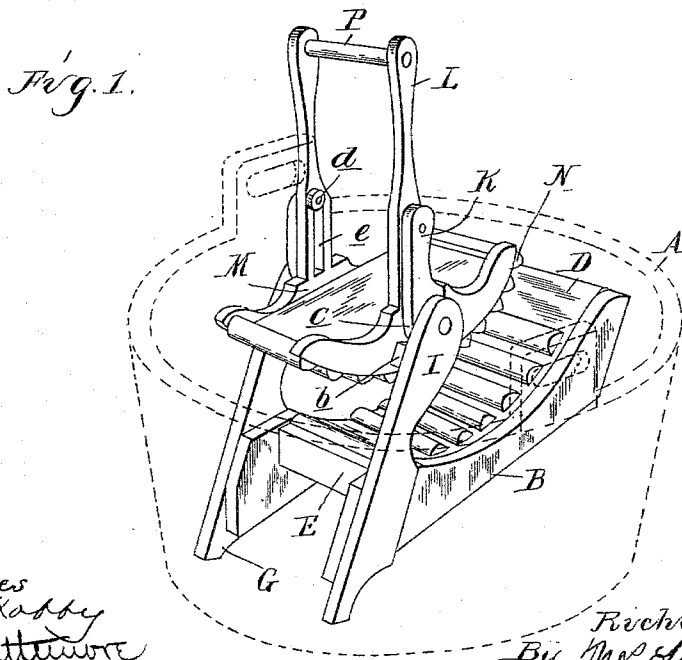
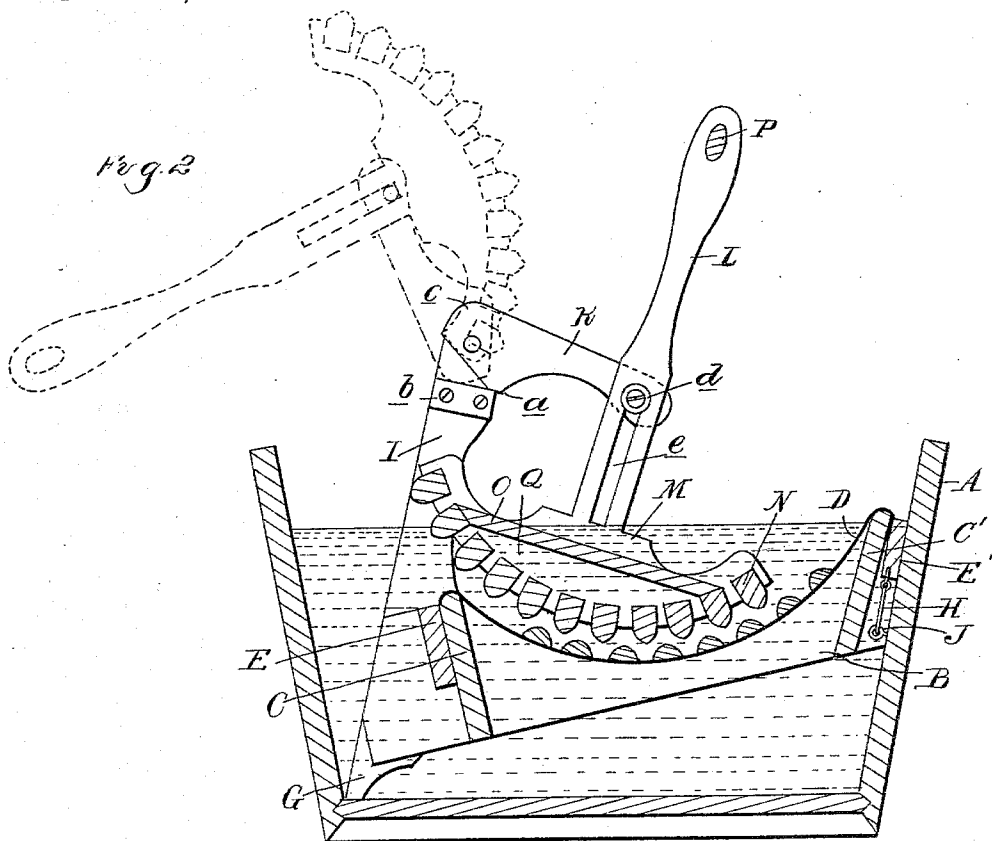


(No Model.)

