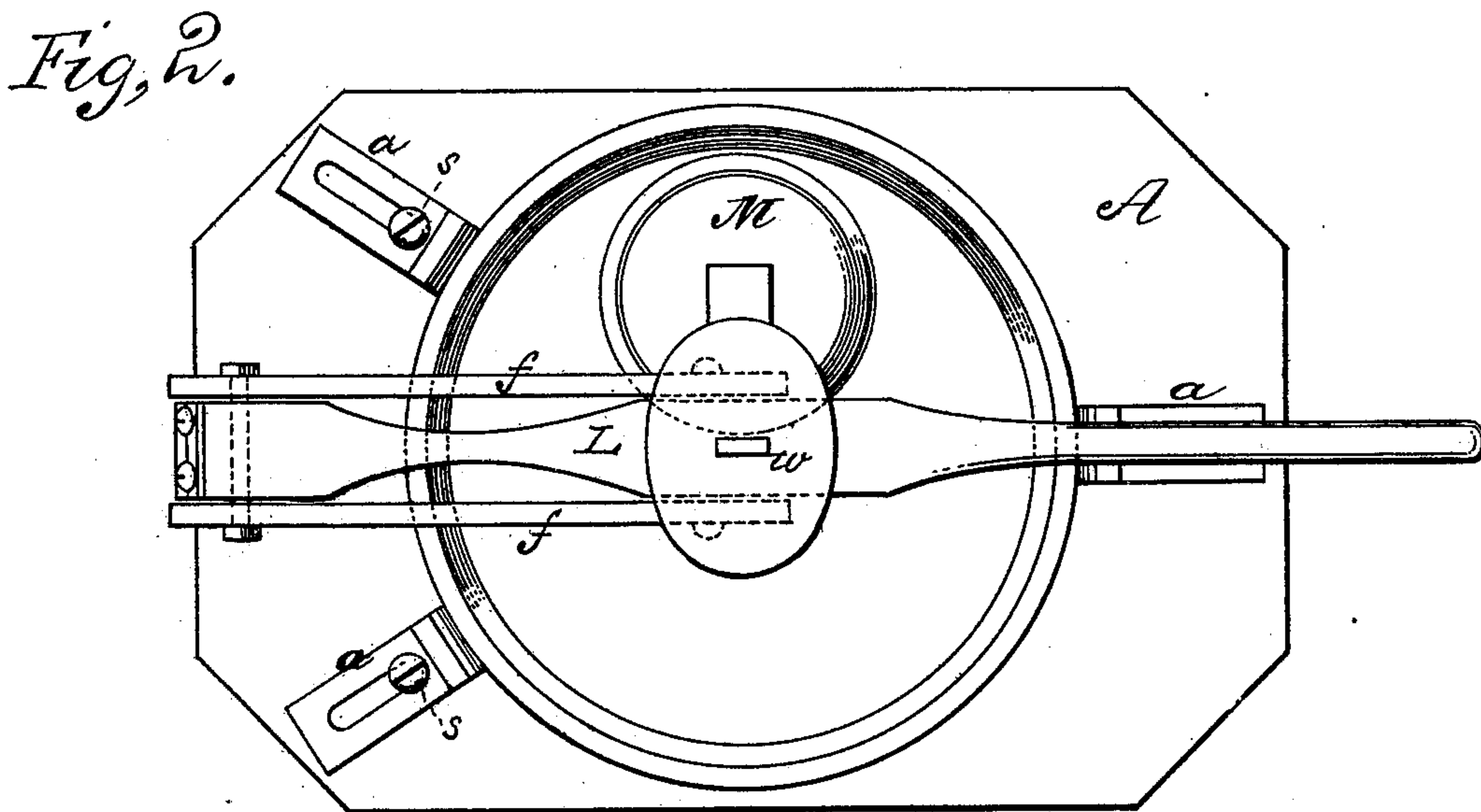
