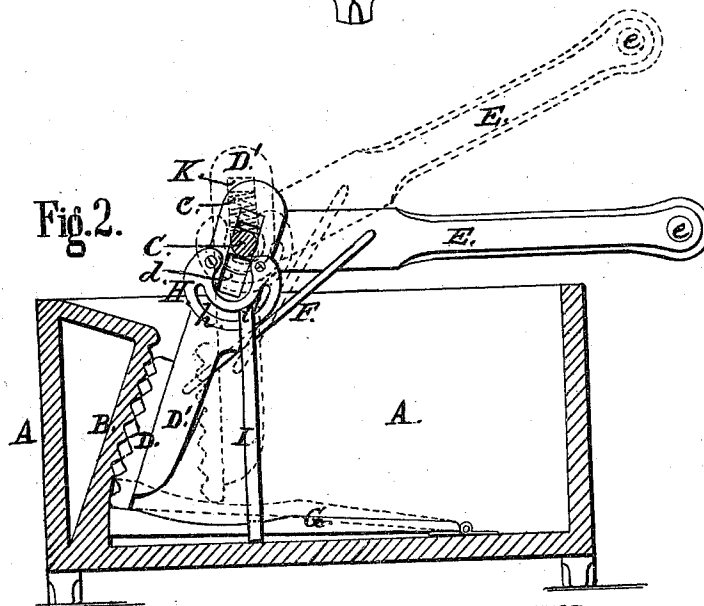
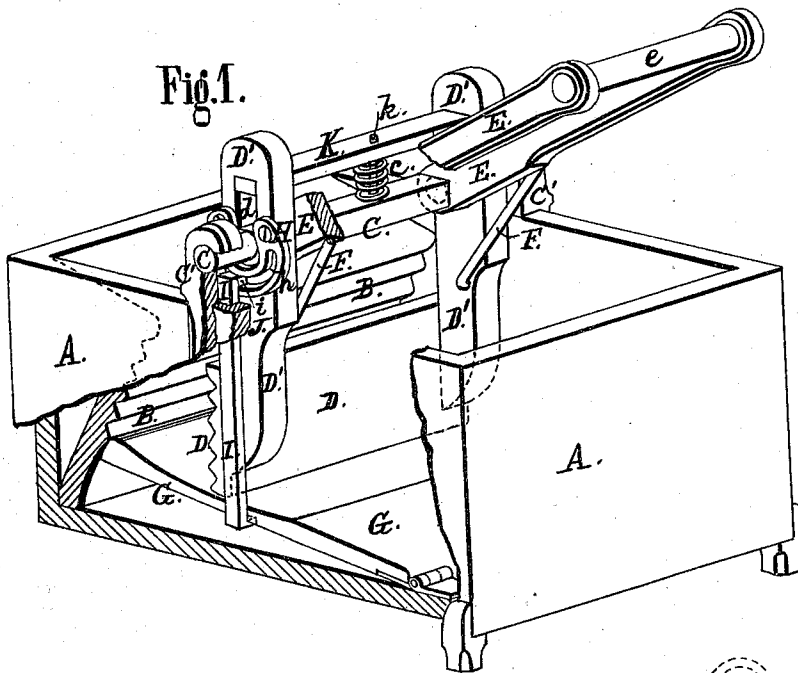


W. PARKER.
Washing-Machines.

No. 142,268.

Patented August 26, 1873.



ATTEST.

Robert Burns.
Walter Allen

INVENTOR.

William Parker.
By *Knigh & Bros.* Attys.

UNITED STATES PATENT OFFICE.

WILLIAM PARKER, OF ROLLA, MISSOURI, ASSIGNOR OF ONE-HALF HIS
RIGHT TO ARTHUR CORSE, OF SAME PLACE.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **142,268**, dated August 26, 1873; application filed
July 21, 1873.

To all whom it may concern:

Be it known that I, WILLIAM PARKER, of Rolla, Phelps county, Missouri, have invented a certain new and useful Improvement in Washing-Machines, of which the following is a specification:

This invention relates to an improvement on patent 133,049, granted to me November 12, 1872. The improvement consists in supporting the free edge of the board G by suspension-rods whose upper ends are connected to the oscillating side bars D'. This arrangement dispenses with the springs *g'* of the said patent, and makes the movements of the board G positive in relation to that D in its vertical movements, so that they must always be in the proper relative position.

Figure 1 is a perspective view, with parts broken away. Fig. 2 is a longitudinal section of the box, and side elevation of the moving wash-board and frame.

A is the box or receptacle, and B an inclined board fixed at one end of the same, and having horizontal flutes and ribs. C is a pivot-bar, having pivot-bearing in the ears C', secured to the sides of the box. This pivot-bar passes through slots *d* in the side bars D' of the oscillating wash-board D, the bar C forming the axis of oscillation for the board D. E E are the levers, which admit of oscillation on the bar C. The end of the levers E E are connected by a hand-bar, *e*; they act upon the board D to oscillate it by means of the braces F F, whose ends are pivoted, respectively, in the levers E E and side bars D' D'.

The parts thus far are substantially similar to those described in my former patent, No. 133,049; but in this improvement the springs *g'* are dispensed with, and a single spring, *c*, is made to perform the office of the two springs *c c* of that patent.

Upon the outer side of each of the bars D' is secured a segment, H, having a segmental slot, *h*, in which works a button or anti-fric-

tion roller, *i*, upon the inturned end of the suspension-rod I. The lower end of each suspension-rod is pivoted to the board G, so as to hold up the said board to near contact with the lower edge of the board D. These suspension-rods I may slide in guides J, secured to the sides of the box A. The top side of the board G is so curved that, as the board D swings over it in its ordinary movements, the distance between the top of the board G and the lower edge of the board D shall be about uniform.

As the board D oscillates the roller or button *i* travels back and forth in the slot *h*, the suspension-rods remaining vertical and supporting the board G in one position during the oscillation of the board D.

It will be seen that when the boards B D are in contact, and the levers E E are still further depressed, causing the board D to descend edgewise, the suspension-rods (their upper ends being secured to the side bars D' D') will descend with the board D, and allow the board G also to descend; and as the board D again rises, the bottom board G is drawn up with it. The boards D and G are raised after each said descent by a spring, *c*, which rests upon the middle of the pivot-bar C, and whose upper end bears against the lower side of the cross-bar K, connecting the upper ends of the side bars D'. *k* is a guide-pin secured to the bar C or K, and passing axially through the spring and through the other bar.

I claim as new and of my invention—

The combination of the oscillating board and frame D D', the suspension-rods I, and bottom board G, all arranged and operating substantially as set forth.

WILLIAM PARKER.

Witnesses:

DAN. DUGAN,
W. G. POMEROY.