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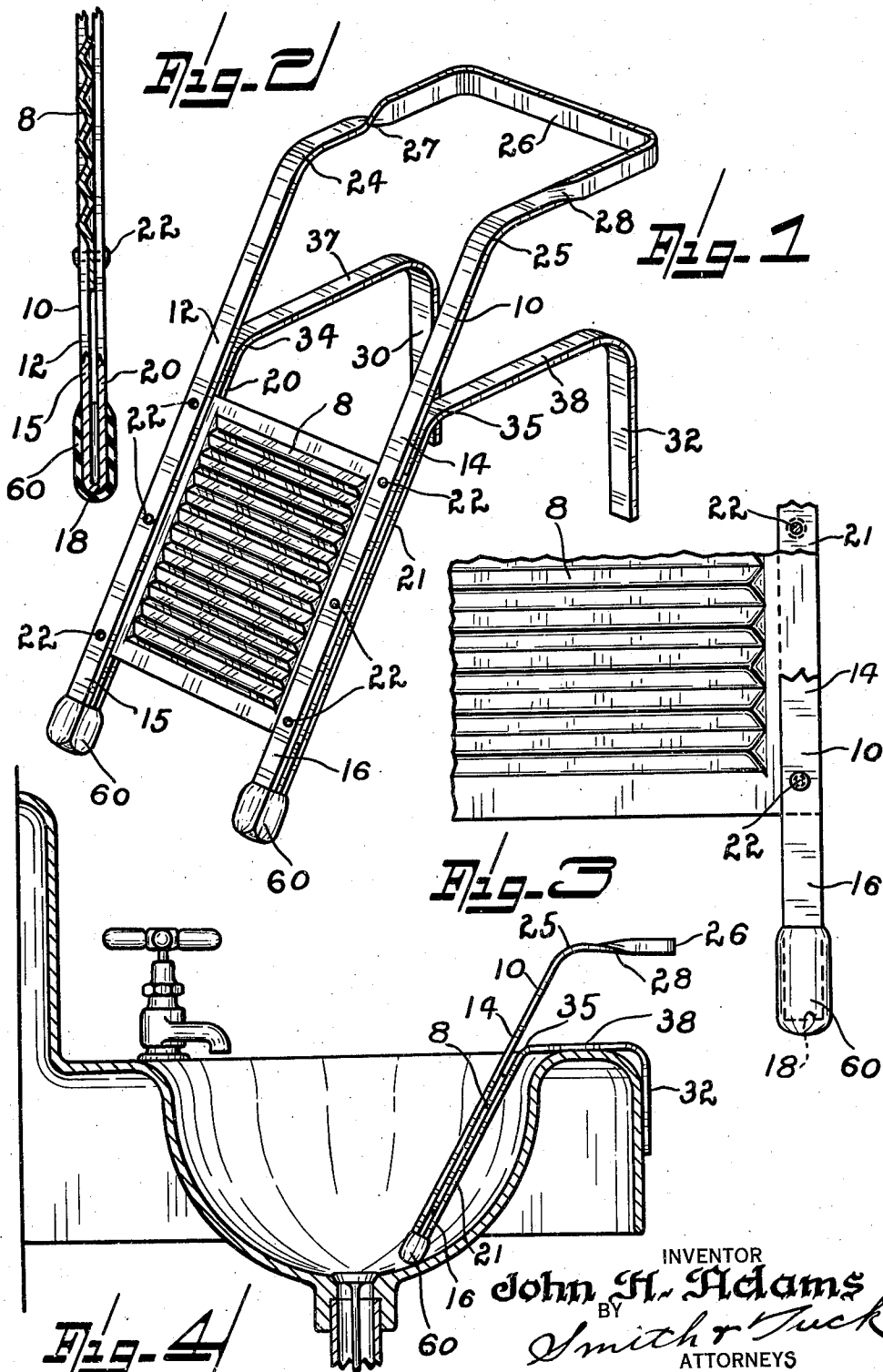
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2,129,079

