

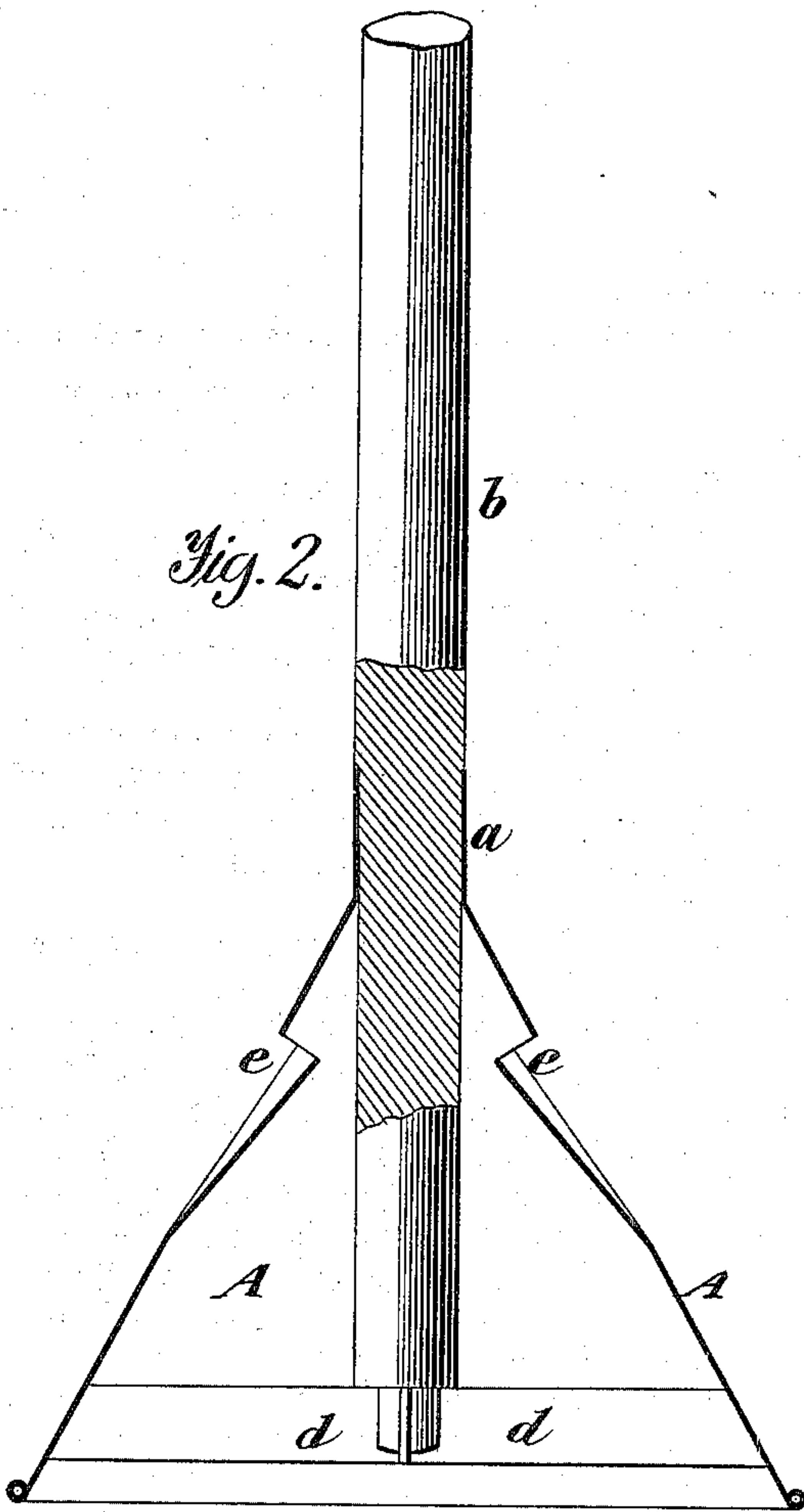
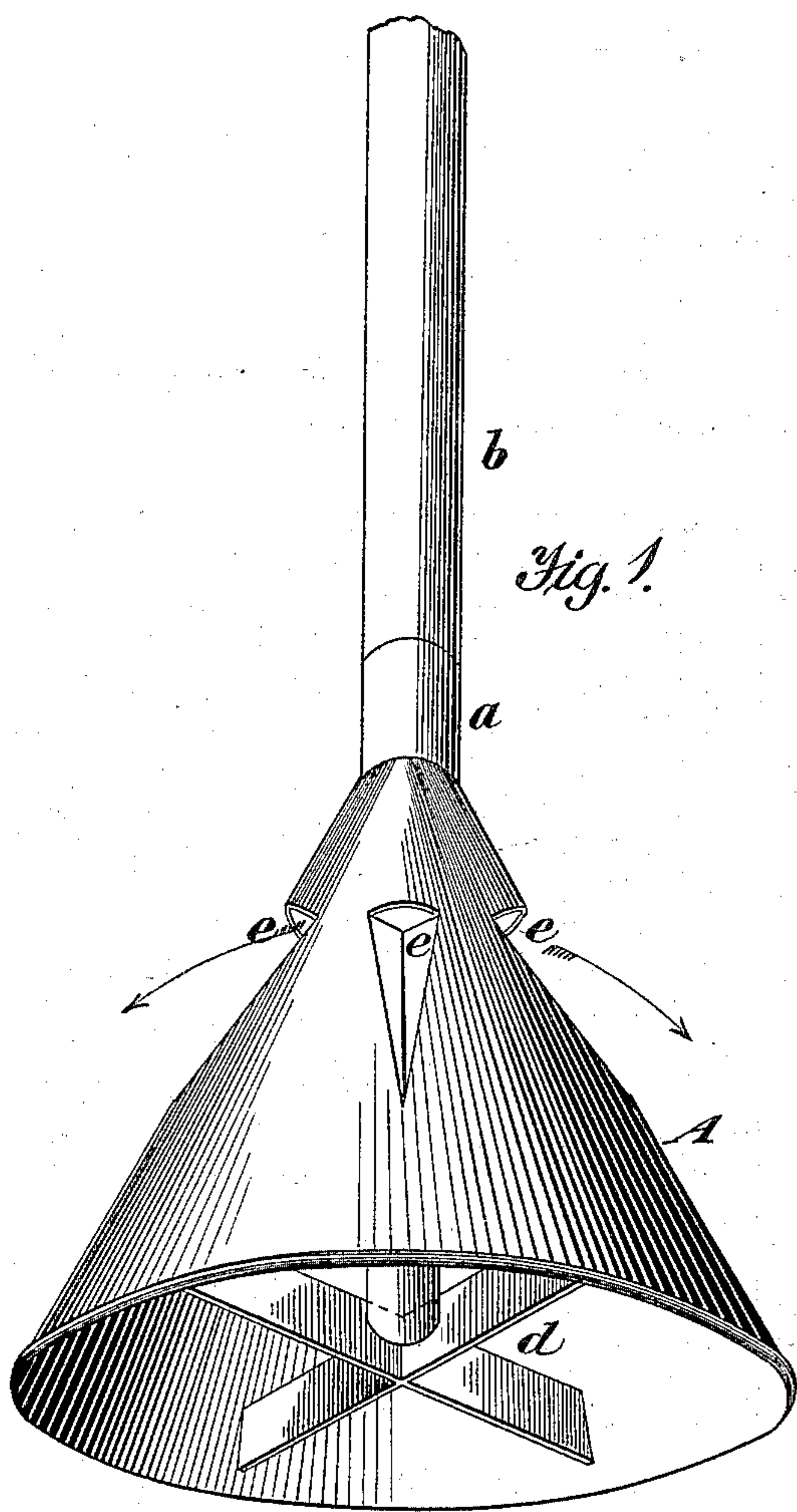
(No Model.)

