

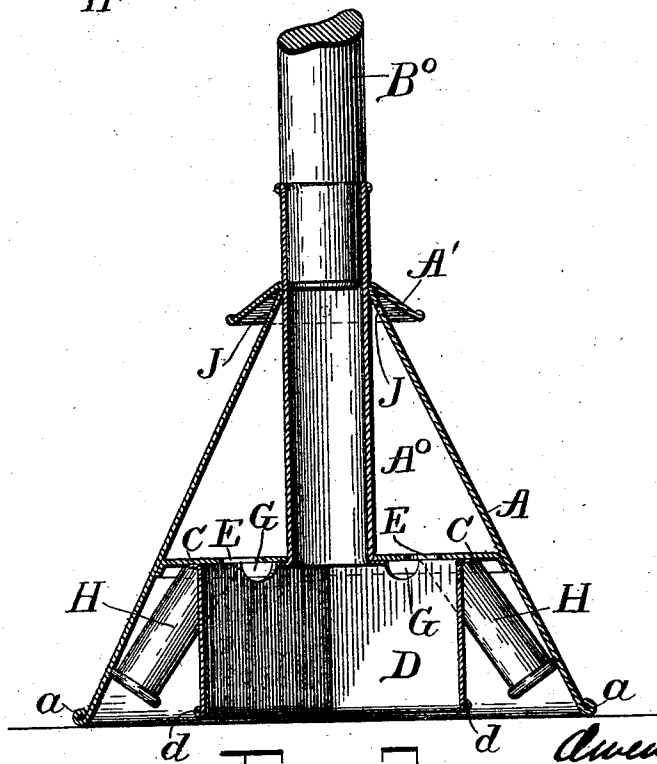
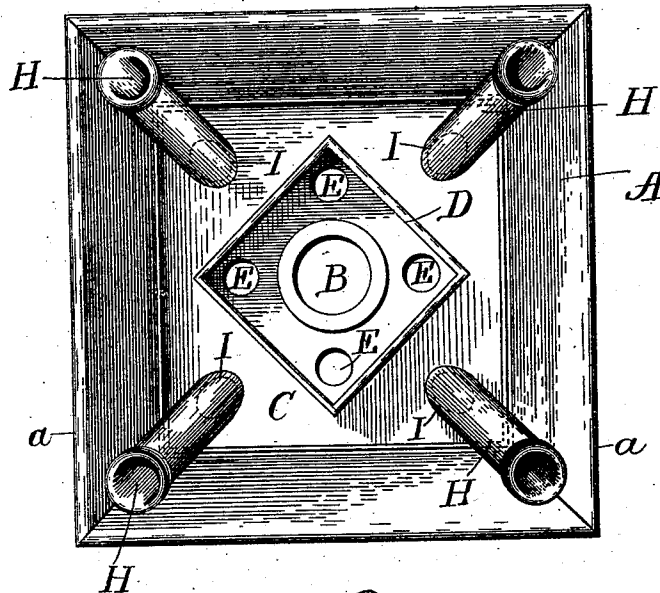
(No Model.)

O. LEDDY.
CLOTHES POUNDER.

No. 553,169.

Patented Jan. 14, 1896

FIG. 1.



Witnesses
Rey C. Bowen
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FIG. 2.

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UNITED STATES PATENT OFFICE.

OWEN LEDDY, OF MCKINNEY, TEXAS.

CLOTHES-POUNDER.

SPECIFICATION forming part of Letters Patent No. 553,169, dated January 14, 1896.

Application filed July 9, 1895. Serial No. 555,430. (No model.)

To all whom it may concern:

Be it known that I, OWEN LEDDY, a citizen of the United States, residing at McKinney, in the county of Collin and State of Texas, have invented certain new and useful Improvements in Clothes-Pounders; 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 appertains to make and use the same.

My invention relates to improvements in clothes-washers; and it consists in certain novel features hereinafter described and claimed.

Reference is had to the accompanying drawings, in which the same parts are indicated by the same letters throughout both views.

Figure 1 represents an inverted plan view of the clothes-pounder, and Fig. 2 represents a central vertical section along the line *xx* of Fig. 1, parts being broken away.

A represents a metallic frame in the form of a quadrangular truncated pyramid, terminating at its lower end in a bead *a* and at the upper end in a hollow cylindrical sleeve B. The top of the truncated pyramid is also provided with a cap *A'* projecting outward and overlapping the top of the pyramid, which is perforated beneath the said cap, as at *J* in Fig. 2, to permit the passage of air beneath said cap and into the chamber *A''*, which is formed in the upper part of the pyramid, and is partially shut in at its base by the diaphragm C, which is perforated, as at *E*, for the passage of air from beneath into the said chamber *A''*. Beneath this diaphragm C is a quadrilateral box-shaped chamber D, open at the bottom and provided with lateral openings G, near the top thereof, as shown in Fig. 2. The top of this box D is secured to the diaphragm C, while the bottom is beaded, as shown at *d* in Fig. 2.

In the angles of the pyramid and somewhat above the bottom thereof are mounted four tubes, open at both ends and inclined inward at a somewhat sharper angle than the sides of the pyramid, being secured at their upper ends to the diaphragm C, which is cut away, as at *I*, to admit the free passage of air through the said tube.

The handle *B''* is pushed down in the top of the sleeve B about as far as the top of the

truncated pyramid, leaving beneath the said handle in the said sleeve an air-chamber open at the bottom and closed at the top.

In operation the pounder is by means of the handle moved up and down in the water over the wash-clothes, compressing the air in the pyramid and causing the same to force the water and suds down in and amongst the clothes and thus causing a circulation of the soapy water and the consequent removal of dirt and other impurities from the clothes. The openings *J* allow the pounder to be lifted upward without incurring any appreciable resistance due to suction but are not made large enough to admit of the excessive escape of air therethrough.

By having the tubes *H* secured in the corners of the pyramid the said tubes are braced and held against any tendency to twist the same.

By the herein-described construction great strength and lightness of parts is obtained, as well as great efficiency in operation.

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

In a clothes pounder, the combination with a pyramidal vessel A, open at the bottom and perforated as at *J* near the top thereof, of a cap *A'* covering the top of said pyramid and leaving an air passage for the escape of air through said perforations *J*, a sleeve projecting through the top of said pyramid and through said cap, and extending downward toward the base of the said pyramid, a handle secured in the upper portion of said sleeve, a diaphragm secured in said pyramid near the base thereof, and provided with perforations, a rectangular box open at the bottom and secured beneath said diaphragm, and partly closed at the top by said perforated diaphragm, with passages G in the sides of said box near the top thereof, and inclined tubes open at both ends and secured in the angles of said pyramid and opening through said diaphragm, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

OWEN LEDDY.

Witnesses:

T. C. PERRY,

W. B. SCHIMMELPFENING.