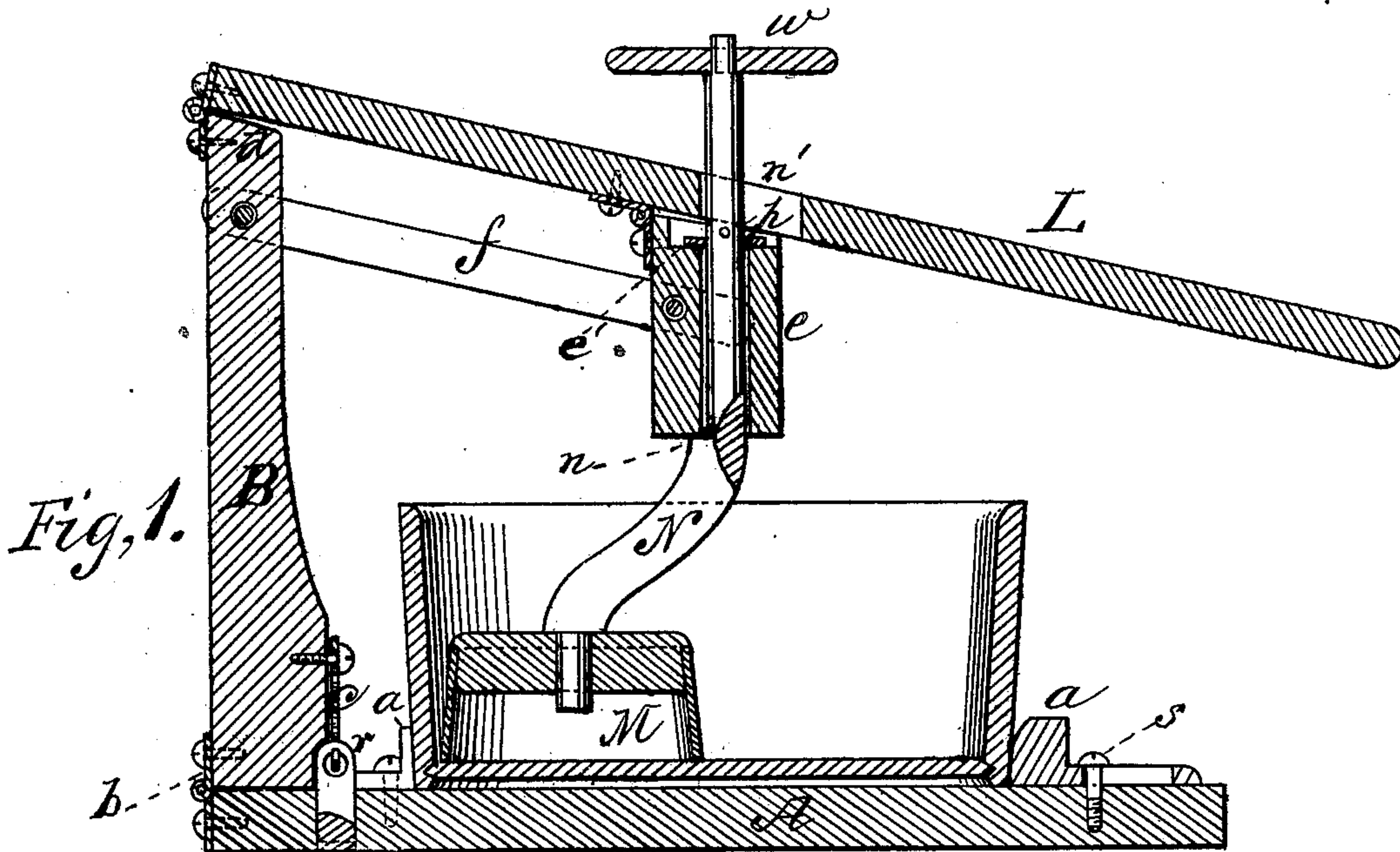


