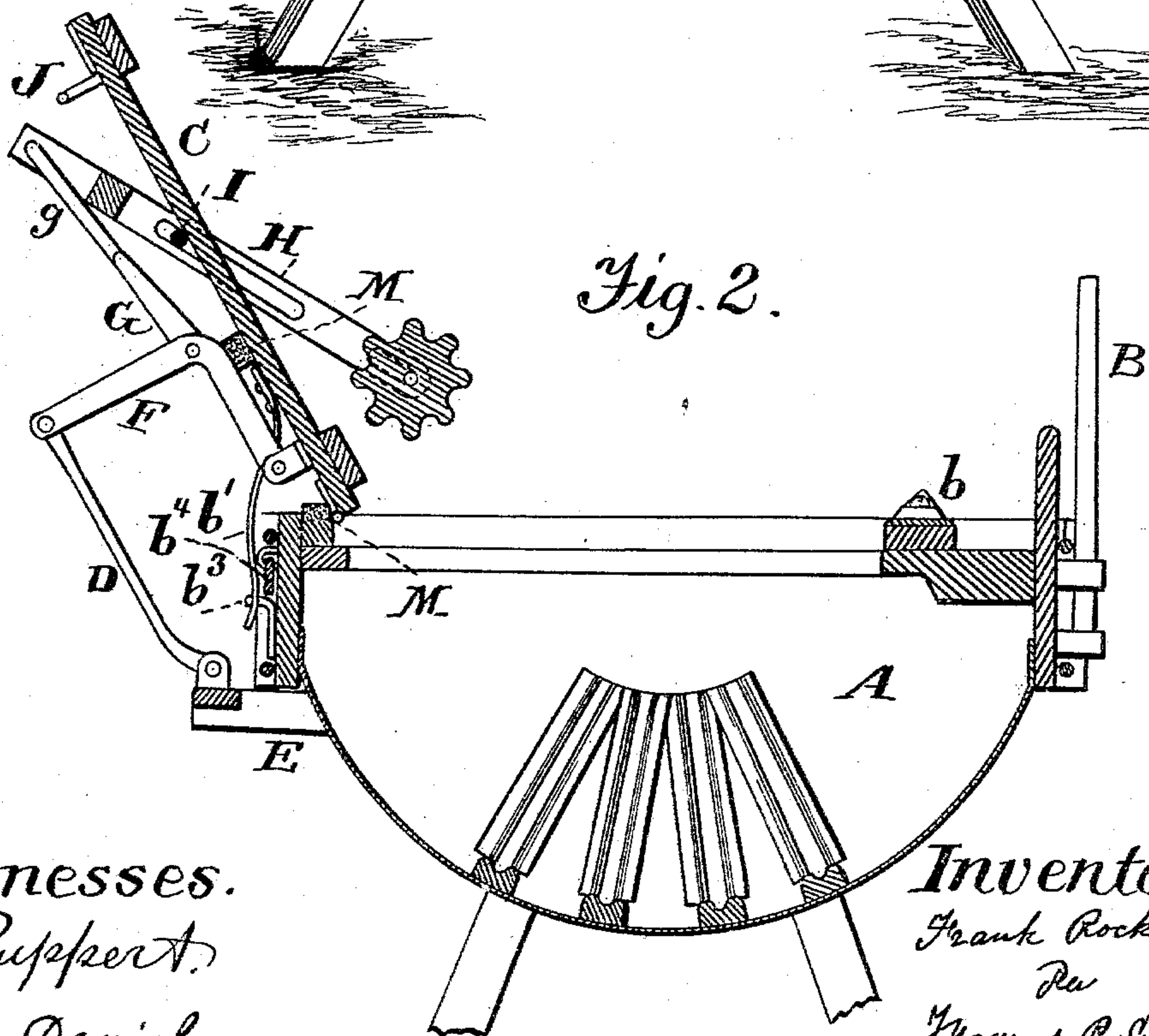
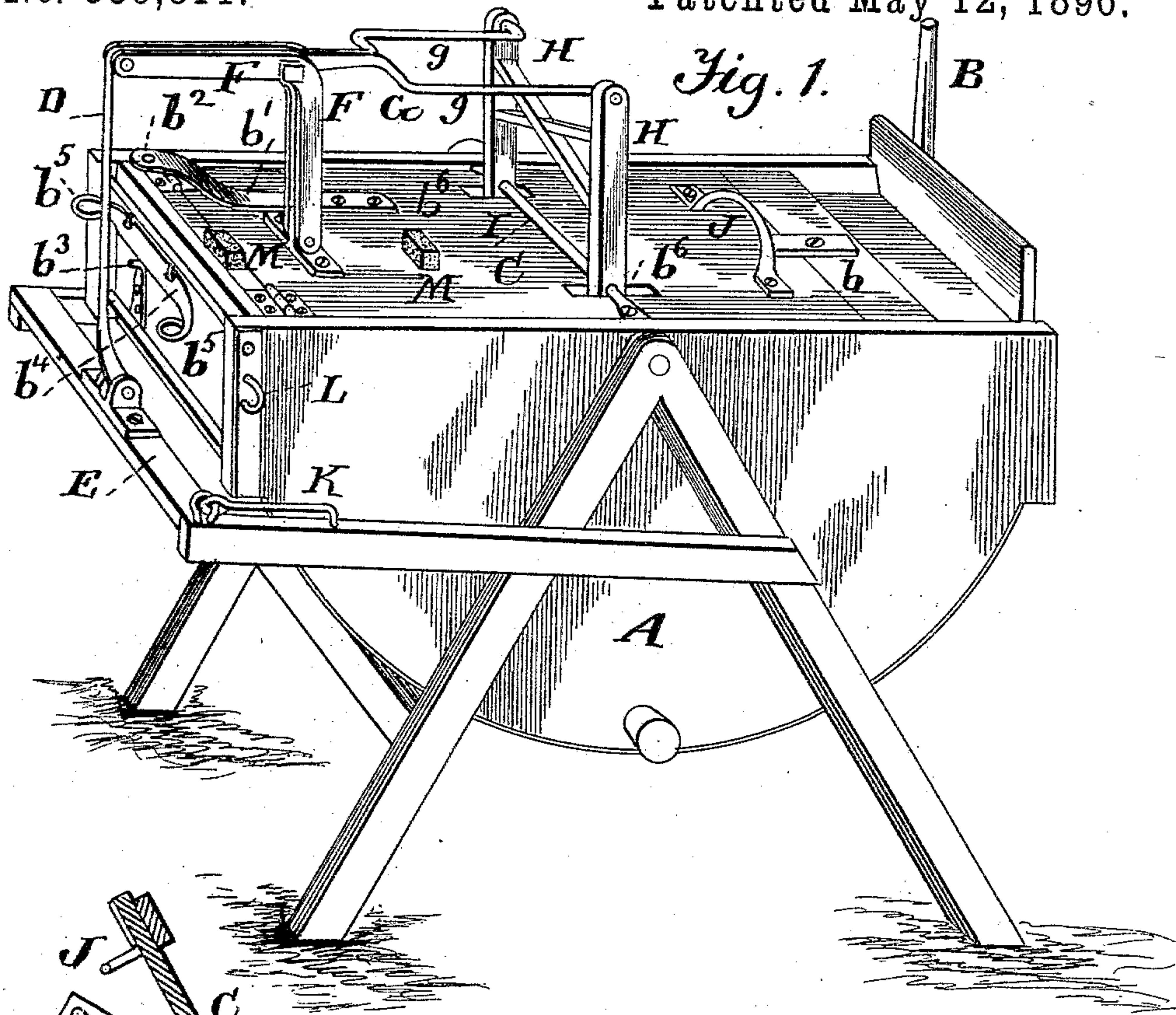


