S. L. CAVERLY.
Wash-Board.

No. 200,258. Patented Feb. 12, 1878.

FIG. 1.

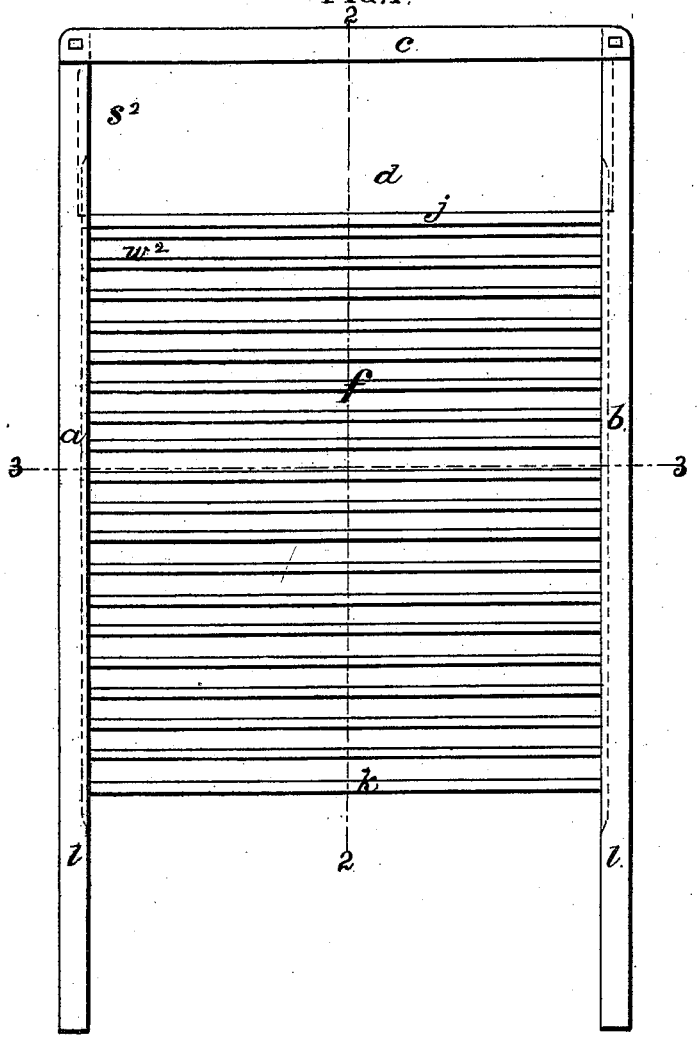


FIG. 2.

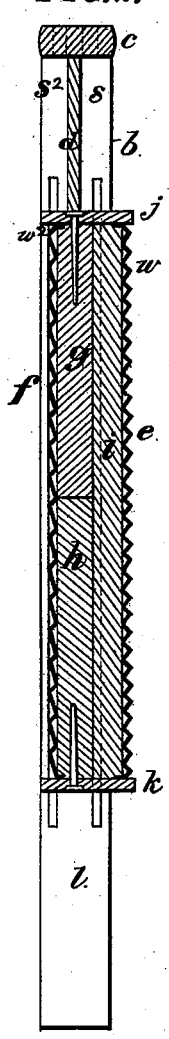
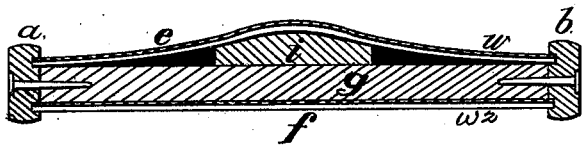


FIG. 3.



Witnesses
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SAMUEL L. CAVERLY, OF BROOKLYN, E. D., NEW YORK.

IMPROVEMENT IN WASH-BOARDS.

Specification forming part of Letters Patent No. **200,258**, dated February 12, 1878; application filed November 12, 1877.

To all whom it may concern:

Be it known that I, SAMUEL L. CAVERLY, of the city of Brooklyn, Eastern District, in the county of Kings, New York, have invented a new and useful Improvement in Wash-Boards, of which the following is a full, clear, and exact specification:

This invention relates to what are known as "zinc" wash-boards for laundry purposes; and consists in a simple and solid reversible board, constructed with a washing-surface of that superior form having a central longitudinal convexity, and another of flat shape, formed by two sheets of zinc, having corrugations of different sizes, or of one and the same size, the entire area of both said sheets of zinc being supported internally by a wooden filling composed of transverse and longitudinal pieces, while their lateral edges are inclosed in independent grooves. Said filling renders the board solid and heavy, so as to facilitate its use and increase its durability, and also forms secure holds for nails or screws, by which the side pieces of the board and top and bottom cap-pieces are attached to said filling. The combination of transverse and longitudinal filling-pieces serves also to prevent the warping of the respective pieces, which, crossing each other at right angles, afford the requisite support one to the other. The peculiarly-grooved side pieces serve also, in combination with the transverse filling-pieces, to afford secure holds for nails or screws driven between the grooves into the edges of the filling.

