

Krauser & Bowman,

Washing Machine,

No 67,990,

Patented Aug. 20, 1867.

Fig. 1

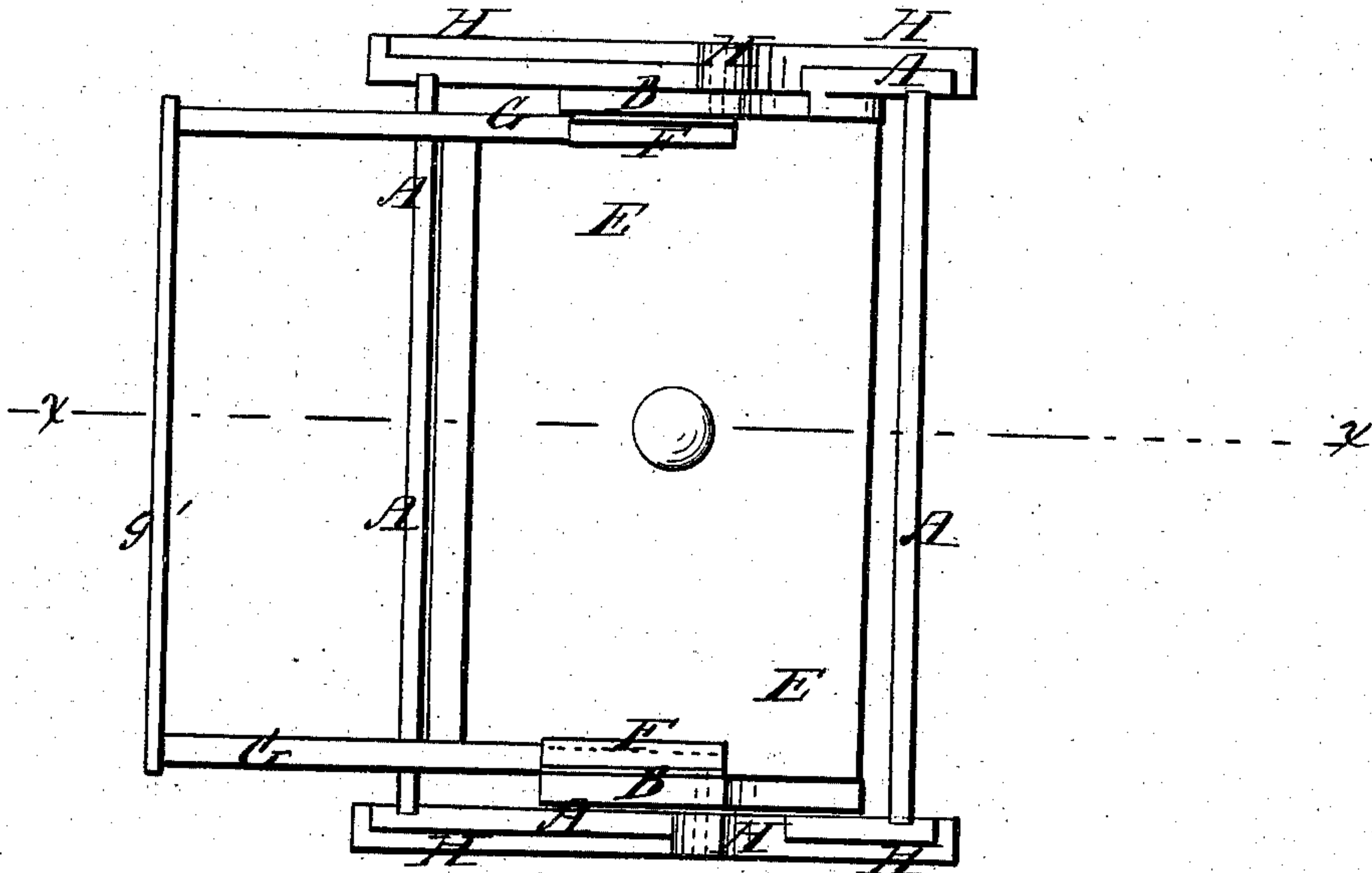
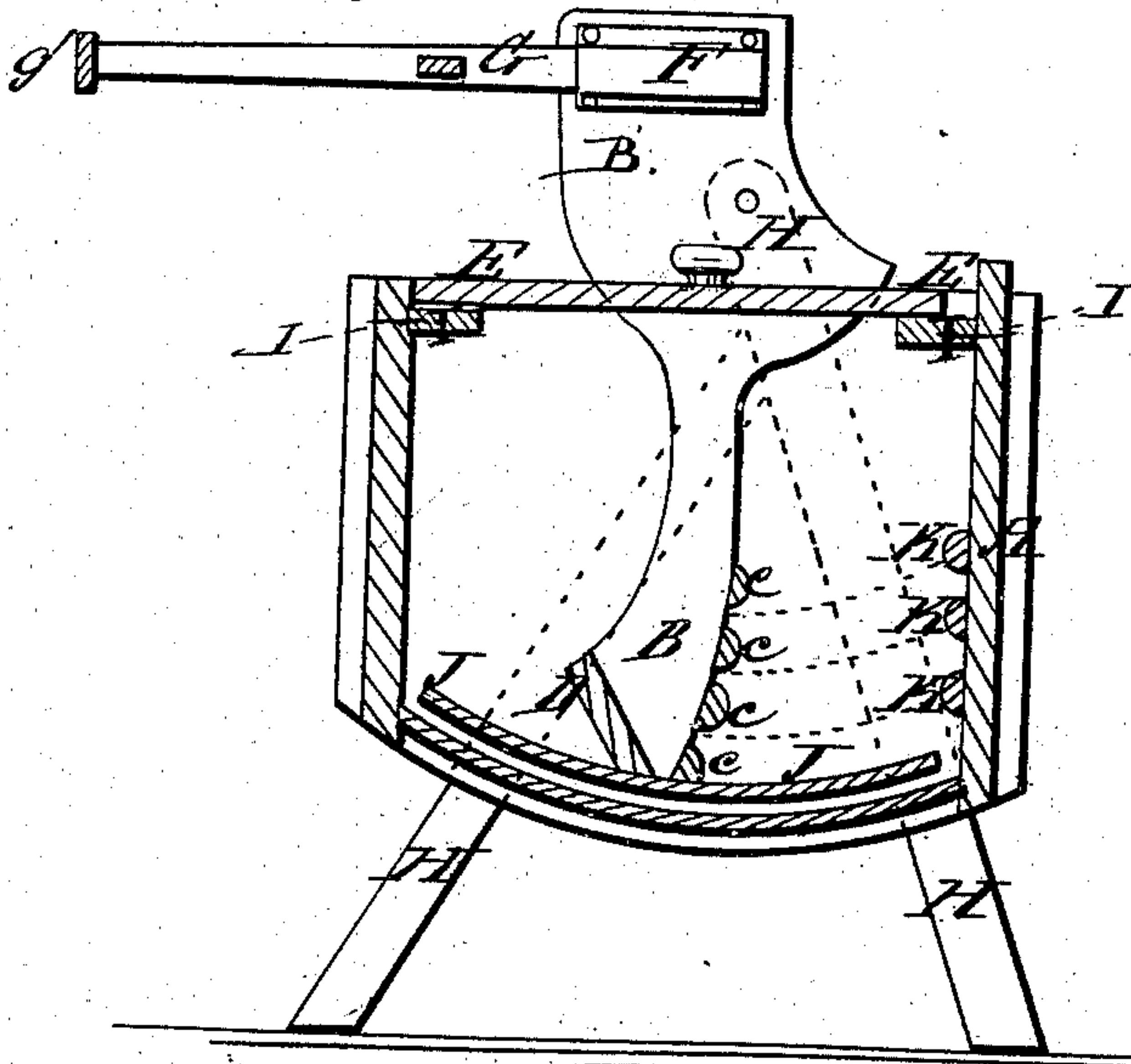


Fig. 2



Witnesses.
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D. H. KRAUSER AND G. N. BOWMAN, OF POTTSVILLE, PENNSYLVANIA.

