

A. STUBBE.
SINK TRAP.

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1,175,836.

Patented Mar. 14, 1916.

Fig. 1.

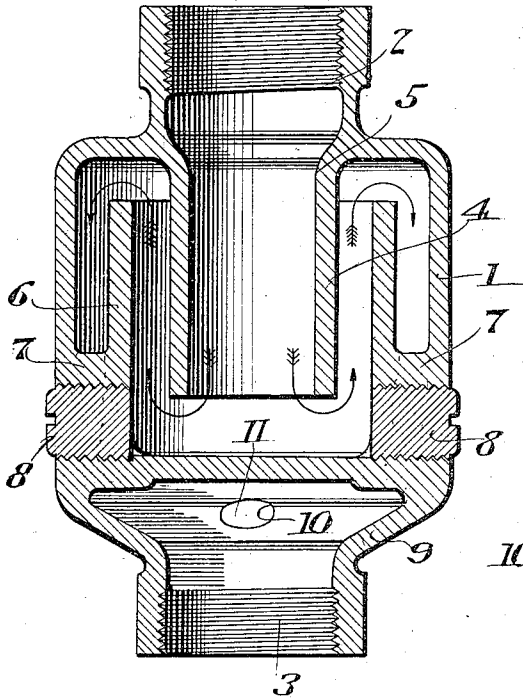


Fig. 2.

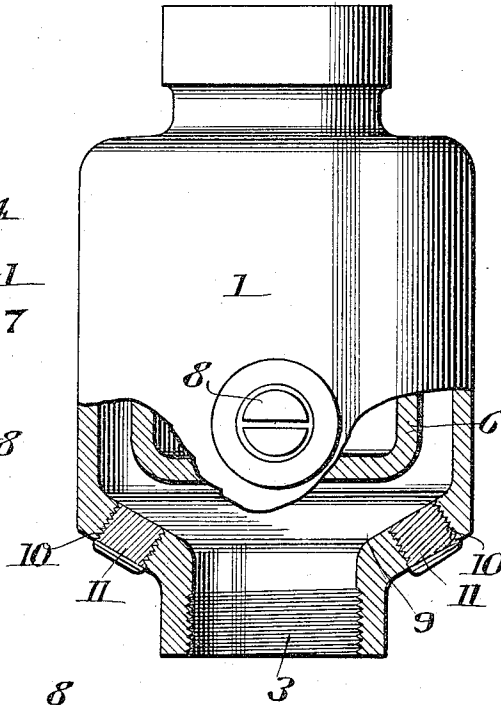
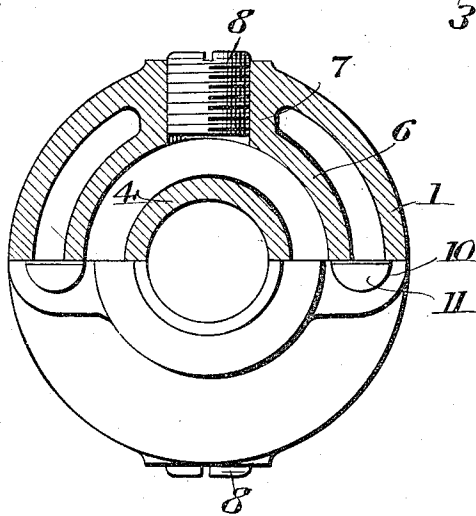


Fig. 3.



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SINK-TRAP.

1.175,836.

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To all whom it may concern:

Be it known that I, ADOLF STUBBE, a citizen of the United States, residing at Kewanee, in the county of Henry and State of Illinois, have invented new and useful Improvements in Sink-Traps, of which the following is a specification.

This invention relates to sink traps and consists in the novel features hereinafter described and claimed.

An object of the invention is to provide a trap of simple construction having its features compactly arranged whereby the trap may be applied in places where space is limited.

A further object of the invention is to provide in a trap an inlet and an outlet in alinement with each other whereby the trap may be accurately placed in the straight pipe without difficulty.

