

E. ATTWELL.
Clothes-Pounders.

No. 150,999.

Patented May 19, 1874.

Fig. 1.

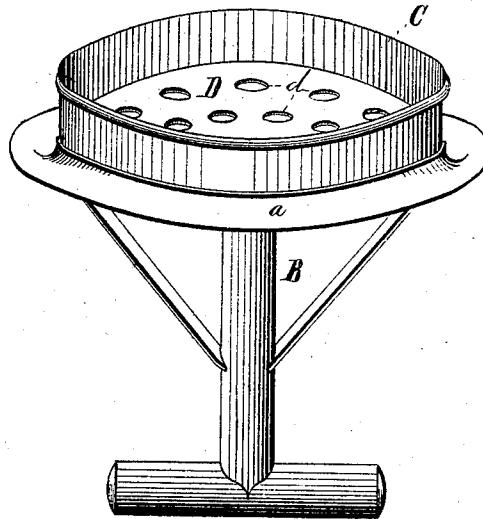
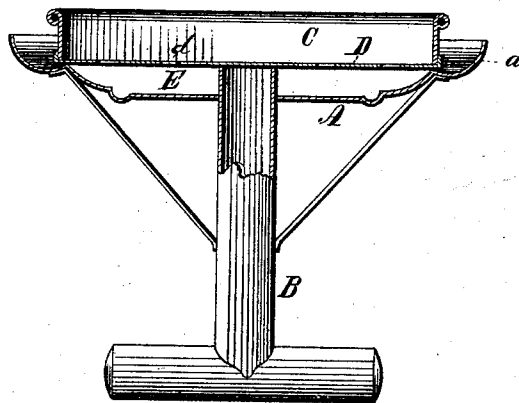


Fig. 2.



WITNESSES.

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EWELL ATTWELL, OF LEESBURG, VIRGINIA.

IMPROVEMENT IN CLOTHES-POUNDERS.

Specification forming part of Letters Patent No. 150,999, dated May 19, 1874; application filed April 4, 1874.

To all whom it may concern:

Be it known that I, EWELL ATTWELL, of Leesburg, in the county of Loudoun and State of Virginia, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in washing implements known and designated as "clothes-pounders."

In the drawings, Figure 1 represents my invention in perspective, and Fig. 2 shows the same in section.

My invention consists in the following parts and combinations, as hereinafter specified and claimed, wherein A is a plate or disk of metal or any other suitable material, formed into substantially a concavo-convex shape. To the convex face of the plate A is fixed any suitable handle, B. Upon the rim of the concavo-convex plate A is formed the fender *a*, which may be a part of the plate A. Upon the lower face of the plate A, at its junction with the fender *a*, is attached the cylindrical flange C. Within the cylindrical flange C, at a suitable distance from its free edge, is placed the diaphragm D, in which are made a suitable number of perforations, *d*. E is a compressed air-space between the diaphragm D and the plate A, the office of which will hereinafter appear.

I do not strictly confine myself to the concavo-convex shape of the plate A, as herein shown, as the same may be shaped conical, box-shaped, or otherwise, the essential feature

to accomplish being to provide the air-space E between the lower face of the plate A and the upper surface of the perforated diaphragm D *d*.

I am aware of a device whose general appearance bears somewhat of a resemblance to my invention; but I am not aware of any device combining the several features of, or operating as, my device.

The fabric or clothes to be washed are first treated in any proper manner with water and soap, and put into any flat-bottomed receptacle. They are then effectively, easily, and quickly cleansed by the operation of my device, which is applied by simply pressing it down upon the clothes and then raising it; then pressing it into the clothes again; and repeating this operation a sufficient length of time. By the pressure downward the air in the space or chamber E is compressed, and, by its elastic reaction, will drive the water back through the fabric in jets or streams by means of the perforations *d*.

The fender *a* protects the hand of the operator from being splashed or soiled.

What I claim is—

The clothes-pounder herein described, consisting of the plate A, fender *a*, handle B, flange C, and perforated diaphragm D *d*, all arranged, constructed, and operating substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 2d day of April, 1874.

EWELL ATTWELL.

Witnesses:

H. C. WALLACE,
JAMES H. FORSYTH.