

No. 730,694.

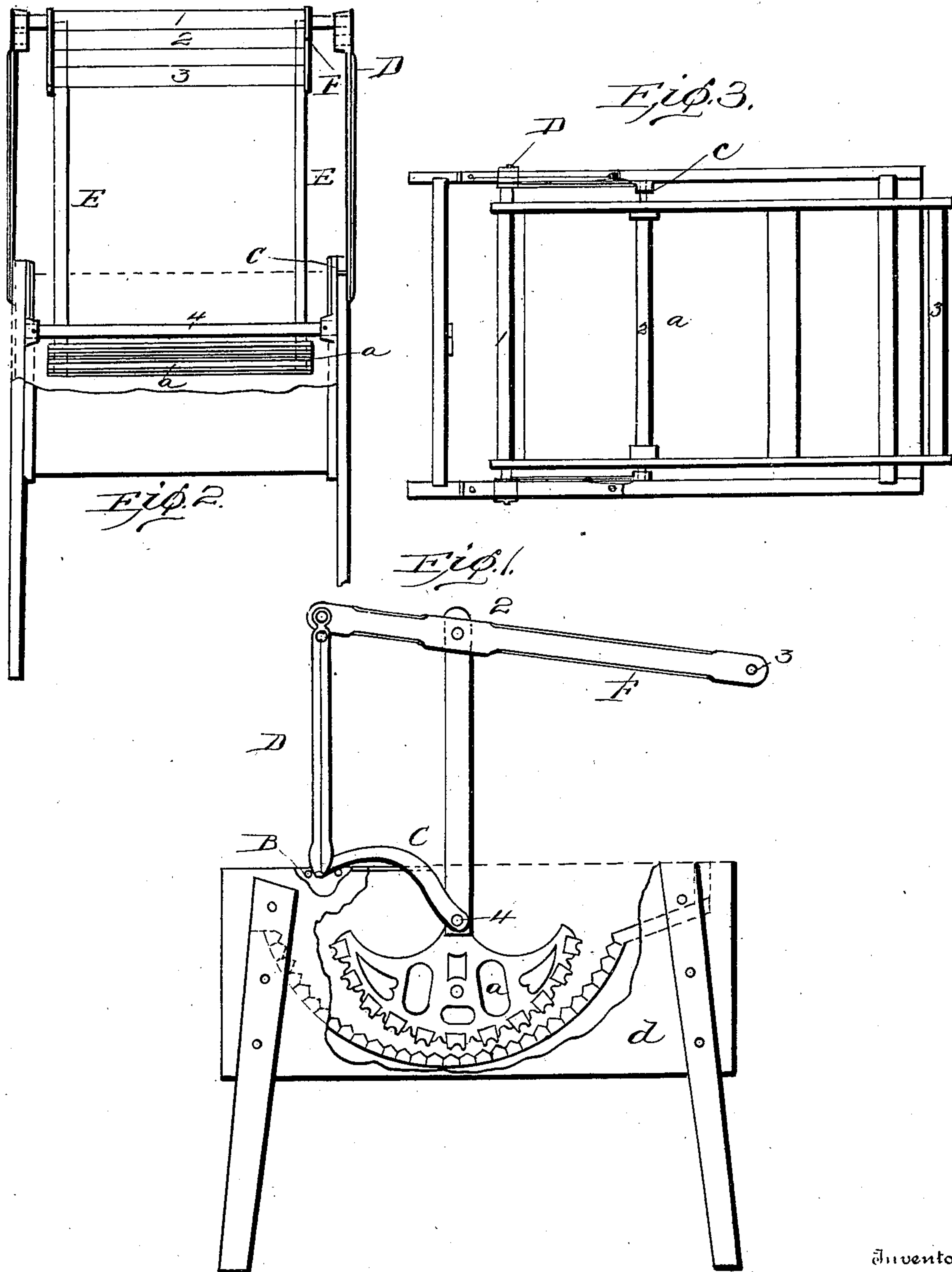
PATENTED JUNE 9, 1903.

O. E. PETERSON.
WASHING MACHINE.

APPLICATION FILED APR. 18, 1900.

NO MODEL.