C. CRITCHFIELD.

POUNDER OR WASHING MACHINE.

No. 330,296.

Patented Nov. 10, 1885.



Witnesses.
A. Rupert,
Alfred T. Sage.

Inventor.
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UNITED STATES PATENT OFFICE.

CALVIN CRITCHFIELD, OF SHIELDS, INDIANA.

POUNDER OR WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 330,296, dated November 10, 1885.

Application filed March 7, 1885. Serial No. 158,026. (No model.)

To all whom it may concern:

Be it known that I, CALVIN CRITCHFIELD, of Shields, in the county of Jackson and State of Indiana, have invented an Improved Pounder or Washing-Machine, of which the following is a specification.

The special object of the invention is to furnish to the public a washer or pounder which shall be light, simple in construction, thoroughly efficient, and yet necessitating little expense.

Figure 1 of the drawings is a perspective view. Fig. 2 is a vertical section.

In the drawings, A represents the pounder as an entirety, while *a* is a tube that holds a handle, *b*. The latter extends down within a short distance of the hollow base of the cone, where it is attached to the cross-bars *d*, which thus hang some distance above the bottom of wash-tub. This provides a space between the tub bottom and the cross-bars, and in this space the fabrics are raised by the subjacent water. As the cross-bars press upon the clothes the water is caused to move upwardly with great force, and when it has reached its highest point passes out through the downwardly-oblique holes *e* to the outer surface of the cone, thence to the tub. The cone A and

tube *a* may be integral or may be soldered together. The deflecting outlets *e* are formed by a horizontal nick or slot cut in the metal and then shaped by inserting a sharp-pointed instrument or punch in an upward direction. This throws the water down in a line with the sides of the cone.

The suction produced by the hollow cone raises the clothes from the bottom of the tub and loosens them up, so that as the pounder returns in a downward direction a current of water is forced through the clothes, thus taking out all impurities. The latter become dissolved and are held in solution by the water.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new, and desire to protect by Letters Patent, is—

In pounder washing-machines, a single cone having holes *e* opening into channels on the outside, open at bottom and provided with cross-bars above said bottom, whereby it may be operated in the manner described.

CALVIN CRITCHFIELD.

Witnesses:

ISAAC SMITH,
LOUIS SMITH.