(No Model.)

F. ROCK, Jr.
WASHING MACHINE.

No. 559,811.

Patented May 12, 1896.



Witnesses.
A. Ruppert.
H. A. Daniels

Inventor.
Frank Rock Jr.
Per
Thomas P. Simpson
Atty

UNITED STATES PATENT OFFICE.

FRANK ROCK, JR., OF SCHOOL HILL, WISCONSIN.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 559,811, dated May 12, 1896.

Application filed February 11, 1896. Serial No. 578,946. (No model.)

To all whom it may concern:

Be it known that I, FRANK ROCK, Jr., a citizen of the United States, residing at School Hill, in the county of Manitowoc and State of Wisconsin, have invented certain new and useful Improvements in Washing-Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The invention relates to rocker washing-machines; and it consists in the particular means employed to operate the rubber and to hold up the cover while clothes are being put in or taken out of the washer or suds-box.

Figure 1 of the drawings is a perspective view of the washing-machine, and Fig. 2 a vertical longitudinal section.

In the drawings, A represents the suds-box, fulcrumed in the middle near the top, so as to be conveniently oscillated by a handle B. It is made with an arc-shaped and cross-ribbed bottom on which the clothes are laid, and also ribbed vertically up the sides, while a longitudinally-ribbed roller is moved back and forth over the box-ribs with the garments between them, the box itself being vibrated in the well-known manner. The rubbing of clothes with a fluted rubber over a ribbed concave is also old and no part of my invention.

C is the cover, hinged at one end and held down at the other by a latch b , while b' is a flat spring having near its free end a hole b^2 . As the cover is thrown back the free end of the spring slides over a fixed stud b^3 until the latter enters the hole b^2 , and thus holds it back.

In order to release the spring and allow the cover to be closed down, the flat cross-bar b^4 is hinged on its upper side and provided with the thumb-pieces or eyes b^5 , so that it may be turned to disengage the spring from the stud.

D is a rod pivoted at one end to the frame-bar E and at the other to one end of the elbow-lever F, which is itself pivoted at the other end to the cover. At the vertex of lever F is pivoted one end of a bifurcated rod G, whose bifurcations or arms g are jointed to the top of the lever-frame H, the latter being fulcrumed on a transverse bearing-rod I, fast on the cover, and across the middle of the longitudinal slots b^6 in the cover J is a handle by which the cover may be raised and lowered, while K L is a hook-and-eye connection between the rocker and frame by which the suds-box may be held still while clothes are being put in or taken out.

M are rubber bumpers against which the elbow-lever strikes.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new, and desire to protect by Letters Patent, is—

The combination with a rocker suds-box, having a cross-ribbed concave on the inside, its supporting-frame, a slotted and hinged cover and a lever-frame carrying the rubber, of a bifurcated rod, elbow-lever and the pivoted rod D all arranged to operate together in the manner described.

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

FRANK ROCK, JR.

Witnesses:

FRED RUMPF, H. F. KNORR.