

W. M. LONG.

Improvement in Dish-Washers, &c.

No. 131,451.

Patented Sep. 17, 1872.

Fig. 1.

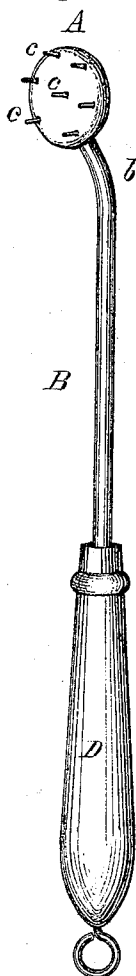
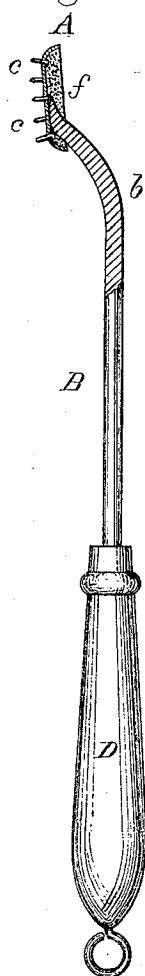


Fig. 2.



Witnesses:

Ben R. Western
Chas M. Higgins

Inventor:

William M. Long.
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attys.

UNITED STATES PATENT OFFICE.

WILLIAM M. LONG, OF MOLINE, ILLINOIS.

IMPROVEMENT IN DISH-WASHERS, &c.

Specification forming part of Letters Patent No. 131,451, dated September 17, 1872.

To all whom it may concern:

Be it known that I, WILLIAM M. LONG, of Moline, in the county of Rock Island and State of Illinois, have invented a new and Improved Dish-Washer, &c., of which the following is a specification:

It is the object of my invention to furnish a convenient implement for holding and applying the cloth in dish-washing, to save the hand from being exposed to the hot water; and it consists of a perforated convex sheet-metal disk, connected with a handle by means of a bent wire, and provided with spurs or teeth inserted through the perforations from the reverse or concave side, which, together with the wire, are secured in place by filling the concavity with solder or soft metal.

Figure 1 is a perspective, and Fig. 2 a sectional view, of my improved instrument.

The head A is formed of a disk of tin, brass, or other sheet metal, made concave, and having a number of perforations, through which, from the concave side, headed pins or spurs *c* are inserted, their points projecting and radiating in some degree from the central one. The wire B has its end suitably shaped or flattened to conform to the concave side of the disk against which it is placed, and melted solder or other soft metal is poured in, filling the convexity *f* to the level of its rim. This attaches the wire to the head firmly, and the spurs *c*, being prevented by their head from drawing out externally, are held by the solder

from being retracted or from moving in their positions. The wire B is curved at *b* to give a forward projection to the head to enable the radial teeth or spurs to engage with the dish-cloth, and also to enable a rag or other material to reach the inside of the swell or enlargement of lamp-chimneys, for which latter purpose the implement is nicely adapted. The wire may be continued straight for any distance from the bend, and has its end inserted in the handle D.

This mode of construction renders the instrument much more durable than those hitherto in use, as the parts are strongly connected, while it is cheap, easily cleansed, and effective, the teeth seizing upon the washing-cloth or other material, and, from their position and arrangement, retaining it as securely as if held by the hand.

I claim as my invention—

The spurs *cc*, inserted through the concavo-convex disk A, as described, in combination with the handle B, the spurs and handle being confined in their seats by solder or other soft metal, substantially as and for the purpose specified.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

W. M. LONG.

Witnesses:

H. M. SMITH,
H. F. GREEN.