

H. M. WEAVER.

Wash-Bowls.

No. 166,045.

Patented July 27, 1875.

Fig: 1

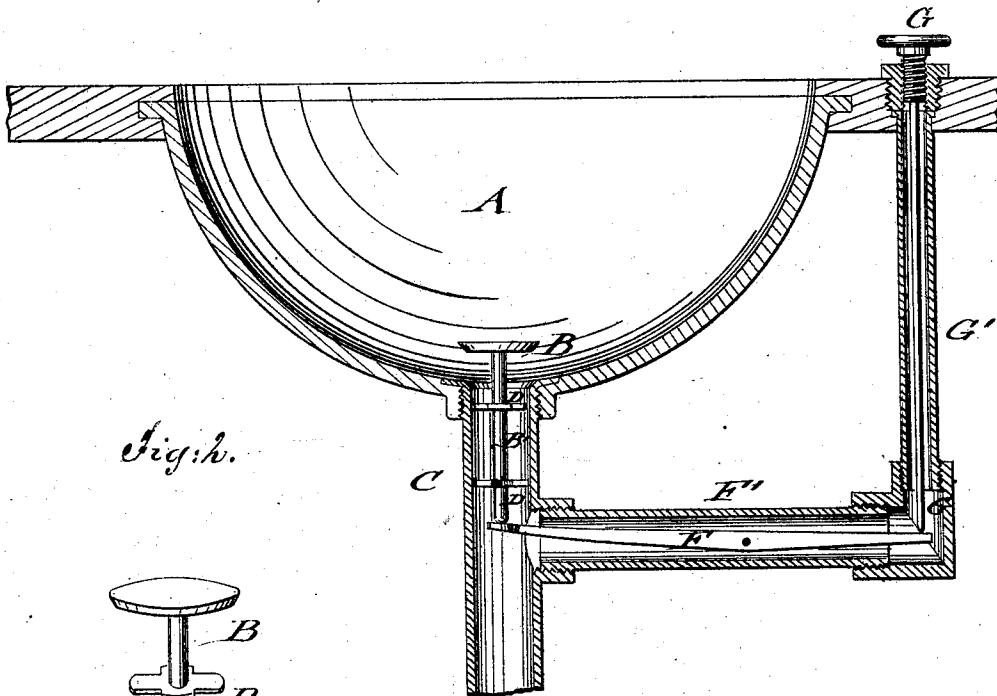
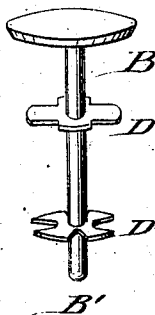


Fig: 2.



WITNESSES:

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UNITED STATES PATENT OFFICE

HENRY M. WEAVER, OF MANSFIELD, OHIO.

IMPROVEMENT IN WASH-BOWLS.

Specification forming part of Letters Patent No. **166,045**, dated July 27, 1875; application filed May 22, 1875.

To all whom it may concern:

Be it known that I, HENRY M. WEAVER, of Mansfield, in the county of Richland and State of Ohio, have invented a new and Improved Wash-Bowl, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a vertical central section through my improved wash-bowl, and Fig. 2 a perspective view of the valve-plug detached.

Similar letters of reference indicate corresponding parts.

The object of my invention is to dispense with the chain, which is usually attached to the plugs or valves of the waste-pipe of wash-bowls, and which is more or less in the way, so as to catch the hand in washing, and opening the valve when not desired. The invention is also intended to improve the plug in such a manner that a perfectly smooth bottom of the bowl without projecting parts is furnished, and the cleaning of the strainer or sieve in the waste-pipe be readily accomplished, by which the annoying clogging or stopping-up of the waste-pipe is entirely prevented. The invention consists of a detachable valve-plug, which is fitted into the waste-pipe, and provided with sieves or strainers attached to its stem, to be raised by a fulcrumed lever and connecting-rod from the side of the bowl for emptying the same.

A in the drawing represents the wash-bowl, and B the valve-plug, which is fitted, by its conically-tapering edge, into the corresponding seat of the waste-pipe C at the bottom of the bowl, forming a perfectly-smooth continuation of the bottom, without any projecting parts to interfere with the use of the bowl. The valve-plug B is provided with a valve-stem, B', having, preferably, two strainers or sieves, D, with notches or perforations arranged in such a manner that those of the lower strainer alternate with those of the upper, and prevent thereby the passage of any impurities or rubbish that may clog the waste-pipe. The strainers D are of the same diameter as the

waste-pipe, and slide freely therein, guiding the valve in vertical motion when raised. The valve may be easily taken out for cleaning the strainers from adhering parts by simply raising and detaching it from the seat in the waste-pipe. A lever, F, which is fulcrumed in a surrounding tube, F', opening into the waste-pipe, projects by one end into the waste-pipe, and acts on the lower end of the valve-stem. The opposite end of lever F is acted upon by a vertical rod, G, which screws or slides in a socket and tube, G', extending down to the lower tube F'. The valve-operating rod G extends above the top plate, into which the bowl is set, and is provided with a button or handle, to screw or slide down the rod on the lever, which thereby raises the valve, so that the water in the bowl may pass out through the waste-pipe.

By screwing the rod in opposite direction, or, in case a sliding rod is used, by the weight of the valve-plug on the fulcrumed lever, the valve is carried back to its seat in the waste-pipe, ready for use, forming thus a neat and useful attachment to wash-bowls, in place of the chain-and-plug arrangement.

As the lever and operating-rod are inclosed by the surrounding tubes, the water can have no other exit than by the waste-pipe, and the tubes may, if desired, be brought in connection with the overflow, perforations of the bowl serving in this case as overflow-pipes.

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

1. The valve-operating device F G, incased in tight tube F' G', as and for the purpose described.

2. The detachable valve-plug, having top plug and sieves or strainers attached to stem below the same, substantially as and for the purpose set forth.

HENRY M. WEAVER.

Witnesses:

STEPHEN PRIEST,
S. E. FINK.