S. J. ANDERSON & P. W. FARLEY.  
Pounder Washing-Machine.

**No. 220,329.**

**Patented Oct. 7, 1879.**



WITNESSES

Villette Anderson.  
F. J. Mass

INVENTOR'S

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*His* ATTORNEY

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# UNITED STATES PATENT OFFICE.

SAMUEL J. ANDERSON AND PATRICK W. FARLEY, OF CAZENOVIA, N. Y.

## IMPROVEMENT IN POUNDER WASHING-MACHINES.

Specification forming part of Letters Patent No. **220,329**, dated October 7, 1879; application filed July 12, 1879.

*To all whom it may concern:*

Be it known that we, SAMUEL J. ANDERSON and PATRICK W. FARLEY, of Cazenovia, in the county of Madison and State of New York, have invented a new and valuable Improvement in Pounder Washing-Machines; and we 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 vertical section of our invention, and Fig. 2 is a top view thereof.

This invention has relation to improvements in pounder washing-machines.

The nature of the invention consists in the construction and novel arrangement of parts, as hereinafter described and claimed.

In the annexed drawings, the letter A designates a base-board of suitable size, upon which the tub containing the clothing is placed and confined by means of the angular clamps *a*. These are slotted longitudinally, and secured adjustably to the base by screws *s*, their adjustment being for the purpose of holding tubs of different sizes.

B indicates a strong upright post, secured to the base at one side by a hinge, *b*, and at the other by a hook, *c*. The object of this construction will be rendered clear hereinafter. The upper end of this post is beveled, as shown at *d*, and has hinged thereto or fulcrumed thereon a vertically-vibrating lever, L, that extends over the base A and has, by reason of the bevel *d*, an increased downward throw. Hinged to this lever about midway of its length is a rectangular bearing-block, *e*, beveled in correspondence with the bevel *d* of the post, as shown in Fig. 1, and connected at each side to the said post by means of the vertically-vibrating rods or bars *f*. These are pivoted at one end to the post and at the other to the bearing-block, so that it may be made to rise and fall at pleasure by causing the lever L to vibrate.

M indicates the pounder, constructed in any known way, and attached to the lower curved

end of a vertical dash-rod, N, the upper branch of which has its bearings in the block *e*, and extends through a longitudinal slot, *n'*, in lever L.

At the junction of the curved and straight branches of the rod N is a shoulder, *n*, against which the lower end of the bearing-block bears; and in the upper recessed end of said block is a washer, *e'*, through which the dash-rod extends, the said rod being held against downward displacement by a rod, pin, or collar, *p*, extending through or applied on said dash-rod above the washer, as shown in Fig. 1. The shoulder *n* holds the said rod against upward displacement and the collar and pin *p* against downward movement, so that it follows the upward and downward movements of the block produced by the vibration of lever L. The dash-rod rotates freely in the bearing-block, and extends a sufficient distance through the slot of the said lever to receive a hand-wheel, *w*, at its upper end, by turning which the position of the pounder in the tub may be varied at pleasure to bear against all parts of the clothes therein and subject them to an equal pressure.

It will be observed that the block is hinged to the operating-lever L, and is raised or lowered by it, and that consequently it is held by the weight of the pounder and dash-rod in a constant vertical position, by means of which the entire bearing-surface of the pounder is brought against the clothes at the same time, not subjecting any portion thereof to a pressure exceeding that brought to bear on all the remaining parts thereof, the effect of which is to prevent any portions of the clothes from being unequally worn.

It will also be observed that the beveled end of the upright serves as a stop to the lever, and prevents it from exercising undue pressure on the clothes.

When the full charge of the tub has been duly cleansed, and it is desired to remove it conveniently therefrom, the hook *c* is detached from the eye *r* on the base, and the whole of the device, hereinbefore described, swung upon the hinge *b* out of the way, so that it in no manner interferes with the removal of the

clothing or with the renewal or change of position of the same.

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

The combination, with the base A, having adjustable clamps *a* and the hinged upright B erected thereon, of a lever, L, hinged to said upright, a block, *e*, hinged to said lever, rods *f*, pivoted at one end to said block and at the other to the upright, the curved dash-rod N, carrying the pounder *m* and having the shoulder *n*, washer *e'*, and pin *p*, said

rod extending through said lever and provided on its upper projecting end with a hand-wheel, substantially as specified.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

SAMUEL J. ANDERSON.  
PATRICK W. FARLEY.

Witnesses:

WALTER BLOOMINGDALE,  
C. B. ALLEN.