

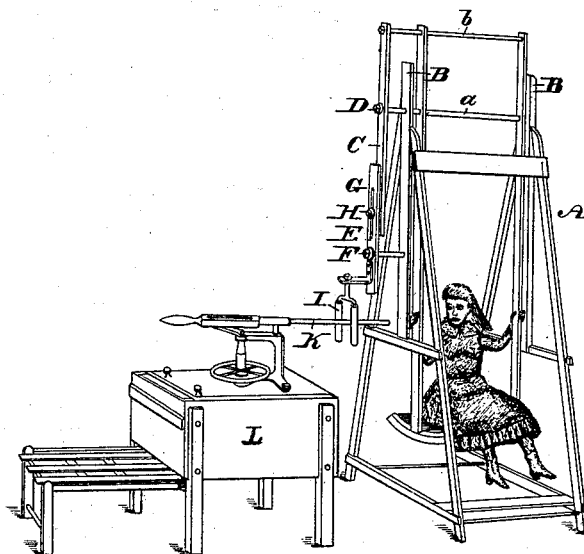
(No Model.)

J. RESTEIN.

DEVICE FOR OPERATING CHURNS, WASHING MACHINES, &c.

No. 383,010.

Patented May 15, 1888.



WITNESSES:

Th. Rolfe
Jas. H. Kelly

INVENTOR:

Julius Restein
BY *Dieterich & Partner*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JULIUS RESTEIN, OF PHILADELPHIA, PENNSYLVANIA.

DEVICE FOR OPERATING CHURNS, WASHING-MACHINES, &c.

SPECIFICATION forming part of Letters Patent No. 383,010, dated May 15, 1888.

Application filed May 19, 1887. Serial No. 233,713. (No model.)

To all whom it may concern:

Be it known that I, JULIUS RESTEIN, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Devices for Operating Churns, Washing-Machines, &c., which improvement is fully set forth in the following specification and accompanying drawing.

The figure of the drawing is a perspective view of my device.

My invention relates to mechanical motors or appliances for propelling churns, washing-machines, and kindred devices.

It consists in the combination and arrangement of parts, as hereinafter set forth, whereby the oscillating motion of a pair of upright standards is converted into the rotary motion of a dasher.

Referring to the drawing, A is a portable swing of any desired construction, having upright standards B B, to which the swing proper is pivoted by a cross-rod, *a*. At the upper end of the swing-supports is a cross-rod, *b*, extending laterally, as shown, and carrying at its end a vertical lever, C, pivoted to an extension of the rod *a*. The lower end of the lever C carries a pin, H, which is adapted to play in a slot, G, of a second lever, E, pivoted at F to the upright B. At the lower end of this lever is an elbow carrying a stirrup with rollers I, adapted to strike alternately against the propelling-lever K of a churn, washing-machine, or other device.

L is a washing-machine of my invention, but constituting no part of this application, being merely shown here to illustrate the application of my improved mechanical motor.

The operation is as follows: As the child or person swings back or forth, the lever C is caused to swing about its pivot-point D and impart motion to the second lever, E, pivoted at F, and this lever in turn, through the agency of the forked stirrup and rollers I, imparts motion to the dasher of the churn or machine to be driven, as will be understood upon inspection of the drawing.

The intermediate mechanism between the standards and the dasher, as herein described, may be actuated by any other devices which will cause the said standards to oscillate.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. An improved mechanical motor, consisting of the swing A, having pivotal bar *a* and cross-rod *b*, the lever C, pivoted to said bar *a* and connected to said rod *b*, and having at its lower end the pin H, and the lever E, pivoted to the standard of the swing and having the slot G in its upper portion and an elbow with stirrups carrying the roller I, said parts being combined substantially as and for the purpose set forth.

2. The standards B, having pivotal bar *a*, mechanism, substantially as described, adapted to rock on said cross-bar and carrying the cross-rod *b*, and a lever on said pivotal bar having means to actuate a second lever, the latter pivoted to the said standards and having an elbow carrying rollers, said parts being combined substantially as described.

JULIUS RESTEIN.

Witnesses:

A. P. JENNINGS,
C. J. KINTNER.