

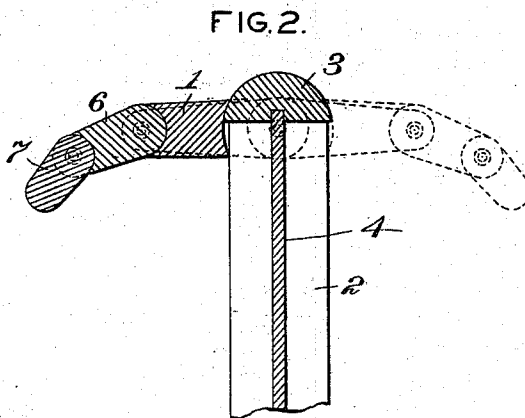
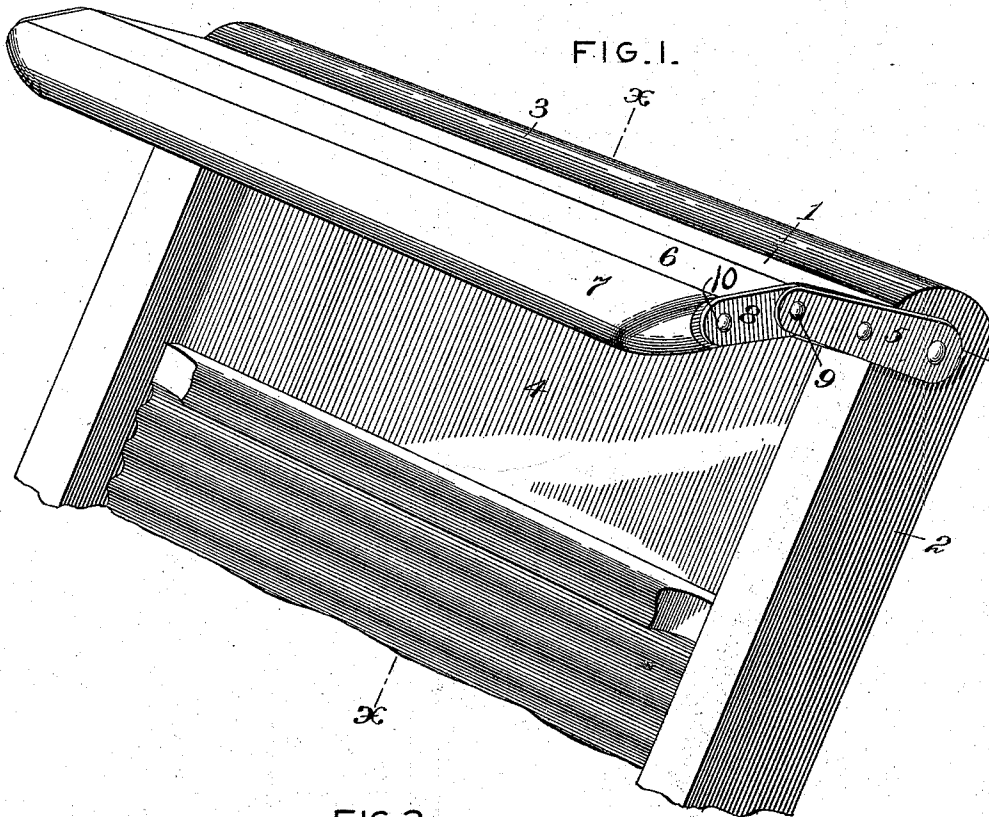
(No Model.)

2 Sheets—Sheet 1.

M. B. MILLER.
WASHBOARD.

No. 530,490.

Patented Dec. 4, 1894.



WITNESSES:

Dennis S. Wolcott
Chas. F. Miller.

INVENTOR,

Morgan B. Miller.
by George N. Christie
Att'y.

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FIG. 3.

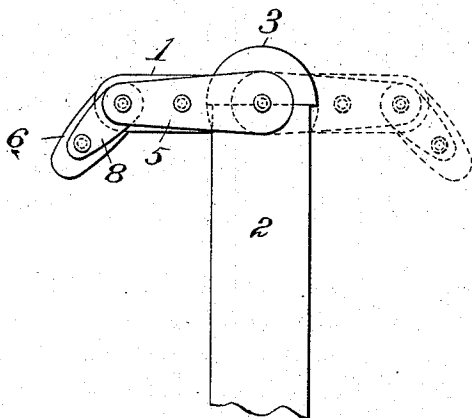


FIG. 4.

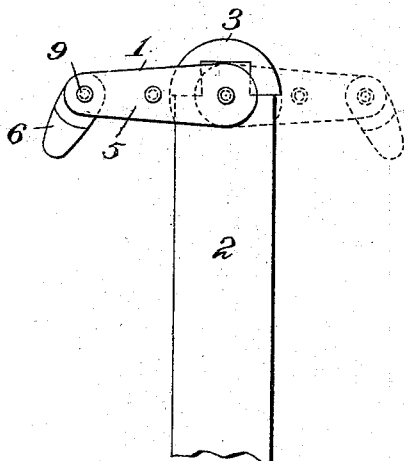
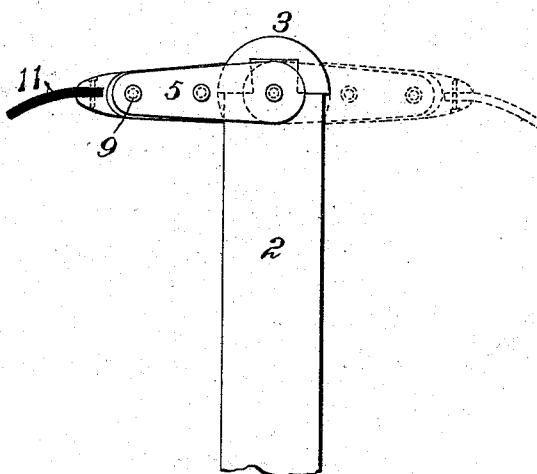


FIG. 5.



