S. M. ALLEN.

Clothes-Pounder.

No. 168,206. Patented Sept. 28, 1875.

Fig. 1.

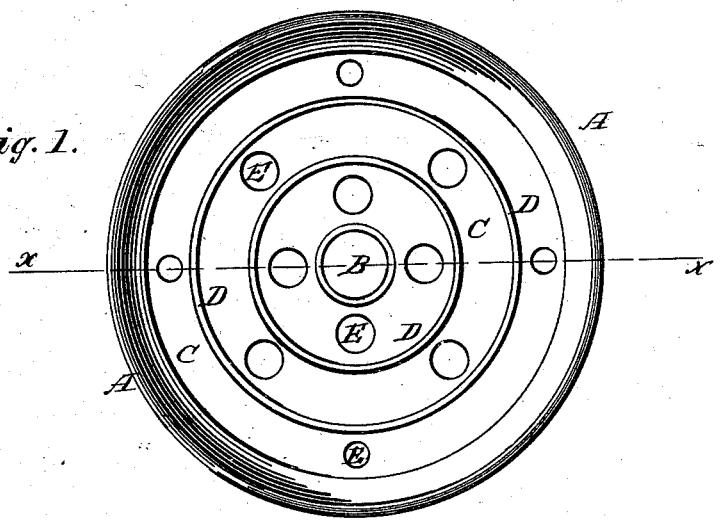
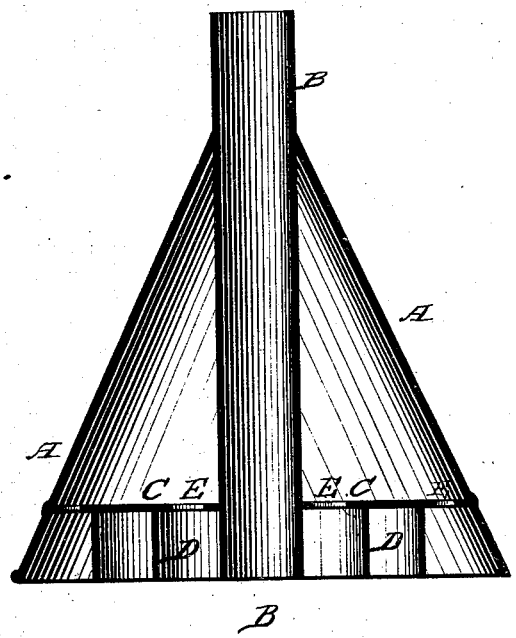


Fig. 2.



WITNESSES:

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SAMUEL M. ALLEN, OF DILLSBURG, PENNSYLVANIA.

IMPROVEMENT IN CLOTHES-POUNDERS.

Specification forming part of Letters Patent No. **168,206**, dated September 28, 1875; application filed July 17, 1875.

To all whom it may concern:

Be it known that I, SAMUEL M. ALLEN, of Dillsburg, in the county of York and State of Pennsylvania, have invented certain new and useful Improvements in Clothes-Pounders; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

The nature of my invention consists in the construction and arrangement of a clothes-pounder, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a bottom view of my clothes-pounder, and Fig. 2 is a vertical section of the same.

A represents a conical air-chamber, of any suitable dimensions, through the center of which passes a vertical tube, B, for the reception of the handle. A suitable distance above the bottom of the cone, and within the same, is a diaphragm, C, which surrounds the tube B, the lower end of said tube extending on a line with the lower edge of the cone. The diaphragm C is perforated at E, as shown on the drawing, the perforations leading into the air-chamber A, which is closed along the rim of the diaphragm C by soldering, so that water cannot enter the air-chamber except through the perforations E, which are arranged between the vertical flanges D. The latter are secured to the under side of the diaphragm C, arranged in concentric circles, as shown, and extending down to the same horizontal plane as the lower edges of the cone and handle-tube, the latter forming the center one of the concentric circular flanges. These flanges perform two very important functions in the operation of the pounder. They prevent the clothes from coming up and choking or closing the apertures to the air-chamber, and also form beaters for the clothes.

The diaphragm C, being perforated, allows the water to enter the air-chamber A through the perforations E, whenever the pounder is forced downward in the tub, and the air in A, being compressed, forms an elastic cushion, which reacts on the body of the water under the diaphragm, giving a more elastic touch to the clothes, so that even the finest fabric, such as laces, &c., may be washed by the aid of my pounder without injury. Again, when the pounder is lifted out of the water, the water contained in the air-chamber A will run out in a shower through the perforated diaphragm, thereby materially aiding in rinsing the clothes.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

In a clothes-pounder, the combination of the air-chamber A, having perforations E, with the concentric downward-projecting flanges or beaters D, substantially as and for the purpose hereinbefore set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

SAML. M. ALLEN.

Witnesses:
ANDREW KINTER,
H. C. SMYSER.