

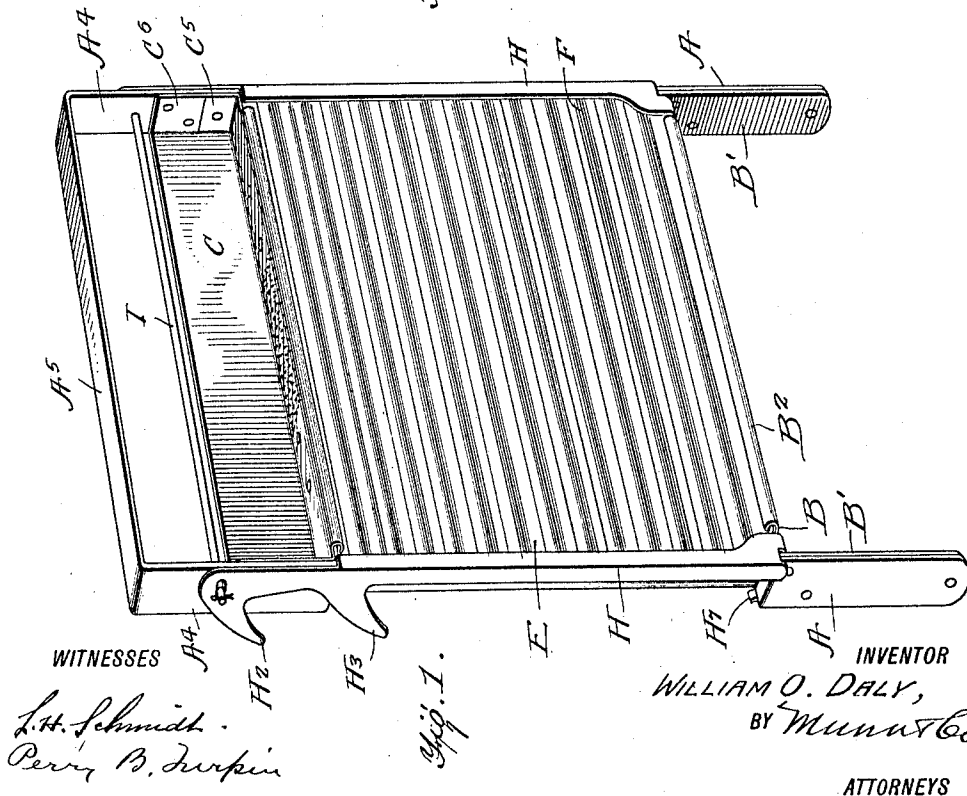
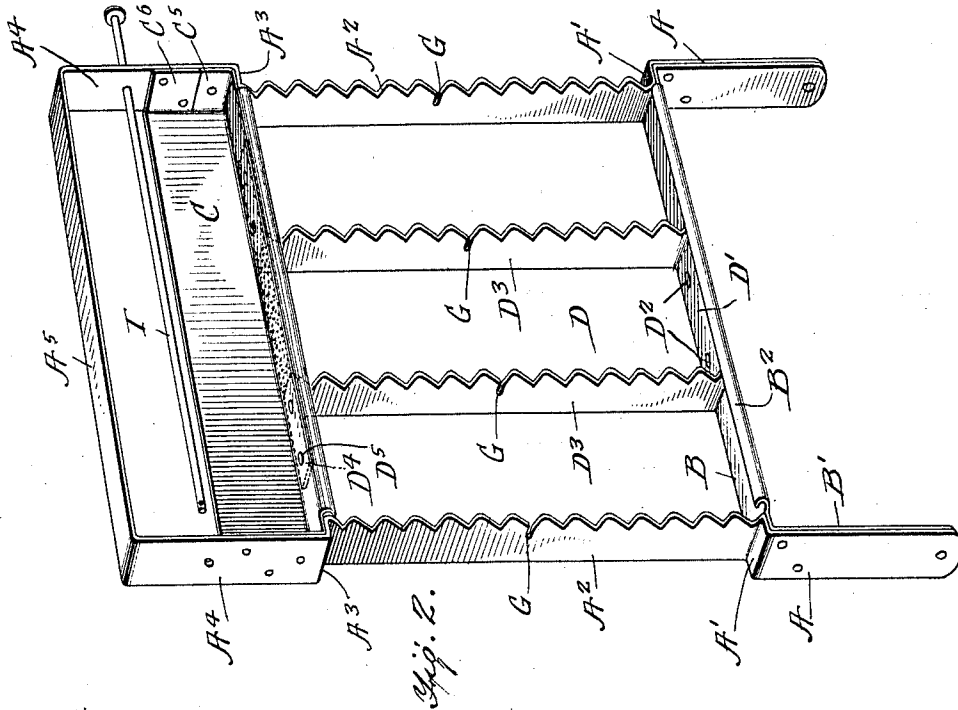
W. O. DALY.
WASHBOARD.

