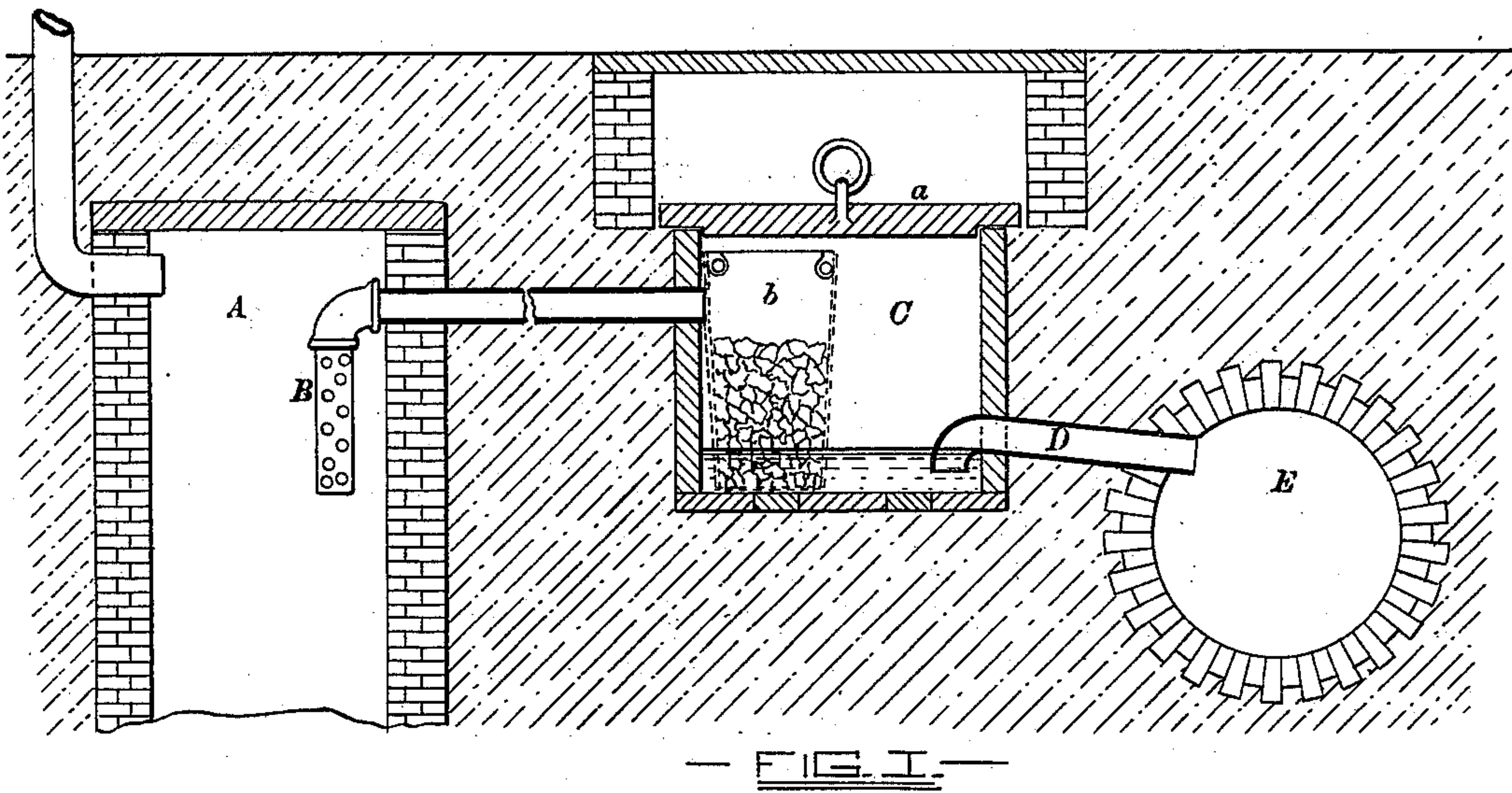


(No Model.)

