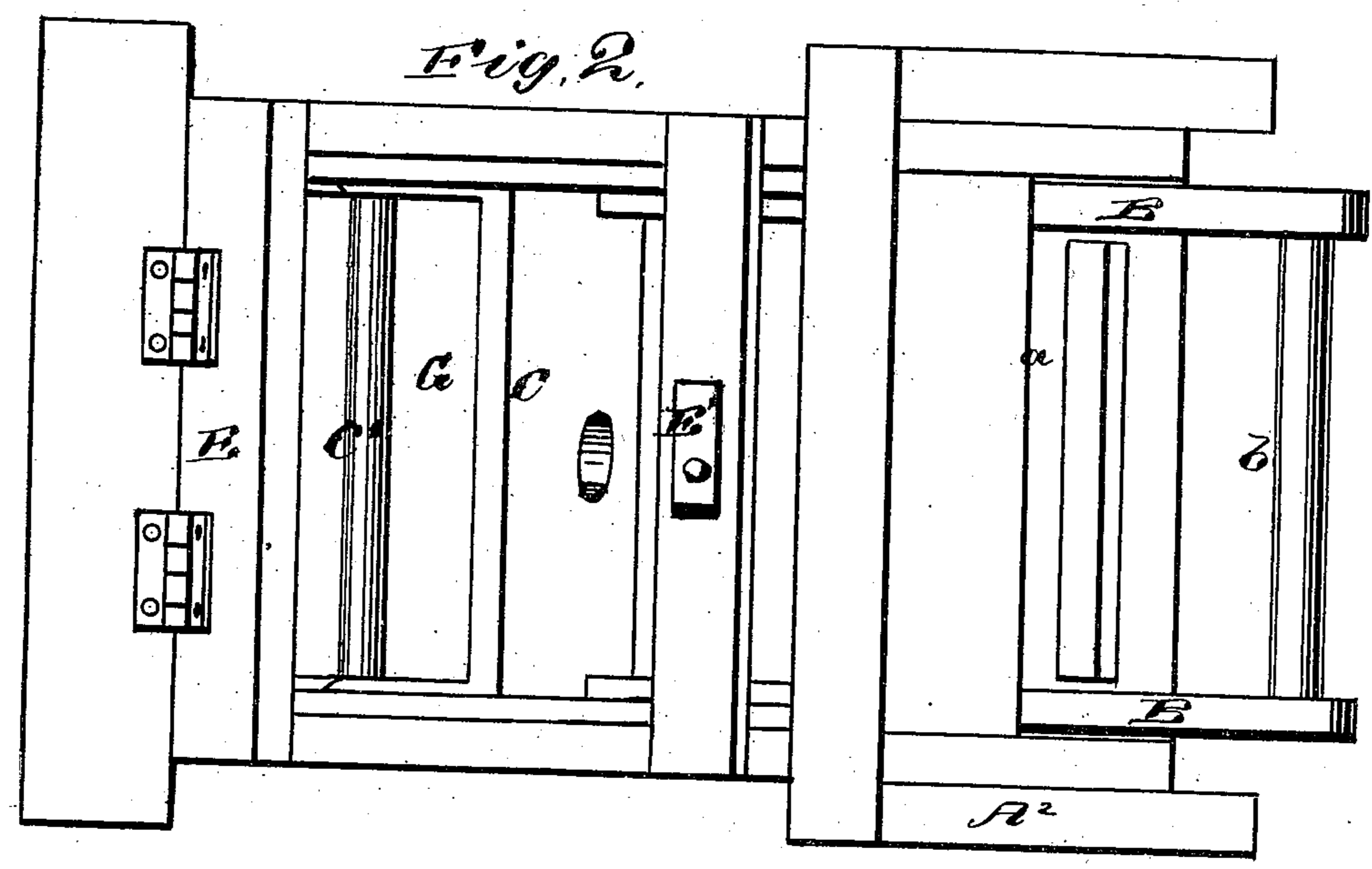
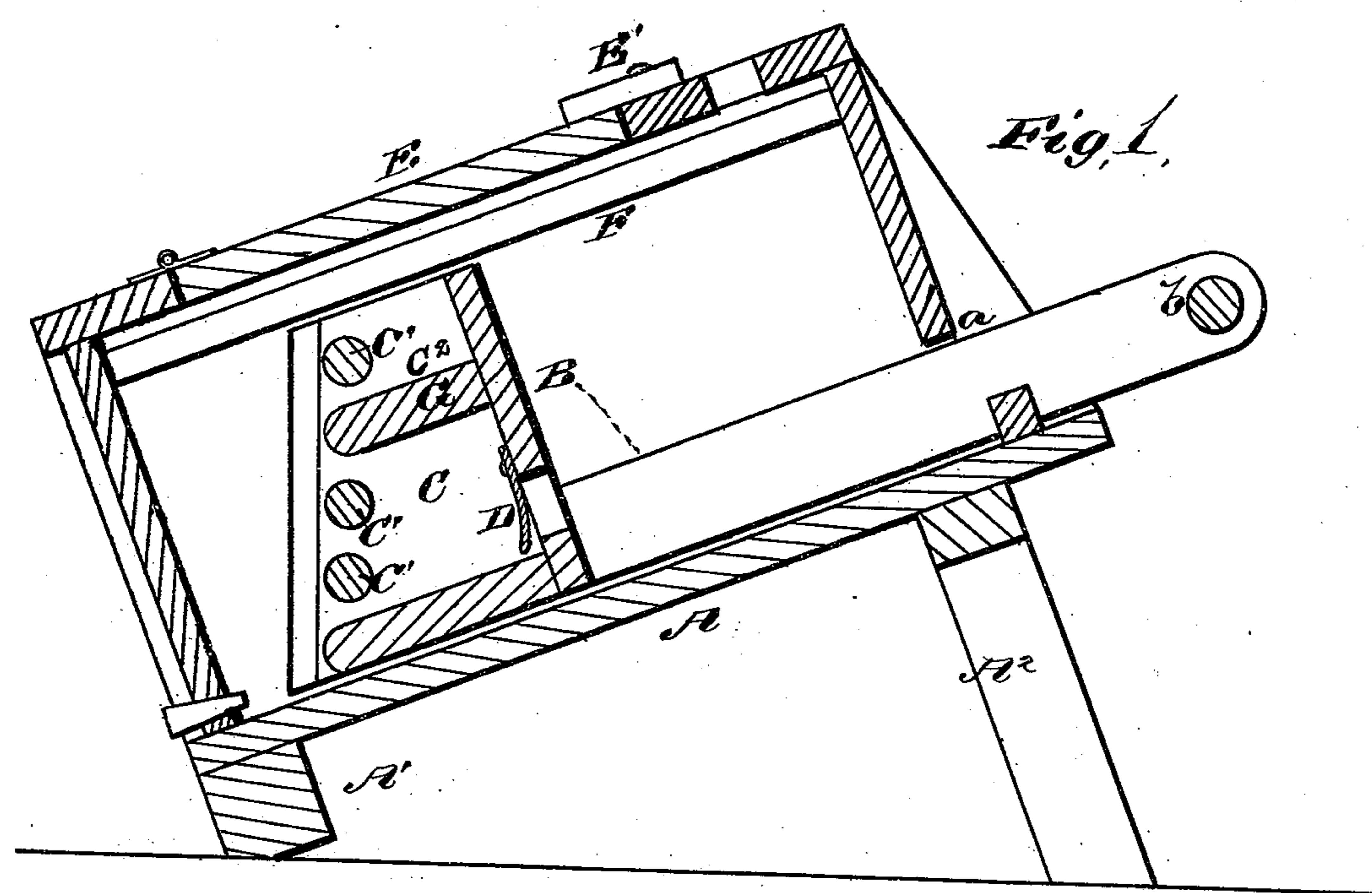


