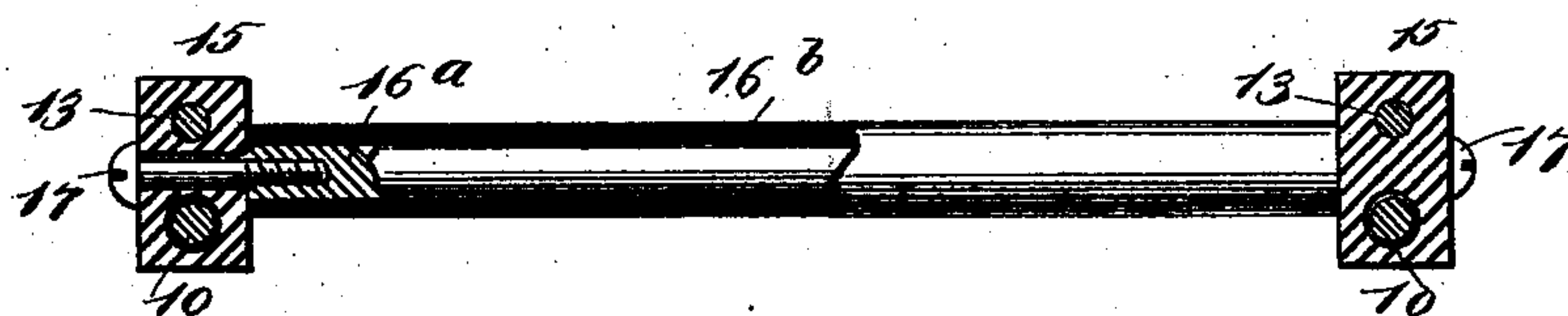
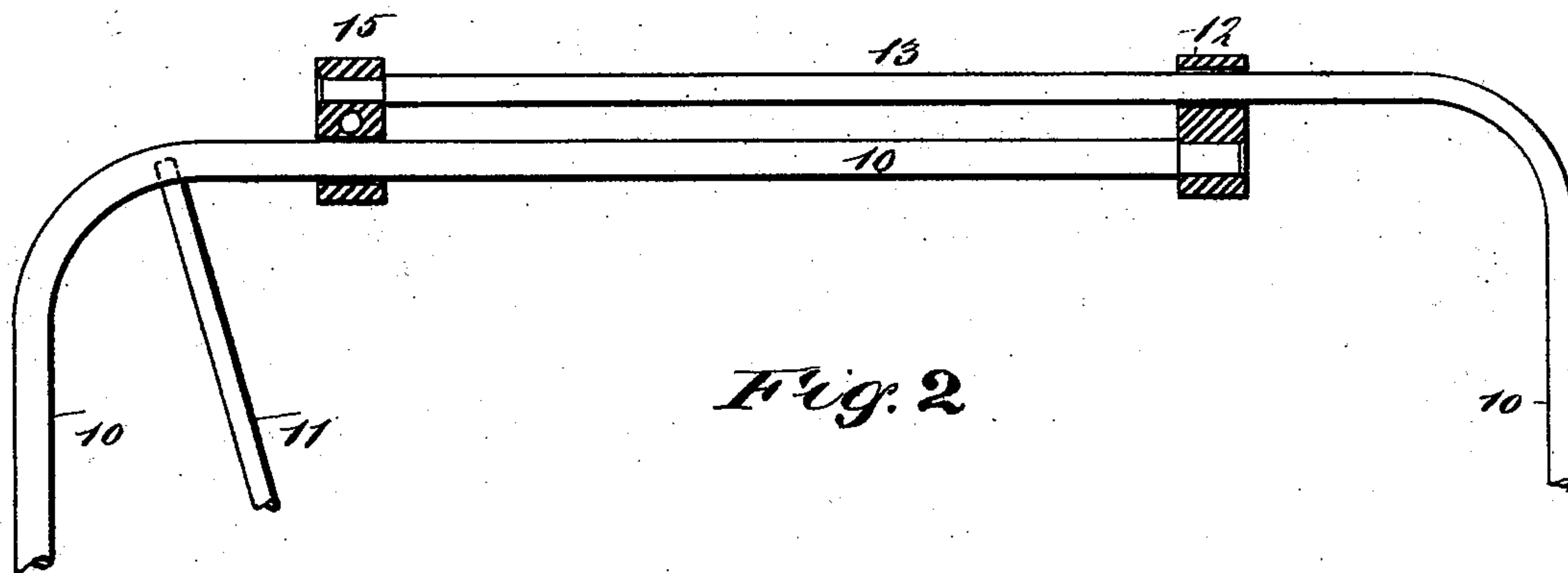