Figure 1 of the accompanying drawing is a face view of a wash-board embodying this invention. Fig. 2 represents a longitudinal section of the same on the line 2 2, Fig. 1. Fig. 3 represents a transverse section on the line 3 3, Fig. 1.

Like letters of reference indicate corresponding parts in the several figures.

This improved wash-board has a pair of side pieces *a b*, and a top piece, *c*, united by mortise-joints to form a wooden frame, which may be of the customary proportions, and the side pieces are extended as usual to form legs *l l*. A central groove in the inner surface of each side piece, at the upper end of the board, accommodates a thin wooden transverse piece of wood, *d*, which forms the back of two commodious soap-cups, *s* s^2, in the respective faces of the board. Extending downward the requisite distance from said central grooves two narrow parallel grooves are cut in the inner surface of each side piece, and these accommodate the longitudinal edges of two sheets of corrugated zinc, *e f*, to form the washing-surfaces *w* w^2, the first of said sheets of zinc *e* having a central longitudinal convexity.

In the illustration, the corrugations in both surfaces are transverse; but those of the flat zinc *f* are made larger than those of the convex zinc *e*, so as to afford this additional variety of surface. This variety of corrugations is not, however, considered essential.

In order to render the board solid, so as to furnish the requisite support to the zinc sheets and weight to the board as a whole, and at the same time to provide for securely uniting the parts in the most simple and substantial way, a couple of transverse pieces, *g h*, of wooden plank, having parallel sides, and of proper thickness to fill the space between said parallel grooves in the side pieces, and a single longitudinal piece of wood, *i*, having one side conformed to the shape of the back of the convex zinc, are introduced between the zincs, as shown in Figs. 2 and 3, and the upper and lower edges of the latter are bent over the corresponding edges of the wooden filling, as shown in Fig. 2, the grain of said filling-pieces *g h* running across the board, and that of the piece *i* longitudinally. A pair of thin transverse wooden caps, *j k*, complete the structure, the upper cap, in one piece, forming broad sills for both the soap-cups *s* s^2.

In putting the parts together the wooden filling *g h i* is first placed between the zincs *e f*; the grooved side pieces *a b* are then applied to the edges of these, and attached by nails entering the ends of the transverse pieces *g h*, as shown in Fig. 3; then the caps *j k* are nailed to the upper and lower edges of the filling, as shown in Fig. 2; the partition-piece *d* is then inserted, the top piece *c* is applied, and the latter is secured by corner nails, as shown in Fig. 1.

It will be observed that the entire thickness of the side pieces and transverse filling-pieces is utilized to form secure nail-holds, and that said filling-pieces also receive the nails which attach the caps *j k*.

A single transverse filling-piece of sufficient

size may obviously be employed alone, or more than two sectional pieces. Other fastenings may be substituted for the nails, and details of shape and proportion may be varied without departing from this invention.

In use, by simply turning over the improved wash-board, the user may avail herself of either a convex or a flat rubbing surface, and also (in the preferred form) of either fine or coarse corrugations, as may be preferable for washing any particular article, while commodious soap-cups are provided on both sides.

In the ordinary portable tub the convex side of the board, when turned down, will be accommodated by the circular shape of the sides of the tub. The top of the board will rest against the straight fronts of square stationary tubs, the same being deeper than portable wash-tubs.

I am aware of the Letters Patent for improvements in wash-boards issued to G. R. Wright, June 20, 1876, No. 179,085, and to J. W. Latcher, December 19, 1876, No. 185,553, and hereby disclaim the combinations shown and described in said patents.

The following is what I claim as new, and of my own invention, and desire to secure by Letters Patent, namely:

The combination, in a reversible wash-board, of side pieces, having parallel longitudinal grooves in each, transverse and longitudinal filling-pieces, having crossed grain to prevent warping, and nails or screws driven between said grooves into the edges of said transverse filling-pieces, substantially as herein shown and described, for supporting and securing flat and convex sheets of corrugated zinc on the respective sides of the board, in the manner herein specified.

SAMUEL L. CAVERLY.

Witnesses:
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WM. A. MAIN.