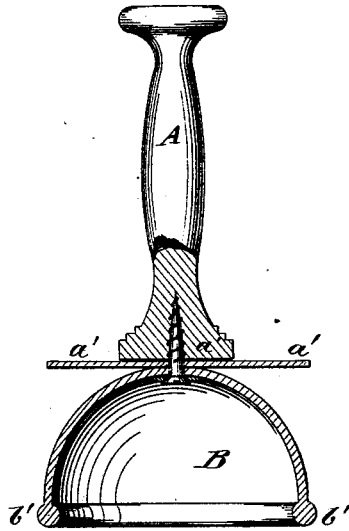


J. S. HAWLEY.

VENT-CLEARER FOR WASH-BOWLS, &c.

No 186,206.

Patented Jan. 16, 1877.



WITNESSES:
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UNITED STATES PATENT OFFICE.

JOHN S. HAWLEY, OF STAPLETON, NEW YORK.

IMPROVEMENT IN VENT-CLEARERS FOR WASH-BOWLS, &c.

Specification forming part of Letters Patent No. 186,206, dated January 16, 1877; application filed June 6, 1876.

To all whom it may concern:

Be it known that I, JOHN S. HAWLEY, of Stapleton, Richmond county, New York, have invented a new and Improved Vent-Clearer for Wash-Bowls, &c., of which the following is a specification:

The figure is a longitudinal section of my improved vent-clearer.

The object of this invention is to improve the construction of the vent-clearer or elastic force-cup for which Letters Patent No. 158,937 were granted to me January 19, 1875, so as to make it stronger, more durable, and more effective in operation.

The invention consists in the bead or thickened rim formed around the edge of the cup of the vent-cleaner, as hereinafter fully described.

A is a handle, upon the lower end of which is formed, or to it is attached, an enlargement, plate, or disk, *a'*. To the lower end of the handle A is attached a cup, B, by a screw and washer, or other convenient means. The cup B is made of rubber or other suitable elastic substance, and may be made in the form of half a hollow sphere, as shown in the figure, or in the form of a hollow cylinder, or in any other desired form. Around the edge of the cup B is formed a bead or thickened rim, *b'*, as shown in the figure. This improvement prevents the edge of the cup B from springing out when pressure is applied to said cup, and allowing the air or water to escape from beneath it, instead of being forced into the vent,

as it is liable to do when the edge is made of the same thickness as the body. With this construction, the edge or rim being stronger and stiffer than the body, the said body will bulge over the edge, and the pressure will make the said rim to hug the surface to which it may be applied more firmly. This improvement also prevents the edge of the cup B from cracking or splitting, and thus makes the device more durable.

In using the device, a small quantity of water is allowed to flow into the bowl, tub, or sink, so as to cover the discharge-orifice, and the handle A is forced down suddenly, so as to force the water beneath the cup B into the discharge-pipe with a sudden impulse, which dislodges the obstruction and allows it to be carried off by the outflowing water.

The device is simple and inexpensive, can be used by any one, and will enable the discharge-pipes of wash-bowls, wash-tubs, sinks, &c., to be cleared without the trouble, annoyance, and expense of calling in a plumber every time said pipes become clogged.

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

The bead or thickened rim *b'*, formed around the edge of the cup B of the vent-clearer A B, substantially as herein shown and described.

JOHN S. HAWLEY.

Witnesses:

JAMES T. GRAHAM,
JAMES H. HUNTER.