APPLICATION FILED MAY 11, 1911. RENEWED JUNE 27, 1912.

1,055,142.

Patented Mar. 4, 1913.

2 SHEETS—SHEET 1.



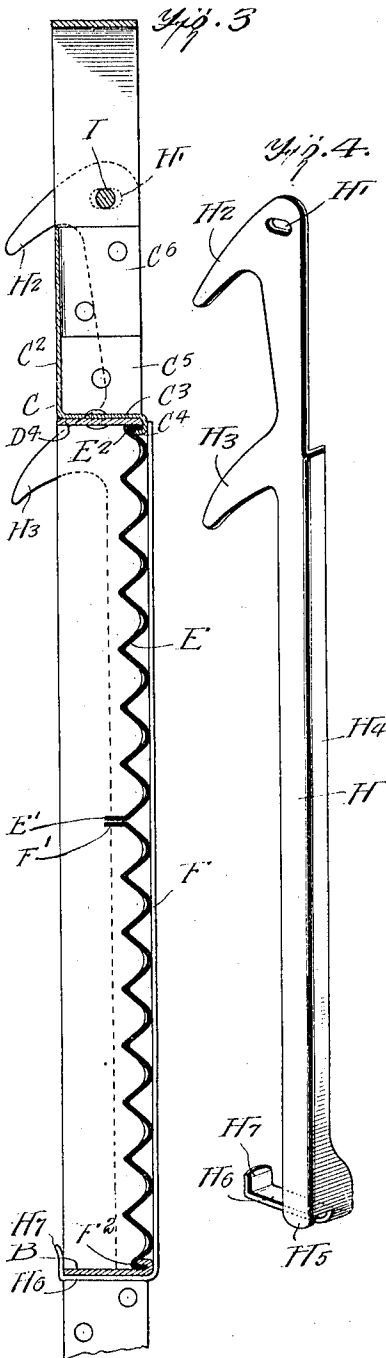
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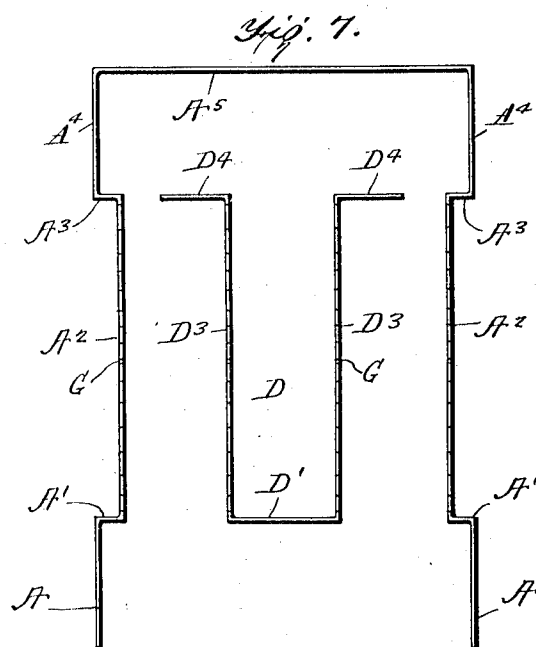
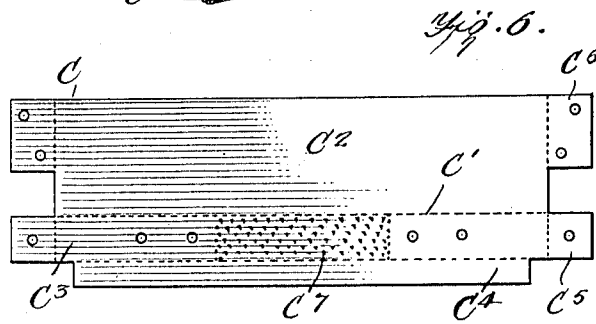
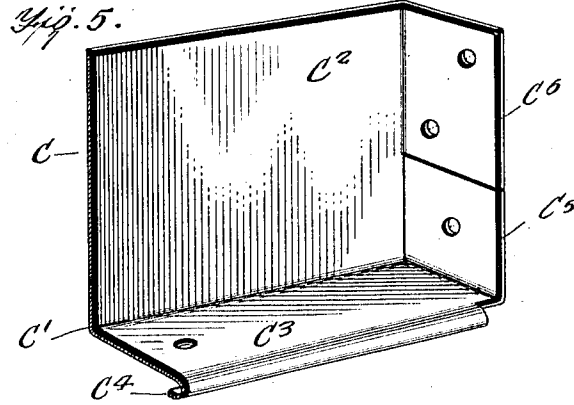
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2 SHEETS-SHEET 2.