2 SHEETS—SHEET 1.



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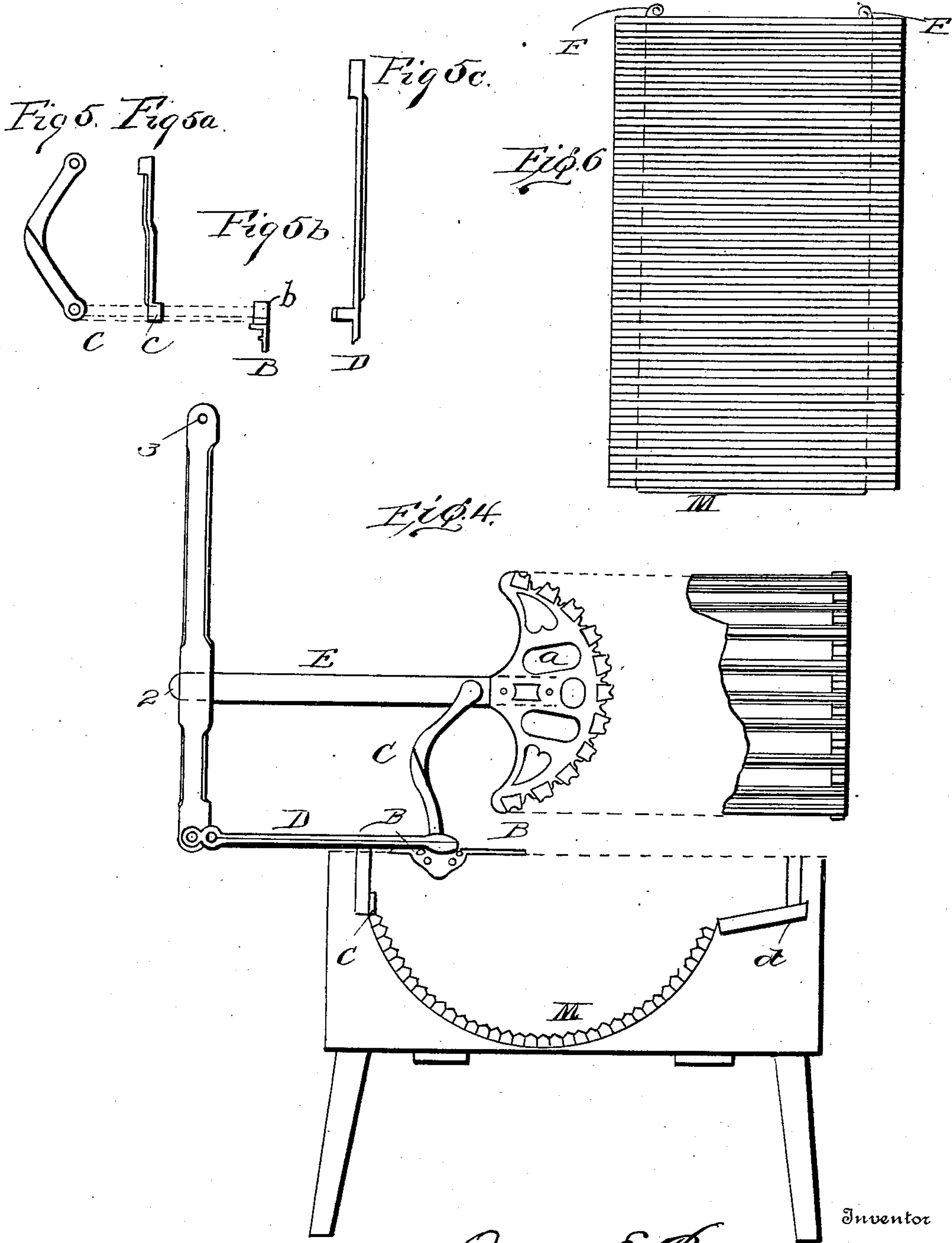
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UNITED STATES PATENT OFFICE.

OSCAR E. PETERSON, OF SOUTH GLENS FALLS, NEW YORK.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 730,694, dated June 9, 1903.

Application filed April 18, 1900. Serial No. 13,381. (No model.)

