G. M. SMITH.
Clothes-Pounder.

No. 204,101. Patented May 21, 1878.

Fig. 1.

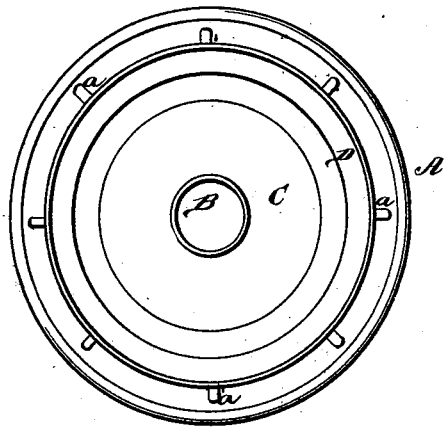
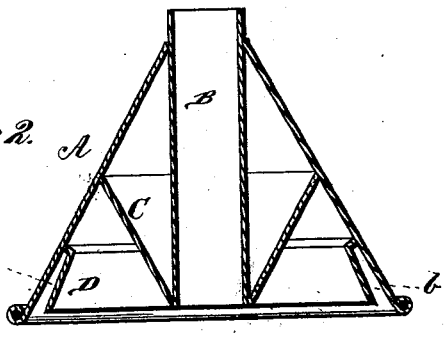



Fig. 2.




WITNESSES
Robt Ewett
Jas. L. Sheehy.

INVENTOR.
George M. Smith.
Gilmore Smith & Co.
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

GEORGE M. SMITH, OF DELPHI, INDIANA.

## IMPROVEMENT IN CLOTHES-POUNDERS.

Specification forming part of Letters Patent No. **204,101**, dated May 21, 1878; application filed March 2, 1878.

*To all whom it may concern:*

Be it known that I, GEORGE M. SMITH, of Delphi, in the county of Carroll and State of Indiana, have invented a new and valuable Improvement in Clothes-Pounders; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a bottom-plan view of my clothes-pounder, and Fig. 2 is a vertical sectional view thereof.

My invention relates to the ordinary cone wash-pounder; and it consists in providing the cone with an interior inverted cone, and along the lower portion of the main cone with an interior rim, all as hereinafter more fully set forth.

The annexed drawing, to which reference is made, fully illustrates my invention.

A represents the usual washer or pounder, made cone-shaped, or in the form of an inverted funnel, and provided with the central tube B for the insertion of the handle. C represents an interior funnel or inverted cone, the upper edge of which meets and is fastened to the sides of the main cone A at or about the middle, or half-way from the larger to the smaller end. The lower or apex end of the interior funnel C is secured to the lower end of the handle-tube B, the two parts A and C thus acting as braces to said tube.

Inside of the main cone A, around the lower portion, is a rim, D, having its upper edge fastened to the sides of said outer cone, and this rim is strengthened by means of a series of small braces, *a a*, interposed between it and the cone A. These braces strengthen both the cone and rim; and between the cone and rim is formed an annular air-chamber, *b*.

By experiments I have found that with the addition of the rim D it will splash less, and that there is more air forced through the clothes than there would be if there was only one edge for the air to escape under.

My invention is designed as an improvement upon that set forth in the Patent No. 140,261. June 24, 1873, to L. S. Enos. In that device the inner flange is attached to the partition or dividing-plate near its center, the weakest point, and is not braced. The frequent and repeated concussions tend to injure the plate, weaken the outer case, and to disarrange or disconnect the flange. To avoid these defects I attach my inner flange directly to the outer case A, near the bottom, and in the intervening air-space *b* I place efficient braces *a*.

I am aware that to connect an inner rim with an outer cone by braces to strengthen the device, forming an air-chamber between the two, is not new.

What I claim as new, and desire to secure by Letters Patent, is—

The clothes-pounder herein described, consisting of the cone A and socket B, the inverted cone C, extending from the center of the cone A to the bottom of the socket B and rigidly connected with both, and the rim D, secured at its upper edge to the outer cone A, and having its lower edge connected by braces to the base of said cone, thereby forming an air-chamber, *b*, all constructed and combined as and for the purposes specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEORGE MARTIN SMITH.

Witnesses:
GUS. BLESSING,
W. H. BLESSING.