

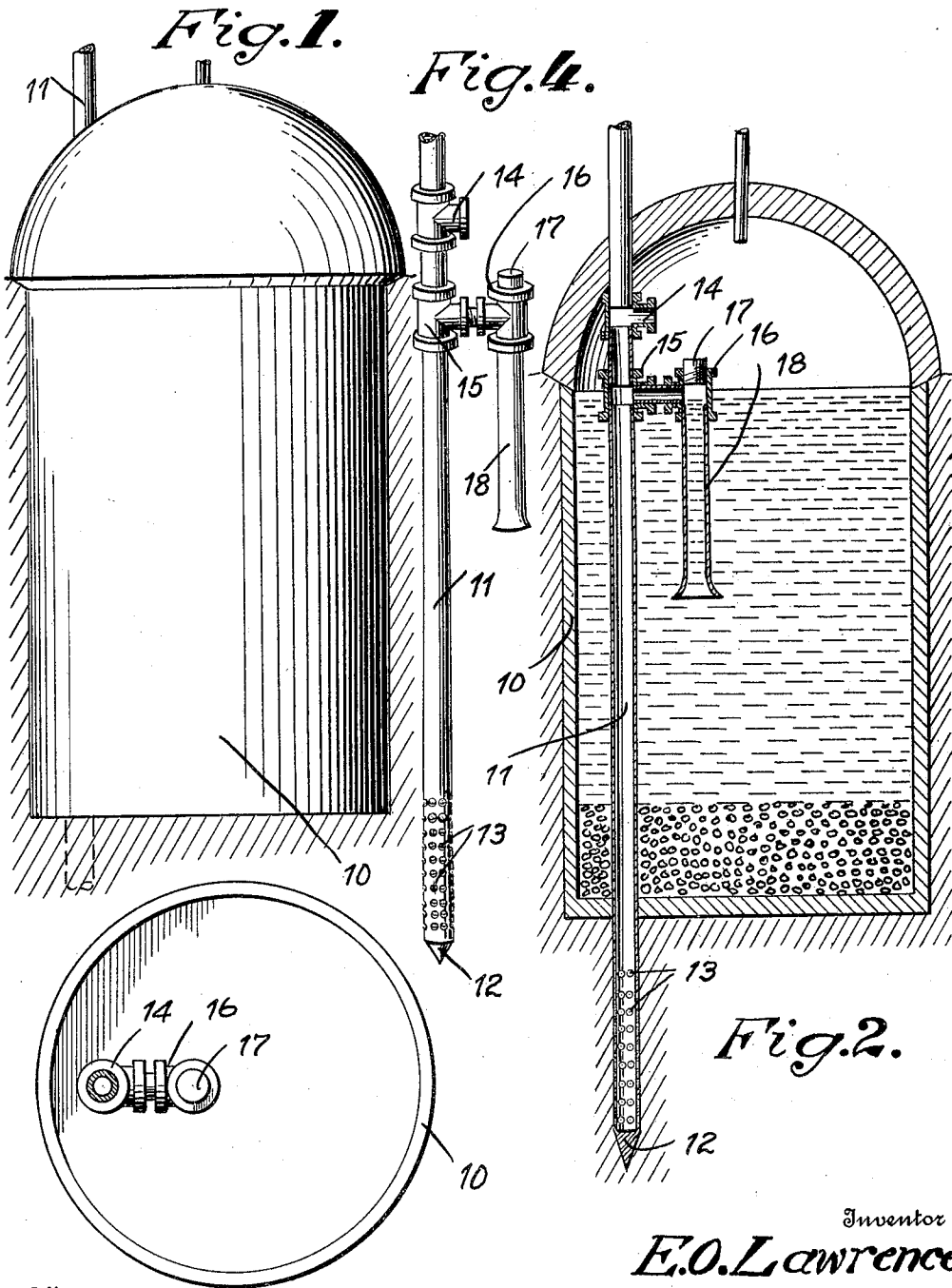
E. O. LAWRENCE.

