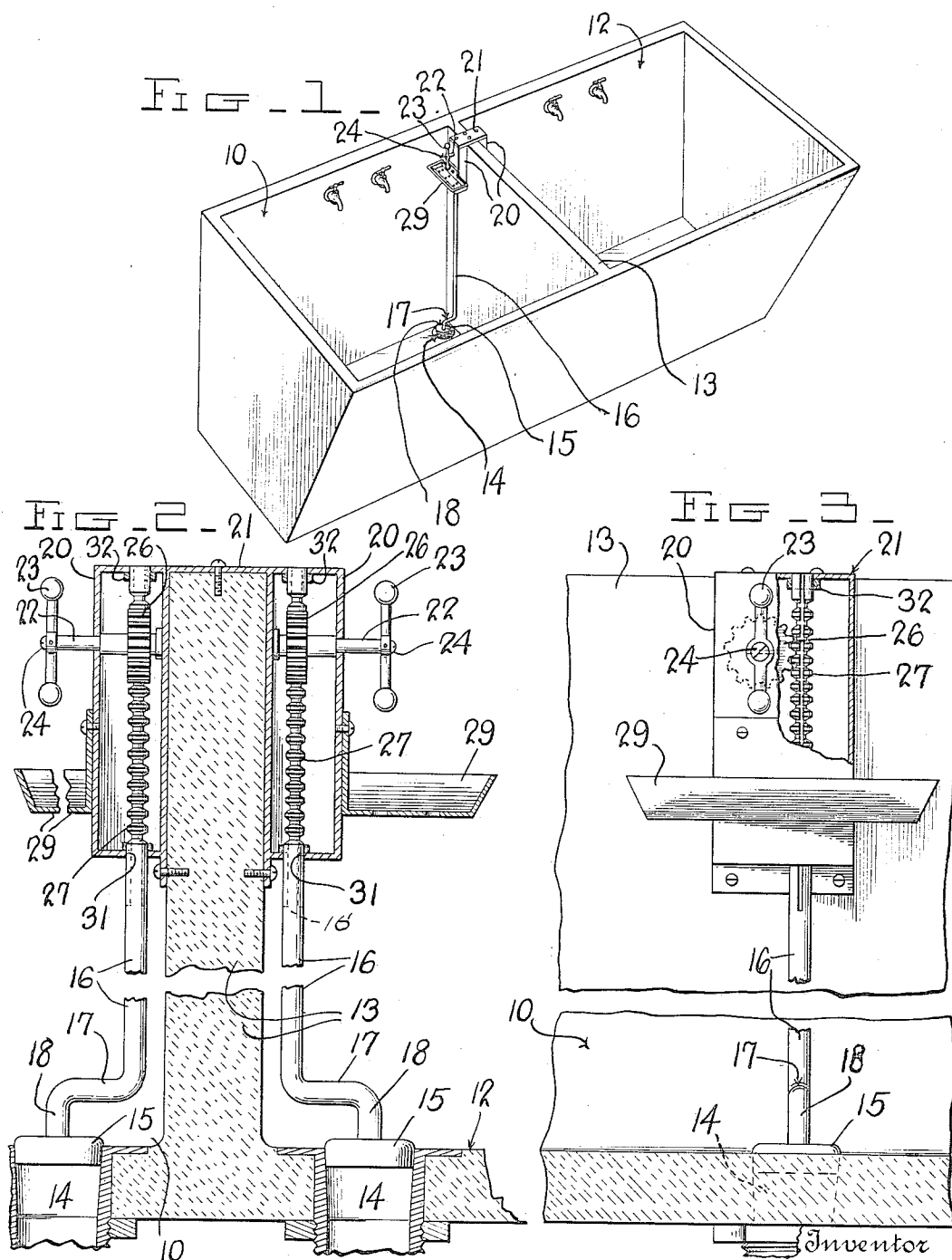


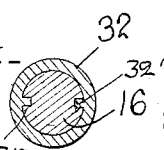
T. C. JENSEN.
 OUTLET VALVE FOR STATIONARY TUBS.
 APPLICATION FILED JULY 6, 1918.

1,288,013.

Patented Dec. 17, 1918.



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OUTLET-VALVE FOR STATIONARY TUBS.

1,288,013.

Specification of Letters Patent.

Patented Dec. 17, 1918.

Application filed July 6, 1918. Serial No. 243,512.

To all whom it may concern:

Be it known that I, TORBJORN C. JENSEN, a citizen of the United States, residing at Highwood, in the county of New Haven and State of Connecticut, have invented new and useful Improvements in Outlet-Valves for Stationary Tubs, of which the following is a specification.

