

No. 741,950.

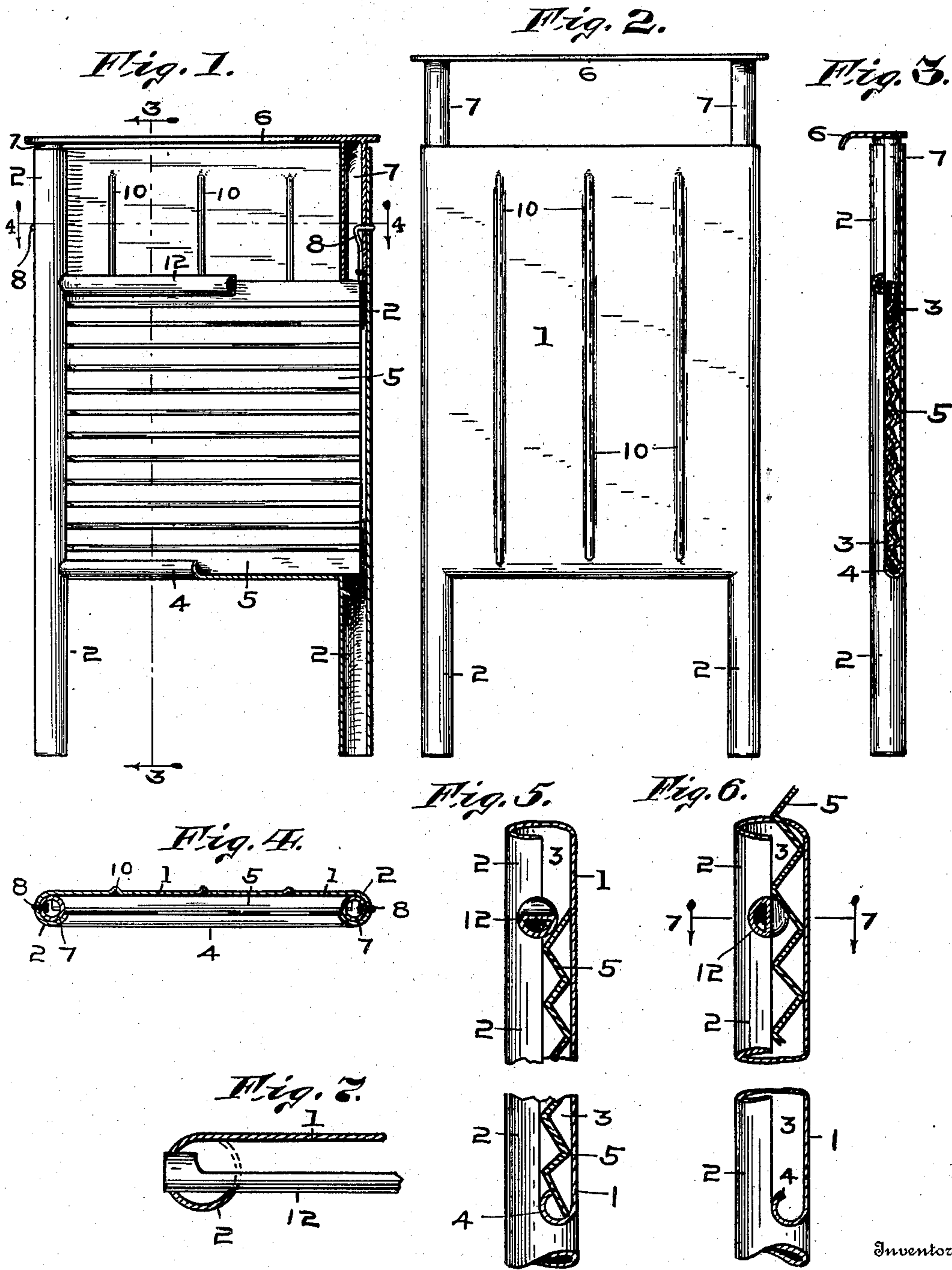
PATENTED OCT. 20, 1903.

M. ZEMELMAN.

WASHBOARD.

APPLICATION FILED MAY 18, 1903.

NO MODEL.



Witnesses

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UNITED STATES PATENT OFFICE.

MEYER ZEMELMAN, OF INDIANAPOLIS, INDIANA, ASSIGNOR, BY MESNE ASSIGNMENTS, TO INDIANAPOLIS GALVINIZED WASH BOARD MANUFACTURING COMPANY, OF INDIANAPOLIS, INDIANA, A CORPORATION OF INDIANA.

WASHBOARD.

SPECIFICATION forming part of Letters Patent No. 741,950, dated October 20, 1903.

Application filed May 18, 1903. Serial No. 157,685. (No model.)

To all whom it may concern:

Be it known that I, MEYER ZEMELMAN, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Washboards, of which the following is a specification.

This invention relates to frames for washboards, and has for its object a means for constructing the legs, back, and stay thereof of a single piece of material.

The object consists, further, in a frame for washboards to receive a rubbing-plate, common to all washboards, which is removably secured in said frame.

The object consists, further, in a frame for washboards embodying many new and novel features over the old wooden frame, in which the principal ones are that the former will not shrink, warp, split, crack, or pull apart and is so arranged that the rubbing-plate may be replaced when it becomes worn, together with a suitable locking device for securing the rubbing-plate therein. There are other features. The construction and arrangement of the several parts will be hereinafter more particularly described, and then pointed out in the claims.

