

(No Model.)

W. H. NEWELL.
BASIN OR BATH WASTE AND OVERFLOW.

No. 401,579.

Patented Apr. 16, 1889.

Fig. 1.

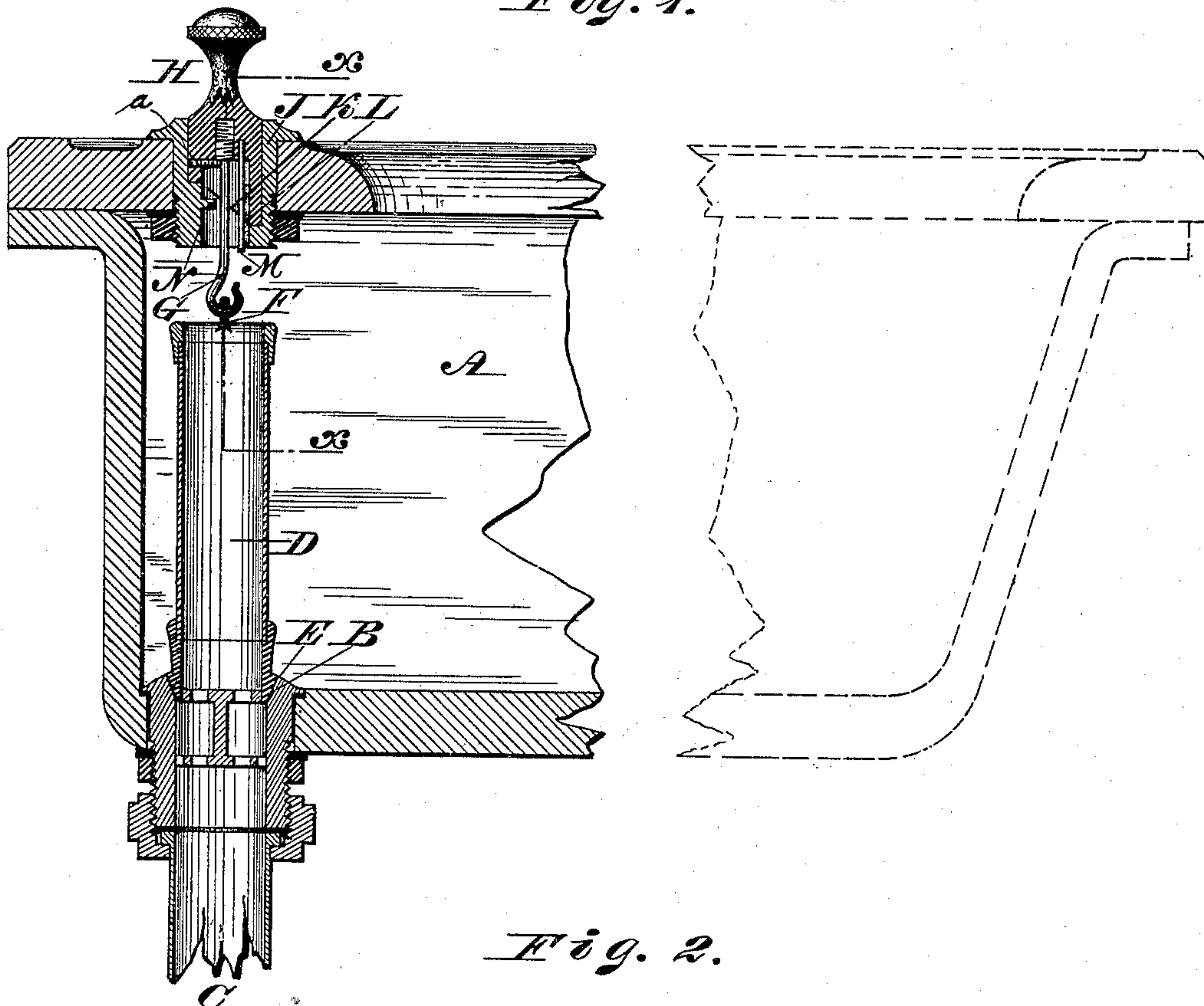