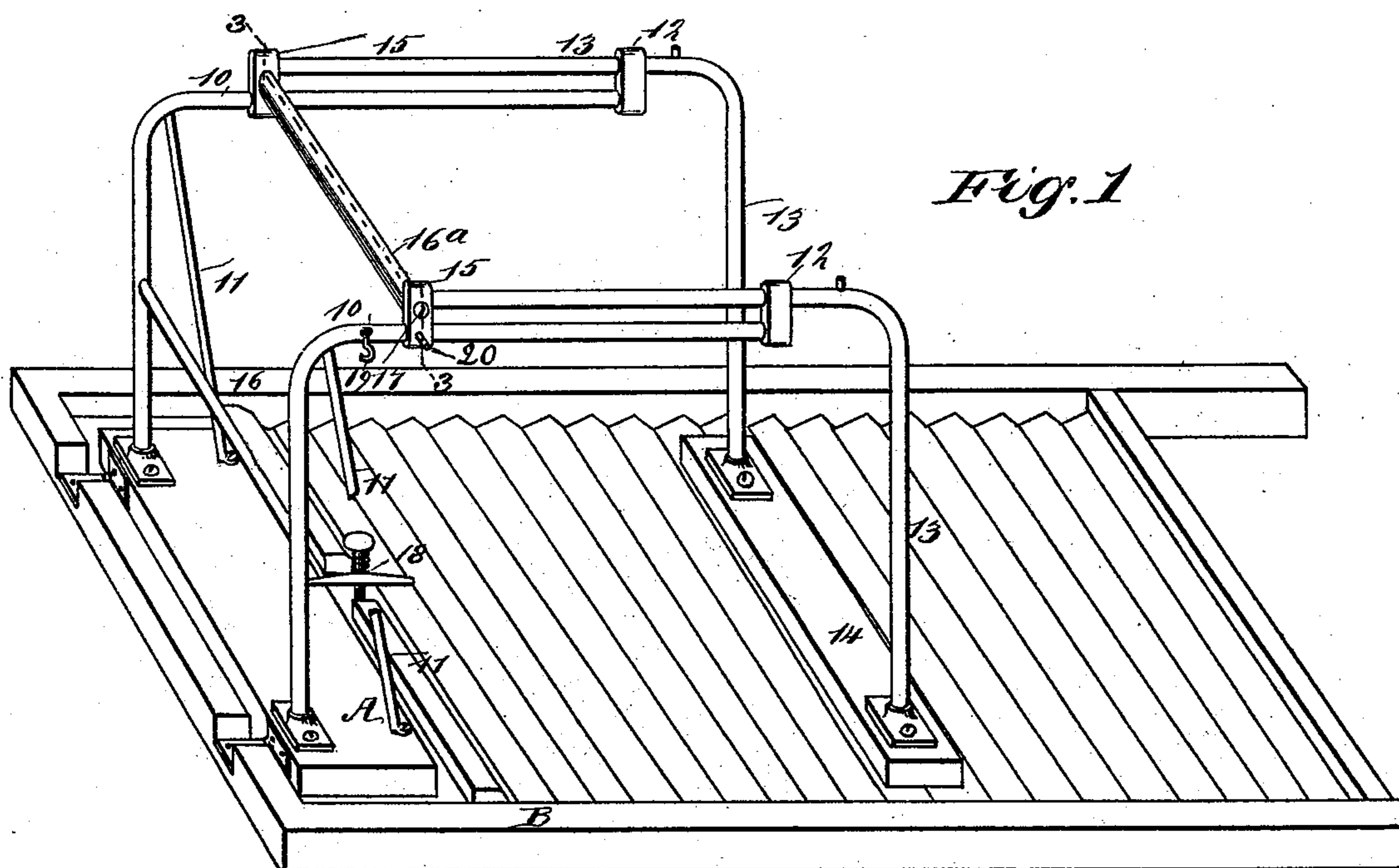


