

TRAP.

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934,664.

Fig. 2

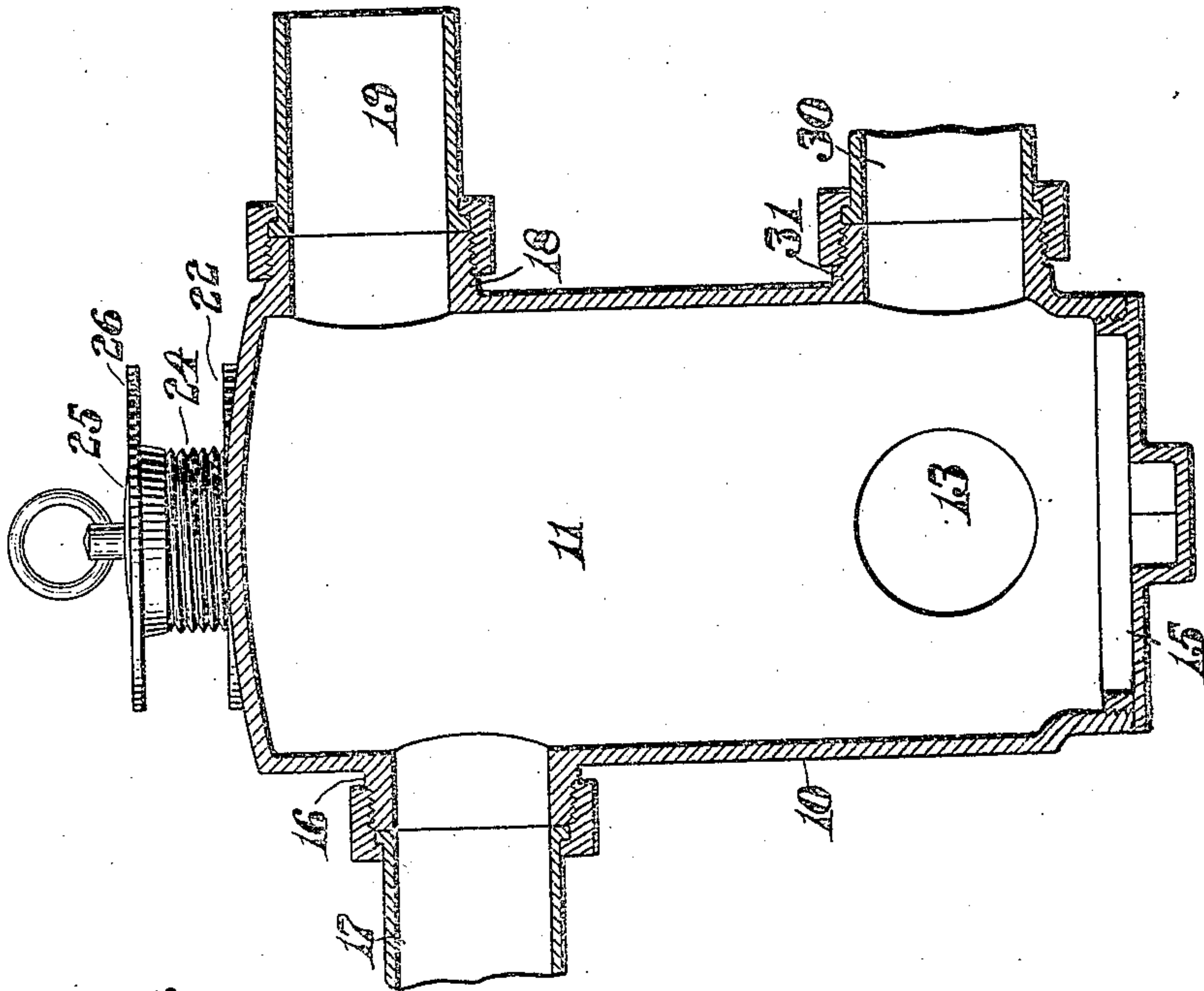
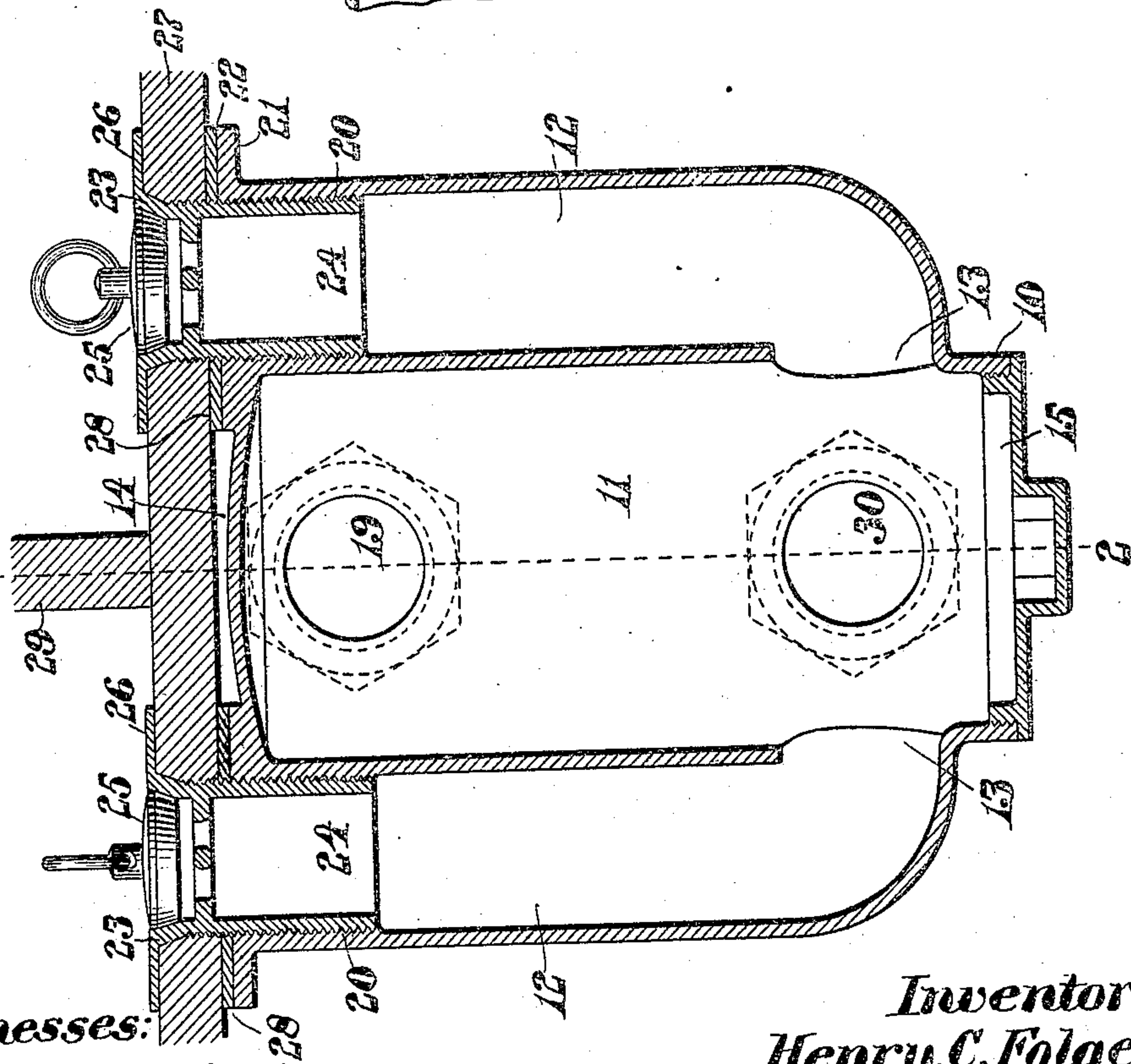


