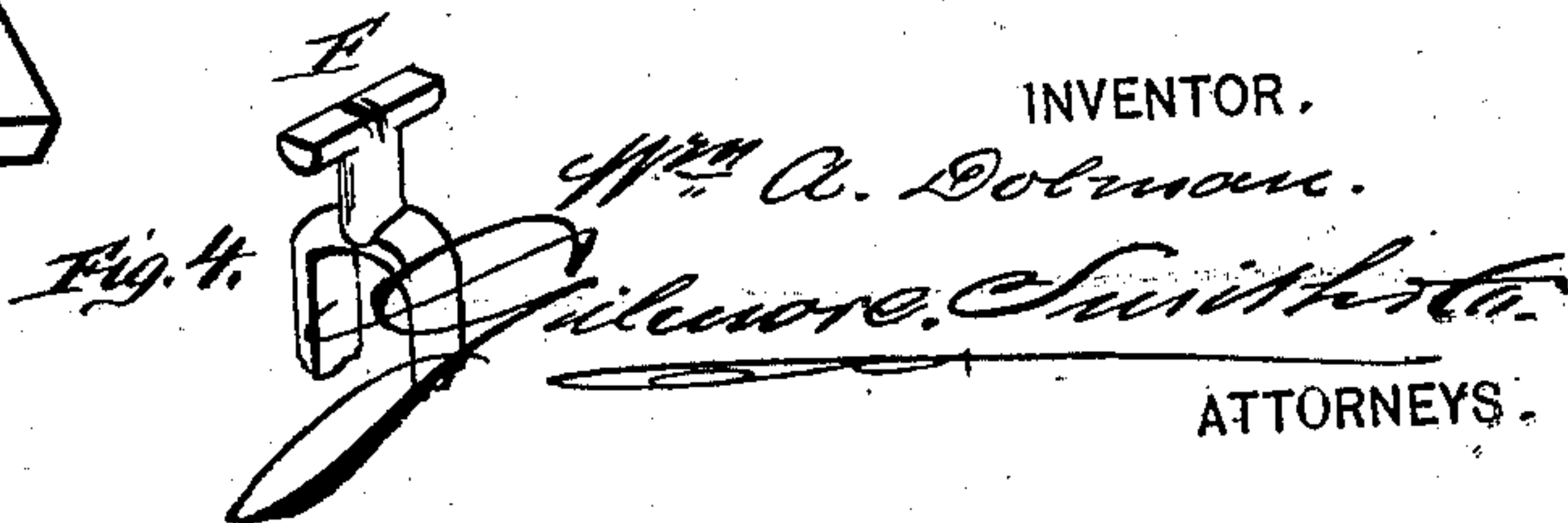
