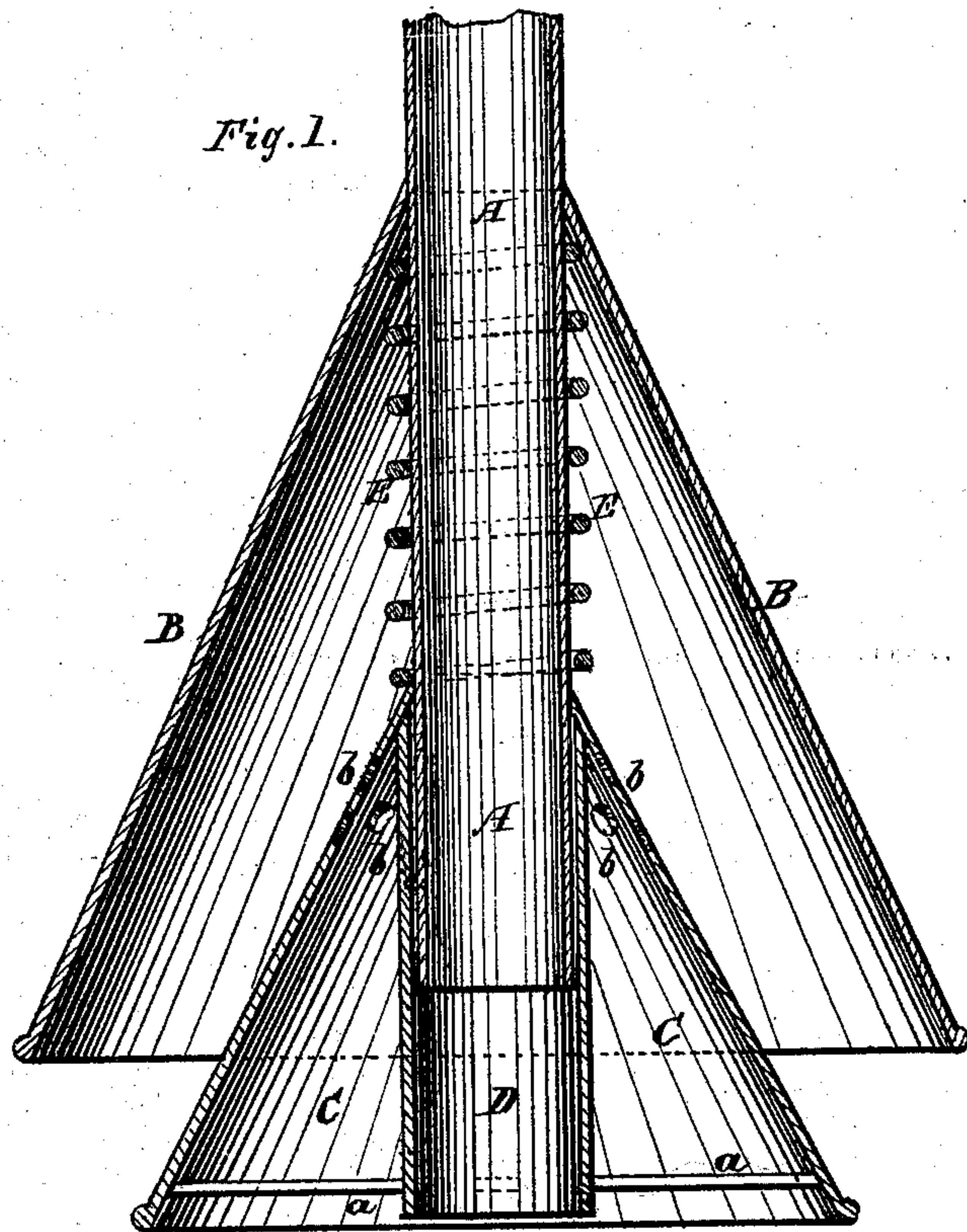


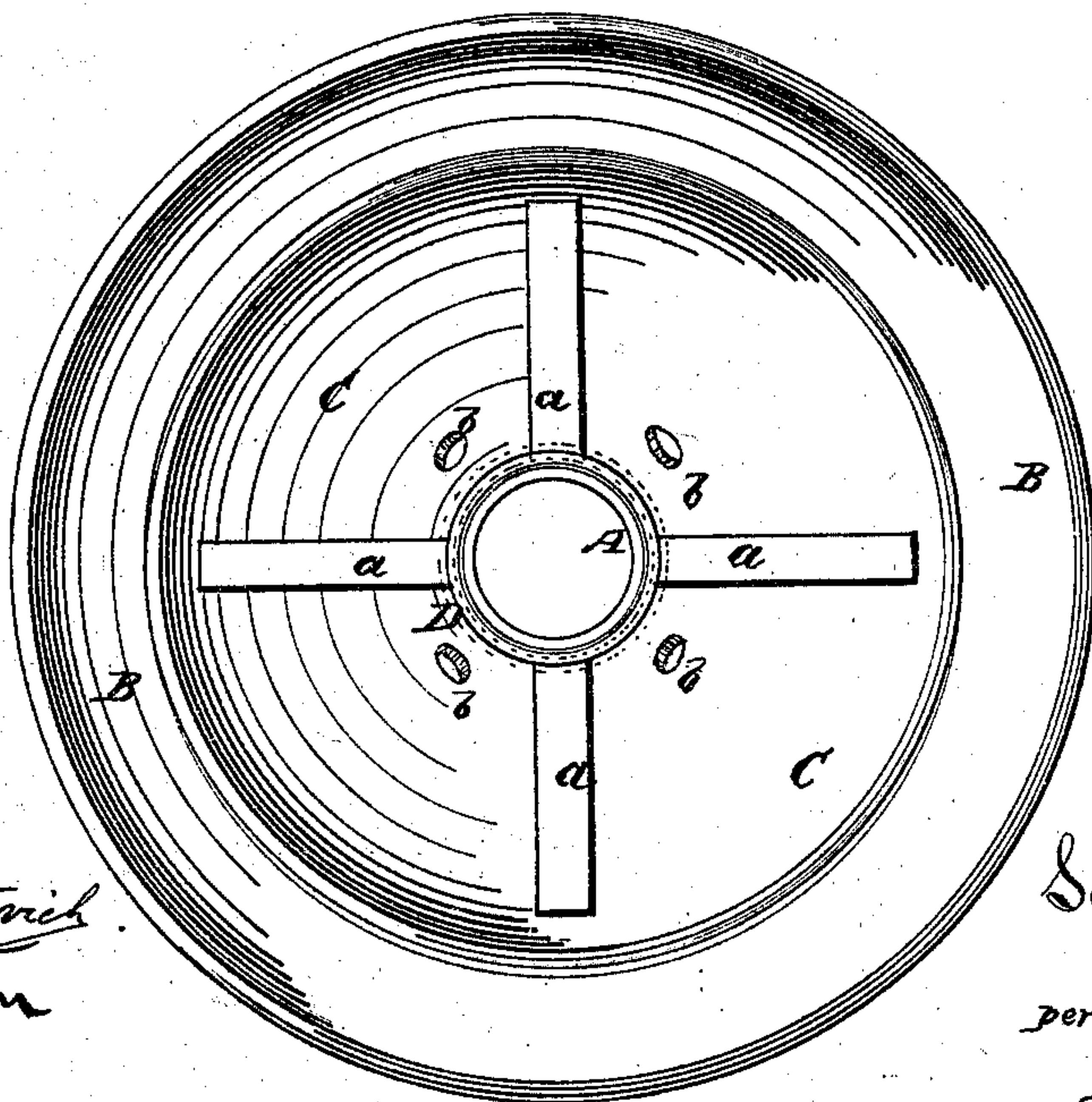
**S. F. HAWLEY.**  
**Clothes-Pounders.**

No. 143,901.

Patented Oct. 21, 1873.



*Fig. 2.*



WITNESSES:  
*J. C. Dieterich*  
*T. B. Barron*

INVENTOR  
*Samuel F. Hawley*  
per *C. H. Watson & Co.*  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

SAMUEL F. HAWLEY, OF SANDY HILL, NEW YORK, ASSIGNOR TO HIMSELF  
AND JAMES M. WHITMON, OF SAME PLACE.

## IMPROVEMENT IN CLOTHES-POUNDERS.

Specification forming part of Letters Patent No. **143,901**, dated October 21, 1873; application filed  
September 8, 1873.

*To all whom it may concern:*

Be it known that I, SAMUEL F. HAWLEY, of Sandy Hill, in the county of Washington and State of New York, have invented certain new and useful Improvements in Clothes Pounders or Washers; 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 a part of this specification.

This invention has for its object to furnish a double agitating pounder or washer, which shall be simple in construction, effective and efficient in operation, and durable in use, embodying in its construction simplicity and cheapness; and it consists in an improved arrangement of parts, and in the construction of the same, having a small cone-shaped pounder combined or arranged with a larger one of similar construction, the smaller one being thrown outward when the pounder is raised by the action of a spring, and forced upward into the larger pounder by the clothes by a downward movement, as hereinafter more fully described.

Referring to the accompanying drawing, Figure 1 is a vertical section of a device embodying my invention, and Fig. 2 is a plan view of the same.

