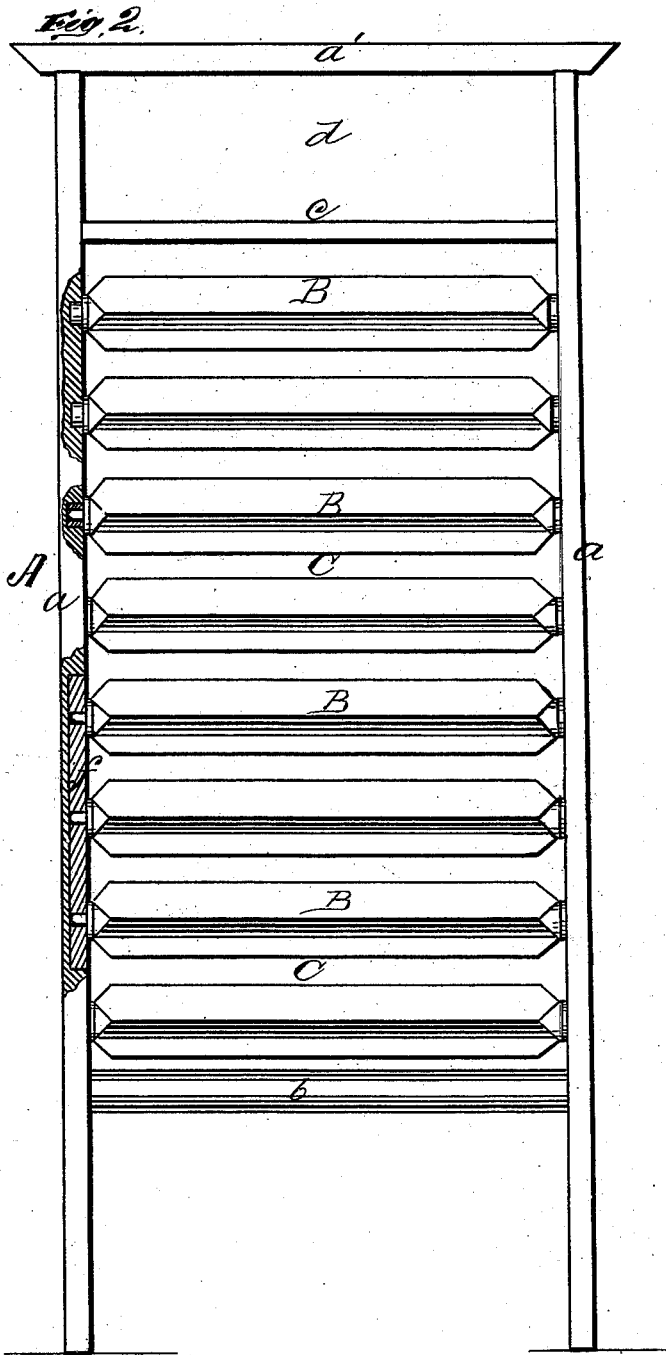
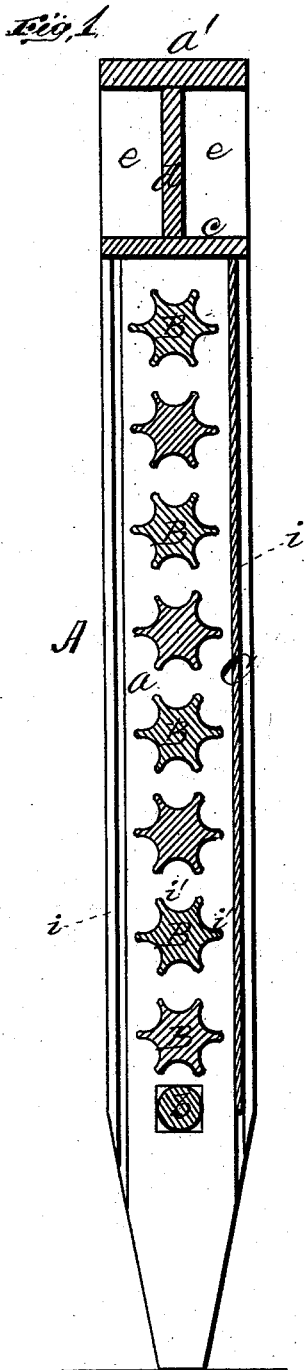


J. MURPHIN.  
Wash Board.

No. 201,821

Patented March 26, 1878.



WITNESSES  
*E. H. Bates*  
*J. J. Massi*

INVENTOR  
*Joseph Murphin*  
*By E. W. Anderson.*  
ATTORNEY

# UNITED STATES PATENT OFFICE.

JOSEPH MURPHIN, OF MALAGA, NEW JERSEY, ASSIGNOR OF ONE-HALF HIS RIGHT TO ALFRED B. RICHMAN, OF SAME PLACE.

## IMPROVEMENT IN WASH-BOARDS.

Specification forming part of Letters Patent No. 201,821, dated March 26, 1878; application filed March 2, 1878.

*To all whom it may concern:*

Be it known that I, JOSEPH MURPHIN, of Malaga, in the county of Gloucester and State of New Jersey, have invented a new and valuable Improvement in Wash-Boards; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a longitudinal vertical section of my wash-board; and Fig. 2 is a front view thereof, partly in section.

This invention has relation to improvements in wash-boards.

The nature of the invention consists in combining, with a wash-board having longitudinally-corrugated rollers journaled therein, and grooves in the side bars at each side of the said rollers, of a metallic back removably passed into the said grooves, and capable of being shifted from one side to the other, as will be hereinafter more fully explained.

In the annexed drawings, the letter A designates the frame of my improved wash-board, consisting of the side rails *a*, a top rail, *a'*, and a lower brace-bar, *b*. The top and side rails of the frame are of considerable width, the lower bar being a cylindrical rod of less diameter than the longitudinally-corrugated rollers B, that are journaled in the side rails between the top and end bars. Near the top of the frame is a transverse board, *c*, between which and the top board is placed a board, *d*, forming a pocket, *e*, upon each side of the frame for the reception of soap. The journals of the rollers are seated in a metallic plate, *f*, of any non-oxidizable metal, let into the inner

faces of the rails *a*, and extending from the pocket *e* to the lower rod *b*; or the bearings may be independent of each other, and let into the said rails separate from each other. The journals of the rollers may be of metal or wood, as I may elect. At each side of the rollers a groove, *i*, is made in the side rails of the frame, extending from the pocket to the lower bar *b*, in which is passed from below a metallic plate, C, that receives the drip from between the rollers and conducts it into the tub. As one face of the ribs *i'* of the rollers wears off the plate C is shifted to the other side of the frame. The wear then comes upon the other face of the ribs, and the duration of the rollers is greatly increased.

I am aware that wash-boards constructed with longitudinally-grooved rubbing-rollers are not new.

I am also aware that the same adapted to be used on either side, and having metallic plates or sockets for the journals of the rollers, are not new; hence I make no claim to such devices.

What I claim as new, and desire to secure by Letters Patent, is—

The combination, with a wash-board having the longitudinally-ribbed rollers and the grooves *i* at each side of the said rollers, of the drip-plate C, adapted to be shifted from one side to the other of the board, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOSEPH MURPHIN.

Witnesses:

GEO. C. POULTON,  
THOMAS TRACY.