R. A. EDDY.

Clothes-Pounder.

No. 200,902. Patented March 5, 1878.

Fig. 1.

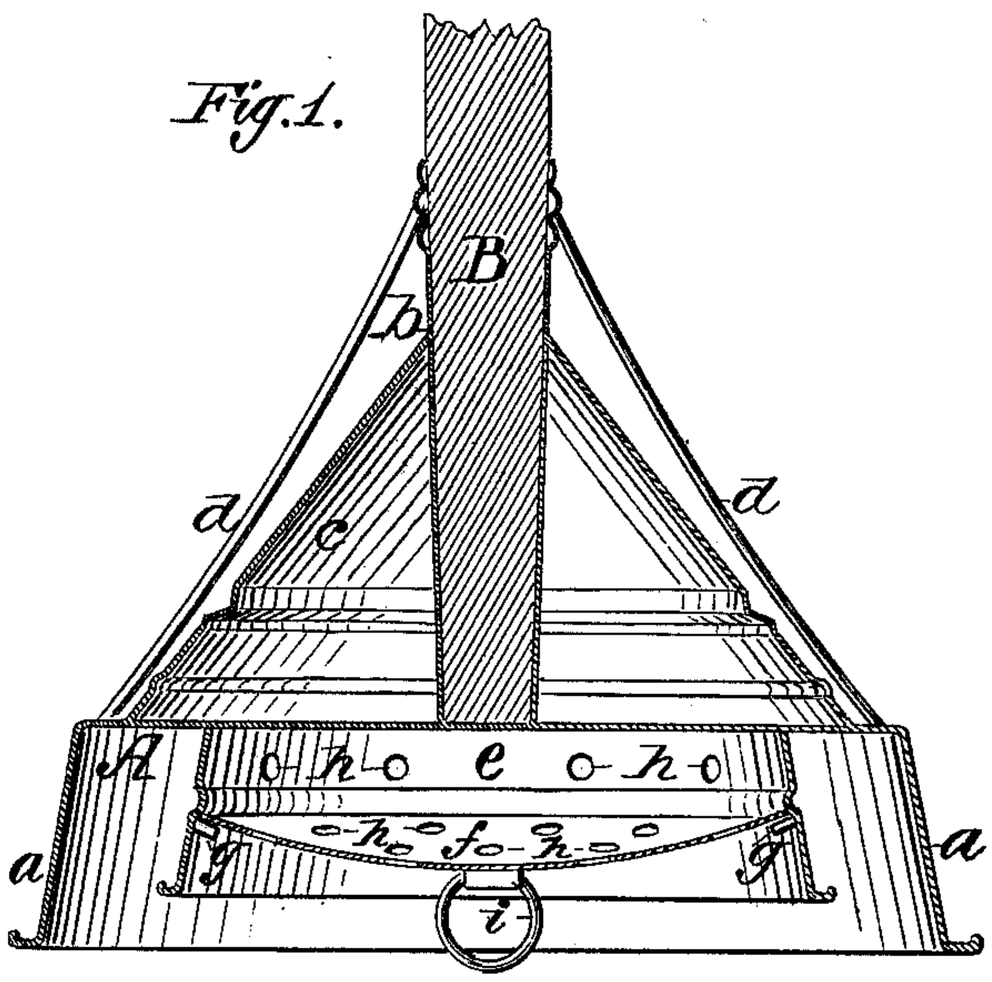


Fig. 2.