This invention relates to outlet valves for stationary tubs, and the object is to provide a device adapted to be located near the upper portion of a stationary tub or the like, for the purpose of lifting the valve or stopper from the discharge outlet of the tub.

A further object is to provide in a device of the character indicated a rotatable hand operated member cooperating with a vertically movable member connected with the outlet valve or plug, and adapted to remove the latter from the outlet or waste opening, without the necessity of placing the hands in the water.

A still further object is to provide in connection with a valve or stopper of the usual or any desired type, a vertically located member connected therewith and provided with an offset portion whereby the vertical member may be located near the wall of the tub, and out of the way, said member being provided with engaging devices for cooperation with a rotatable member, operated by hand, the vertical member being adapted for partial rotation when the stopper has been lifted from the opening, permitting the latter to be moved out of the way when the stopper and vertical member are raised to an upper position.

With the foregoing and other objects in view, the invention consists in the novel construction, combination and arrangement of elements hereinafter described and claimed.

In the drawings,

Figure 1 is a perspective view showing the valve applied to a tub.

Fig. 2 is a vertical section showing means for operating two valves.

Fig. 3 is a detail in section and elevation.

Fig. 4 is a transverse section through the stem and a guiding member.

The device herein described is adapted to be attached to the wall of a tub adjacent the outlet or waste opening, and is especially adapted for attachment to the dividing wall between a plurality of tubs, operating means being provided in duplicate, whereby both stoppers or valves may be raised by the

manual operation of the rotatable member above mentioned.

The tubs are designated 10 and 12, respectively, and the dividing wall is shown at 13. The discharge or waste openings 14 are under the control of valve members or plugs 15 each carried by a vertically extending member 16 having an offset portion 17 near the lower end thereof. This offset portion 17 is deflected downwardly at 18 and the construction described permits of the location of the vertical member or operating rod 16 at a point adjacent to the wall 13, and therefore out of the way of articles placed in the tub. Attention is directed to the fact that in the use of this device there is no flexible member such as a chain which frequently causes trouble in the circumstances under which a tub of this kind is employed.

A plurality of casings 20 are mounted on opposite sides of the dividing wall 13 and at the upper edge thereof, and may be connected if desired by a horizontal or transverse member 21. Within each casing 20 a short shaft or spindle 22 is mounted and carries on the outer end thereof a handle or operating member 23 held in position by a screw 24. The inner end of each spindle is suitably mounted in the casing in which it is located. A gear wheel 26 is carried by each spindle and cooperates with a toothed portion 27 on the upper end of bar 16. The teeth may be formed in the manner indicated instead of forming true worm teeth, whereby the bar 16 may be rotated as specified for the purpose of throwing the valve member 15 to one side after the elevation thereof. A soap receptacle 29 may be carried by each casing member 20 in about the position shown.

The device may be made of brass including the valve member, if desired. It should be added that the member 16 has its bearing within the members of the casing at a point near the bottom of the casing and in the upper wall of the casing.

At the upper portion of the casing a collar 32 is located, this collar having inwardly extending ribs 32' as shown in Fig. 4, for cooperation with channels 35 in rod 16. Channels 16' may engage projecting elements in the apertured walls 31 of the lower plate of the casing. An annular channel in rod 16, at a point near the lower end of channels 16' will permit rod 16 to rotate after

being elevated to a given position, throwing stopper 15 to one side and out of the way.

What is claimed is:

1. In a device of the class described, a
5 vertically movable bar, a stopper carried by one end thereof the bar being offset at a point adjacent to the connection with the stopper and the upper end of the bar being provided with transversely extending
10 notches, and a rotatable member provided with teeth and adapted to engage said notches for elevating the bar, the bar being rotatable when elevated so that the valve is in an inoperative position.
- 15 2. In a device of the class described, a casing including a plurality of individual casing members, having upper, lower, and side walls, a transverse member connecting said casing members at the upper ends thereof

and adapted to engage the upper edge of a 20 dividing wall between a plurality of tubs, a vertically movable bar mounted within each casing member and having bearings in the upper and lower walls, said vertical bars being each provided with an offset portion 5 near its lower end, a valve carried by each bar and adapted to engage a valve seat out of alinement with the main axis of the bar, each bar being provided with transverse en-
gaging devices near its upper end, and a ro- 30 tatable member mounted within each casing member having its bearings in the side walls thereof and adapted to engage the notches of the corresponding bar for elevating said bar.

In testimony whereof I affix my signature. 35

TORBJORN C. JENSEN.