

F. J. ORDWAY.

WASH-BASIN OR SINK-PLUG.

No. 176,674.

Patented April 25, 1876.

Fig. 1.

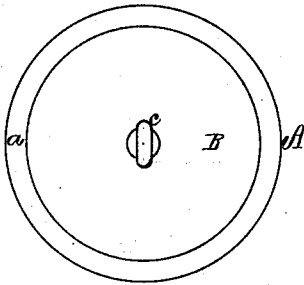


Fig. 2.

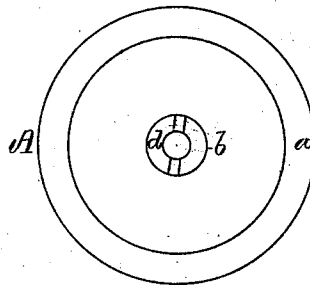


Fig. 3.

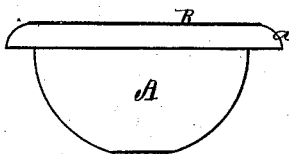
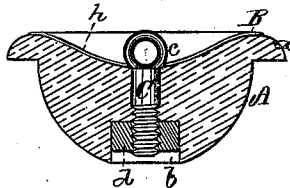


Fig. 4.



Witnesses

S. W. Piper
J. R. Snow

Frederick J. Ordway.

by his attorney

R. H. Eddy

UNITED STATES PATENT OFFICE

FREDERICK J. ORDWAY, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO
HIMSELF AND MICHAEL LLOYD, OF SAME PLACE.

IMPROVEMENT IN WASH-BASIN OR SINK PLUGS.

Specification forming part of Letters Patent No. **176,674**, dated April 25, 1876; application filed
March 10, 1876.

To all whom it may concern:

Be it known that I, FREDERICK J. ORDWAY, of Boston, of the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Wash-Basin or Sink Plugs; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a bottom view, Fig. 3 a side elevation, and Fig. 4 a transverse section, of one of my improved plugs.

The wash-basin plug to which my invention relates is that which is usually attached to one end of a chain, such chain being employed to lower the plug into or withdraw it from the mouth of the orifice of discharge of the basin. Such plugs are usually composed of metal. By their use the glazings of the basins are liable to become bruised or cracked by them; and, furthermore, they (the said plugs) are apt to become oxidated and set in the educts of the basins.

In carrying out my invention I compose my improved plug of a semi-globular or tapering and flanged body of vulcanized india rubber; also, of a cap-disk, chain-eye, holding-screw, and nut, the flanged body being provided with a chamber to receive the nut within the body, and at a short distance from its apex.

In the drawings, A denotes the body of india-rubber, *a* being its flange, and *b* its nut-chamber, all being as shown.

The metallic cap-disk is shown at B as perforated at its center to receive the fastening-screw C, which, furnished at its upper end with an eye, *c*, goes down through the axis of the plug-body and into the chamber *b*, and has a nut, *d*, screwed on it and against the bottom of the chamber, such nut being from the top or mouth of the chamber a distance about equal to the thickness of the nut.

It will be seen that, as the metallic disk has a diameter somewhat less than the flange, the latter serves to protect the basin from being bruised by the edge of the disk; also, that the disk answers as a support for the flange and body when the plug is pressed down firmly into the mouth of the educt of a basin or sink.

By having the body provided with the nut-chamber and the nut sunk therein, as shown, the latter is kept from doing injury to the

basin. Furthermore, by setting up the nut the body may be expanded in case of its becoming worn.

The elastic body A has in its top a chamber, *h*, for receiving the metallic disk, which is chambered or concave on its upper surface to receive the eye *c*, in order for it not to project beyond the disk as to do injury to a basin when the plug, while inverted, may fall thereon.

I do not claim a basin-plug having its body of india-rubber, provided with a ring-eye, extending above such, and otherwise constructed as represented in the United States Patent No. 117,402.

In my improved plug the india-rubber or elastic body is concave or chambered at top, to receive a concavo-convex or chambered disk, B, and the screw-eye *c* arranged wholly within the concavity of the disk B. Furthermore, the body has a flange, *a*, to extend beyond the edge of the disk, in order to prevent contact of such with a basin. The body is also semi-globular, and, besides, is chambered to receive the nut of the screw C.

From the above it will be seen that all the metallic parts of the plug, which would be liable to injure a basin by falling thereon, are protected or guarded by the india-rubber body, which is not the case with the plugs shown in said patent.

Furthermore, the part of the plug-body below the flange is not intended to fit the hole in the basin, but is simply to guide the plug into the basin-hole, the flange serving to keep the liquid contents of the basins from escaping, from which it will be seen that with my plug there is no danger of its becoming set in the hole, to cause breakage of the lifting-chain on an attempt being made to raise the plug out of the educt.

Therefore I claim—

My improved basin-plug, substantially as described, consisting of the elastic semi-ball body A, provided with the flange *a* and top and bottom chambers, in combination with the concavo-convex disk B, and with the screw C and nut *d*, arranged, as specified, within the said body and disk.

FREDERICK J. ORDWAY.

Witnesses:

R. H. EDDY,
J. R. SNOW.