

W. SERVISS.
WASH-BOARDS.

No. 188,681.

Patented March 20, 1877.

Fig. 1.

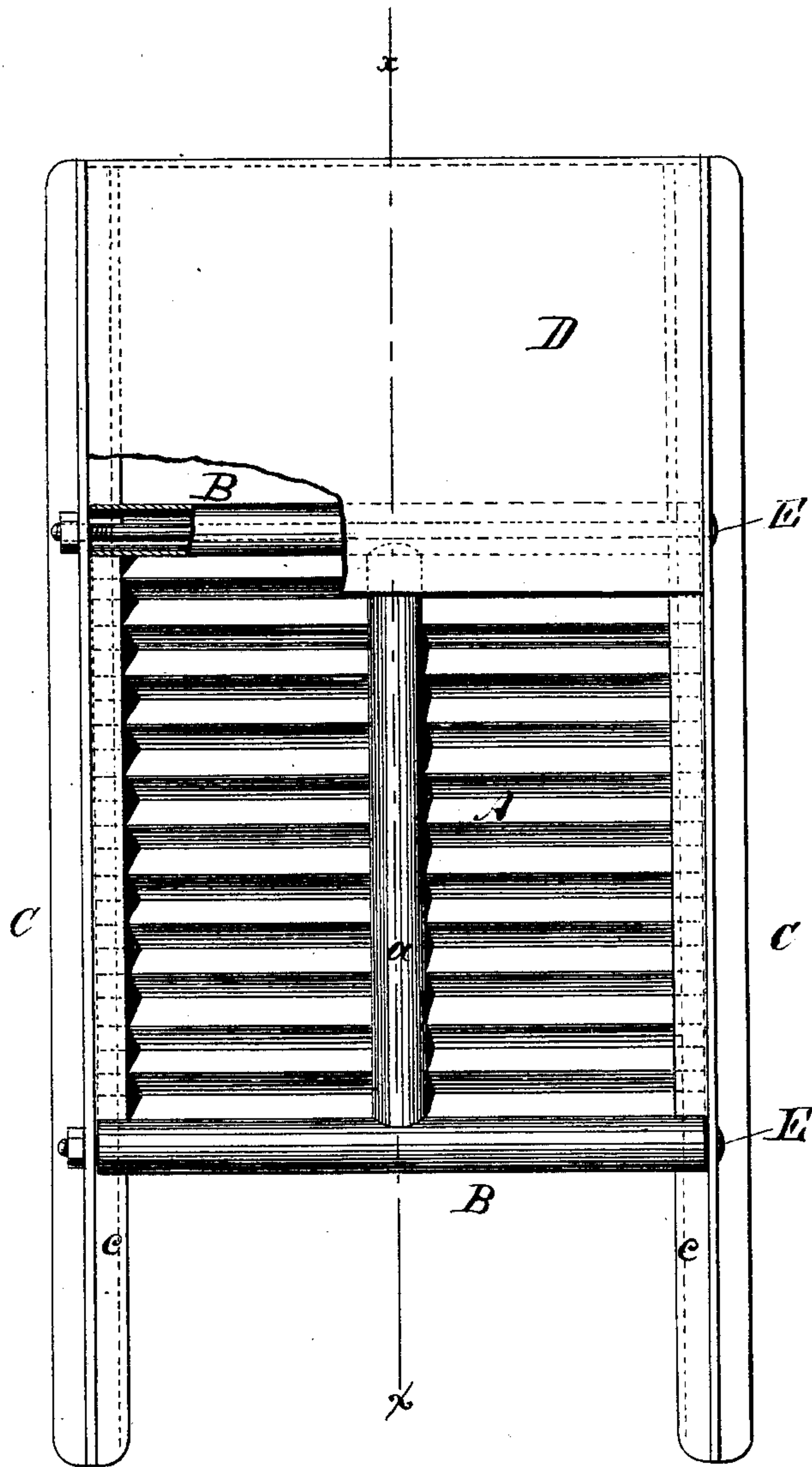


Fig. 2.

