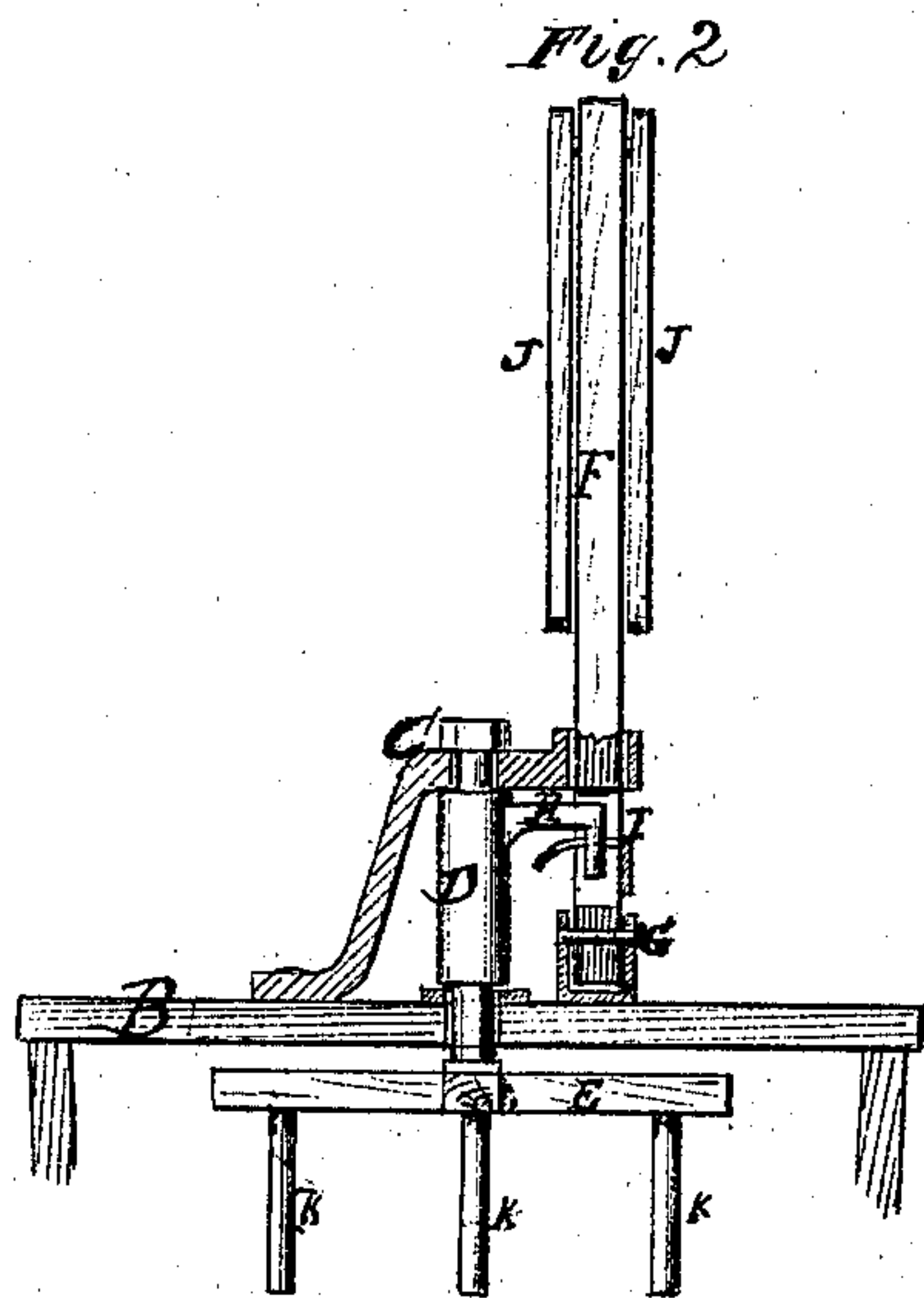
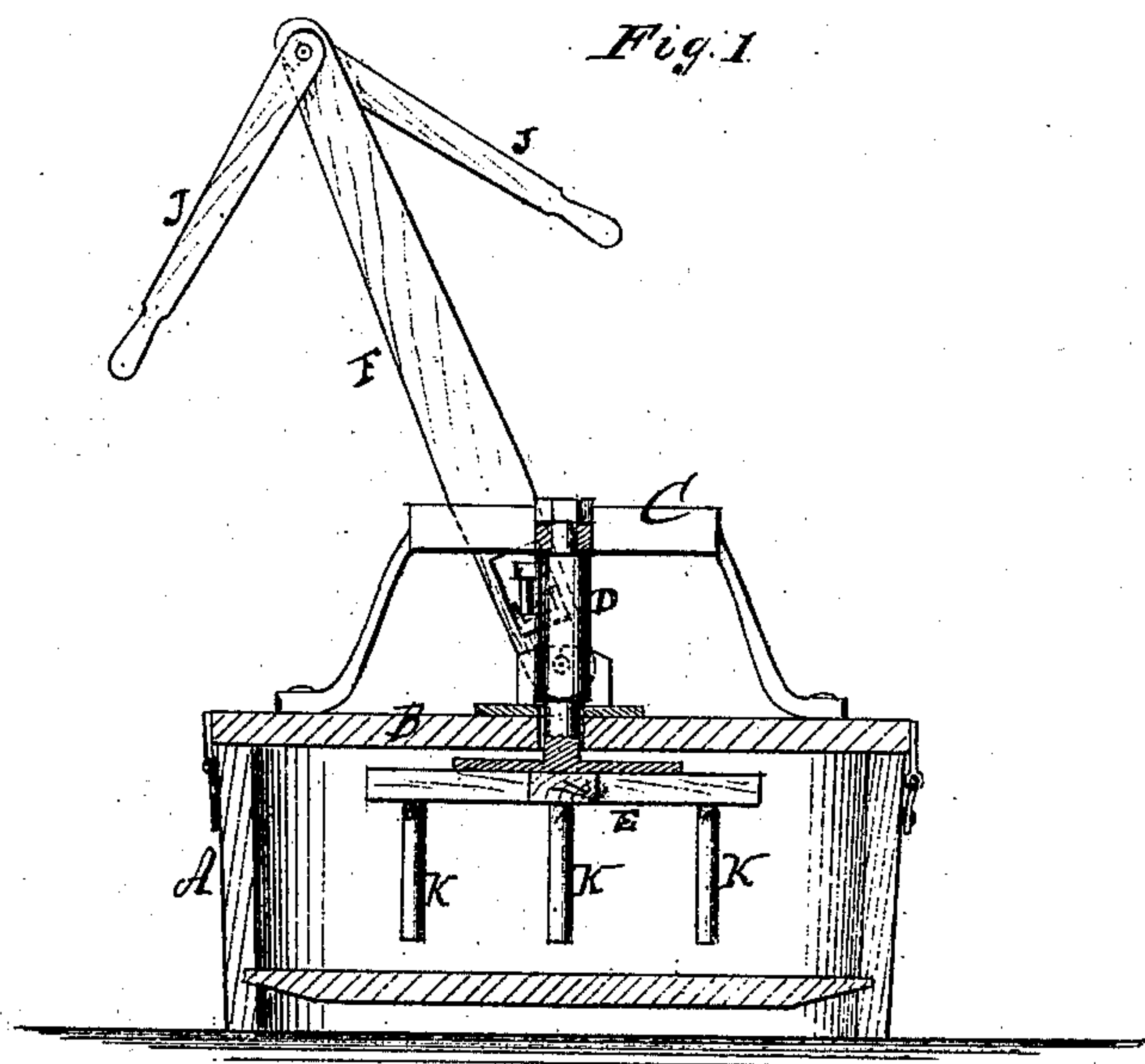