Referring to the accompanying drawings, which are made a part hereof and on which similar numerals of reference indicate similar parts, Figure 1 is a view, partly in elevation and partly in section, of my improved frame for washboards. Fig. 2 is a rear view. Fig. 3 is a sectional view on the line 3-3 in Fig. 1. Fig. 4 is a horizontal view on the dotted line 4-4 in Fig. 1. Figs. 5, 6, and 7 are detail views, on an enlarged scale, of a modified construction of the locking device for securing the rubbing-plate.

In the drawings, 1 is the frame, which is preferably composed of metal. The frame 1 has the side edges curled, which terminate in cylinders to form the sides 2. Formed in line with the body upon the sides thereof and having a portion thereof integral with the legs are the curved walls 3, which provide a semicircular recess and which, in conjunction with the semicircular stay or brace 4, provide means for securing the rubbing-plate 5 to the

body of the frame. The curved walls 3 form a guide for the rubbing-plate 5, on which the linens are washed. The plate 5 is inserted between the curved walls 3 from the top, as will be readily understood by examining Fig. 3. A cross or rest plate 6 is provided with cylindrically-formed extensions 7, that telescope with and slide into the upper ends of the curved walls 3. These extensions 7 are cut so that when placed into position the lower ends of the extensions will bear upon the upper edge of the rubbing-plate 5, and thus serve to hold and lock said plate. Suitable catches 8 are secured within the extensions 7 and engage in any suitable manner with the curved walls 3, and it will be understood that when said extensions 7 are pressed down into the curved walls 3 the catches will lock the parts together, and thus firmly hold the rubbing-plate in position. Hence it will be seen that I have an effective means for securing the rubbing-plate 5 when the latter is in position and which may be easily removed when worn and replaced by a new one. The frame 1 is also provided with a number of corrugations 10, which may extend in any desired direction and are intended to strengthen the same.

In Figs. 5, 6, and 7 a modification of the locking device is shown, which is accomplished by forming the upper bar 12 in a semicircular manner, leaving the ends thereof formed cylindrically where they engage with the curved walls 3, which provide the bearings for the bar. The bar 12 may be moved into the position shown in Fig. 6, in which position the rubbing-plate 5 may be removed from the frame. After said plate has been inserted, however, the bar 12 is turned as shown in Fig. 5, when the plate is locked.

Having thus fully described my said invention, what I desire to secure by Letters Patent is—

1. In a washboard, a frame and back made of a single piece of material having the center of its lower portion cut away and having its side edges rolled to form sides and legs of the frame, the sides being provided with slots, and the lower edge between the legs

being rolled to form a stay, in combination with a rubbing-plate engaging the slots and sides, and means for securing the rubbing-plate in the frame.

5 2. In a washboard, a frame made of a single sheet of material, cut away centrally of its bottom, legs formed by the two projecting members, curved walls provided upon opposite faces of the body forming guides upon
10 opposite sides thereof, and a rubbing-plate seat formed upon the lower edge of the body between the legs, in combination with a rubbing-plate adapted to fit upon the body thereof between the curved walls and have its
15 lower edge rest upon the seat.

3. In a washboard, a frame made of a single sheet of material, cut away centrally of its bottom, legs provided by the two projecting members formed by the cut-away portion
20 thereof, curved walls provided upon opposite faces of the body forming guides upon opposite sides thereof, and a rubbing-plate seat formed upon the lower edge of the body between the legs, in combination with a rubbing-plate adapted to fit upon the body thereof
25 between the curved walls and have its lower edge rest upon the seat, and a locking device having a semicircular formation removably mounted in the body and adapted
30 to be moved either to allow the insertion of the rubbing-plate or to lock the same after the insertion into the frame.

4. In a washboard, a frame made from a single sheet of material and cut away upon
35 its lower edge so as to form legs in line with the outer edges of the body thereof, and curved walls provided upon opposite edges of the body of the frame in line with the legs, in combination with a rubbing-plate adapted
40 to be slidably mounted between said curved walls, and a locking device adapted to telescope with the curved walls and rest on the

upper edge of the rubbing-plate for holding the rubbing-plate in position.

5. In a washboard, a frame made from a single sheet of material and cut away upon its lower edge so as to form legs in line with the outer edges of the body thereof, and curved walls upon opposite edges of the body of the frame in line with the legs, in combination with a rubbing-plate adapted to be
50 slidably mounted between said curved walls, a locking device adapted to telescope with the curved walls and rest on the upper edge of the rubbing-plate for holding the rubbing-plate in position, and a flexible means for engaging the curved walls, for the purpose set forth.

6. In a washboard, a frame made from a single sheet of material provided upon its
60 lower edge with hollow legs 2; upon opposite sides thereof and in line with the legs, the curved walls 3, and upon its lower edge between the legs with a curved stay 4, in combination with a rubbing-plate slidably mounted between the curved walls and resting upon the stay.

7. In a washboard, a frame made from a single sheet of material having strengthening-strips compressed from the body thereof and
70 provided with hollow legs 2; upon opposite sides thereof and in line with the legs, the curved walls 3, and upon its lower edge between the legs with a curved stay 4, in combination with a rubbing-plate slidably mounted between the curved walls and resting upon the stay.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 11th day of May, A. D. 1903.

MEYER ZEMELMAN. [L. S.]

Witnesses:

L. B. SHAFER,

F. W. WOERNER.