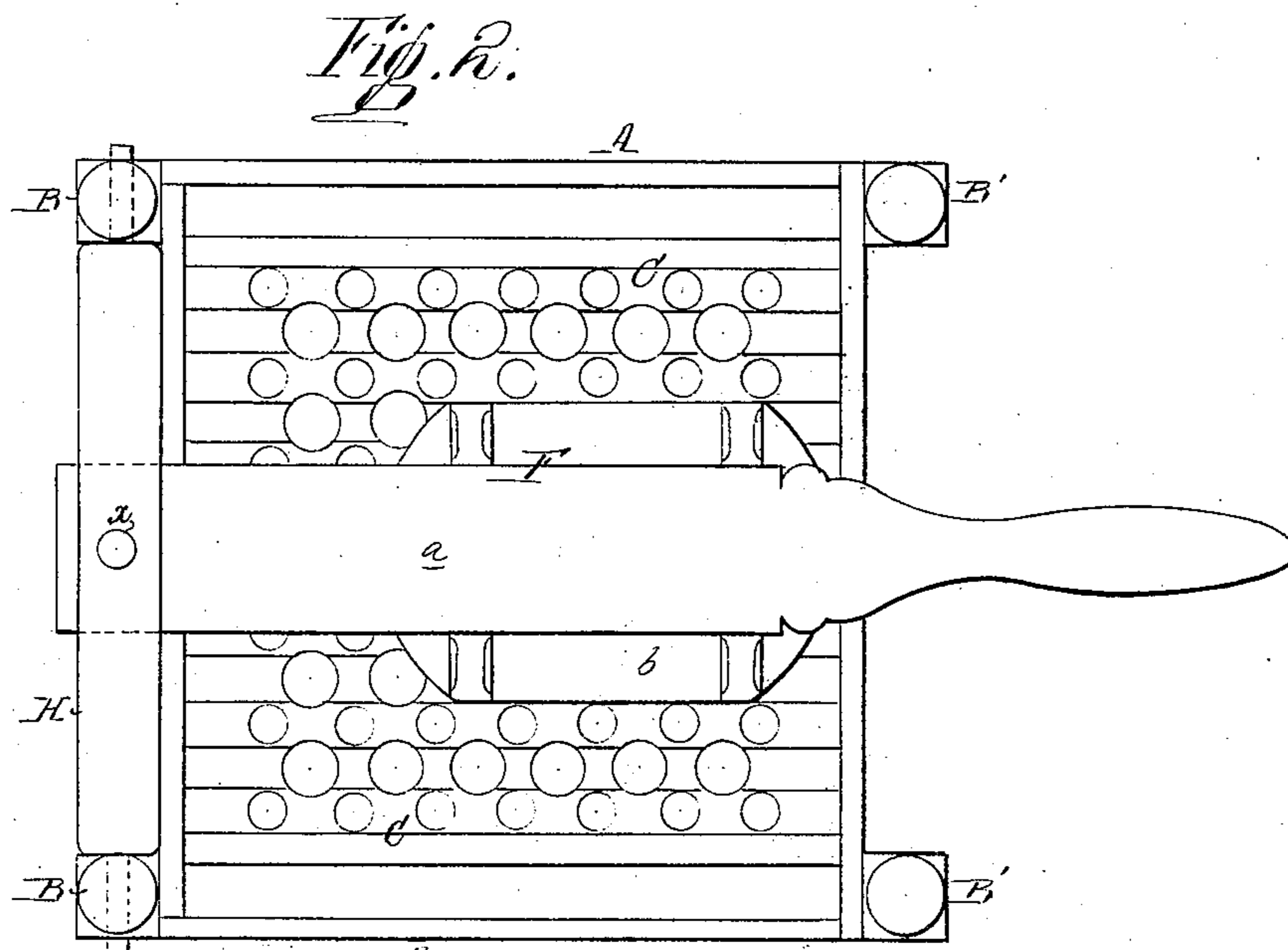
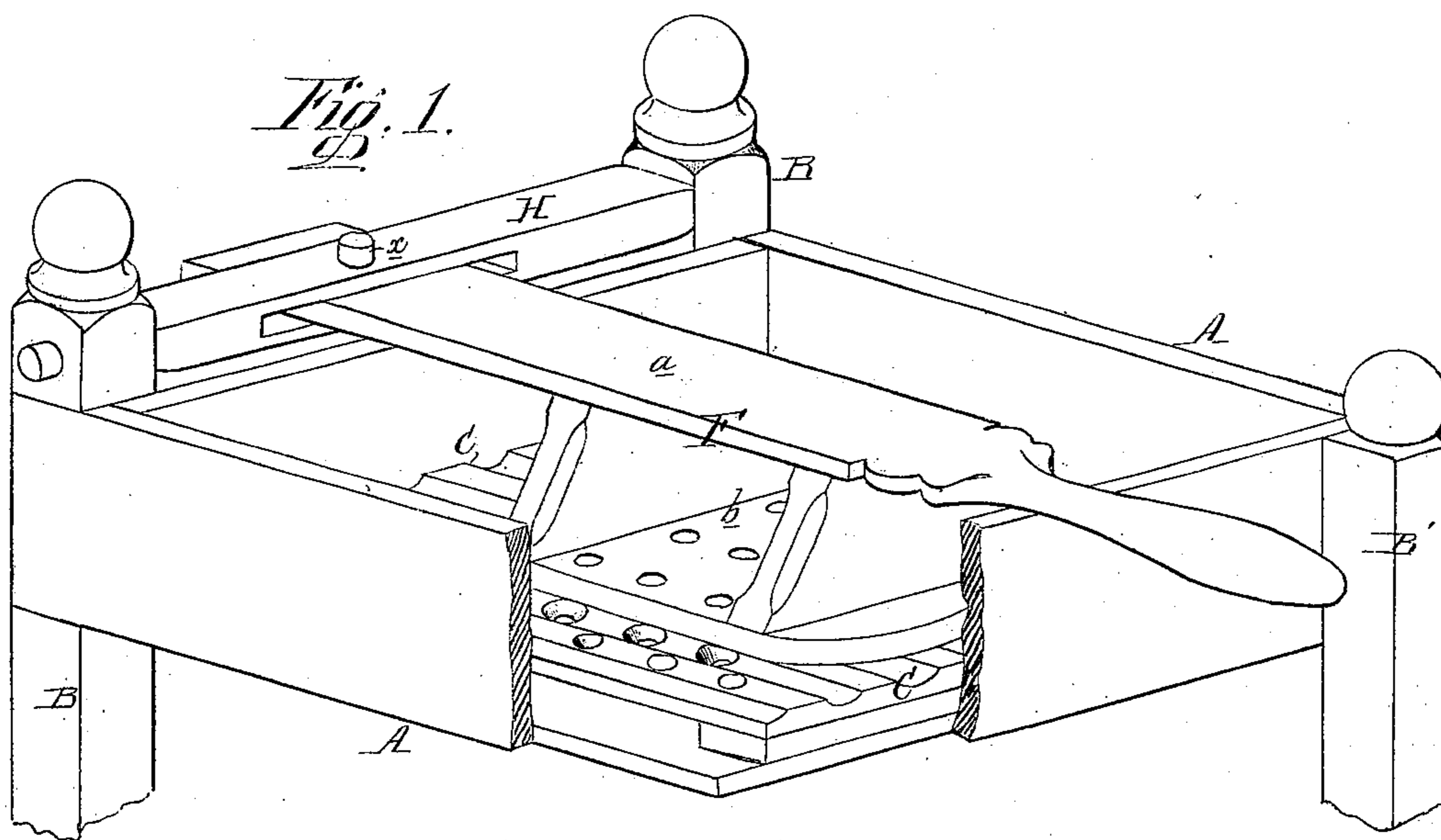