*A. J. Wilcox,*  
*Washing Machine.*  
*No. 98830. Patented Jan. 11. 1870.*



Witnesses:

*Egar Tate*  
*Brookbrook*

Inventor:

*A. J. Wilcox*  
 PER *Munn & Co.*  
 Attorneys

# United States Patent Office.

ALEXANDER J. WILCOX, OF FALL RIVER, MASSACHUSETTS.

Letters Patent No. 98,830, dated January 11, 1870.

## 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, ALEXANDER J. WILCOX, of Fall River, in the county of Bristol, and State of Massachusetts, have invented a new and useful Improvement in Washing-Machines; and I 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.

This invention relates to a new and useful improvement in machines for washing clothes; and

It consists in the construction and arrangement of parts as hereinafter specified.

In the accompanying drawing—

Figure 1 represents a vertical section of a tub provided with my improvement.

Figure 2 is a vertical section of my improvement, detached.

Similar letters of reference indicate corresponding parts.

A represents a tub, which may be in the form and of the size of the ordinary wash-tub.

B is a cover, which is made to fit on top of the tub, where it is fastened down (when the machine is in operation) by hooks and eyes or staples, or in any convenient manner, so that it may be readily removed for giving access to the inside.

C is a slotted stand, supported on the cover B by two or more legs.

D is a vertical shaft, which passes down through the cover B, to which the cross E is attached, in any substantial manner.

The upper end of the shaft D is supported by the stand C, as seen in fig. 2. It is by partially rotating this shaft, and thereby vibrating, or by a partial ro-

tating movement back and forth of the cross, that the machine is made to wash and cleanse the clothes, which have been placed in the tub.

F represents the operating-lever, whose fulcrum is at G.

H is an arm on one side of the shaft D, which projects into a slot or mortise in the lever, as seen at I.

The operating-lever F is worked back and forth in the slot of the stand C, and is guided thereby.

J represents handles, one or two, pivoted to the upper end of the lever for operating the machine. By this arrangement, either one or two persons may work upon the lever.

K represents the pins in the cross E. Of these pins there may be more or less in number, and of any desired size and length.

Instead of a cross on the end of the shaft D, there may be a disk-wheel for carrying this pins K.

It will be seen, that by this arrangement all injurious friction is avoided, while the machine is very easily operated, simple in its construction, and most effective in its operation.

Having thus described my invention,

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

In combination with the tub A and cover B, the slotted guide-stand C, lever F, pivoted at G, and provided with a mortise, I, the shaft D, and its arm H, and the stirrer-head E, having pins K, all constructed and arranged as shown and described, for the purpose specified.

ALEXR. J. WILCOX.

Witnesses:

MILTON REED,

ALEX. O. MILNE.