W. TODD.

WASH-BOARD.

No. 185,365. Patented Dec. 12, 1876.

Fig. 1.

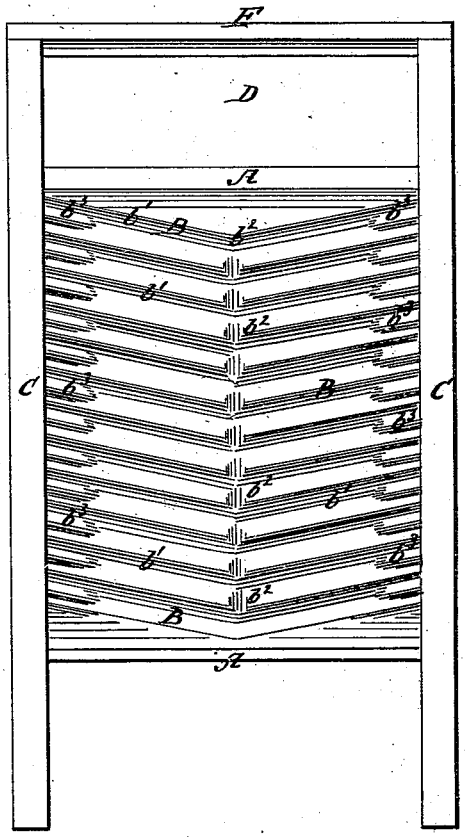


Fig. 2.

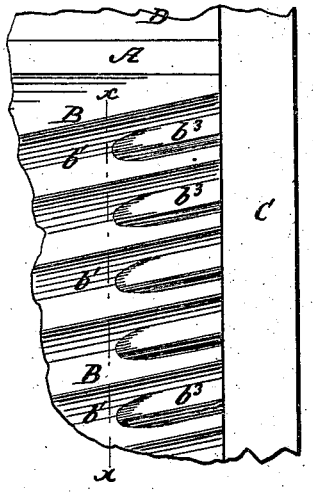
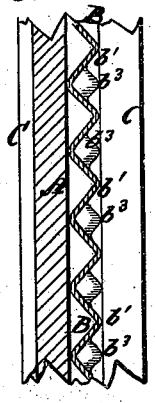


Fig. 3.



WITNESSES:

E. Wolff.

J. H. Scarborough

INVENTOR:

W. Todd.

BY Munn & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

WESTLY TODD, OF WAUSEON, OHIO, ASSIGNOR TO HIMSELF AND H. H. WILLIAMS, OF SAME PLACE.

IMPROVEMENT IN WASH-BOARDS.

Specification forming part of Letters Patent No. **185,365**, dated December 12, 1876; application filed November 18, 1876.

To all whom it may concern:

Be it known that I, WESTLY TODD, of Wauseon, in the county of Fulton and State of Ohio, have invented a new and useful Improvement in Wash-Boards, of which the following is a specification:

Figure 1 is a face view of my improved wash-board. Fig. 2 is a face view of a part of the same enlarged. Fig. 3 is a detail section taken through the line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts.

The object of this invention is to improve the construction of the wash-board for which Letters Patent No. 179,974 were granted to me July 18, 1876, so as to make it stronger and more durable without increasing the cost of manufacture.

The invention consists in the short parallel corrugations formed along the side edges of the zinc, between or within the main corrugations, as hereinafter fully described.

A is the back of the board, to which the zinc facing B is attached. The zinc B is corrugated with V-shaped corrugations b^1, the angles of which are along the central line of the board, and have a longitudinal groove, b^2, formed across them at their angles, as shown in Fig. 1. This construction allows the gritty water to run off as soon as it has been pressed from the clothes, so as to carry the dirt to the bottom of the tub. This construction also tends to draw the clothes toward the center of the board while being rubbed, and thus squeezes them together, forcing out the dirty water more thoroughly, and making the clothes clean more quickly than when an ordinary board is used.

The upper and lower edges of the zinc B are inserted in cross-grooves in the upper and lower parts of the back A, the corrugations b^1 allowing it to expand and contract without buckling. C are the side bars, the rear parts of the inner sides of which are rabbeted to receive the back A and zinc B, the flanges or shoulders thus formed overlapping the forward side of the edges of the zinc B and back A. The side bars C are nailed to the edges of the back A, and their upper parts are connected by the top board D and the cap E.

In the edges of the zinc B are formed short intermediate corrugations b^3, which strengthen the said edges, and make the spaces between the zinc and the shoulders or flanges of the sides C smaller, so that dirt, soap, and lint from the clothes while they are being washed cannot get in and lodge, to cause the zinc to corrode, and thus destroy the board.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The short parallel corrugations b^3, formed along the side edges of the zinc B, between or within the corrugations b^1, substantially as herein shown and described.

WESTLY TODD.

Witnesses:
W. C. KELLEY,
S. JOHNSON.