No. 667,834. Patented Feb. 12, 1901.

H. M. WEAVER.

BASIN WASTE.

(Application filed Sept. 27, 1899.)

(No Model.)

Fig. 1.

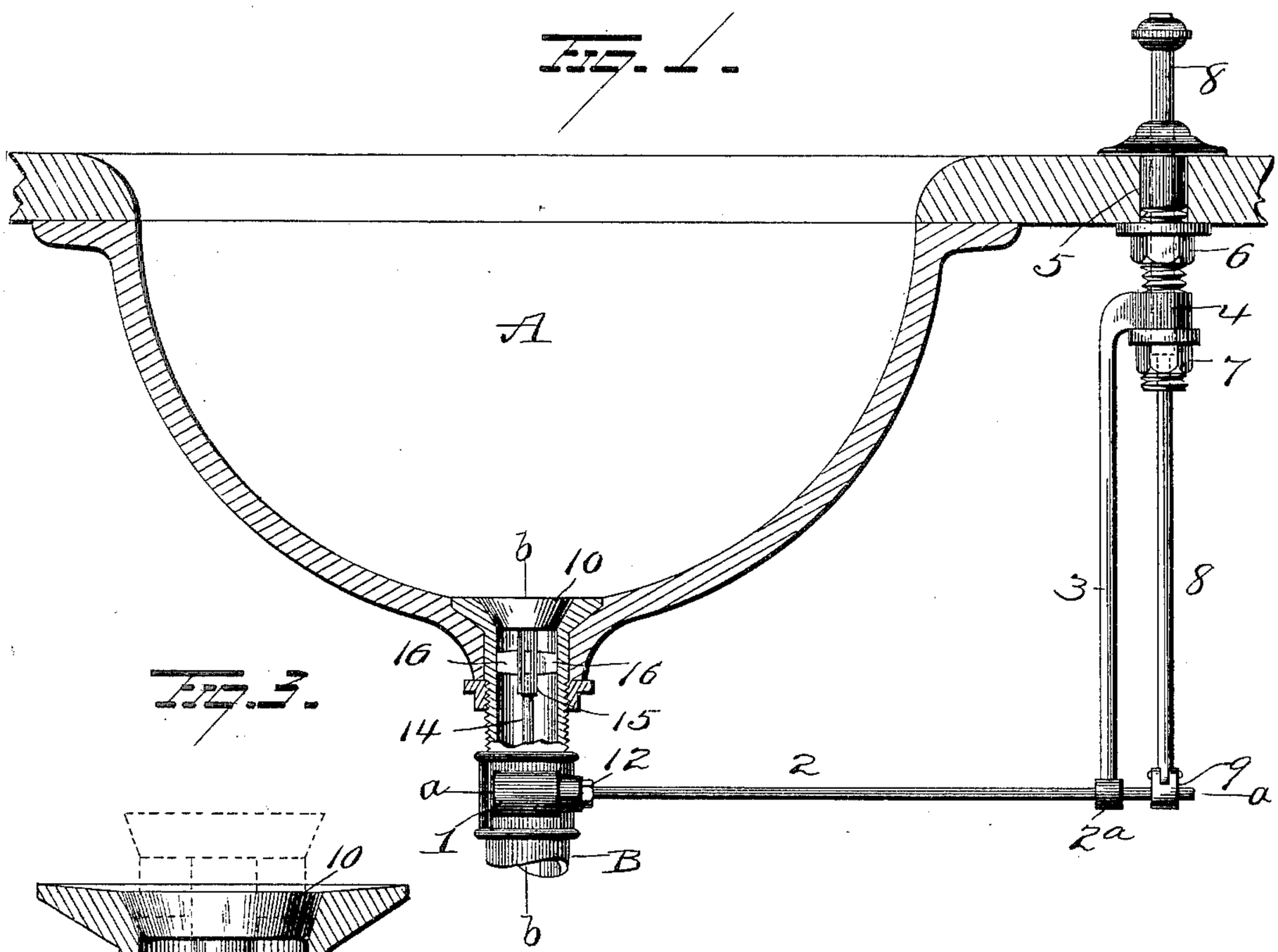

Fig. 3.

Fig. 2.

