

(No Model.)

F. E. MIGHELL.  
CLOTHES POUNDER.

No. 446,625.

Patented Feb. 17, 1891.

FIG. 4.

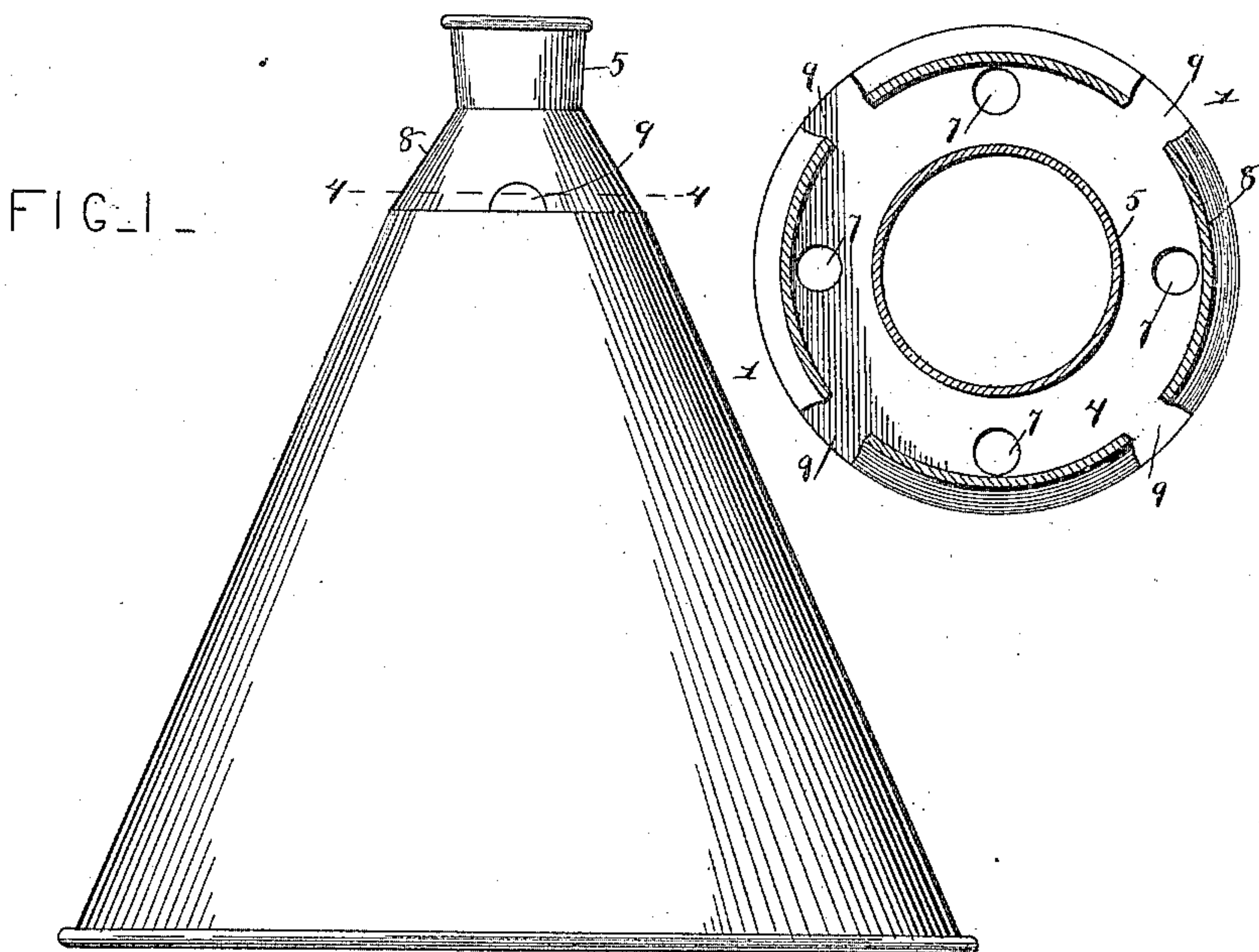
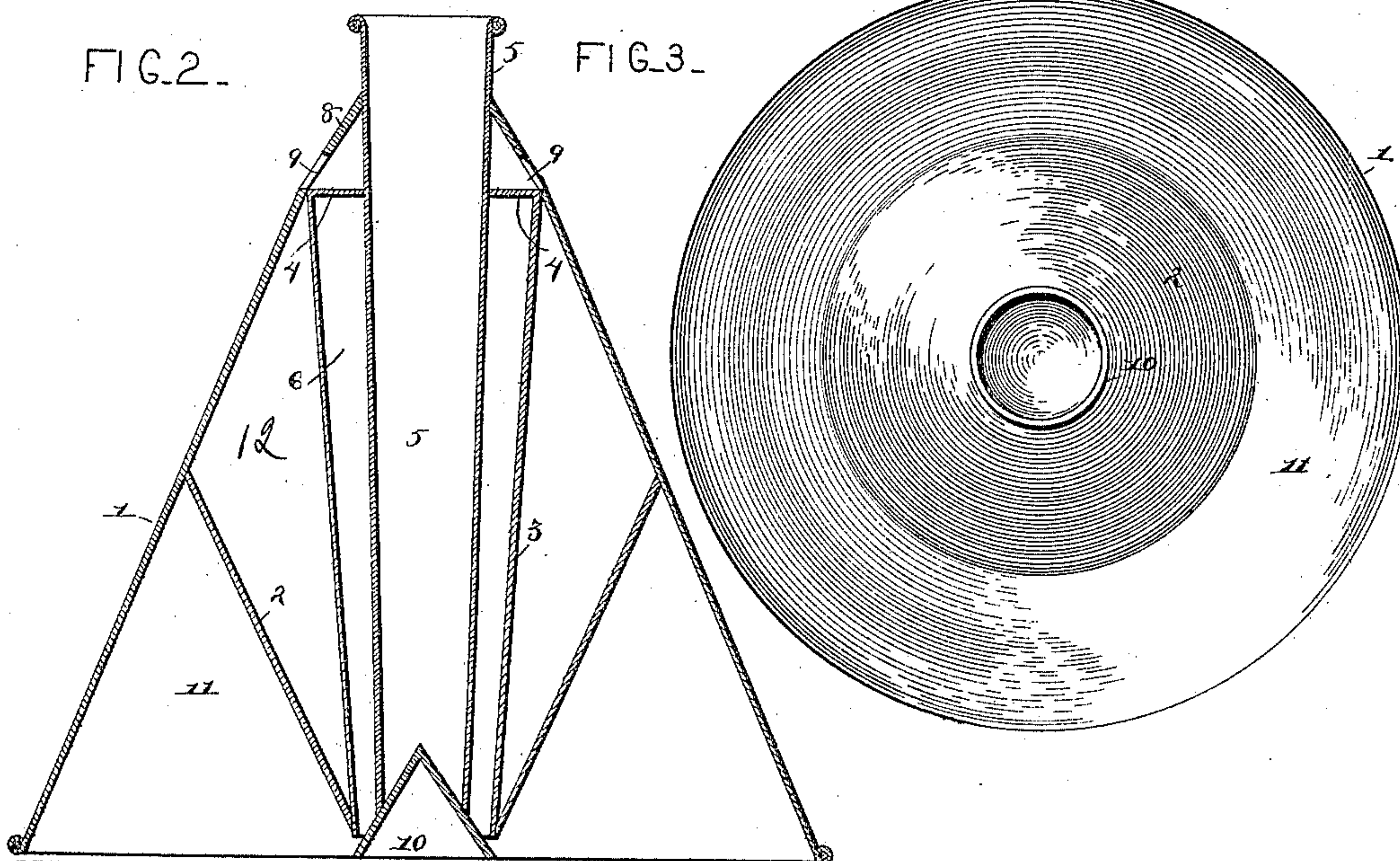