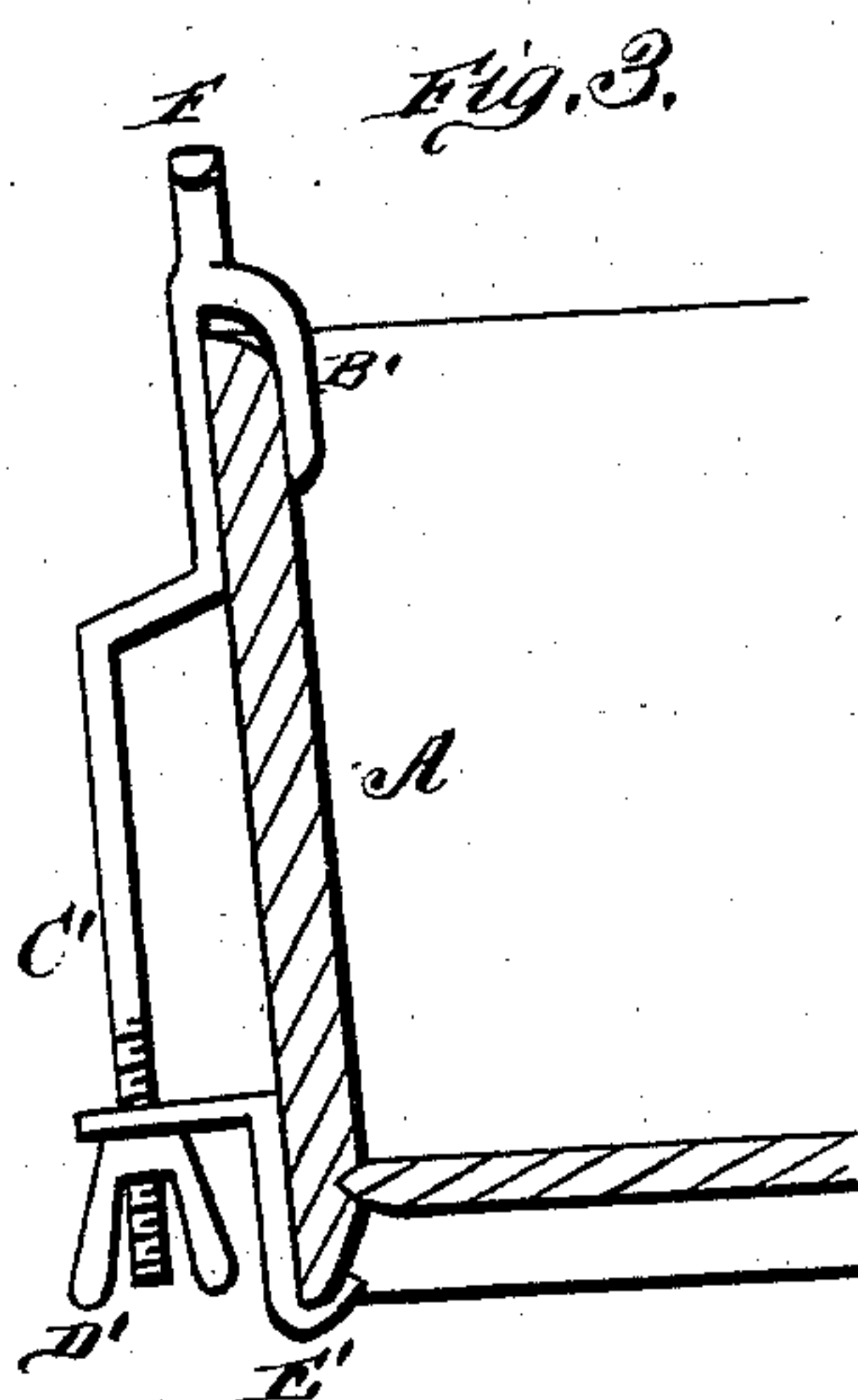
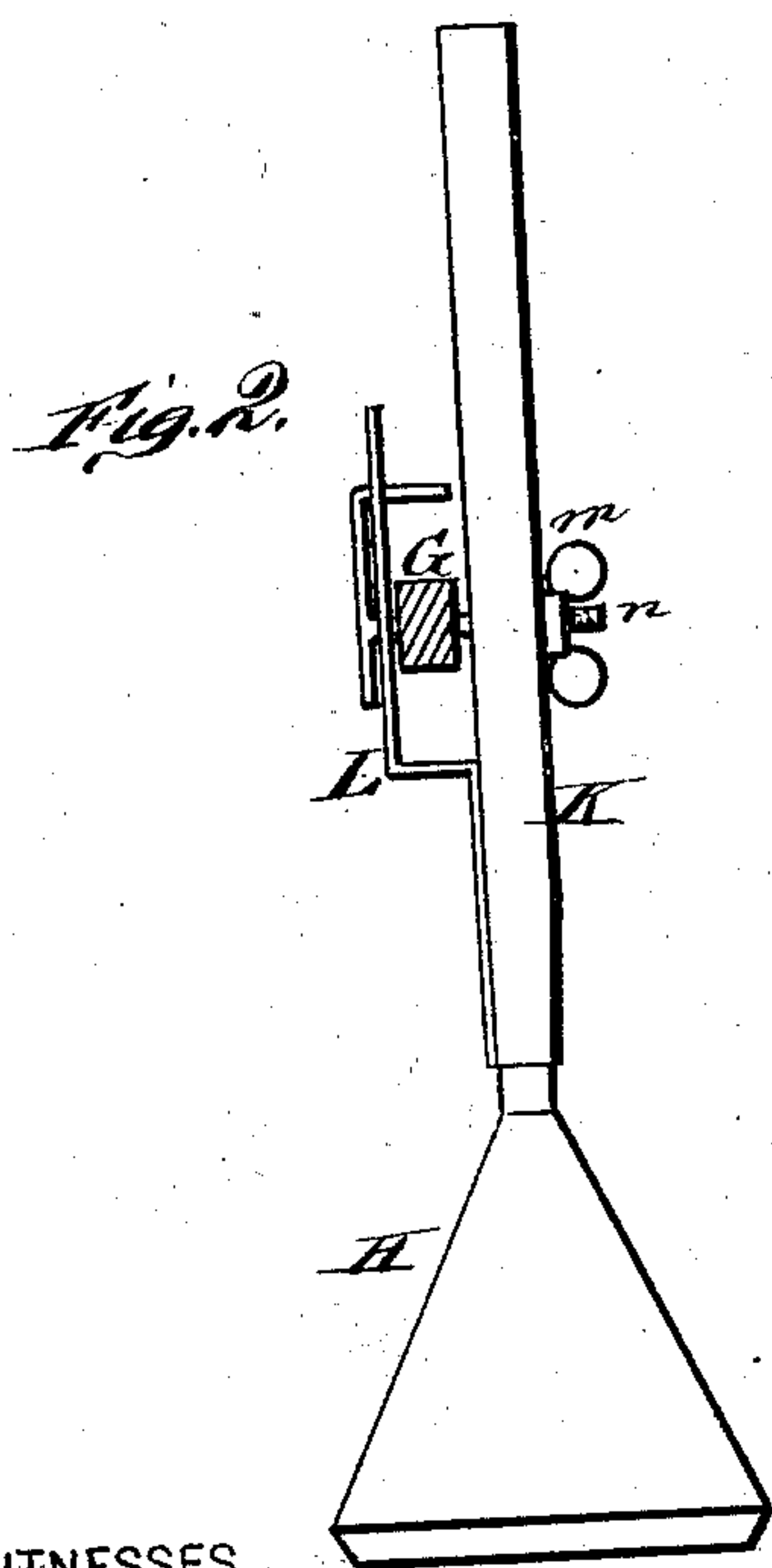