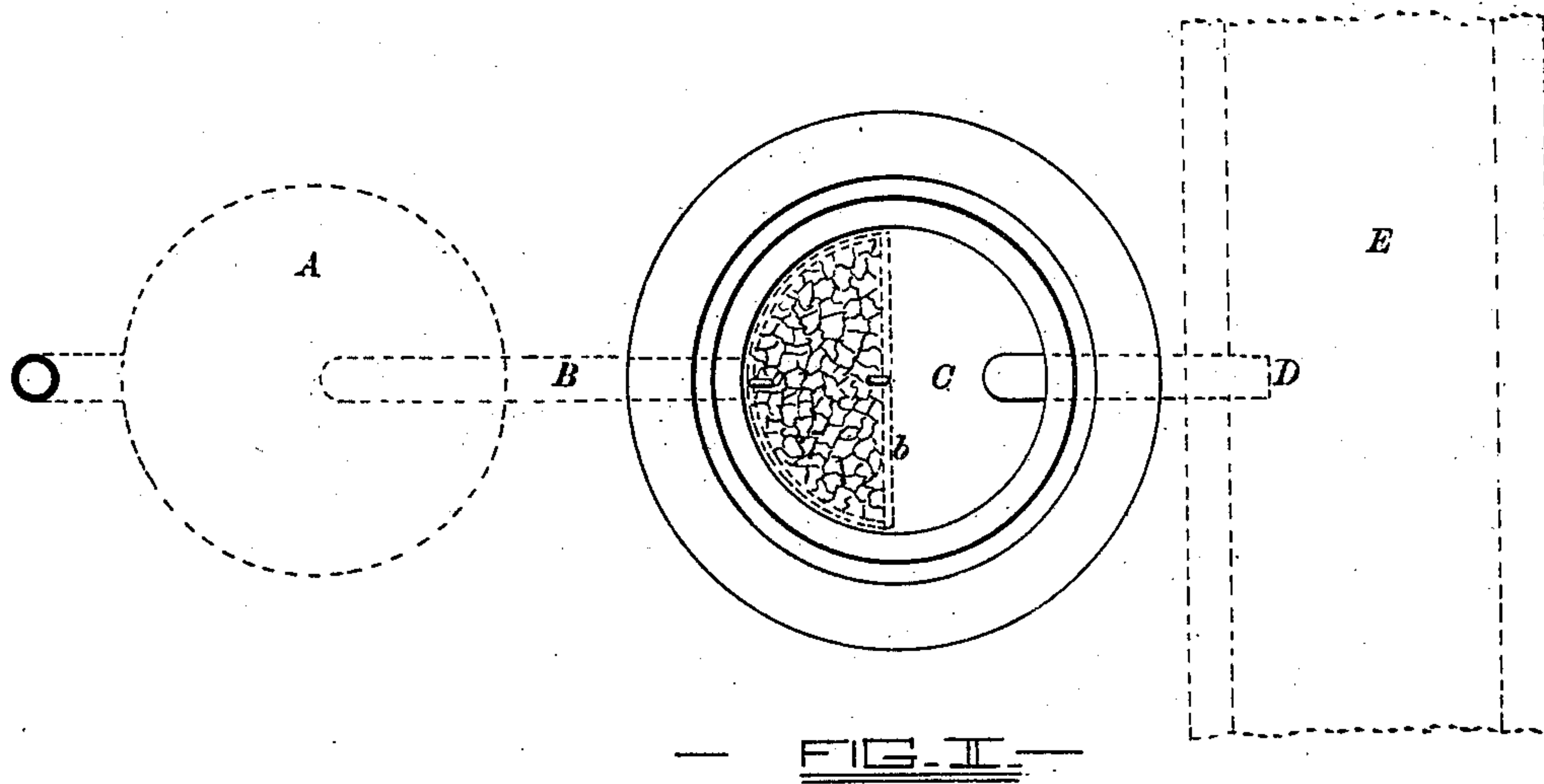
G. W. ALEXANDER.
Overflow Apparatus for Cesspools.

No. 237,796.

Patented Feb. 15, 1881.