A represents an upright standard or stem, having the cone-shaped washer B secured rigidly thereto. D represents a supplemental hollow stem or standard, having a smaller but similar-shaped pounder, C, attached, and connected to the pounder B by means of a spiral spring, E, which is secured to the inner side of the pounder B in such manner as to allow the smaller pounder C on the stem D to slide up and down on the upright stem or stand-

ard A, for a purpose presently described. The pounder C is provided with perforations *b* near the top, and near the bottom secured to the stem D by stays or braces *a*. The machine may be made of tin or any other suitable material, and operated by a handle to be inserted in or attached to the stem or standard A.

When the machine is placed in a tub of clothes to pound or press them, the pressure given by the operation causes the spring to be compressed, and the smaller cone is forced into the larger one, thus driving with great force the air and water out of the cavity, and forcing it on through and among the clothes, creating artificial currents, and producing great agitation of the water. When the machine is raised the spring forces the smaller cone downward, and the water rushes in and fills the cavity, and, by the suction, loosens and raises up the clothes, when the machine is raised out of the water, allowing the same to have free circulation among the clothes.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

The pounder constructed as described, having pounders B and C, rigid stem A, and sliding stem D, and spring E, the smaller being forced upward by a downward stroke, and forced downward by the spring when raised, all arranged for operation as and for the purpose specified.

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

SAMUEL F. HAWLEY.

Witnesses:

C. J. FARLEY,  
GRENVILLE M. INGALSBE.