No. 844,451. PATENTED FEB. 19, 1907.

E. HELBER.

CESSPOOL.

APPLICATION FILED APR. 25, 1906.

Fig. 1.

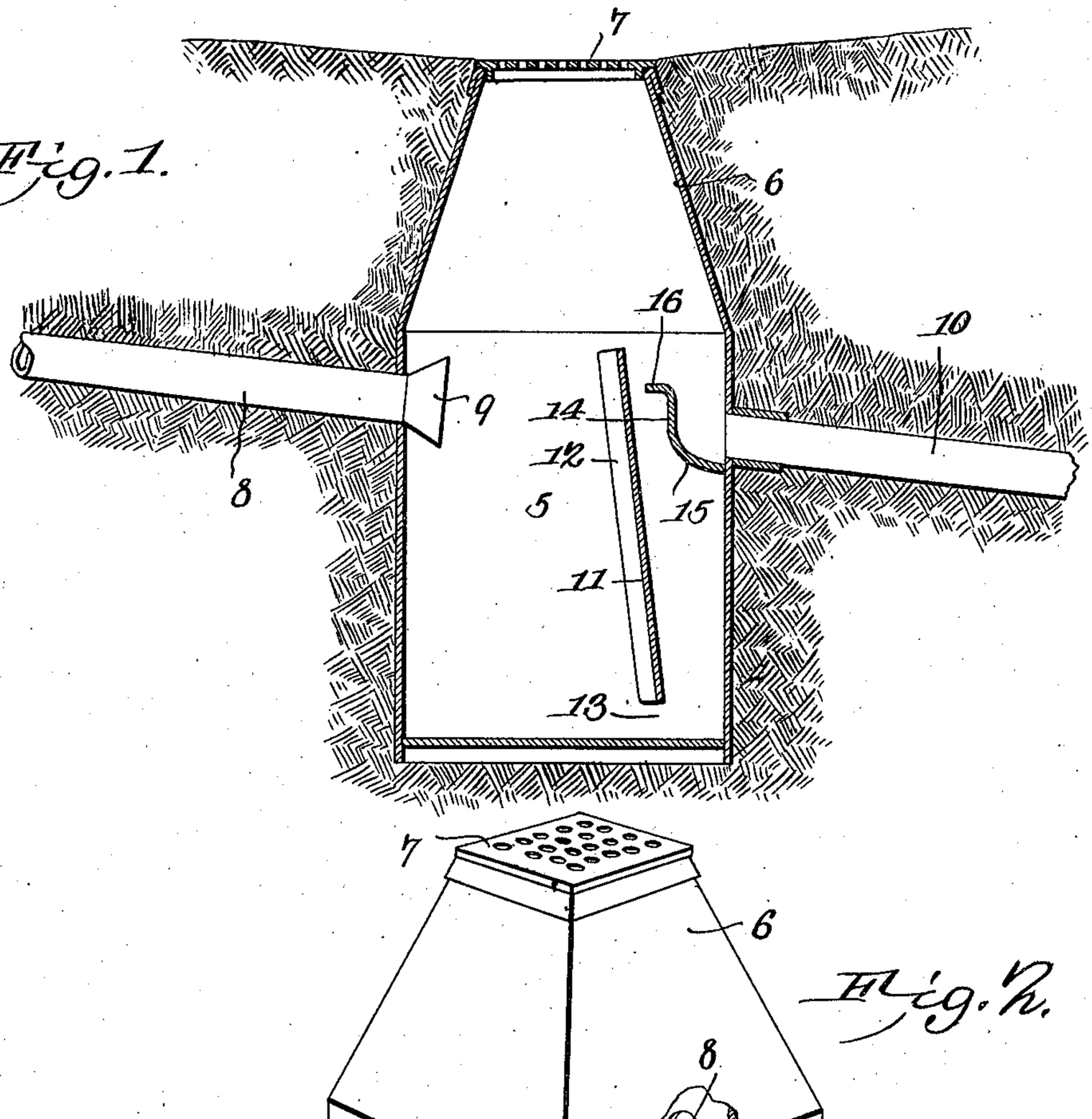
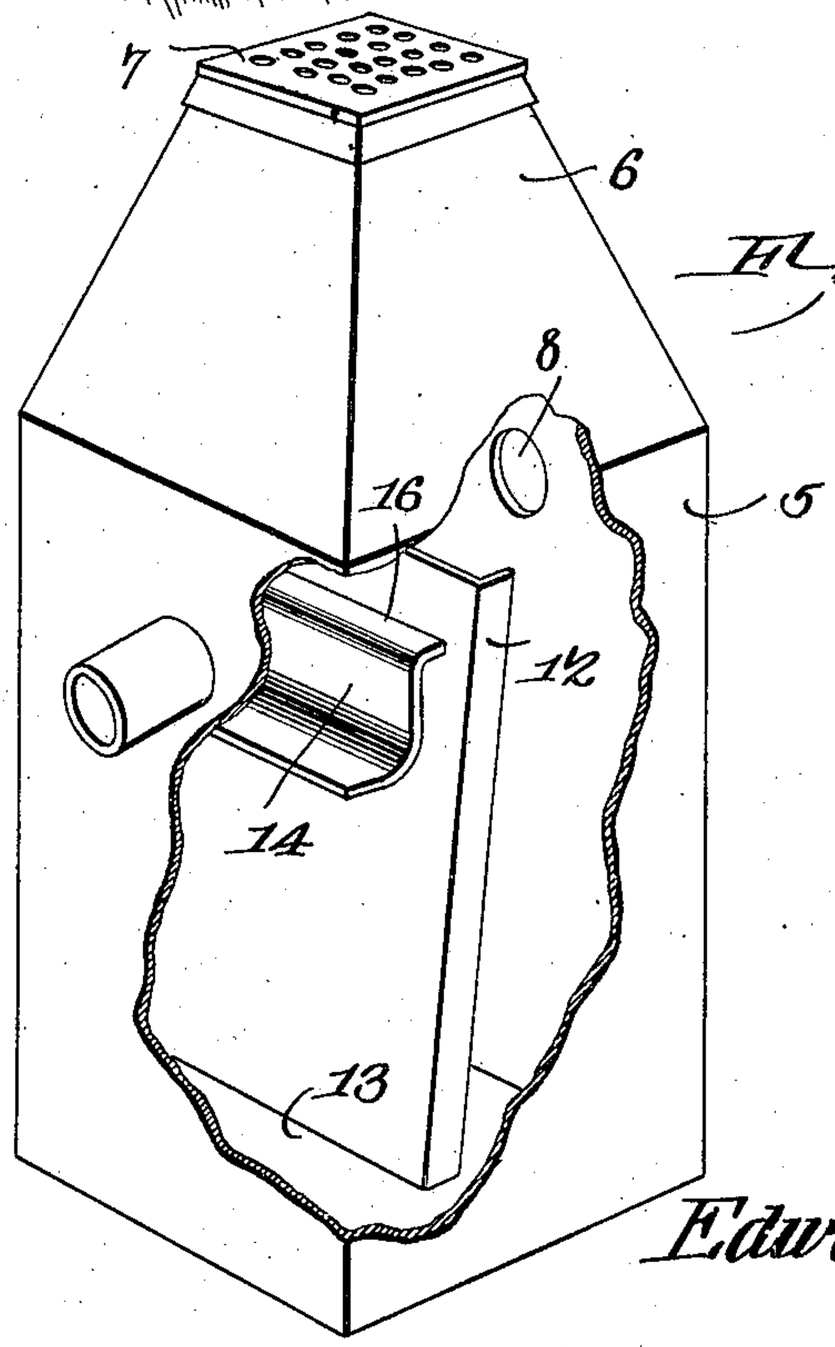


Fig. 2.