(No Model.)

L. KELLY.
WASHING MACHINE.

No. 517,699.

Patented Apr. 3, 1894.



WITNESSES:

WITNESSES:
J. A. Beigston
C. Hedgerick

Fig. 3

INVENTOR

L. Kelly
BY *Munn & Co.*
ATTORNEYS.

THE NATIONAL LITHOGRAPHING COMPANY,
WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

LOUISE KELLY, OF ROSEBANK, NEW YORK.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 517,699, dated April 3, 1894.

Application filed August 9, 1893. Serial No. 482,722. (No model.)

To all whom it may concern:

Be it known that I, LOUISE KELLY, of Rosebank, in the county of Richmond and State of New York, have invented a new and Improved Rubber Attachment for Washboards, of which the following is a full, clear, and exact description.

My invention is an improvement in the class of washboard attachments consisting of a sliding rubbing-board which is arranged to work on rods held parallel to the rubbing surface of the wash-board.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the rubber applied to a wash board. Fig. 2 is a detail sectional view of the upper portion of the frame of the rubbing device; and Fig. 3 is a section taken through the frame, practically on the line 3—3 of Fig. 1.

In carrying out the invention a base board A, is hinged to the upper portion of the wash board B, the latter being of any approved construction; and upon the base board at each end an angle arm 10, is firmly secured, each of the arms extending outward at an angle from the base and then longitudinally of the wash board a predetermined distance above its rubbing surface.

The angle arms 10, together with the base, constitute practically the fixed frame of the machine, but preferably the arms at the junction of their two members are braced by rods 11, connected with the base board, as shown in Fig. 1. At the outer end of the longer or upper member of each angle arm 10 a block 12, is secured, and the said blocks are apertured to form slide-ways for another set of angle arms 13, one member of the second set of angle arms being parallel with and above the longer members of the arms of the frame, and the shorter vertical members of the second set of angle arms are securely fastened to the rubbing board or block 14, which is adapted to extend transversely across the

wash board at its rubbing surface, and the rubbing block or board rests upon the roughened surface of the wash board. Guide blocks 15 are fixed on the ends of the horizontal or upper members of the sliding arms 13, and are perforated to adapt them to slide on the upper or horizontal members of the fixed arms 10. A cross-bar 16^a connects the guides 15 and serves as a handle for reciprocating the arms 13 and their attached rubber 14.

The set of upper arms 13 may be termed a sliding frame, since the sliding blocks 15, connected with those arms are united by a handle bar 16^a, which bar is shown in detail in Fig. 3, and is covered by a rubber jacket 16^b, or a jacket or any other material agreeable to the hand, the bar being secured to the blocks through the medium of screws 17 or their equivalents. The under surface of the rubbing board or block is preferably smooth, although it may be roughened, and likewise it may be covered if found desirable with rubber or an equivalent material.

In operation, the clothes to be washed are placed upon the board, after the two frames, or the entire machine, have been lifted up and thrown back at the hinged connection with the board. The machine at its rubbing end is then lowered until the rubber is brought in contact with the clothes, and by grasping the handle bar 16^a and reciprocating the sliding frame and consequently the rubber, the clothes will be rubbed over the rubbing surface of the board, and will be cleaned as thoroughly as though rubbed by hand and without injury to the clothes.

A fastening device 18 in the nature of a button or clamp-screw is applied to the head of the wash-board in such position as to adapt it to hold the base-board in position for operation of the rubbing attachment.

The device is exceedingly simple, it is durable and it is economic, and it is capable of being attached to any board in a convenient manner. The rubbing board may be held at the top portion of the rubbing surface of the washboard by causing a hook 19, or the equivalent thereof, located upon the stationary frame, to engage with the pins 20, located for example upon the sliding blocks of the sliding frame.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent—

1. The combination, with a wash-board and the fixed right-angle arms, 10, having perforated guides, 12, fixed on their free upper ends, of the sliding angle arms, 13, which work in said guides, the guides, 15, fixed on said sliding arms and adapted to slide on the fixed arms, a transverse handle connecting the sliding arms, and the rubber, 14, attached to the free lower ends of the vertical members of the sliding arms and thereby adapted to be reciprocated with the latter, as shown and described.

2. The combination, with the wash-board, and a base board hinged thereto and adapted to fold down on the wash-board, of the right-angle arms, 10, fixed on said base-board their upper members projecting over the wash-

board parallel thereto, the sliding right-angle arms, 13, the fixed and sliding guides, 12 and 15, arranged as shown, and the rubbing-board, 14, fixed on the vertical members of the said sliding arms, as shown and described.

3. The combination, with a wash-board, of the rubbing attachment composed of the rubber, 14, the sliding angle arms, 13, and guides, 15, the fixed angle arms and their guides, 12, and the base board, which is hinged as specified, and the device for locking said base-board upon the wash-board in position for operation of the rubbing attachment, as shown and described.

LOUISE KELLY.

Witnesses:

J. FRED. ACKER,
E. M. CLARK.