— FIG. I. —



— FIG. II. —

— WITNESSES —

X *Geo. A. Boyden,*
Harry V. Albaugh.

— INVENTOR —

George W. Alexander,
by G. H. W. Howard,
Atty.

UNITED STATES PATENT OFFICE.

GEORGE W. ALEXANDER, OF BALTIMORE, MARYLAND, ASSIGNOR OF
THREE-EIGHTHS TO CLINTON A. WRIGHT AND ONE-FOURTH TO
JAMES A. STEWART, OF SAME PLACE.

OVERFLOW APPARATUS FOR CESSPOOLS.

SPECIFICATION forming part of Letters Patent No. 237,796, dated February 15, 1881.

Application filed December 9, 1880. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. ALEXANDER, of the city of Baltimore and State of Maryland, have invented certain Improvements in Overflow Apparatus for Cesspools, &c., of which the following is a specification; and I do hereby declare that in the same is contained a full, clear, and exact description of my said invention, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention relates to means for deodorizing and disinfecting the overflow-water from cesspools, in order that the same may be discharged to a sewer.

In carrying out my invention I provide the cesspool with an overflow-pipe having preferably a strainer at the inner end thereof, which extends to the sewer to which the overflow-water is to be discharged, and located in the said overflow-pipe is a deodorizing and disinfecting trap of peculiar construction, which separates from the overflow-water the offensive and injurious matter contained therein.

In the further description of my said invention which follows reference is made to the accompanying drawings, forming a part hereof, and in which—

Figure I is a vertical section of the invention, and Fig. II a plan of the same.

Similar letters of reference indicate similar parts in both the views.

A is the cesspool or sink into which fecal and other waste matter is introduced.

B is the overflow-pipe, having a strainer at its inner end to prevent the entrance to the pipe of the larger solid portions of the contents of the sink.

C is a well, situate, like the sink, in the ground, to which the outer end of the overflow-pipe is connected. The well C has a removable cover, *a*, accessible from the surface of the ground; and a removable basket, *b*, containing charcoal or other suitable disinfecting and deodorizing material, is placed in the well in such position as to receive the overflow-water as it enters the same. The overflow-water, after percolating through the charcoal, is discharged through the pipe D to the sewer E.

The inner end of the discharge-pipe D is bent downward, as shown, so as to be below the

main part of the pipe, and thereby form a trap to prevent noxious gases passing from the sewer when the water in the well is below the upper inner surface of the pipe D, as shown in the drawings.

The basket *b* is provided with devices—such as eyebolts or handles—whereby the same may be lifted out when the disinfecting and deodorizing material is changed.

The operation of the invention is as follows: When the water in the cesspool or pit rises to a point on a line with the horizontal portion of the pipe B it overflows to the well C, and is received by the basket *b* therein, which holds the offensive matter contained in the water and allows the cleansed liquid to pass to the bottom of the well. Upon the water rising in the well to the horizontal portion of the discharge-pipe D it is carried to the sewer E. The inner end of the discharge-pipe D being turned downward in the well, as shown, a trap is formed which prevents gases flowing from the sewer when no discharge of water is taking place, as will be readily understood.

This invention obviates the difficulty of ridding cesspools of water introduced thereto from water-closets without contaminating sewers, and at the same time the frequent cleaning out of the cesspool is rendered unnecessary, which is a great saving of expense.

I claim as my invention—

1. In combination with a cesspool, an overflow-pipe, a well connected to the said cesspool by the said pipe, a body of deodorizing and disinfecting material located in the said well, and a discharge-pipe leading from the said well to a sewer, substantially as herein specified.

2. In combination with a cesspool, an overflow-pipe leading from the same, a well situated in such position as to receive the overflow-water, a removable basket for charcoal or other like disinfecting and deodorizing material, and a discharge-pipe leading from the said well to a sewer, having its inner end in the well turned downward to form a trap for gases, substantially as herein specified.

GEORGE W. ALEXANDER.

Witnesses:

WM. T. HOWARD,
JNO. T. MADDOX.