

J. S. DELEHANTY.

WATER-CLOSET APPARATUS HANDLE.

No. 182,307.

Patented Sept. 19, 1876.

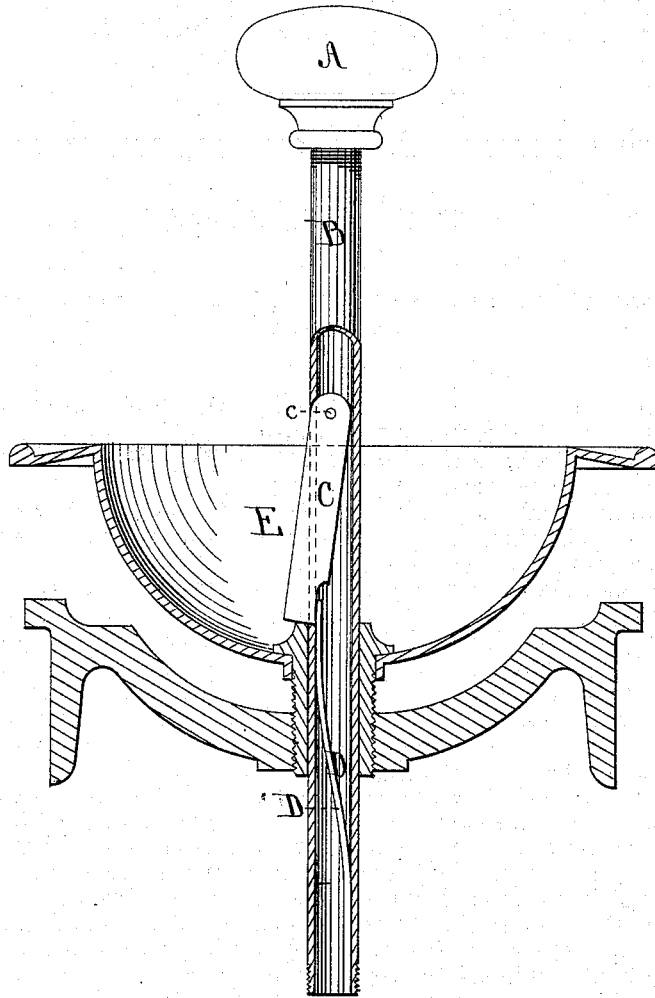


FIG. 1.



FIG. 2.

Witnesses.

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## IMPROVEMENT IN WATER-CLOSET APPARATUS HANDLES.

Specification forming part of Letters Patent No. 182,307, dated September 19, 1876; application filed August 29, 1876.

*To all whom it may concern:*

Be it known that I, JOHN S. DELEHANTY, of the city and county of Albany, and State of New York, have invented a new and useful Improvement on the Handles of Water-Closet Apparatus, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, making a part of this specification.

My invention consists in providing the handle with a spring-catch for retaining it in position for holding the water-valve of the apparatus open, so as to effect a thorough washing of the basin.

As shown in Figure 1 of the drawing, which represents a longitudinal section of the handle and seat-cup, A is the knob of the handle, attached to the tubular connection B in the ordinary manner. At one side of this connection a slot is cut through the tube, into which a hinged catch-piece, C, is inserted. It is pivoted to the connection by means of the pin c. A spring, D, is secured within the tube in such manner that the free end of it will bear against the catch-piece C, so as to force the lower end of it out of the slot, as shown in the drawing. The lower end of the connection B is attached to the weighted lever used for working the water-valve in the usual manner, so common and well known as to render any description of it unnecessary. E is the cup commonly inserted in water-closet seats. It has a hole formed in its bottom, through which the connection B slides.

The operation of my improvement is as follows: When the handle is drawn up to the proper distance to empty the pan and open the water-valve, the catch-piece C is forced out of its slot and catches upon the bottom part of the cup E, thereby retaining the valve in its open position against the force exerted by the weighted lever to close it. By this means a continuous flow of water can be maintained

through the basin until it is thoroughly cleansed, thus dispensing with the necessity for holding the valve open by hand for this purpose.

To close the valve, the catch-piece C is depressed within the tube by pressing the finger against it, so as to allow the catch-piece to pass through the hole in the bottom of the cup, and then pushing down the handle.

The catch-piece when thrown out, as shown in the drawing, should be arranged to hold the valve in its full open position. The friction of the catch-piece against the side of the hole in the bottom of the cup, produced by the pressure of the spring, is sufficient to hold the valve in any position intermediate between full open and closed.

In the modification of my invention, shown in Fig. 2, the spring-catch C forms a portion of the spring D, instead of being pivoted to the connection B, as in Fig. 1.

My invention remedies a long-existing defect in water-closet apparatus as heretofore constructed, wherein it became necessary, when the basin required a thorough washing, to hold the valve open by the hand, or by chocking the handle by means of a block or some other similar make-shift that was liable to be lost or mislaid when required for use, and by which the connection soon becomes so bent as to be inoperative and useless, thereby involving considerable expense and trouble to effect its replacement.

I claim as my invention—

The connection B, provided with the spring-catch C and spring D, in combination with the valve-operating mechanism of a water-closet, as and for the purpose herein specified.

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Witnesses:

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