FIG. 2.

FIG. 3.



Witnesses

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# UNITED STATES PATENT OFFICE.

FRANK E. MIGHELL, OF AURORA, ILLINOIS.

## CLOTHES-POUNDER.

SPECIFICATION forming part of Letters Patent No. 446,625, dated February 17, 1891.

Application filed October 29, 1890. Serial No. 369,741. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK E. MIGHELL, a citizen of the United States, residing at Aurora, in the county of Kane and State of Illinois, have invented a new and useful Clothes-Washer, of which the following is a specification.

This invention relates to that class of clothes-washers which are known as "clothes-pounders;" and it has for its object to provide a device of this class which shall be simple, durable, and effective in operation, and in which valves for the admission of air shall be dispensed with, thus simplifying the construction and rendering the device less liable to get out of order.

With these ends in view the invention consists in the improved construction of the said device, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, Figure 1 is a side view of a clothes-pounder embodying my improvements. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a bottom plan. Fig. 4 is a sectional view taken on the line 4 4 in Fig. 1.

Like numerals of reference indicate like parts in all the figures.

1 designates the frustum-shaped outer shell of the device, and 2 designates an inverted frustum-shaped or funnel-shaped inner shell, the upper edge of which is secured to the inner side of the outer shell about midway of the height of the latter.

3 designates a tapering tube, which connects the upper edge of the shell 1 with the lower edge of the shell 2. The latter terminates a short distance above the lower edge of the outer shell 1, as will be clearly seen in Fig. 2 of the drawings. The tube 3 is made larger at its upper than at its lower end, and its upper end, which is connected with the upper edge of the shell 1, as described, has an inwardly-extending annular flange 4, to which is secured the handle-socket 5, which extends downwardly within the tube 3 nearly to the lower end of the latter. The space 6 between the tubes 3 and 5 forms an air-passage, and the flange 4 is provided with openings 7 for the admission of air through the

said passage. A conical or frustum shaped brace 8 connects the handle-socket 5 with the upper edge of the shell 1, and said brace is provided with openings 9, alternating with the openings 7 in the flange 4. At the lower end of the handle-socket is secured a conical shell 10, the lower edge of which is on a level with the lower edge of the shell 1. The walls of the shell 10 extend beyond the lower end of the tube 3, without, however, closing the lower end of the air-passage 6.

In operation a suitable handle is mounted in the socket 5, and the pounder is then manipulated in the usual manner. The space 11 between the shells 1 and 2 forms a vacuum-space, which serves on the downward motion of the pounder to force atmospheric air through the suds and the garments which are being operated upon. The space 12 between the inner shell 2, the upper end of the shell 1, and the tube 3 forms an air-space which serves to assist the upward movement of the pounder. When the pounder is raised, air is admitted through the openings 9 and 7 and through the passage 6 to the space 11, thus enabling the pounder to be easily raised from the tub. The brace 8, in which the openings 9 are arranged alternating with the openings 7 in the flange 4, serves as a shield to prevent the hot water from splashing upon the hands of the operator.

As will be seen from the foregoing description, the construction of my improved clothes-pounder is exceedingly simple, and there are no parts which are liable to get out of order. The device may also be manufactured at very moderate expense.

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

1. In a clothes-pounder, the combination of an outer frustum-shaped shell, an inner inverted frustum-shaped or funnel-shaped shell having its upper edge secured to the inner side of the outer shell about midway of the height of the latter, a tapering tube connecting the upper end of the outer with the lower end of the inner shell, and a handle-socket located within and suitably connected to the said tapering tube, between which and the handle-socket an annular air-passage is



formed, having openings at its upper end in the annular flange connecting said handle-socket with the tapering tube, substantially as set forth.

5 2. In a clothes-pounder, the combination of the frustum-shaped outer shell, the funnel-shaped inner shell secured to the inside of said outer shell, the tapering tube connecting the upper edge of the outer with the lower  
10 edge of the inner shell, the handle-socket arranged within and suitably connected with said tapering tube, and the conical shell at the lower end of the handle-socket extended beyond the lower end of the air-passage be-  
15 tween the handle-socket and the tapering tube, substantially as set forth.

3. In a clothes-pounder, the combination of the outer frustum-shaped shell, the inner funnel-shaped shell having its upper edge se-

cured to the inside of the outer shell, a tube 20 connecting the upper edge of the outer with the lower edge of the inner shell and having an inwardly-extending flange at its outer edge, the handle-socket secured to said flange and having a conical shell at its lower end, and a 25 conical brace connecting said handle-socket with the upper edge of the outer shell, said brace and annular flange being provided with perforations alternating with each other, substantially as and for the purpose set forth. 30

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

FRANK E. MIGHELL.

Witnesses:

WILL J. PHILLIPS,  
JEROME PHILLIPS.