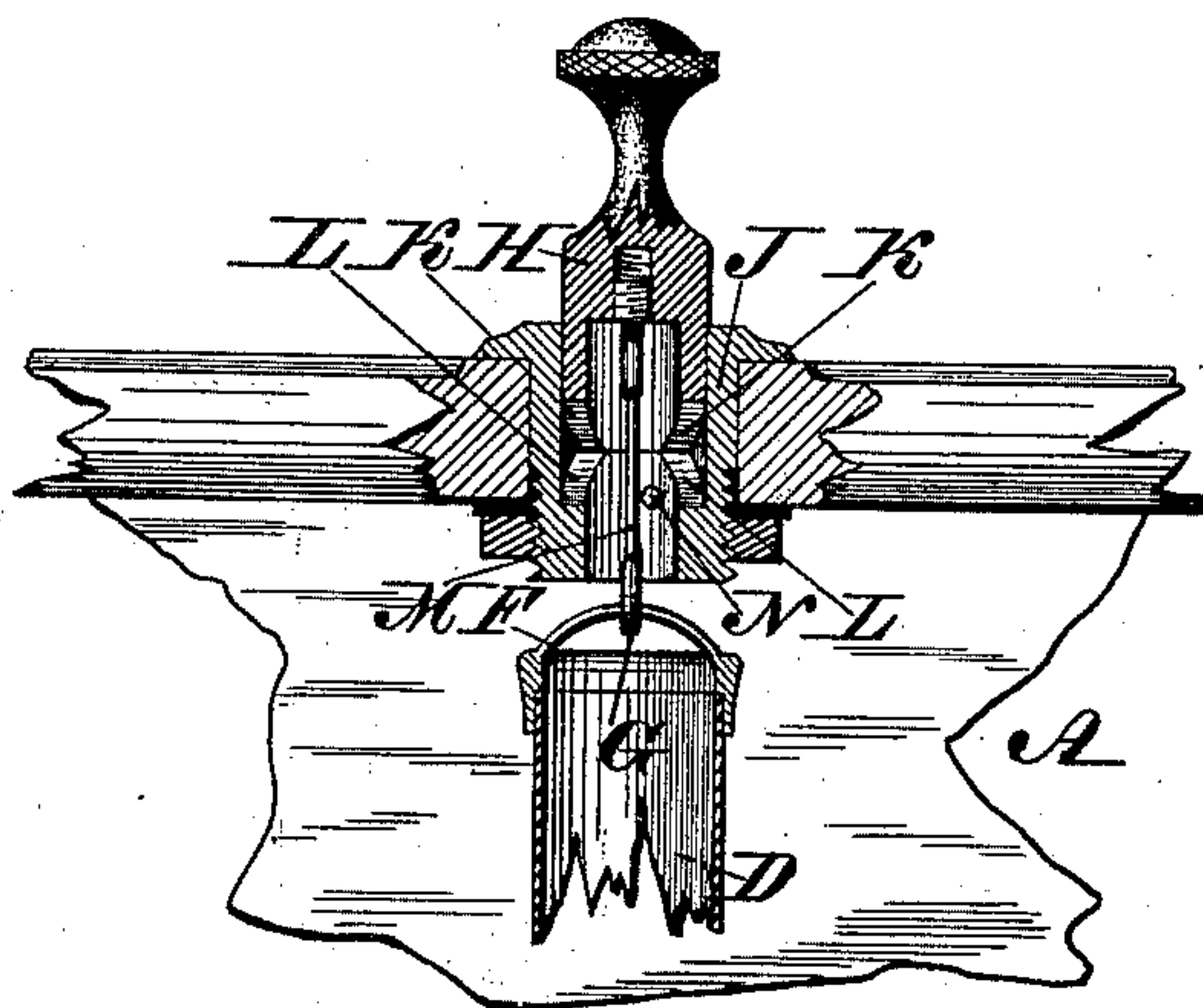


Fig. 2.



WITNESSES:

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BASIN OR BATH WASTE AND OVERFLOW.

