

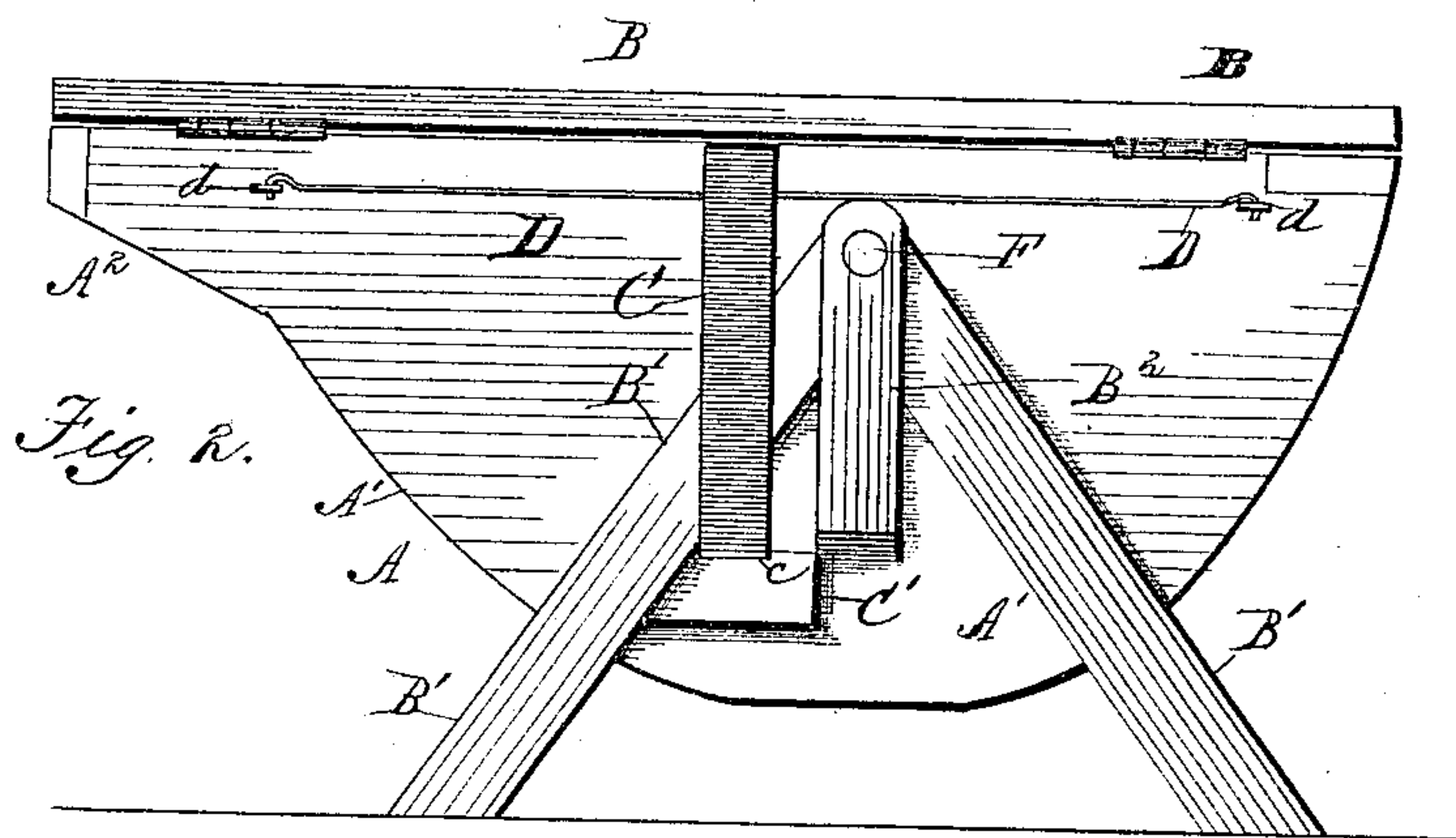