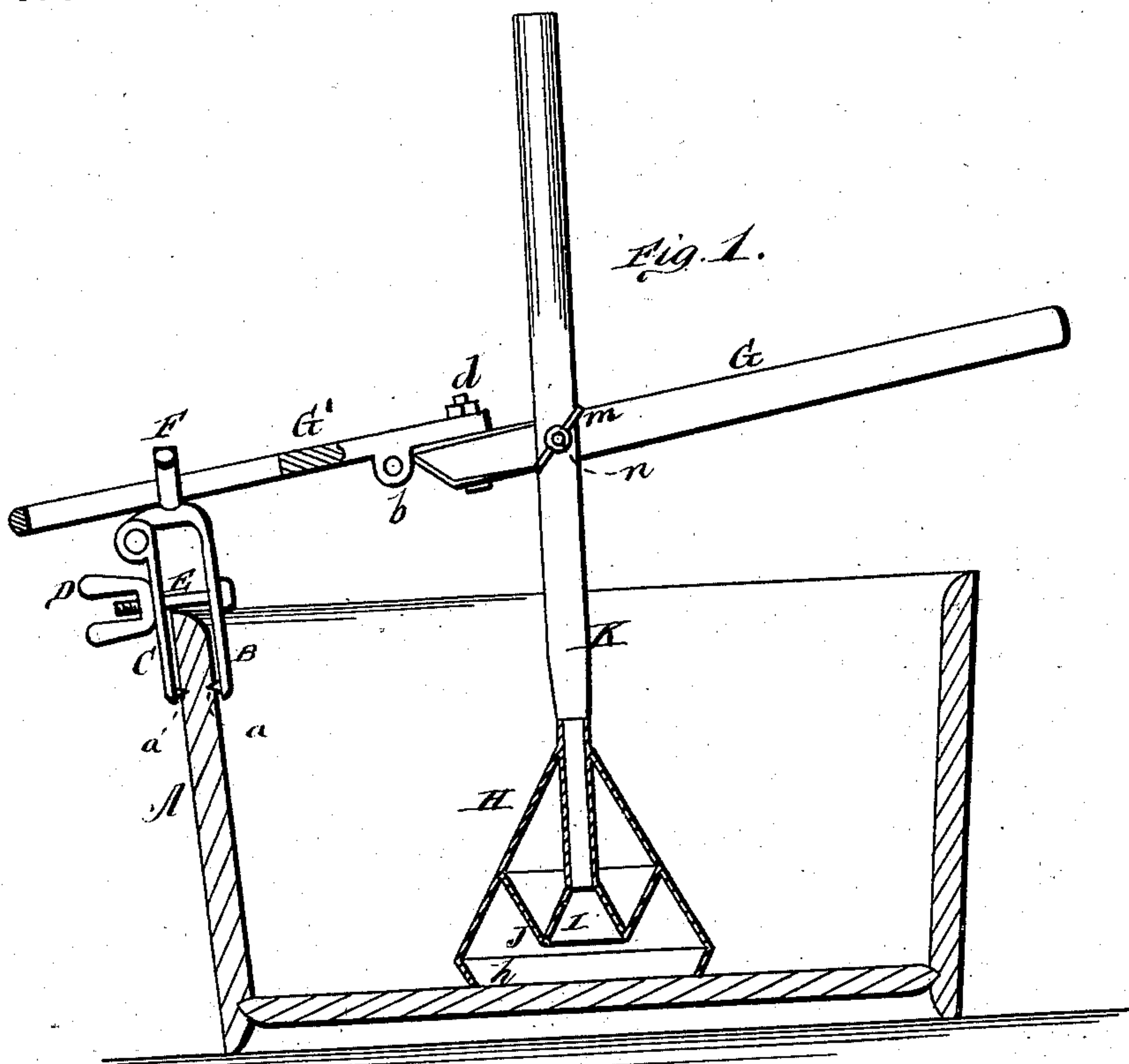


