

J. G. HAYES.
CESSPOOL AND TRAP.
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947,817.

Patented Feb. 1, 1910.

Fig. 1.

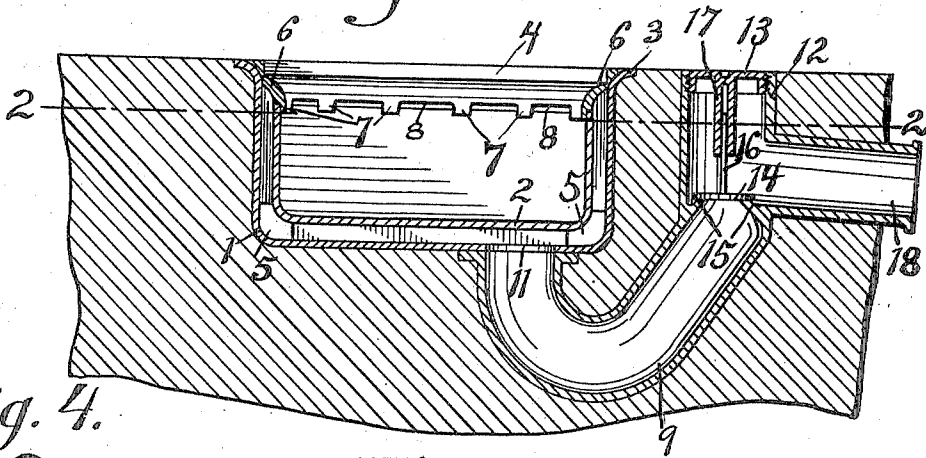


Fig. 4.

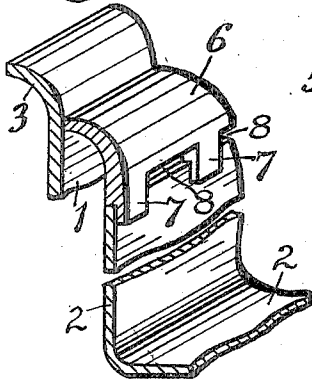


Fig. 2.

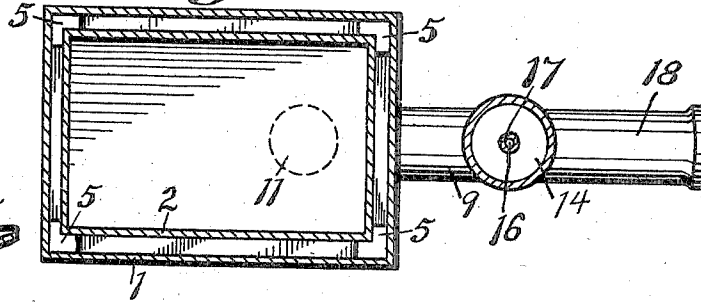
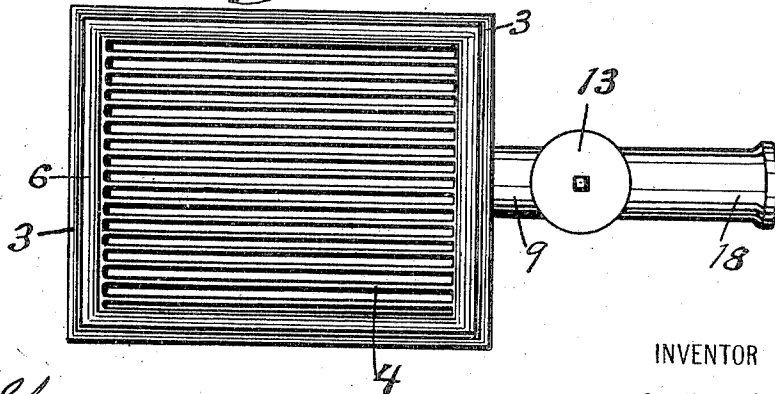


Fig. 3.



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CESSPOOL AND TRAP.

947,817.

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To all whom it may concern:

Be it known that I, JOSEPH G. HAYES, citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Cesspools and Traps, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to improvements in cess-pools or sinks and traps, as hereinafter described in this specification and particularly pointed out in the claim.