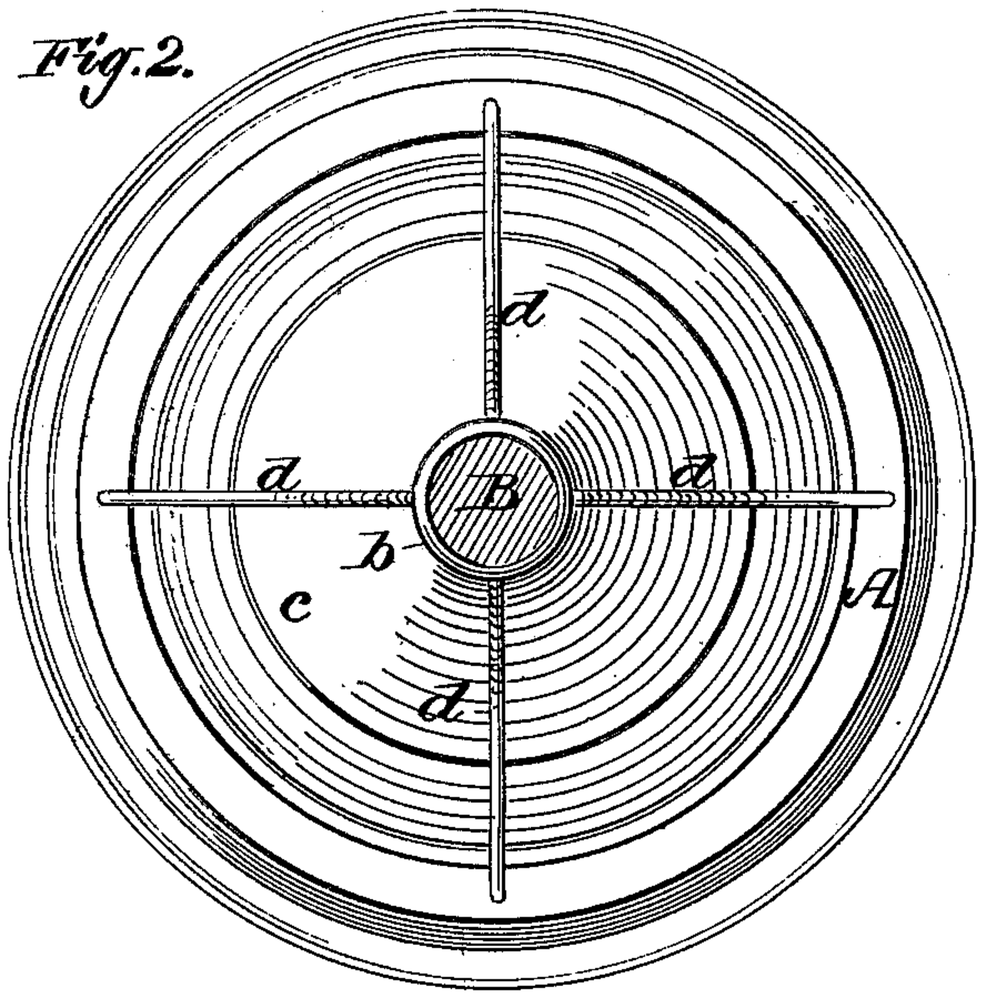


Fig. 3.

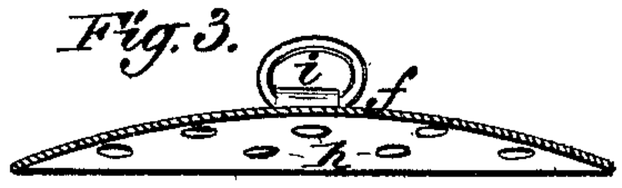
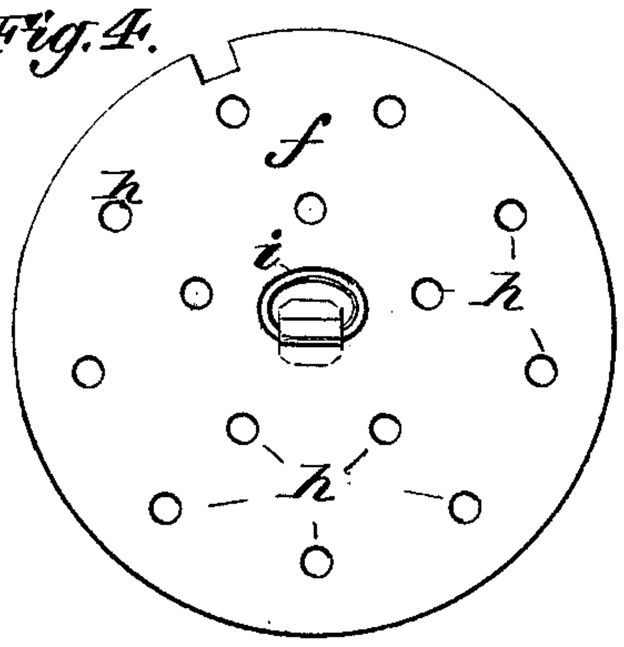


Fig. 4.



Attest.
H. C. Zwerk
Thos P. Oliver

Inventor
R. A. Eddy

UNITED STATES PATENT OFFICE.

ROMULUS A. EDDY, OF EAST SAGINAW, MICHIGAN.

IMPROVEMENT IN CLOTHES-POUNDERS.

Specification forming part of Letters Patent No. **200,902,** dated March 5, 1878; application filed November 2, 1877.

To all whom it may concern:

Be it known that I, ROMULUS A. EDDY, of East Saginaw, in the county of Saginaw and State of Michigan, have invented certain Improvements in Washing-Machines, of which the following is a specification:

My invention relates to that class of devices commonly known as "atmospheric washers," consisting of a hollow inverted vessel or plunger applied to the lower end of a staff or handle, and used by pressing it upon the clothes in the water through the same.

The invention consists in providing the head or plunger with an internal perforated soap-confining chamber, and in the peculiar arrangement of details hereinafter described.

Figure 1 represents a vertical central section of my device; Fig. 2, a plan view of the same; Figs. 3 and 4, respectively, a cross-section and a face view of the soap-confining plate.

A represents the body or main portion of the plunger, consisting merely of a flat circular plate, provided at its outer edge with a depending rim or flange, *a*, and also provided on its back with a central socket, *b*, to receive the staff or handle B, the socket being braced by means of a sheet-metal cone, *c*, and wires *d*, both of which are attached to the back of the plunger, as shown. Within the plunger A, to its top or back, there is secured an annular depending rim, *e*, of less width than the outside rim, and at some distance therefrom, the two being arranged concentrically, as shown.

Within the central or inner rim *e* there is applied a circular convex plate, *f*, which may be notched in its edge, and locked by retaining-pins *g*, secured to the inside of the rim, as shown, or secured in any other suitable manner which will admit of its being readily detached.

Through the inside rim *e* and the plate *f* a series of small holes, *h*, are made, as shown, to allow the water to pass to and fro. A ring, *i*, is secured to the center of the plate *f*, as a means of readily holding the same during its application and removal.

When the device is to be used the plate *f* is removed and a cake of soap placed in the center, and then the plate again applied to confine the soap in place. Upon forcing the plunger down repeatedly upon the fabrics in the water, in the usual manner, the water and air are driven back and forth through the perforations into and out of the central soap-chamber, and thus the water quickly converted into soap-suds of the required strength. At the proper time the soap is removed, and the use of the device continued, either with or without the central plate, the inner perforated rim or flange assisting materially in driving the air and water violently about within the plunger, and insuring their passage through the fabrics, especially when the concave plate is used.

Having thus described my invention, what I claim is—

The clothes-washer consisting of the inverted hollow plunger A, having the depending perforated rim *e* and the convex perforated plate *f* therein, as shown.

R. A. EDDY.

Witnesses:
H. B. ZWERK,
THOS. P. OLIVER.