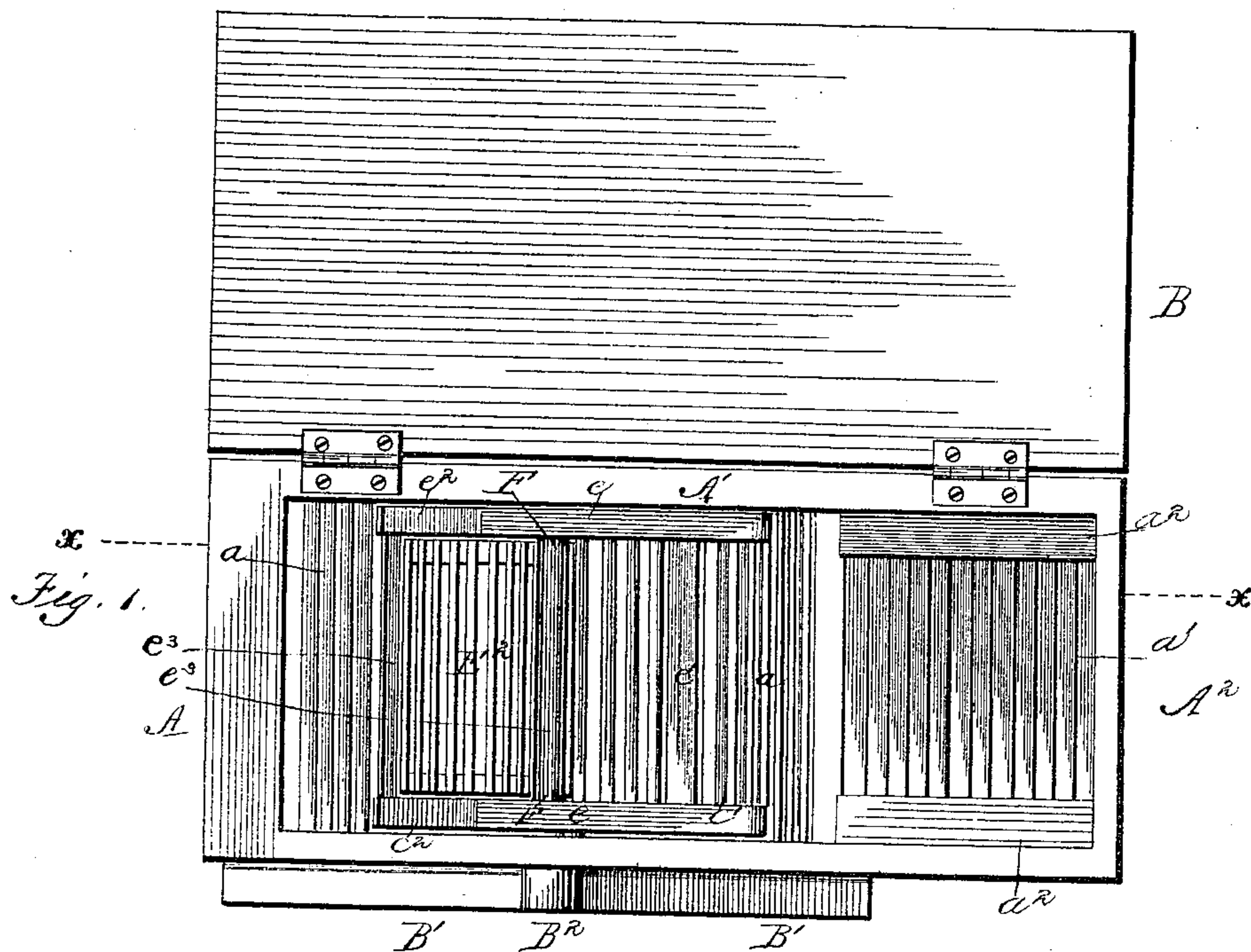
(No Model.)