In the accompanying drawing:—Figure 1 is a vertical sectional view of the trap. Fig. 2 is a side elevation of the same with parts in section. Fig. 3 is a bottom view of the same with parts in section.

The trap comprises a body 1 provided at its upper side with an inlet opening 2 and and at its lower side with an outlet opening 3. The said openings 2 and 3 are in alinement with each other. An annular skirt 4 depends from the top of the body 1 and is formed integral with the same. The said skirt is provided at its upper end with an interiorly located shoulder 5 which is positioned just below the inlet opening 2 of the body 1. Below the shoulder 5 the interior dimension of the skirt 4 is uniform throughout the length of the skirt. A cup 6 receives the lower portion of the skirt 4 and the inner walls of the said cup 6 are spaced from the outer surfaces of the said skirt. The lower end of the skirt 4 terminates short of the bottom of the cup 6. The cup 6 is provided at its lower portion with hubs 7 which join with the sides of the body 1. The said hubs are open from end to end and are adapted to receive plugs 8 which may be screw threaded therein. The outer surfaces of the walls of the cup 6 are spaced from the inner surfaces of the walls of the body 1 and the hubs 7 are spaced from each other as most clearly indicated in the Fig. 3 of the drawing. The body 1 is provided at its lower end with an approximately concaved bottom 9 in which the outlet opening 3 is centrally positioned. The bottom 9 is

provided at points between the side walls of the body 1 and the opening 3 with other openings 10 less in diameter than the openings 3. Plugs 11 are screw threaded in the openings 10 and when in position therein serve as closures for the same.

In practice the outlet pipe of a sink (not shown) is connected with the inlet opening 2 of the body 1 and the waste pipe of a sewerage system (not shown) is connected with the outlet opening 3 of the body 1. Therefore as the water flows from the sink into the body 1 it first fills the cup 6 and the level of the water passes above the lower end of the skirt 4 and forms a liquid seal. The overflow from the cup 6 passes down between the outer surfaces of the cup and the surfaces of the side walls of the body 1 and between the hubs 7 and out through the outlet opening 3. When it is desired to get at the interior of the cup 6 for the purpose of cleaning the same the plugs 8 may be removed and when it is desired to clean the lower portion of the body 1 below the bottom of the cup 6 the plugs 11 are removed.

From the above description taken in conjunction with the accompanying drawing it will be seen that a sink trap of simple and durable construction is provided and that the parts are compactly assembled whereby the trap may be positioned at points where space is limited and inasmuch as the inlet opening and outlet opening of the body of the trap are in alinement with each other the trap may be conveniently positioned in a straightway pipe without difficulty and without distorting the straight line of the pipe.

Having thus described the invention what is claimed is:—

1. A trap comprising a body having inlet and outlet openings at its upper and lower ends respectively, a skirt depending from the end of the body provided with the inlet opening, a cup located in the body and receiving the lower portion of the skirt, the lower edge of the skirt being spaced from the bottom of the cup, the upper edge of the cup being spaced from the top of the body, the outer surfaces of the cup being spaced from the inner surfaces of the walls of the body, hubs having openings therethrough, said hubs joining the cup with the side walls of the body and plugs detachably mounted in the openings of the hubs.

2. A trap comprising a body having inlet

and outlet openings at its upper and lower ends respectively, a skirt depending from the inlet opening of the body, a cup located in the body and receiving the lower portion of the skirt, the lower edge of the skirt being spaced from the bottom of the cup, the upper edge of the cup and the outer surfaces of its walls being spaced from the walls of the body, hubs connecting the lower portion of the cup with the side walls of the body, said hubs being open from end to end, plugs detachably mounted in the hub, said

body having a substantially concaved bottom in which the outlet opening is located, the said bottom being provided between the side walls of the body and the outlet opening with other openings and plugs detachably mounted in the last mentioned opening. 15

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

ADOLF STUBBE.

Witnesses:

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