CESSPOOL.

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1,102,674.

Patented July 7, 1914.



Witnesses

M. S. Watson *Fig. 3.*

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To all whom it may concern:

Be it known that I, EDWIN O. LAWRENCE, a citizen of the United States, residing at Port Jefferson Station, in the county of Suffolk, State of New York, have invented certain new and useful Improvements in Cess-pools; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to cess pools and has for an object to provide an overflow pipe which prevents flooding of the cess pool by drawing from the center of the cess pool.

A further object is to provide an overflow pipe which will not get clogged, and which will further be vented to provide for the escape of odors through the vent pipe from the house sink or otherwise.

A still further object is to provide an extremely simple device of this character which may be constructed at a minimum cost and which will not easily get out of order.

With the above objects in view the invention consists of certain novel details of construction and combination of parts herein after fully described and claimed, it being understood that various modifications may be made in the minor details of construction within the scope of the appended claim.

In the accompanying drawing illustrating this invention:—Figure 1 is a side elevation of my improved cess pool. Fig. 2 is a longitudinal sectional view through the parts shown in Fig. 1. Fig. 3 is a plan view. Fig. 4 is a detail perspective view of the draw off or overflow pipe.

Referring now to the drawing in which like characters of reference designate similar parts, 10 designates a cylindrical cess pool which may be formed of brick or otherwise and is of ordinary construction and has an intake pipe through the uppermost portion of its top as illustrated.

In carrying out my invention I insert a straight pipe 11 through the bottom of the cess pool, the pipe extending considerably below the bottom and being equipped with a pointed ground penetrating extremity 12 whereby the pipe may be driven into the ground until a vein of sand or water is

struck. The pipe is provided in the sides with a plurality of outlet openings 13 just in rear of the penetrating point to facilitate the contents escaping into the sand and being dissipated. The pipe extends upwardly through the cess pool and is preferably connected at the upper end in any preferred manner to the vent pipe of the house sink, there being a T-coupling 14 inserted in the pipe above the highest level which the water in the cess pool may reach, the lateral branch of the T-coupling facilitating the odors and foul gases from the cess pool, entering the pipe and being led off through the vent pipe of the sink. There is a second T-coupling 15 inserted in the pipe at or just below the highest water level in the cess pool, the lateral branch of this coupling being connected with the lateral branch of a second T-coupling 16, one of the aligned branches of the latter being closed by a plug 17, and the other being connected to a depending pipe 18 which is disposed parallel with the pipe 11 and extends to about the center of the cess pool, this pipe 18 being open at the bottom.

In operation, when the cess pool becomes filled to overflowing, the water will escape through the pipe 18, T-couplings 16 and 15 and down through the pipe 11 into the sand. The cess pool is always full and the grease floating on top gives the microbes a chance to do away with the solids at the bottom of the cess pool, therefore the cess pool never becomes full of solids up to the pipe 18.

What is claimed, is:—

The combination with a cess pool for sewerage of an outlet pipe extending vertically through the cess pool and terminating at the lower end below the cess pool and being there provided with outlet openings, an intake pipe adapted to be submerged in the contents of the cess pool and having a horizontal pipe connection at the upper end with said outlet pipe, the intake end of said intake pipe being disposed at about the center of said cess pool and said horizontal pipe connection at about the normal high water level of said cess pool whereby liquid enters said intake pipe from the center of the cess pool and escapes through said pipe connection into said outlet pipe, the solid matter accumulating in the bottom of said cess pool below said intake pipe while the

grease accumulates on the water surface of said cess pool and facilitates the microbes destroying said solid contents whereby said cess pool never becomes full of solid matter, and a vent pipe connected to said outlet pipe and having an intake opening above the liquid level of said cess pool.

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

EDWIN OSCAR LAWRENCE.

Witnesses:

GILBERT E. LOPER,
A. JAY TEFFT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."