J. W. HORN.  
 WASHING-MACHINES.

No. 193,957.

Patented Aug. 7, 1877.



WITNESSES  
*Edw. Bates*  
*George E. Upham*

INVENTOR.  
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 ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JOHN W. HORN, OF EDEN'S RIDGE, TENNESSEE.

## IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 193,957, dated August 7, 1877; application filed May 31, 1877.

*To all whom it may concern:*

Be it known that I, JOHN W. HORN, of Eden's Ridge, in the county of Sullivan and State of Tennessee, 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 and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a central vertical section of my washing-machine, and Fig. 2 is a plan view of the same.

This invention relates to washing-machines; and consists in the construction and arrangement hereinafter fully set forth.

In the accompanying drawings, A designates an inclined wash-box, supported at one end by a beam or cross-block, A<sup>1</sup>, and at the other end by slanting legs or supports A<sup>2</sup>. The lower end of said box is entirely closed; but the upper end has an opening, *a*, extending entirely across its lower part, to allow the outward extension of the handle end of a sliding plunger-frame, B, which works within the box. Said end is provided with a cross-rung, *b*, which can be conveniently grasped by the operator's hands.

The lower end of said frame is provided with a pounder-casing, C. The front or operating face of said pounder-casing is open and provided with cross-rungs or friction-bars C<sup>1</sup>, forming a pocket, C<sup>2</sup>, to hold small articles of linen to be washed, and soap, &c. Said front is also inclined.

The rear of the pounder-casing is at right

angles to the bottom of the box, and is provided with a valve, D, which prevents the escape of water as the pounder-casing descends, but allows water to flow into and below said pounder-casing to avoid suction when the same is withdrawn.

E designates a door in the top of the box for the insertion and removal of the fabrics to be washed, and E' a button for fastening the same.

The movement of the pounder-casing in the box is controlled by inclined guides F on the inside of said box.

The upper part of the pounder-casing C is not covered, being separated by cover or partition G from the lower part thereof.

I am aware that a tubular plunger provided with a valve has heretofore been used in combination with stationary bars, a water-chamber, and an adjustable partition, as shown in Letters Patent No. 166,460, granted to Joseph Hollingsworth, dated August 10, 1875, and I therefore lay no claim to such invention.

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

The inclined wash-box A, having guides F and slot *a*, in combination with the plunger-frame B and pounder C, open at its top, and provided with bars C<sup>1</sup>, partition G, pocket C<sup>2</sup>, and valve D, substantially as described, and for the purpose set forth.

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

JOHN W. HORN.

Witnesses:

JOHN FAIN,  
A. J. BROWN.