2 Sheets—Sheet 1.

M. N. ENSLEY.
WASHING MACHINE.

No. 328,663.

Patented Oct. 20, 1885.



Attest:
H. D. Barnard

H. J. Beside By his Attorneys

Inventor:
Marsh N. Ensley

Edson B. W.

2 Sheets—Sheet 2.

WASHING MACHINE.

Patented Oct. 20, 1885.



Inventor:

Marsh H. Ensley

By his Attorneys

Edvard Brøvig

UNITED STATES PATENT OFFICE.

MARSHALL N. ENSLEY, OF DRAIN, OREGON.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 323,663, dated October 20, 1885.

Application filed September 3, 1884. Serial No. 142,138. (No model.)

To all whom it may concern:

Be it known that I, MARSH. N. ENSLEY, a citizen of the United States, residing at Drain, in the county of Douglass and State of Oregon, 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.

My invention relates to improvements in washing-machines of that class known as "roller and bed," having for its object the provision of a machine wherein the fabrics may be quickly and thoroughly rubbed and cleansed by means which shall be simple and durable in construction and effective in operation.

It has further for its object the provision of improved means for supporting the hinged cover, thereby providing a table whereon the fabrics may be temporarily placed.

To these ends my invention consists in the construction, combination, and arrangement of parts, substantially as hereinafter more fully set forth, and pointed out in the claim.

In the drawings, Figure 1 is a top or plan view of a washing-machine embodying my improvements. Fig. 2 is a side elevation. Fig. 3 is a longitudinal central section on line *xx* of Fig. 1, with the handle, however, changed to a vertical position instead of leaning to one side. Fig. 4 is an end view, and Figs. 5 and 6 are detail views.

Referring to the drawings, in which like letters of reference indicate like parts, A designates the receptacle, having a curved body portion, A', provided with rubber-bars *a*, arranged as shown in Fig. 3, and A² an extension of the machine-body arranged at an angle to the curved body A' and having a corrugated or serrated surface formed of parallel bars or strips *a'*, secured in position by cleats *a''*, and having sharpened or rounded edges.

The body of the machine has a hinged cover, B, and is supported upon four legs, B', two upon each side of the machine.

The upper ends of each pair of legs abut against and are secured to a key-block, B², rigidly attached to the side of the machine, the upper end thereof being below the edge of the receptacle A equal to the thickness of the cover B, so that when the latter is opened the

inner edge thereof will rest upon the said block, and thereby greatly relieve the hinges from strain.

The cover is supported at its outer edge by a bar, C, which extends inwardly from said edge, its inner end resting in a socket, *c*, formed in a supporting-block, C', which is secured to the receptacle near the lower edge thereof between one of the legs B' and the key-block B², and serves to limit the lateral movement of the said bar and prevent its displacement.

The upper end of the supporting-bar C is held in position by straining-rods D D, their inner ends having hooks which take into hooks or staples *d*, secured to the receptacle-body, as shown. It will be seen that by this construction the rods D D and bar C can be readily and easily detached from the machine and stored away when desired, and that a strong cover-support is provided.

E designates the rubber, consisting of a frame, E', and a roller, E². The frame E' is composed of two upright parallel bars, *e*, connected at their upper ends by one or more cross-bars, *e'*, forming the handle by which the rubber is operated, their lower ends being secured to the roller-supporting frame, having side boards, *e''*, of semicircular form, connected by cross-bars *e'''*. The uprights *e* of the frame are provided with slots *e''''*, through which and the receptacle-body passes a shaft, F, journaled in the key-blocks B², as shown. The shaft *f* of the roller E² is journaled in the end pieces, *e''*, of the frame, and said roller is composed of head-boards *f'*, to which are secured the rubbing-bars *f''*, as shown in Fig. 3.

The operation of my machine will be readily understood from the foregoing description.

Modifications in the form and proportion of parts can be made without departing from the principle or sacrificing the advantages of my invention, the essential features of which will be readily understood from the foregoing description, taken in connection with the claim.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

In a washing-machine, the combination of a

receptacle having supporting-legs and key-
blocks with a rubber having roller-support-
ing frame and a roller journaled therein, a
5 shaft passing through the slotted parallel bars,
thence through the sides of the receptacle,
and journaled in key-blocks secured to the
outside of the receptacle, substantially as de-
scribed.

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

MARSHALL N. ENSLEY.

Witnesses.

LOUISA ENSLEY,
W. A. MULVANY.