Letters Patent No. 67,990, dated August 20, 1867.

IMPROVED WASHING MACHINE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, D. H. KRAUSER and G. N. BOWMAN, of Pottsville, in the county of Schuylkill, and State of Pennsylvania, have invented a new and improved Washing Machine; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a top view of our improved washing machine.

Figure 2 is a vertical cross-section of the same taken through $x x$, fig. 1.

Similar letters of reference indicate like parts.

Our invention has for its object to furnish an improved washing machine simple in construction, not liable to get out of order, easy to be operated, and which will do its work thoroughly and quickly; and it consists in the construction and arrangement of the various parts of the machine, as hereinafter more fully described.

A is the box of the machine, the sides and ends of which are vertical, or nearly so, and the bottom is curved in the arc of a circle, having the axis of the pivoting points of the oscillating arms for its centre. B are the oscillating arms, to the forward side of the lower parts of which are attached horizontal slats C, leaving spaces between them of about half an inch in breadth. To the rear side of the lower parts of the oscillating arms B is attached a board, D, as shown in fig. 2. The edges of the upper parts of the oscillating arms B are made nearly in the arc of a circle, so as to keep the slats in the cover E, in which they work, closed as nearly as may be to prevent the escape of heat and steam. To the upper ends of the oscillating arms B, above the cover E, are attached keepers, F, for the reception of the operating levers G, so that the said levers may be removed from the machine when not in use. The keepers F should be made of galvanized iron or other substance that will not be acted upon by the water. For convenience in operating the machine the outer ends of the lever G may be connected by a cross-bar, g' , as shown in fig. 1. H are the legs of the machine, which are attached to the ends of the box A, in an inclined position, as shown in fig. 2, to give a firmer support to the box, and the end of which, upon each end, extends above the top of said box, and to the said projecting ends are pivoted the oscillating arms B, as shown in the drawings. I are horizontal boards attached to the sides of the box A, near their upper edges, to prevent the water from splashing out, and to support the cover E. J is a false bottom curved in the same manner as the true bottom of the box A. The false bottom J is securely attached at its ends to the ends of the box A in such a position as to leave a space of about an inch between the true and false bottoms, and it is of such a breadth as to leave spaces of about an inch between its side edges and the sides of the box, as shown in fig. 2. K are ribs or slats corresponding in position to the ribs or slats C attached to the oscillating arms B, as shown in fig. 2, so that when the oscillating arms are moved forward the slats C may enter the spaces between the slats K.

In using the machine the clothes to be washed are placed in the forward part of the box A, between the ribs C and K; and as the oscillating arms B are moved forward the clothes are squeezed and pressed between the slats or ribs C and K, squeezing out the water and dirt, which escape through the spaces between the slats C into the rear part of the box A. As the oscillating arms B are moved back the board D pushes back the water, forcing it to flow into the forward part of the box through the space between the true and false bottoms, which said water, rising against the clothes in the forward part of the said box, turns them over so that a different part of the said clothes may be acted upon each time.

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

1. The legs H, attached to the sides of the box A in an inclined position, the longer legs having pivoted in their upper ends the curved oscillating arms B, as herein set forth for the purpose specified.
2. The oscillating arms B, constructed as described, the lower convex side having parallel convex slats C and its bottom edge board D inclined to form an acute angle with the convex sides, its upper end curved in the arc of a circle in such a manner that in its oscillations it shall completely fill the slot in the cover E, preventing the escape of liquid, as herein set forth for the purpose specified.
3. The curved false bottom J, arranged in relation with the inclined board D and convex slats C upon the oscillating arm B, as herein set forth for the purpose specified.

D. H. KRAUSER,
G. N. BOWMAN.

Witnesses:

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JACOB CHRISMAN.