SPECIFICATION forming part of Letters Patent No. 401,579, dated April 16, 1889.

Application filed January 11, 1888. Serial No. 260,403. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. NEWELL, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Basin or Bath Waste and Overflow, which improvement is fully set forth in the following specification and accompanying drawings.

10 My invention consists of an exposed basin or bath waste and overflow formed of a hollow stand whose lower end constitutes a valve which is seated in the base of the basin or bath, a rotatable handle which is connected with said stand, and means, substantially as claimed, for causing the ascent of said handle when rotated, whereby the stand is raised and the valve thereby opened, as will be hereinafter fully set forth.

20 It also consists of means for adjusting the connection of the handle and stand.

It further consists of means for limiting the ascent of the handle and consequent opening of the valve.

25 Figure 1 represents a vertical section of a basin or bath waste and overflow embodying my invention. Fig. 2 represents a section of a portion on line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the two figures.

30 Referring to the drawings, A represents a portion of a wash-basin, the same having an opening in its bottom or base, which is occupied by a seat, B, with which latter the waste-pipe C is connected.

35 D represents a hollow stand or pipe, whose lower end constitutes a stopper or valve, E, which is fitted to the seat B. At the top of the stand is a cross-bar, F, with which is connected a hook, G, whose shank is screwed to a plug or handle, H, the latter entering a guide, J, which is sustained above the basin.

40 A screw is passed into the side of the handle H, having its point beneath the shank-screw of the hook G, thereby preventing the said shank-screw from becoming loose during the operation of the device. The guide J is formed of a hollow piece of material with a horizontally-projecting flange on its upper portion for engagement with the top wall of the supports, and has its lower end screw-

threaded for a nut, which bears against the under side of the support, whereby the guide is kept in place.

The handle H is cylindrical in form, and 55 has its lower edge, K, inclined, and the inner face of the guide has a shoulder, L, whose upper face is inclined, corresponding to the incline of the handle H.

Projecting outwardly from the bottom of 60 the handle H is a vertical pin, M, and projecting inwardly from the guide J is a horizontal pin, N, which pins are so disposed that when the handle is raised to the required extent the pin M, which is somewhat lengthy, abuts 65 against the pin N, thus preventing further rotation and ascent of the handle.

It will be seen that when the parts are in the position shown in Fig. 1 the basin is closed, and should the water rise above the stand it 70 will enter the same, thus preventing overflow of the basin or tub.

When it is desired to clear the basin, the handle H is rotated, whereby it rides up the incline or inclined shoulder L and carries 75 with it the hook G, and consequently the stand, the valve E thus leaving the seat B and uncovering the latter, so that the water may readily escape from the basin. By rotating the handle in the opposite direction it 80 rides down the incline L, whereby the stand D lowers and the valve thereof closes in its seat B.

The hook G, owing to its threaded shank, may be raised and lowered by properly rotating the same, so as to adjust the stand to the 85 depth of the basin.

When the stand is raised by hand, it may be readily disconnected from the hook G and entirely removed, and the several parts separated for purposes of cleansing and repairs, 90 after which the parts may be replaced and connected, these operations being easily accomplished, owing to the simplicity of construction of the device.

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

1. An operating device for a stand-pipe of a bath or basin waste or overflow, consisting 100 of a detachable guide with horizontal flange at its upper portion and screw-threaded lower

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end, and having on its interior wall an inclined shoulder and a horizontal projecting pin, a handle with inclined lower edge and shoulder bearing on the inclined shoulder of the guide, and a vertical depending pin, the hook G, with shank-screw, and the screw *a* in the side of the handle and with point below the shank-screw, said parts being combined substantially as and for the purpose set forth.
10 2. In a device of the character described, a stand-pipe forming a valve, a rotary plug connected with said stand-pipe and having an

inclined under face and a vertical pin projecting therefrom, a hollow guide having an inclined shoulder on which the inclined under face of said rotary plug bears, and a horizontal pin projecting across the path of said vertical pin, said pins being within said plug and guide, said parts being combined substantially as described. 15

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Witnesses:

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