W. A. DOLMAN.
Washing-Machine.

No. 215,588.

Patented May 20, 1879.



WITNESSES,

*Robert Emmett
Jas. Sheehy*

INVENTOR.

Wm. A. Dolman.

ATTORNEYS.

Wilmore Smith & Co.

UNITED STATES PATENT OFFICE.

WILLIAM A. DOLMAN, OF MUNCIE, INDIANA, ASSIGNOR OF ONE-HALF HIS
RIGHT TO SAMUEL J. MILLER, OF SAME PLACE.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **215,588**, dated May 20, 1879; application filed
February 2, 1878.

To all whom it may concern:

Be it known that I, WM. A. DOLMAN, of Muncie, in the county of Delaware and State of Indiana, have invented a new and valuable Improvement in Washing-Machines; and I 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 of reference marked thereon.

Figure 1 of the drawings is a sectional view of a tub, showing my washing-machine as applied. Fig. 2 is a side view of the washer. Fig. 3 is a sectional modification, and Fig. 4 is a perspective detail thereof.

My invention relates to pounder washing-machines; and it consists in the construction and arrangement of the pounder, the operating-lever, the clamp for fastening it to the tub, and in the combination of parts, as will be hereinafter more fully set forth.

The annexed drawings, to which reference is made, fully illustrate my invention.

A represents an ordinary wash-tub in which the clothes are to be washed. To the edge of the tub is fastened a clamp composed of an inner jaw, B, and an outer jaw, C, both having teeth *a a* at their lower ends to enter the wood. The upper end of the inner jaw, B, extends outward, and the outer jaw, C, is pivoted to said outward-projecting end.

A bolt, E, projects from the inner jaw, B, over the edge of the tub and through the outer jaw, C, and a thumb-nut, D, is screwed on the end thereof for securing the clamp to the tub. From the top of the clamp projects a T-head, F, as shown.

In place of this clamp I may use a hook, B', with the T-head F projecting upward from it, said hook to catch on the top edge of the tub. A screw-shank, C', projects downward from said hook, and on said shank is loosely placed a hook, E', to catch on the bottom edge of the tub. A thumb-screw, D', being screwed upon the end of the screw-shank secures the parts on the tub.

The operating-lever is made in two parts, G and G', hinged together at *b*, and fastened

rigidly by means of a bolt, *d*, as shown, the ends of the two parts overlapping each other when thus fastened.

The joint *b* in the lever is of great importance, because in shipping the machine the lever can be folded in small compass. It is also of great convenience in carrying when selling the machine.

The inner part, G', of the lever or handle is slotted longitudinally, as shown, and is connected under the T-head F by being put on the same sidewise, and when brought over the tub the T holds the lever, and yet permits its moving in any direction required.

The washer H is made of the usual conical form, and provided at its lower end with an inwardly and downwardly projecting rim, *h*. This rim will not splash the water, and it creates more suction, and raises the clothes when the pounder is lifted, so as to loosen the clothing.

Within the conical washer H is arranged a smaller cone, I, around the lower edge of which is a flange, J, extending upward and outward, and connecting the two cones. The bottom of the inner cone, I, is elevated above the bottom of the outer cone, and said inner cone forms a receptacle for the air-globes found more or less in washing, so that the air will be gradually forced out of the same instead of (as sometimes) bursting the clothes, and an air-chamber is formed between the outer cone and the flange J.

K is the handle, secured in any suitable manner to the washer, and provided on one side with a bent metal strap, L, between which and the handle the part G of the operating-lever is placed and pivoted by means of a rod, *n*, passing through the parts and fastened by a thumb-nut, *m*. The rod *n* is formed with a T-head having one of its arms bent to pass into a hole in the upper end of the strap L, and thus, by tightening the thumb-nut *m*, the lever will be firmly clamped to the staff or handle K.

I am aware that a circular tub having a support provided with a swiveled standard with a bearing-block operated by a spring and rod at its upper end, and within a slot, has been used in combination with a corrugated lever connected to a clothes-pounder, as shown

in the Patent No. 162,602 to J. W. Batson April 27, 1875, and I make no claim to such construction.

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

1. The pounder-washer consisting of the exterior cone, H, with inwardly-projecting rim *h*, interior cone, I, and flange J, substantially as and for the purposes set forth.

2. The combination of the pounder-staff K,

strap L, lever G, T-rod *n*, and thumb-nut *m*, substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WM. A. DOLMAN.

Witnesses:

ARTHUR L. SHIDELER,

T. J. RILEY.