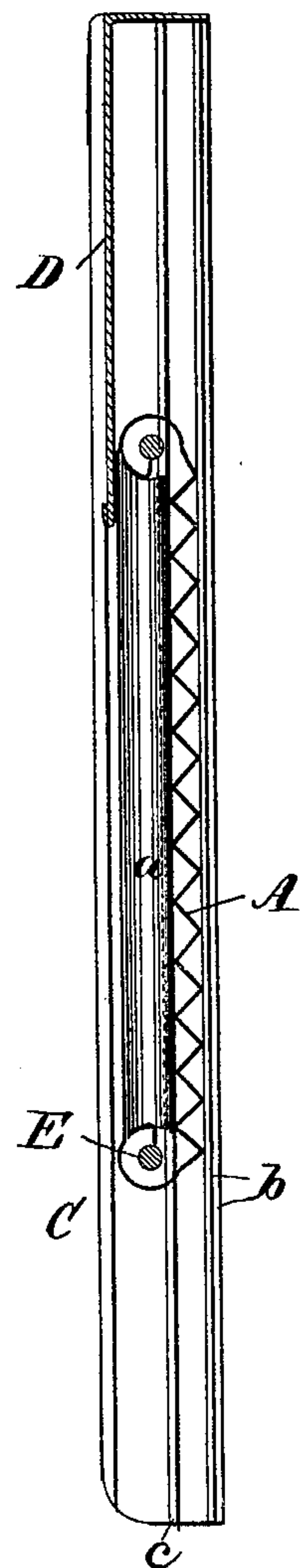
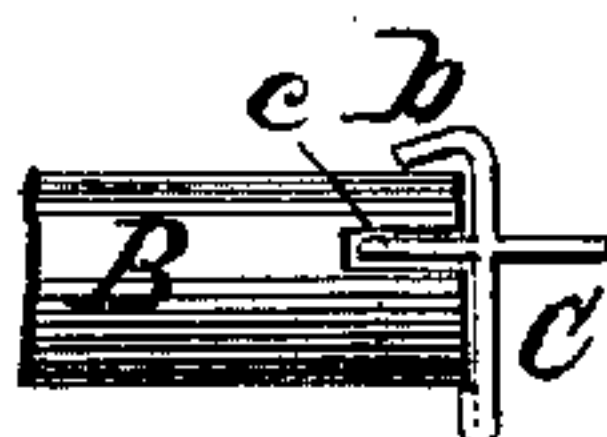


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM SERVISS, OF SIDNEY, OHIO, ASSIGNOR TO W. M. SERVISS & CO.,
OF SAME PLACE.

IMPROVEMENT IN WASH-BOARDS.

Specification forming part of Letters Patent No. 188,681, dated March 20, 1877; application filed
February 10, 1877.

To all whom it may concern:

Be it known that I, WILLIAM SERVISS, of Sidney, in the county of Shelby and State of Ohio, have invented a new and Improved Metallic Wash-Board, of which the following is a specification:

Figure 1 is an elevation of my improved wash-board, showing the back side. Fig. 2 is a vertical section on line *x x* in Fig. 1. Fig. 3 is a detail view of a portion of the board.

Similar letters of reference indicate corresponding parts.

My invention consists in making a wash-board entirely of metal, the object being to provide a wash-board that will not warp when subjected to the action of hot water and soap, and that is light and durable, and easily repaired.

Referring to the drawing, A is the corrugated portion of the wash-board, having formed upon its upper and lower edges the beads or tubular stays B. *a* is a stay, the ends of which are attached centrally to the beads B, and which rests against the back of the corrugated portion to support and stiffen it. C C are side pieces that are + - shaped in transverse section, and are provided with lips *b*, that turn toward the center of the board. D is a plate that is soldered or otherwise attached to the side pieces C, and is bent over at right angles at the top, as shown in Fig. 2. The ends of stays B are slotted to receive the rib *c* of the side pieces C, and the back of the corrugated portion A rests against the said rib. The lips *b* extend over the edges of the

corrugated portion, and prevent it from springing out, and at the same time prevent any portion of the clothes from getting into the joint between the edges of a corrugated part and the side pieces. Bolts E pass through holes in the side pieces C, and through the beads B, holding the parts firmly together. The side pieces C project below the corrugated portion, forming legs upon which the board rests when in use.

When the corrugated portion becomes worn or bent, it may be removed by taking out the bolts and slipping it downward, when it may be repaired or replaced by a new one.

The board may be made from any suitable sheet metal, or it may be made partly from sheet metal and partly from malleable cast-iron, which is galvanized, to prevent it from oxidation.

The advantages gained by my improvement are that the board will not shrink, or swell, or warp by the action of hot water, and it is stronger and more durable than those of ordinary construction.

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

The corrugated plate A, having the beads B, and stay *a*, in combination with the side pieces C, plate D, and bolts E, substantially as herein shown and described.

WILLIAM SERVISS.

Witnesses:

MICHAEL HAYS,

WAYNE M. JOHNSTON.