R. A. YORK.  
WASHING MACHINE.

No. 545,262.

Patented Aug. 27, 1895.



Witnesses  
A. C. Kobby  
L. Whittemore

Inventor  
Richard A. York  
By Wm. S. Snaque & Son  
Attys.

# UNITED STATES PATENT OFFICE.

RICHARD A. YORK, OF AUBURN, INDIANA.

## WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 545,262, dated August 27, 1895.

Application filed January 21, 1895. Serial No. 535,717. (No model.)

### *To all whom it may concern:*

Be it known that I, RICHARD A. YORK, a citizen of the United States, residing at Auburn, in the county of De Kalb and State of Indiana, have invented certain new and useful Improvements in Washing-Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention consists in the peculiar construction, arrangement, and combination of the various parts, whereby a light and simple structure is obtained, easily adjusted and repaired, and which may be employed in the ordinary washtub without alteration, all as more fully hereinafter described.

In the drawings, Figure 1 is a perspective view of my improved device, showing in dotted lines a tub to which is applied a washing-rubber in its elevated or inoperative position. Fig. 2 is a vertical central section through the tub and washing-machine, showing the parts as in use.

A is the washtub in which my device is shown applied. The rubber frame comprises the sides B and the ends C C', these ends being arranged at an acute angle to each other, as shown, and forming an open rectangular frame.

D is a canvas or other strong cloth loosely hung between the upper edges of the ends C C', the ends of this cloth being secured to the outer faces of the end boards by means of the securing-strips E E', the strip E' being detachably secured in position, so that the length of the strip D may be adjusted as desired. Upon the upper surface of this canvas are secured the rubbing-strips, preferably substantially semicircular, as shown, and separated, the whole forming a segmental circular flexible rubbing-surface. This frame I secure in an inclined position in the tub, as shown, by forming the leg G at the lower end and beveling the upper edge so as to fit the inner face of the tub, and the frame may be secured in position against accidental displacement by the hooks H at the upper end engaging eyes J in the tub. The legs G are preferably formed by the lower end of the side bars I,

which extend substantially parallel with the inclined end board C'. On the upper ends of the side boards I, which slightly overhang the rubbing-surface, are pivoted the links K. These links may be turned into the horizontal position shown in full lines in Fig. 2, where they are held against further movement by the shoulder a, resting upon the stop-plate b, or they may be turned backward, as shown in dotted lines in that figure, when the eccentric face c will strike the stop. In the outer ends of these links are secured the head-pins or securing-bolts d, which engage through vertical slots e in the arms L of the rubber. The rubber consists of the sides M, having a segmental circular lower face, and between the sides and connecting the same are the rubber ribs N, preferably curved, as shown, and separated.

O is a horizontal top plate extending between the sides M over the ribs N, forming the chamber Q beneath.

P is a cross-bar or handle at the top of the arms L, by means of which the rubber may be rocked. The parts being thus constructed, the tub filled with water, as shown, the rubber may be turned out of the way, either by inverting it and turning back the links, as shown in dotted lines in Fig. 2, or simply turning back the links with the rubber in its normal position, as shown in Fig. 1. The clothes may thus readily be inserted upon the rubbing-surface or canvas, the rubber lowered to engage thereon and rocked back and forth.

The flexible rubbing-surface is a great advantage, as at no time are the clothes between two rigid faces. It expedites the work, prevents damage to the clothes, and more thoroughly effects the rubbing of all parts. By having the chamber Q between the plate O and the upper face of the rubber surface I obtain a circulation of the water vertically by the rushing of the water in or out of that chamber through the spaces between the ribs, which is especially desirable.

What I claim as my invention is—

In a washing machine, the combination with an independent removable frame, of the ver-

tically disposed overhanging side bars I having the stop plates *b*, links pivoted to the side bars having the oppositely arranged bearing portions *a* and *c* arranged to engage the stop  
5 plates, and retain the links in different positions, and the rubber member carried by the links, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

RICHARD A. YORK.

Witnesses:

D. D. MOODY,

JACOB M. HOOK.