuse separate from the solid and to dispose of the two in different ways. It is a matter of common observation that solid organic matter, if kept comparatively dry, is not subject to offensive putrefaction, while the reverse is the case when there is a certain quantity of water present, and a practical attention to this fact will obviate those putrefying masses which now form such offensive abominations in our midst.

The subject naturally divides itself, then, into two portions, which require separate consideration, viz.: the disposal of (a) solid refuse, and (b) liquid refuse.

SOLID REFUSE.

Of the various methods hitherto tried for the disposal of solid excrement there are three which seem to have met with a fair degree of success. These are—



HULL ASH-CLOSET. (SECTION.)
Intended to receive all the dry refuse of the household in addition to excrement.

1. *The Hull Ash-closet system.*
2. *The Dry Earth system.*
3. *The Rochdale Pail system.*

1. *The Hull Ash-closet system.*

In this closet the back, ends and floor of the receptacle under the seat are built of brick, laid in cement. The front side of the receptacle is a removable wooden piece, and the seat may be hinged. The floor is not sunk below the ground level, but slopes slightly from front to back. The whole is properly roofed in and ventilated. In the receptacle are deposited all the ashes, dust, waste-paper, solid kitchen refuse and excrement of the household. The small amount of urine that accompanies the excrement