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UNITED STATES PATENT OFFICE.

MORGAN B. MILLER, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO THE
AMERICAN WASHBOARD COMPANY, OF CLEVELAND, OHIO.

WASHBOARD.

SPECIFICATION forming part of Letters Patent No. 530,490, dated December 4, 1894.

Application filed May 15, 1894. Serial No. 511,332. (No model.)

To all whom it may concern:

Be it known that I, MORGAN B. MILLER, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented or discovered certain new and useful Improvements in Washboards, of which improvements the following is a specification.

The invention described herein relates to certain improvements in protectors for washboards.

As protectors are generally constructed and attached to washboards, their sharp corners and edges render the use of the washboards uncomfortable, especially to fleshy or corpulent operators, as such corners and edges cut into the portions of the body resting upon the protector. While in this position with relation to the washboard and protector, a portion of the clothes of the operator will hang over the edge of the protector, so that water striking against the under face of the protector will be splashed against the overhanging clothes.

The object of the present invention is to provide a curved edge for the protector so as to form a comparatively broad rounding bearing for the body of the operator, and at the same time protect the clothes from contact with water splashing from the under side of the protector.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view of a portion of a washboard having my improved protector applied thereto. Fig. 2 is a sectional elevation of the same, the plane of section being indicated by the line *x, x*, Fig. 1; and Figs. 3, 4 and 5 are end elevations illustrating certain modifications in the construction of the protector.

In the practice of my invention, the protector 1 is secured to the upper portion of the washboard in any suitable manner, as, for example, if the protector is of the folding or swinging type, the protector is pivotally attached to the side bars 2, head piece 3, or brandboard 4.

In applying the protector to double faced washboards as shown in the drawings, metal straps 5 are attached to the ends of the pro-

jector and the projecting ends of the straps are so pivoted to the headpiece, or side bars that the projector may be swung from side to side of the washboard, as indicated in dotted lines.

The outer edge of the protector is provided with an auxiliary member adapted to be turned downwardly toward the rubbing face of the board, so that the upper surface of the protector and auxiliary member will form a rounded bearing or support for the body of the operator. The overhanging portion of this auxiliary member will prevent any outward splashing of water striking against the under face of the protector. In applying the auxiliary member to folding or swinging protectors, it is preferred to form it in one or two sections 6 and 7, as shown in Figs. 2, 3, and 4, one of which, as 6, is pivotally connected by straps 8 to the protector while the outer section 7, when used, is similarly connected to the section 6. When only one section is used as shown in Figs. 3 and 4, the straps 5 may be made sufficiently long, that their outer ends will lap over the ends of the section 6, and be attached thereto by pins 9, which serve as pivots for the section 6, as shown in Figs. 1 and 4; or the section 6 may be movably attached to the protector by independent straps 8, as shown in Fig. 3. The second or outer section 7 is connected to the inner section 6, by prolonging the straps 8, so that their ends overlap the ends of section 7, to which they are attached by pivot pins 10, as shown in Fig. 1.

It is preferred to form the adjacent edges of the protector and sections of the auxiliary member, the one concave and the other convex, so as to form a tight joint between them, while permitting freedom of movement to the sections. By pivotally connecting the auxiliary member to the protector, it can be turned into line therewith when applied to the folding type of protector, thereby permitting the latter to be folded down. The pivotal connection also permits of the auxiliary member being turned down toward the rubbing face, when the protector is turned to either side of the washboard.

In Fig. 5, the auxiliary member 11 is shown

as formed of flexible resilient material as rubber. While this construction will not afford as good a support for the body of the operator as the other forms, it will be equally efficient in preventing the splashing of water on the clothes of the operator.

I claim herein as my invention—

1. A protector for washboards having in combination therewith a movable auxiliary member having a yielding connection with the outer edge of the protector, substantially as set forth.

2. A protector for washboards having in combination therewith an auxiliary member formed of rigid material in one or more sec-

tions pivotally connected to the protector, substantially as set forth.

3. The combination of a double faced washboard, a protector constructed to be shifted to operative position above either face, and an auxiliary member pivotally connected to the protector and adapted to project downwardly when the protector is above either face of the washboard, substantially as set forth.

In testimony whereof I have hereunto set my hand.

MORGAN B. MILLER.

Witnesses:

DARWIN S. WOLCOTT,
F. E. GAITHER.

It is hereby certified that in Letters Patent No. 530,490, granted December 4, 1894, upon the application of Morgan B. Miller, of Pittsburg, Pennsylvania, for an improvement in "Washboards," an error appears in the printed specification requiring the following correction, viz: In line 53, page 1, the word "projector" should read *protector*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 8th day of January, A. D. 1895.

[SEAL.]

JNO. M. REYNOLDS,
Assistant Secretary of the Interior.

Countersigned:

JOHN S. SEYMOUR,
Commissioner of Patents.

Correction ...