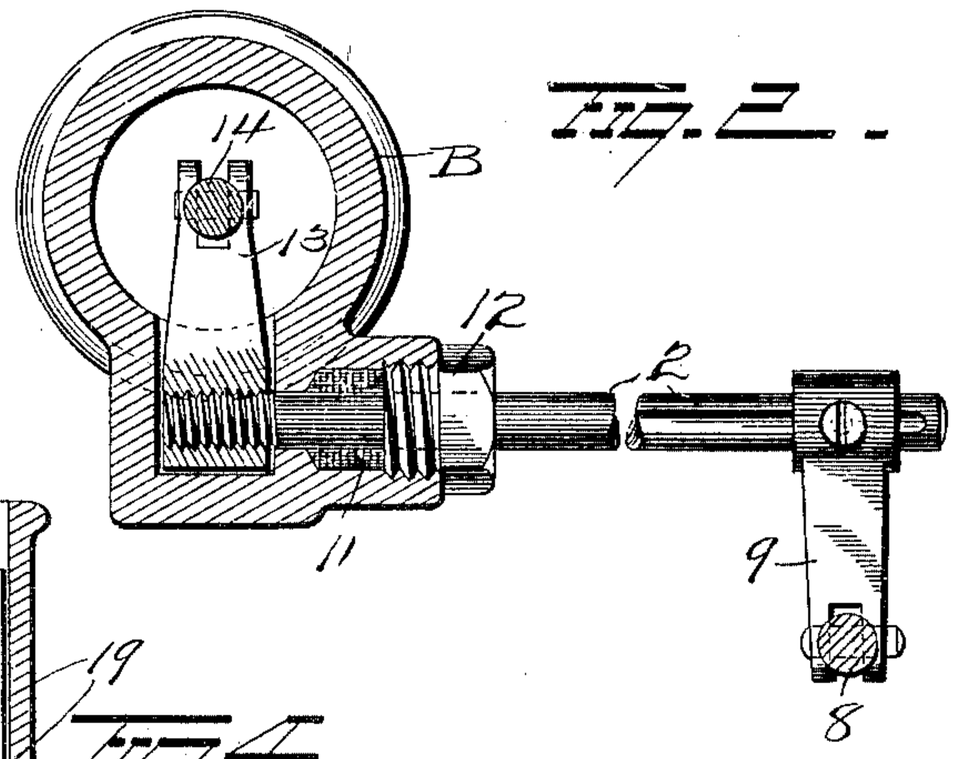

Fig. 4.

WITNESSES

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HENRY M. WEAVER, OF MANSFIELD, OHIO.

BASIN-WASTE.

SPECIFICATION forming part of Letters Patent No. 667,834, dated February 12, 1901.

Application filed September 27, 1899. Serial No. 731,846. (No model.)

To all whom it may concern:

Be it known that I, HENRY M. WEAVER, a resident of Mansfield, in the county of Richland and State of Ohio, have invented certain new and useful Improvements in Basin-Wastes; 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.

My invention relates to an improvement in basin-wastes, the object of the invention being to provide improved means for operating the plug-valve of a basin; and with this object in view the invention consists in a basin, a plug for the basin, a rock-shaft disposed to one side of the plug, an arm on said shaft adapted to engage the plug, and means for rocking said shaft.

The invention further consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view in vertical section, illustrating my improvements. Fig. 2 is a view in section on the line *a a* of Fig. 1. Fig. 3 is a view on the line *b b* of Fig. 1, and Fig. 4 is a view of a modified form of my invention.

A represents a basin of any approved form having an outlet-pipe B communicating with the bottom thereof. The pipe B is provided on one side with a stuffing-box 1, in which one end of a horizontal rock-shaft 2 is mounted. The other end of said rock-shaft is supported in a boss 2^a at the lower end of an arm or bracket 3, provided at its upper end with a ring 4, mounted on an externally-screw-threaded tube 5. The tube 5 is secured to the basin-frame by a suitable jam-nut 6, and the bracket 3 is prevented from displacement on the tube by means of a jam-nut 7. A headed operating-rod 8 extends through the tube 5 and is pivotally connected to an arm 9, projecting at right angles from the shaft 2, so that when said rod 8 is raised or lowered it will move the arm 9 to rock the shaft 2 and operate the plug-valve 10 to control the escape of water from the basin, as will now be described. A suitable packing 11 is provided around the shaft in the stuffing-box 1 and an externally-screw-threaded sleeve 12 is screwed into the stuffing-box to hold the packing in place and prevent any escape of water through the stuffing-box.

The shaft 2 in the stuffing-box is provided with an arm 13, projecting at right angles to the shaft and into the tube B, and to the inner end of the arm 13 an upright screw-threaded rod 14 is pivotally connected. The internally-screw-threaded tubular stem 15 of the plug-valve 10 is screwed onto the rod 14, and said stem is provided with strainers 16, as shown.

It will be seen that owing to the fact that my rock-shaft is disposed to one side of the pipe B, as clearly shown in Figs. 2 and 3, a very slight movement of the shaft will raise or lower the plug-valve 10 a sufficient distance to effectually perform its functions.

Instead of constructing the plug-valve and rock-shaft as heretofore described, I might construct the same as shown in Fig. 4. In this form of my invention the valve-stem is screwed onto a screw-threaded rod 17, projecting upward from a frame 18, having parallel integral lugs 19 thereon, between which an arm 20, secured to the rock-shaft 21, projects. It will thus be seen that when the rock-shaft is rocked the arm 20 will engage one or the other of said lugs 19 and raise or lower the plug-valve.

Various other slight changes might be resorted to in the general form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I would have it understood that I do not wish to limit myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination with a basin, a pipe communicating with the lower end thereof, a plug for closing said pipe, and a stem projecting from said plug, of a box communicating with said pipe, a revoluble shaft mounted at one

end in said box, an arm projecting from said shaft and positively connected with the stem of the valve, an arm on the outer end of said shaft, an externally-threaded sleeve adapted to be secured to a stationary support, a bracket having an internally-threaded ring at its upper end adjustable on said sleeve, said bracket having a bearing at its lower end for the outer end of the shaft, and a rod passing through said sleeve and attached at its lower end to the arm at the outer end of the shaft.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

HENRY M. WEAVER.

Witnesses:
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