To all whom it may concern:

Be it known that I, OSCAR E. PETERSON, a citizen of the United States, residing at South Glens Falls, Saratoga county, New York, have
 5 invented certain new and useful Improvements in Washing-Machines, of which the following is a specification.

My invention relates to washing-machines, and comprises a rubber mounted to oscillate
 10 within a concave tub and to rub the clothes against a concave rubbing-board.

The present invention has for its object, among others, to provide a simple, cheap, and easily-operated machine of this character by
 15 the use of which the clothes will not be injured and the construction being such that the rubber may be turned up and supported out of the way, so as to provide easy access to the clothes in the tub when desired.

20 Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be particularly pointed out in the appended claim.

The invention is clearly illustrated in the
 25 accompanying drawings, which, with the reference characters marked thereon, form a part of this specification, and in which—

Figure 1 is a side elevation of my improved washing-machine, one of the sides of the tub
 30 or casing being broken away to illustrate the construction of the rubber-board and the rubber. Fig. 2 is an end elevation showing the end of the tub broken away. Fig. 3 is a top plan. Fig. 4 is a side elevation with the side
 35 of the tub removed and the rocker shown in its inoperative position. Figs. 5, 5^a, 5^b, and 5^c show details of the operating mechanism. Fig. 6 is a detail of the rubbing-board.

Like characters of reference indicate like
 40 parts throughout the several views.

Referring now to the details of the drawings, *a* designates the rubber, the acting face of which is provided with a plurality of slats concaved on their acting faces and having
 45 double edges, as shown. The ends of the rubber are made of galvanized iron with large openings, as seen in Fig. 1, to make them as light in weight as possible. The convex edge has a flange projecting inside, forming
 50 a rest and support for the slats. There are thin projections from this flange extending

downward symmetrically, forming dovetail grooves or openings, into which the slats are firmly fitted, as shown.

E represents uprights fitted in sockets in
 55 the ends of the rubber, as shown, and held by screws, as seen in Fig. 1.

C represents short arms of elbow shape and having one end connected, as at 4, with the
 60 rocker-arms E and their other ends having tubular portions *c*, fitted in sockets *b* in the hinge-plates B, which are secured to opposite top edges of the tub.

D represents arms provided with lugs *d* and which connect with the hinge-plates B upon
 65 the outside thereof, the lugs passing through said sockets *b* and tubular portions *c*, and these are locked together with a key-fastening passing through the lug *d*, as shown in
 70 Fig. 5.

The plates B are made fast by screws to the tub, which screws pass from the outside of the plate, while a third screw passes down from the extension resting upon the top edge of the tub. The back end of the extension
 75 is thin and is bent over the inside, so as to form a clip, thus making a secure fastening.

The arms D are pivotally connected, as at 1, to the operating-arms F, which are pivotally mounted between their ends on the up-
 80 per ends of the rocker-arms E, and the other ends are connected by a cross-rod 3, serving as a handle. The arms D are provided at their upper ends with two holes, as seen in Fig. 1, so as to provide for adjustment of the
 85 connection of the arms F therewith, so as to regulate the height of the piece 3.

The bent lever C rests upon the plate B, as shown.

The rubbing-board *m* is removably insert-
 90 ed within the tub and is held in position by a cam *c*. (See Fig. 4.) At the opposite end is a shelf *b*, as seen in both Figs. 1 and 4. The bars *m'*, of which the rubbing-board is composed, are connected together by means
 95 of a wire passing through their ends and provided with coils F at its ends. The coils rest against the end bar. This forms a yielding connection of said bars and prevents breaking of the wire by the strain upon it caused by
 100 swelling of the wood of which the body portion of the board is constructed.

What I claim as new is—

A washing-machine comprising a tub having a rubbing-surface removably held therein, a rubber, uprights connected therewith,
5 plates on the opposite upper edges of the tub, bent arms pivotally connected with said plates and with the uprights, arms D pivotally connected with said plates and attached to the bent arms and having at their upper ends a
10 plurality of openings, and operating-arms piv-

otally connected between their ends with said uprights and having their other ends adjustably connected with the arms D by means of said openings, all substantially as shown and described.

OSCAR E. PETERSON.

Witnesses:

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