

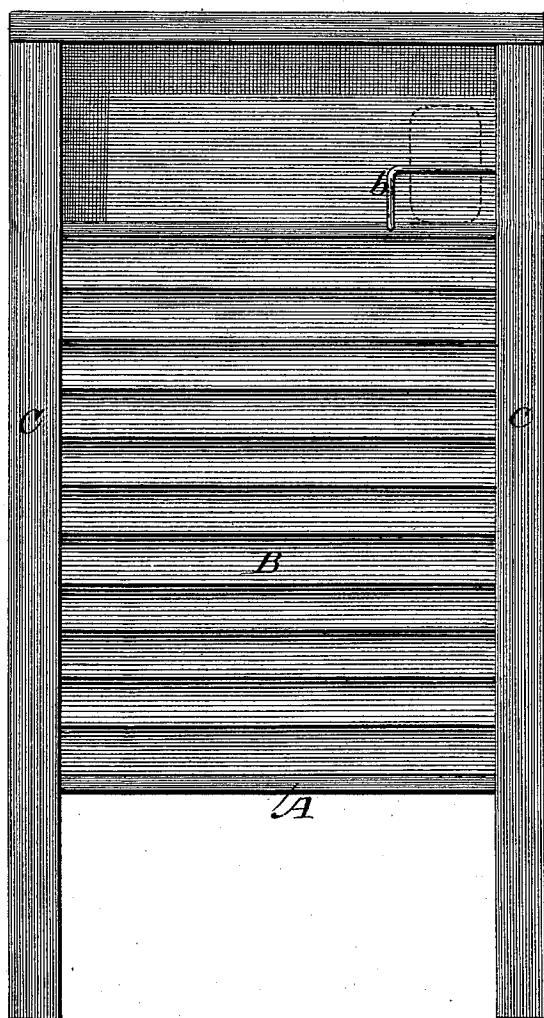
(No Model.)

A. WHITE.  
WASH BOARD.

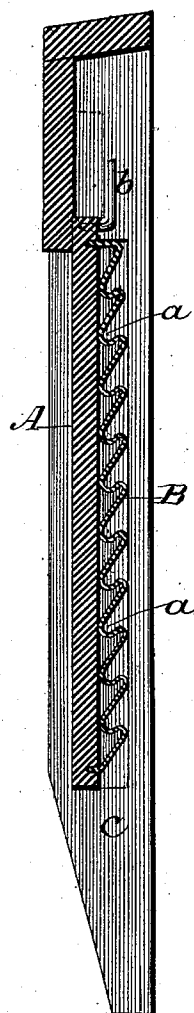
No. 294,102.

Patented Feb. 26, 1884.

*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses  
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# UNITED STATES PATENT OFFICE.

ANGELINE WHITE, OF LONDON, OHIO.

## WASH-BOARD.

SPECIFICATION forming part of Letters Patent No. 294,102, dated February 26, 1884.

Application filed August 18, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, ANGELINE WHITE, a citizen of the United States, residing at London, in the county of Madison and State of Ohio, have invented a new and useful Improvement in Wash-Boards, of which the following is a specification.

My invention relates to improvements in wash-boards in which a sheet of zinc having a number of parallel ridges and grooves is secured to a board or frame of suitable shape; and the objects of my improvements are, first, to retain upon its surface a portion of the suds used in washing by providing the sheet of zinc with peculiarly-shaped grooves, each having a deeply re-entering angle or pocket extending across its surface from one side of the sheet to the other; and, second, to provide means for retaining a cake of soap upon the wash-board, even when the latter is inclined forward. I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a front view of the wash-board constructed according to my invention. Fig. 2 is a vertical section of the same. Fig. 3 is a side view of a sheet of zinc provided with corrugations of a form most commonly used upon wash-boards.

Similar letters refer to similar parts throughout the several views.

A represents the back board and, C the side pieces, of the wash-board. The crimped sheet of zinc B is held against the surface of the board A by having its top and bottom edges secured to said board and its side edges inserted into longitudinal grooves cut in the inner surface of the side pieces, C.

In preparing the corrugations upon a sheet of zinc, the plane sheet is generally passed between fluted rollers to give it the form shown in Fig. 3, and after receiving that form it has heretofore been secured to the frame and placed upon the market. A sheet of zinc having that form of corrugations does not retain any water or suds upon its surface when it is held vertically or nearly vertically. The objects of my improvements are to retain suds upon the surface of the wash-board in transverse grooves or pockets *a*, extending from one side to the other of the zinc sheet. These pockets have a deep re-entering angle, so that when soaked clothes are drawn upward upon

the zinc, the water or suds escaping therefrom take lodgment in said pockets, and when the clothes are rubbed downward the suds within the grooves are pressed upon and in escaping are forced through the goods, and materially aid in cleansing the latter. I prefer to form the pocket *a* by submitting the crimped sheet (shown in Fig. 3) to a pressure directed obliquely to the general plane of the sheet over a suitable die placed under the platen of the press; but other means may also be used to produce the pockets *a*, extending from one edge of the sheet to the other.

To prevent a piece of soap from sliding off the shelf at the upper end of the back board, A, there is inserted into the inner side of one of the side pieces, C, a short distance above the upper end of the board A, one end of a wire, *b*, and about three inches from said inserted end the wire is bent downward at right angles to the first-described portion, and bent again opposite the upper end of the board A, and has its extremity inserted therein, thus forming a new and inexpensive soap-holder, that unites at the same time one end of the frame to the upper edge of the board supporting the peculiarly-grooved sheet of zinc.

I am aware that means for holding soap upon a wash-board have been made by extending the upper end of the board A in front of a soap-supporting shelf; but they differ from mine in construction and simplicity.

Having now described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In combination with the back board, A, and side pieces, C, of a wash-board, the sheet of zinc B, having grooves extending from one side to the other, formed with a deeply re-entering angle, whereby transverse pockets capable of retaining water upon a vertically-held wash-board are formed, substantially as and for the purpose described.

2. The combination of the back board, A, and side pieces, C, of a wash-board with the bent wire *b*, having one end inserted into one of the side pieces and the other into the back board, substantially as and for the purpose described.

ANGELINE WHITE.

Witnesses:

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