The objects of this invention are, to provide a sink or cess-pool having an interior catch or filtering basin and an exterior overflow basin; and a further object is to provide a suitable trap or water seal for said cess-pool or sink. I attain these objects by means of the sink or cess-pool illustrated in the accompanying drawings in which like numerals of reference designate like parts throughout the several views.

Figure 1 is a sectional elevation of my invention of a cess-pool and trap thereof, showing both embedded in the ground; Fig. 2 is a sectional top view of said cess-pool or sink, and taken along the line 2—2 in Fig. 1; and, Fig. 3 is a top view of said cess-pool and trap or sink preferably rectangular in form; and Fig. 4 is an enlarged broken-off detail sectional view of the deflector showing a supporting lug.

The cess-pool or sink is composed of the outer basin 1 and the inner removable catch-basin 2, both of which basins are preferably rectangular in form. The removable catch-basin 2 is preferably made slightly smaller and shallower than the outer basin 1 in order to provide water spaces between the exteriors of the walls of said inner basin 2 and the interiors of the walls of the outer basin 1, as seen in Figs. 1 and 2.

The top edge portion of the outer basin is provided with an outwardly curved or flared portion 3, and the protecting grate 4 fits into the said flared portion of said outer basin 1 to be flush with the top edge thereof. The removable basin 2 is situated centrally in the outer basin 1 and is supported in position therein by the corner bearing blocks 5 formed integral with the outer basin 1, so that said interior basin 2 may be readily removed out of the permanently fixed outer

basin 1 when occasion requires it, as the removal of mud, sand or other deposit.

The conductor 6 is preferably formed concave on its top surface and said concave surface is situated next to the under side of the grate 4, and the outer edges of said conductor fit into the interior top open portion of the outer basin 1. Distance and supporting lugs 7 are provided on the bottom edges of said conductor, to support and retain it at a fixed position beneath the grate 4, and, at the same time, to maintain it a sufficient distance above the top edge of the interior or catch-basin 2 to provide a space between the bottom edge of the conductor 6 and the top edge of the interior or catch-basin 2 to form an overflow space, whereby, when the interior basin 2 is filled to overflowing, the superfluous water may readily flow through said space into the outer basin 1. The bottom edges of the lugs 7 are jogged to fit into the open top side of the interior catch basin for the purpose of retaining said conductor in position over the open top side of said interior catch basin.

The trap 9 is provided with a flange which is fitted to the bottom of the basin 1 to form a water tight joint and is secured to the bottom of the basin 1 over the trap opening 11. On the outer end of the trap 8 is formed a clean-out 12 in which is screwed or otherwise secured the lid 12. A back water valve 14, preferably of aluminum, is seated on the valve seat 15 formed in the clean-out 12 of the trap 9, and the stem 16 of said valve is formed square and is of such a size that the corners thereof fit in the round bore of the guide 17 to work freely therein, so that said stem will slide longitudinally and freely in said guide and will not be liable to stick, being less liable to be clogged by dirt or other matter that may enter the bore of the guide 17 that may be carried in the water passing through the trap 9. Water passing into the trap 9 will readily raise the aluminum valve 14, it being a very light metal, to permit the water to pass into the spigot branch 18. The spigot 18 is formed integral on the trap 9 and may be connected to a sewer or other suitable service pipe for conveying waste water or sewage.

This entire apparatus, consisting of the cess-pool and the trap, is preferably em-

bedded in the ground or floor of a cellar, so
that the grate 4 will be flush with the surface
of the floor or ground. The removable lid
13 is also situated flush with the floor, so
5 that said lid 13 may be readily removed to
clean out the trap when occasion requires it.

I claim:

In a cess-pool, the combination with an
exterior basin having an open outwardly
10 flaring top side, a grate fitted in said open
outwardly flaring top-side, a removable
catch-basin having an open top side, said
basin situated centrally in said exterior, and
corner blocks formed integral with said ex-
15 terior basin upon which said interior remov-

able catch-basin rests, of a deflector having
an open upper flaring portion and a lower
open reduced portion, said deflector fitted
into the open outwardly flaring top side of
said exterior basin, depending supporting 20
lugs having jogged bottom end portions,
said lugs formed integral with said deflector,
and a suitable trap.

In testimony whereof I affix my signature
in presence of two witnesses.

JOSEPH G. HAYES.

Witnesses:

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