Fig. 1



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UNITED STATES PATENT OFFICE.

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TRAP.

934,664.

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To all whom it may concern:

Be it known that I, HENRY C. FOLGER, a citizen of the United States of America, and a resident of Medford, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Traps, of which the following is a specification.

This invention relates to traps and has for its particular object the production of a trap adapted for use beneath a pair of set tubs whereby the same trap may be used for each.

The invention consists in certain novel features of construction and arrangement of parts which will be readily understood by reference to the description of the drawings and to the claims hereinafter given.

Of the drawings: Figure 1 represents a vertical section of a trap embodying the features of this invention shown as applied to the bottom of a pair of set tubs, and Fig. 2 represents a transverse vertical section on line 2—2 on Fig. 1 shown removed from said tubs.

Similar characters designate like parts throughout the several figures of the drawings.

In the drawings, 10 represents a casing in which is formed the main chamber 11 and the inlet passages 12 communicating with the chamber 11 near the bottom thereof as at 13. The upper end of the chamber 11 is closed as at 14 while the lower end has threaded thereto the closing cap 15 by the removal of which the trap may be cleaned. The trap is made of any well-known cast metal and has cut therewith the threaded hub 16 to which the waste pipe 17 may be coupled in any well-known manner. On the opposite side of the trap the threaded boss 18 has similarly secured thereto the vent 19 of any suitable construction.

The upper ends of the inlet passages 12 are threaded at 20 and the casing at this point is provided with an annular flange 21 having a flat upper surface 22, said flat surface being slightly above the closed end of the casing 10. A strainer plug 23 is provided with a cylindrical portion 24 having a male thread adapted to co-act with the threads 20 in the mouth of the inlet passage 12. The strainer plug 23 is provided in the usual manner with a stopper 25 and also

with a flange 26 the under face of which is adapted to bear against the upper face of the bottom 27 of the set tubs when the cylindrical portion 24 has been passed through an opening in said bottom and threaded to the threaded portion of the inlets 12. The face 22 of the casing 10 is adapted to bear against a washer 28 surrounding said tubular portion 24 and bearing against the under face of the bottom 27. When the strainer plug 23 has been secured firmly to its seat the flexible washer 28 will be compressed to prevent leakage. A pipe 30 threaded to a boss 31 communicates with the main chamber 11 near the bottom thereof and may extend to the outlet of a sink located in the vicinity of the tubs.

It is obvious that by the use of a trap of this construction a single trap beneath the partition 29 of the tubs may be utilized for a pair of tubs thereby saving considerable expense in construction and if desired may be used for a sink also. By providing a cast metal trap such as is shown with bearing faces 22 the top thereof adapted to bear directly against the under face of the tub bottom there is a great economy in space and material used in making the connections. Another great advantage of a trap of this construction is that the trap is brought nearer to the tub bottoms thereby making the device more effective in operation.

It is believed that from the foregoing the operation of the invention will be thoroughly understood without any further description.

Having thus described my invention, I claim:

1. In a trap, the combination of a casing provided with three vertical chambers, the outer of which are open at the top and communicate at the bottom with the central chamber which is closed at the top; strainer plugs adapted to co-act with said open ends; and means for securing said plugs to said casing.

2. In a trap, the combination of a casing provided with three parallel vertical chambers made integral, the central of which is closed at the top and is relatively larger than the outer ones which are open at the top and communicate with the central chamber at the bottom; an outlet pipe communicating with the central chamber near the

top; and strainer plugs threaded to the open ends of said inlet passages and adapted to secure said trap to the bottom of a tank.

3. In a trap, the combination of a casing
5 provided with a main chamber closed at the top and inlet passages on either side thereof communicating therewith at the bottom, said casing having a flat upper surface adapted
10 to bear against the under side of the bottom of a tank; and flanged strainer plugs passing through said bottom adapted to cooperate with said inlet passages to hold said trap
in position.

4. As a new article of manufacture, a cast
15 metal trap provided with a main chamber closed at the top and closed by a threaded cap at the bottom, and having two inlet passages outside of said main chamber communicating therewith at the bottom, said
20 passages being provided with interiorly threaded mouths; and a tubular strainer plug provided with a male thread to co-act with said threaded mouth.

5. As a new article of manufacture, a cast
25 metal trap provided with a main chamber

closed at the top and closed by a threaded cap at the bottom, and having two inlet passages outside of said main chamber communicating therewith at the bottom, said passages being provided with interiorly
30 threaded mouths; and a tubular strainer plug provided with a male thread to co-act with said threaded mouth and having a flange adapted to bear upon the upper surface of the tank bottom to which the trap
35 is to be applied.

6. As a new article of manufacture, a trap for set tubs provided with a main chamber closed at the top and an inlet passage parallel thereto for each of two adjacent tubs;
40 and a flanged strainer plug provided with a cylindrical portion passing through the bottom of each of said tubs and threaded to said casing in continuation of said inlet passages.

Signed by me at 4 Post Office Sq., Boston,
Mass., this 13th day of January, 1909. 45

HENRY C. FOLGER.

Witnesses:

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