WITNESSES

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WASHBOARD.

1,055,142.

Specification of Letters Patent.

Patented Mar. 4, 1913.

Application filed May 11, 1911, Serial No. 626,577. Renewed June 27, 1912. Serial No. 706,288.

To all whom it may concern:

Be it known that I, WILLIAM O. DALY, a citizen of the United States, and a resident of Mobile, in the county of Mobile and State of Alabama, have invented certain new and useful Improvements in Washboards, of which the following is a specification.

This invention is an improvement in wash-boards and has for an object to provide a novel construction of wash-board in which the rubbing surfaces will be reinforced and can be readily removed and replaced when desired, the whole being constructed to furnish a strong, durable, easily handled wash-board which can be conveniently supported for use; and the invention consists in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

In the drawings Figure 1 is a perspective view of a wash-board embodying my invention. Fig. 2 is a perspective view of the board with the rub sections removed. Fig. 3 is a vertical longitudinal section of the board. Fig. 4 is a detail perspective view of one of the locking bars. Fig. 5 is a detail perspective view of one end of the soap-holder. Fig. 6 is a plan view of the blank from which the soap-holder is formed. Fig. 7 is a detail front view of the main frame, and reinforcing frame.

In carrying out the invention, I employ what, for convenience of reference, I term a main frame and this is shown in detail in Fig. 7. This main frame is bent from a strip of metal to form legs A, the inwardly extending lateral offsets A' at the upper ends of the legs, the corrugated side bars A² extending upwardly from the offsets A', the lateral offsets A³ projecting outwardly at the upper ends of the corrugated side bars A², the side bars A⁴ extending upwardly from the offsets A³ and the top bar A⁵, both sides of the main frame being alike, except that they are rights and lefts, as will be understood from Figs. 2 and 7 of the drawing. A lower cross bar B has at its ends legs B' extending downwardly alongside of and secured to the legs A of the main frame and this bar B has its front edge turned upwardly and inwardly at B² to secure the lower edge of the rub sections as presently described.

The soap-holder C is bent from a blank such as shown in Fig. 6, this being folded

on a line C' to form the back plate C² and the base plate C³ whose front edge is turned down and in at C⁴ to form a hook to engage and hold the upper edge of the rub section. At the ends of the blank, I provide lugs C⁵ and C⁶, the lugs C⁵ being up-turned and the lugs C⁶ being out-turned with their edges coinciding as shown in Figs. 2 and 5 and these lugs are riveted to the side bars A⁴ securing the soap-holder firmly in position. This soap-holder may be roughened at C⁷ to better hold the soap from slipping.