WITNESSES:

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EDWARD HELBER, OF FARMINGTON, MISSOURI.

CESSPOOL.

No. 844,451. Specification of Letters Patent. Patented Feb. 19, 1907.

Application filed April 25, 1906. Serial No. 313,711.

To all whom it may concern:

Be it known that I, EDWARD HELBER, a citizen of the United States, residing at Farmington, in the county of St. Francois and State of Missouri, have invented a new and useful Cesspool, of which the following is a specification.

This invention relates to sewer-traps or cesspools, and has for its object to provide a comparatively simple and inexpensive device of this character for collecting deposits of dirt and other foreign material so as to prevent the same from clogging or otherwise obstructing the liquid-conducting pipes or drains.

A further object of the invention is to provide a tank or settling-chamber having a transverse partition which serves to deflect the dirt and sediment from the inlet-pipe downwardly and cause the same to settle in the bottom of the tank, and, further, to provide a guard or shield for the outlet pipe or drain whereby leaves, twigs, and other floating material is effectually prevented from entering said outlet-pipe.

A still further object of the invention is to generally improve this class of devices so as to increase their utility, durability, and efficiency, as well as to reduce the cost of manufacture.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, and illustrated in the accompanying drawings, it being understood that various changes in form, proportions, and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings, forming a part of this specification, Figure 1 is a longitudinal sectional view of a cesspool or trap constructed in accordance with my invention. Fig. 2 is a perspective view of the trap, a portion of the side walls being broken away to show the interior construction of the same.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved device consists of a tank or settling-chamber 5, preferably rectangular in shape, as shown, and formed of metal or other suitable material, said tank having its side walls converging toward the top thereof to form a reduced neck 6, the mouth of which is normally closed by a perforated cover 7. Extending through an opening in one of the side walls of the tank and communicating with the interior walls of the latter is an inlet pipe or drain 8, having its free end flared laterally at 9, and seated in a similar opening in the opposite wall of the tank is an outlet drain or pipe 10, preferably disposed a short distance below the longitudinal plane of the drain 8, as shown. Extending transversely of the tank is a partition 11, provided with flanges 12 for attachment to the interior walls of the tank, as shown, said partition being spaced from the bottom of the tank to form a passage 13 to permit the water from the inlet-drain to escape through the outlet drain or pipe 10. The partition 11 is inclined or disposed at an angle to the adjacent side wall of the tank, so as to deflect the dirt and other sediment entering by the inlet-pipe 8 downwardly in the bottom of the settling-chamber, and thus prevent clogging or otherwise obstructing the drains. Secured to the walls of the tank at a point adjacent the outlet pipe or drain 10 is a guard or shield 14, the free end of which is curved upwardly and terminates in a laterally-extending flange or lip 16, which serves to prevent leaves, twigs, and other floating material from entering the discharge pipe or drain 10. It will thus be seen that dirt and other sediment entering through the inlet-pipe will settle at the bottom of the tank or chamber and that the same may be conveniently removed when necessary by removing the top or closure 7. The tank or settling-chamber may be made in different sizes and shapes, and, if desired, a solid stone slab may be used in place of the perforated metal cover for closing the top of the tank.

From the foregoing description it will be seen that there is provided an extremely simple and inexpensive device admirably adapted for the attainment of the ends in view.

Having thus described the invention, what is claimed is—

A tank provided with oppositely-disposed openings disposed at different distances from the bottom of the tank, an inlet-pipe seated in one of said openings and having its free end flared laterally, a discharge-pipe seated

in the opposite opening, an inclined partition extending transversely of the tank and spaced from the top and bottom thereof, and a guard secured to the walls of the tank at the mouth of the discharge-pipe and having its free end spaced laterally from said walls and terminating in a laterally-extending lip.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

EDWARD HELBER.

Witnesses:

S. J. HENSLEY,

THOS. H. HOLMAN.