A. FRENCH & J. S. LASH.

Clothes-Pounder.

No. 168,247. Patented Sept. 28, 1875.

Fig. 1.

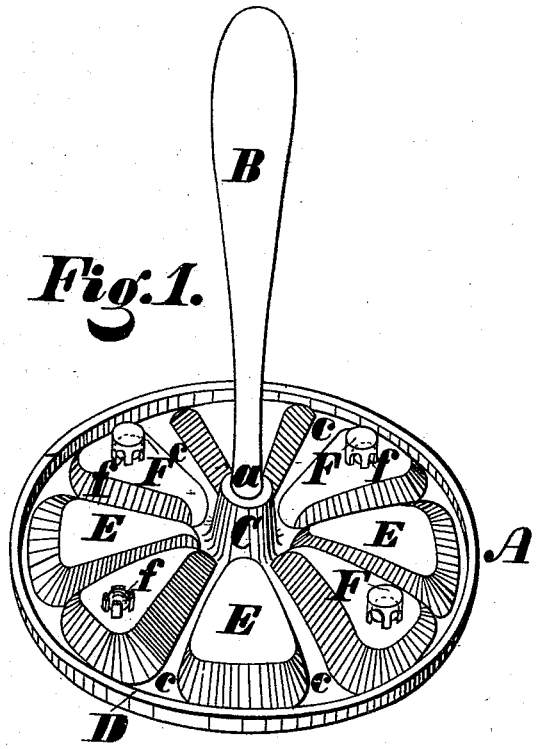
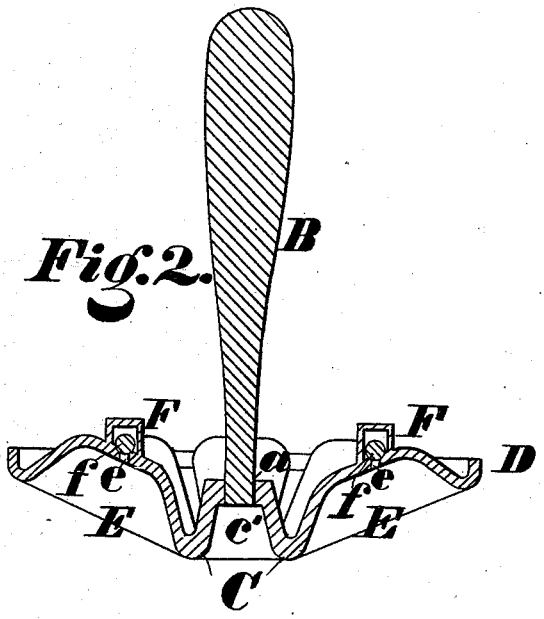


Fig. 2.



Witnesses

Saml. J. VanStavoren

D. Connolly

By

Inventors

Andrew French,

John S. Lash

Connolly Bros., Attorneys

UNITED STATES PATENT OFFICE.

ANDREW FRENCH AND JOHN S. LASH, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN CLOTHES-POUNDERS.

Specification forming part of Letters Patent No. **168,247**, dated September 28, 1875; application filed August 24, 1875.

To all whom it may concern:

Be it known that we, ANDREW FRENCH and JOHN S. LASH, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Washing-Machines; and we 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a perspective, and Fig. 2 a vertical section, of our invention.

Our invention has for its object to provide a simply-constructed, effective, and durable washing-machine or device of the class known as "clothes-pounders."

Our invention consists of a peculiarily-constructed and configurated disk, made of metal and cast in one piece, said disk being provided with a vertical post or handle, by which it is operated, and also, if desired, with peculiarly-arranged valves, by which the suction will be increased, all as hereinafter more fully described.

Referring to the accompanying drawing, A represents a disk, having a central socket, *a*, for the insertion of the actuating handle or post B. This disk is formed with a depressed center or hub, C, from which proceed radial arms *c c c*, flaring upwardly toward the rim D. Between the ribs *c c* the disk bulges upwardly to form recesses or chambers E E. The hub C is also recessed to form a similar central chamber, *c'*. If desired, arbors F may be placed on the upper sides of the chambers E, communicating with the latter through openings *e*, which form seats for the globes *f*.

The operation of this device is as follows: The clothes to be washed are placed in a common tub, and duly saturated and soaped. The disk A is then placed on top of them and rocked or oscillated in such manner as to bring the ribs C C successively into a horizontal plane. The attrition of these ribs upon the fabrics beneath, combined with the air-compression and suction of the chambers E, has the effect of thoroughly cleansing the garments in a very short time.

By making the disk of metal the weight heretofore required on the handle in this class of machines is dispensed with. So, too, the disk being of metal, and cast in one piece, all joints are dispensed with, and the ribs C, besides, can be made hollow-backed, which would be impossible with wood. A still further advantage arising from the employment of metal, aside from its superior durability, is that the disk of this material is not subject to the shrinking and expansion which inevitably results with a wooden one.

What we claim is—

1. The metallic disk A, cast in one piece, having a central depressed hub, C, from which proceed radial ribs *c c*, flaring upwardly toward the rim D, the space between said ribs being sunk to form chambers E, substantially as shown and described.

2. In combination with the conical disk, having chambers E, the arbors F, and globes *f*, substantially as set forth and shown.

In testimony that we claim the foregoing we have hereunto set our hands this 19th day of August, 1875.

ANDREW FRENCH.
JOHN S. LASH.

Witnesses:
M. DANL. CONNOLLY,
CHAS. F. VAN HORN.