A reinforcing frame D has a bottom bar D' riveted at D² to the cross bar B and this bar D' is provided at its ends with upwardly projecting bars D³ corrugated similarly to the bars A² and provided at their upper ends with outwardly turned ears or lugs D⁴ shown in Figs. 2 and 7 and riveted at D⁵ to the base bar of the soap-holder.

The bars A² and D³ are corrugated in correspondence with the corrugations of the rub sections E and F and are also provided intermediate their ends with notches G in which are fitted the inturned flanges E' and F' at the meeting edges of the sections E and F as shown in Fig. 3.

In operation, the sections E and F are hooked at E² and F² in engagement with the hooked flanges C⁴ and B² and the flanges E' and F' are pressed into the notches G of the bars A² and D³ and means are provided for securing the rub sections in place upon their supporting bars A² and D³. This is preferably effected by means of the construction shown, and comprising locking bars H as shown in Figs. 1 and 4, these bars being alike except that they are rights and lefts. These bars H are pressed or bent from a suitable plate of metal and have at their upper ends openings H' for the passage of a securing rod or bolt I and are also provided with a hook or hooks H² and H³ to engage upon the upper edge of a tube in supporting the board in position for use. These bars H also have inwardly projecting flanges H⁴ which when applied as shown in Fig. 1, overlie the side edges of the rub sections and the bar is secured at its lower end detachably in connection with the main frame of the board. To this end, the bar H has at its lower end a projecting lug H⁵ which extends down slightly alongside the leg A and it also has an arm H⁶ extending below the base bar B and upturned at its

rear end H⁷ to engage in the rear of the base bar as shown in Fig. 3 and thus secure the locking bar H in position. When the bar is applied as shown in Figs. 1 and 3 and locked by the rod I, it will operate to secure the rub sections firmly in position. At the same time, whenever it is desired to remove the rub sections in order to replace them or for other purposes, the rod I can be conveniently withdrawn and the locking bars H slipped out of locking position and the rub sections E and F be removed for any purpose desired.

The bars A² and D³ supporting the rub sections are important in that they reinforce the rub sections practically throughout and tend to prevent any breaking down of the corrugations of the rub sections from the pressure incident to the use of the device. At the same time, if the rub sections become broken or otherwise unfit for use they can be conveniently removed whenever desired and replaced by others at a small cost compared to replacing the entire board.

In practice, suitable galvanized iron or other metal may be utilized in the production of the board.

I claim:

1. A wash-board, substantially as herein described, comprising a main frame having side bars corrugated along their edges, a base bar having leg portions secured to the side bars, the said base bar having an upwardly and inwardly turned flange, a soap-holder having at its ends portions secured to the side bars, the said soap-holder being also provided with a downwardly and inwardly turned flange, a reinforcing frame secured to the base bar and soap-holder, the side bars of the reinforcing frame being corrugated similarly to the side bars of the main frame, a rubber fitting on the corrugated portions of said bars and having at its ends means engaged by the flanges of the soap-holder and the base bar and locking

bars secured detachably in connection with the main frame and having means overlapping the side edges of the rubber whereby to retain the same in place upon the frame, substantially as set forth.

2. A wash-board having a metallic main frame, a corrugated metallic rubber applied to the main frame and projecting at its side edges beyond the main frame and means for securing said rubber comprising bars at the opposite side edges of the rubber and provided with front flanges overlapping the extended portions of the rubber and with side flanges extending along and covering the edges of the rubber, the said flanges forming an L-shaped bar which may be moved in a direction at a right angle to the rubber into position to secure the same, substantially as set forth.

3. A wash-board comprising a metallic frame having side bars provided with lateral offsets and cross bars secured to said offsets, a metallic reinforcing frame having portions extending along and secured to the cross bars and also portions extending between said cross bars and a rubbing surface supported by the main frame and reinforcing frame, substantially as set forth.

4. The combination in a wash board with a main frame having side bars, of upper and lower cross bars between the said side bars, a reinforcing frame bent from a strip of metal and having an intermediate portion secured upon one of said cross bars and longitudinal bars extending between the cross bars and having out-turned ends secured to the other of said cross bars and a rubbing surface applied to the longitudinal bars of the main frame and reinforcing frame, substantially as set forth.

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