B. F. Fellman,
Washing Machine.
No. 102672. Patented May 3, 1870.



WITNESSES } *Wm. A. Steel*
 } *Chas. McPherson*

Benjamin F. Fellman
by his atty
Howson and Son

UNITED STATES PATENT OFFICE.

BENJAMIN F. FELLMAN, OF SELLERSVILLE, PENNSYLVANIA.

IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. **102,672**, dated May 3, 1870.

I, BENJAMIN F. FELLMAN, of Sellersville, county of Bucks, State of Pennsylvania, have invented an Improved Washing-Machine, of which the following is a specification:

Nature and Object of the Invention.

My invention consists of a washing-machine in which a movable rubber is pivoted to a rock-spindle, as hereafter described, so that while a horizontal reciprocating motion in the arc of a circle can be imparted to the rubber, it is also capable of yielding vertically, in order to accommodate itself to the inequalities of the mass of clothes upon the rubbing-bed of the machine, and so that it can also be raised out of the way when the said clothes are to be removed.

Description of the Accompanying Drawing.

Figure 1 is a perspective view of my improved washing-machine, and Fig. 2 a plan view of the same.

General Description.

The stationary portion of the machine consists of a box or vessel, A, supported at the corners by posts or legs B B and B' B', and having arranged within it a ribbed and perforated or other suitable rubbing-bed, C. The movable rubber F consists of an arm, *a*, and of a frame, *b*, secured to the same, the latter being adapted to the interior of the box A, and being ribbed and perforated or otherwise roughened on its under side, to correspond to the surface of the rubbing-bed C. The arm *a* is pivoted at *x* to a rock-spindle, H, which is hung to and arranged to turn freely in the upper ends of the posts B B, so that the said arm,

and consequently the whole movable rubber, can be vibrated horizontally, and in the arc of a circle, upon the pin *x*, or can be raised vertically from the rubbing-bed by turning the spindle upon its axis.

In using this machine, the clothes or other articles to be washed are placed upon the bed C, and a sufficient quantity of soap-suds to cover the said bed is poured into the box A. The rubber F is then depressed, and, while held down upon the mass of clothes, is rapidly reciprocated, the pressure being relieved and the position of the mass changed from time to time, so that all portions of the same may be rubbed and cleansed.

The rubber, while being thus reciprocated and forced downward, can yield vertically, so as to accommodate itself to the inequalities of the mass of clothes, and thus reach all portions of the same; and when the washing is completed the said rubber can be raised clear of the box, so as to enable the clothes to be removed.

Claim.

The tank A, with its perforated rubbing-bed C and slotted rock-shaft H, in combination with the perforated rubber *b*, secured in a fixed position to an arm, *a*, hung to the rock-shaft H, all substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

BENJAMIN F. FELLMAN.

Witnesses:

ABRAHAM S. CRESSMAN,
SAMUEL M. BISHOP.