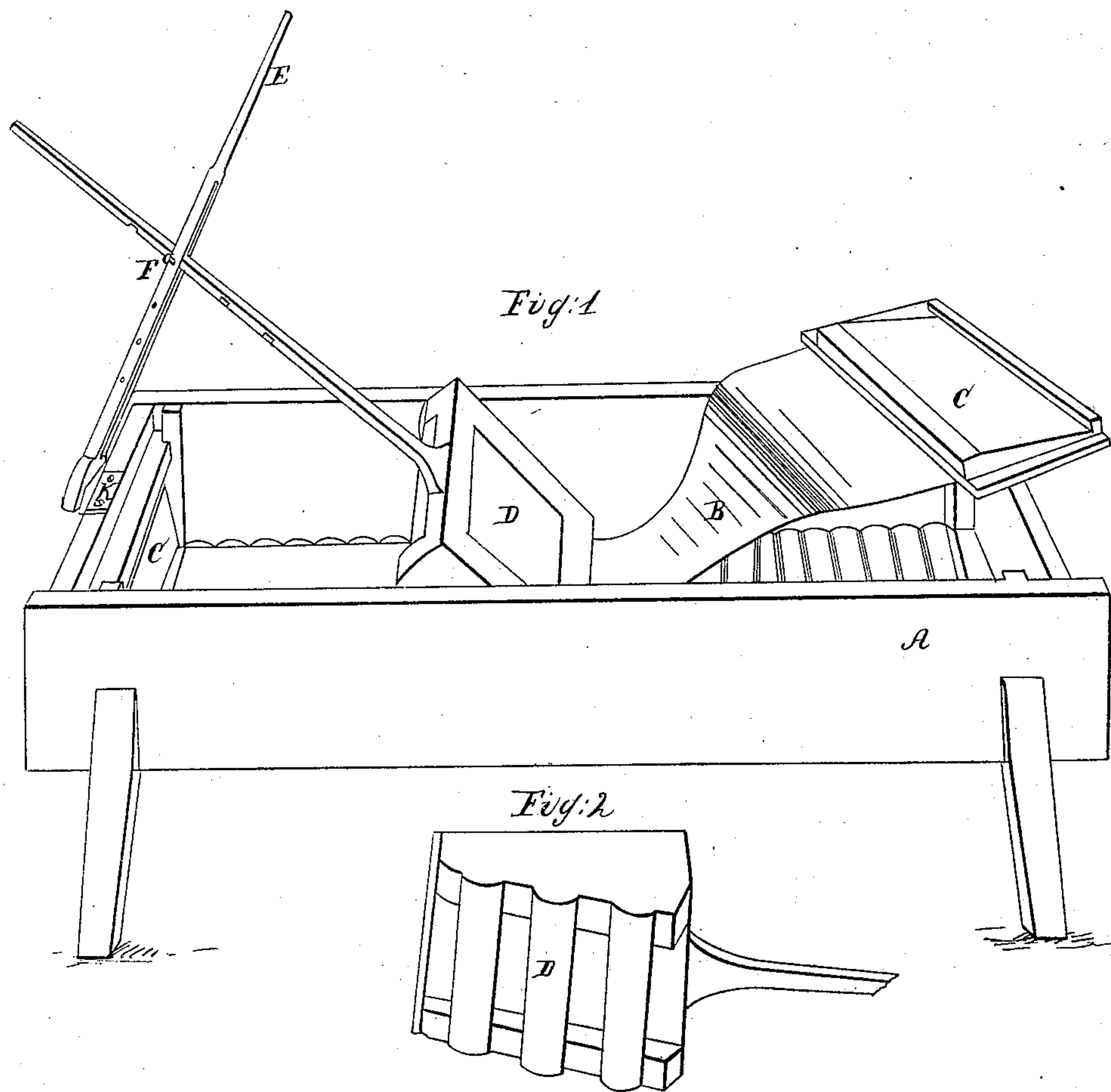


G. Keyes,
Washing Machine,
N^o 62,854. *Patented Mar. 12, 1867.*



Witnesses

J. C. Oliver
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GILSON KEYES, OF BINGHAMTON, NEW YORK, ASSIGNOR TO HIMSELF AND
F. Y. PAYN, OF SAME PLACE.

Letters Patent No. 62,854, dated March 12, 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 I, GILSON KEYES, of Binghamton, in the county of Broome, and State of New York, have invented a new and useful improvement on Washing Machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view.

Figure 2 is an inverted view of the rubber and its handle on shaft, detached from the lever.

Similar letters of reference indicate corresponding parts in each figure.

The object of this invention is to imitate the hand operation of rubbing the clothes upon the common wash-board, by so arranging the handle or shaft of the rubber that the rubbing force may be applied on an angle with the corrugated wash-board in the bottom of the suds-box, and to construct a cheap, durable, and efficient apparatus, so that those of the most limited means can have the benefit of it.

I construct my improvement of the ordinary material used for such purposes. I make a box, A, three feet long and fifteen inches wide. In the bottom of said box I place a wash-board, which occupies the full length. I then make a hole through the bottom, near the end, for the purpose of drawing off the water, and close it with a common plug. For the purpose of protecting the clothes from undue abrasion I cover the face of the wash-board with an apron, of canvas, B, which is secured in its position by means of the slides C C, attached to each end of said apron. These slides are grooved into each end of the box A, by which means the apron is secured in its position during the operation of washing. I make the face of the rubber D slightly curved and corrugate it to correspond with the face of the wash-board. For ordinary purposes the rubber will be heavy enough to thoroughly cleanse the clothes without additional weight; but if found necessary the hand can be applied to the top, pressing it down, while the right hand gives it the proper motion by means of the lever E. For the purpose of lengthening or shortening the stroke of the rubber D I make notches in the handle or shaft to work on the pin F, in the slot of the lever, and for the purpose of changing the angle of the rubber with the wash-board I make several holes through the slotted part of the lever for the pin F. The lever E is attached to the suds-box A by means of a hinged joint, K. The box can be supplied with legs, as shown in fig. 1, or it can be used without them by setting it upon a bench or table.

When I use my invention I detach one end of the canvas apron, supply the proper amount of water and soap, adjust the rubber handle to the desired length of stroke and angle; I then commence the operation of washing by giving motion to the lever.

I am aware that there are washing machines similar in some respects to my improvement. I therefore disclaim all such, and confine myself only to its novel features. In my improvement I combine simplicity, efficiency, and cheapness of construction.

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

The combination and construction of the suds-box A, with the lever E, notched handle of the rubber B, and mode of securing the canvas apron by means of the slides C C, as described and for the purpose set forth.

GILSON KEYES.

Witnesses:

J. C. ROBIE,

A. E. ANDREWS.