WASHBOARD FOR USE IN SINKS

Filed April 16, 1935

2 Sheets-Sheet 1



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Fig. 5

25, 26, 28, 42, 52, 54, 56, 58, 47, 48, 40, 44, 46, 50, 21, 10

Fig. 6

25, 26, 28, 42, 52, 54, 56, 58, 47, 48, 40, 44, 46, 50, 21, 10

Fig. 7

25, 26, 28, 42, 52, 54, 56, 58, 47, 48, 40, 44, 46, 50, 21, 10

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WASHBOARD FOR USE IN SINKS

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4 Claims. (Cl. 68—223)

My present invention relates to the art of washboard construction and more particularly to washboard for use in a sink.

Washboards of various types have long been made for use in laundry trays and wash tubs. Of late years, however, the increasing popularity of apartments has created a demand for a washboard that can be conveniently used with sinks, wash basins and bath tubs made after the mode of modern plumbing fixtures. These quite often have a curved bottom and a fairly wide rim. Under such conditions it is difficult to use the ordinary washboard or even the washboards which are provided with brackets and the like for securing them to wash tubs. Many devices have been created for clamping a washboard to a wash tub but modern plumbing fixtures are invariably finished with enamel or porcelain and it is difficult indeed to clamp any board to the same. With my present washboard I have provided hook like arrangements which are adapted to engage the outer margin of the bowl or sink and when the user presses against an upward extension of the board it is held securely in this position most desired for general use.

The principal object of my present invention, therefore, is to provide a washboard which may be conveniently used in a modern wash bowl, sink or bathtub.

A further object of my invention is to provide a washboard which can be used with modern plumbing fixtures, will be secure when in use and which may be easily stored away after its period of use has ended.

A further object of my present invention is to provide a washboard which will be convenient to use but which can be made entirely of metal so that it can be sterilized in hot water and kept in clean and sanitary condition.

Other and more specific objects will be apparent from the following description taken in connection with the accompanying drawings, wherein

Figure 1 is a perspective view showing my washboard as it would be made in the smaller sizes.

Figure 2 is a fragmentary view, partly in section, showing the manner of securing the washboard's corrugated surface in place and also the protective foot arrangement.

Figure 3 is a fragmentary view showing a portion of the washboard in front view.

Figure 4 is a vertical sectional view taken through a washbowl of conventional design and showing how my washboard is used in conjunction therewith.

Figure 5 illustrates a modified form of my washboard as it would be constructed where it is desirable to fold the supporting members of the washboard for more convenient packaging and storage.

Figure 6 is a view in perspective showing the members comprising the hinge of my foldable hook member.

Figure 7 illustrates in perspective the manner in which my washboard will be used when it is provided with foldable hook members.

Referring to the drawings, throughout which like reference characters indicate like parts, 8 designates the corrugated plate forming the rubbing surface of my washboard. This I prefer to form of sheet metal in a manner common in washboard construction. This member is further stiffened and supported by frame 10. This frame 10 is preferably formed of strap metal.

Frame 10 is formed of the upper side bars 12 and 14 which extend upwardly to some distance above plate 8 and down somewhat below the plate so as to form the rest portions 15 and 16. At the extremities of the rest portions 15 and 16 I provide a return bend as at 18, and extend the metal upwardly on the under side of plate 8 so as to form the lower side members 20 and 21, respectively. Board 8 is held between the upper and lower side members and secured in the desired position, preferably by a plurality of rivets, 22, although with certain types of metal it might be more desirable to spot weld the same in a number of places. At a point well above board 8 I provide bends 24 and 25 and the rest portion 26. This I prefer to present a flat surface for the operator to lean against. This necessitates the bend in the flat material at 27 and 28.

To secure the washboard against being pushed into the bowl I provide the outwardly extending hook members 30 and 32. These members may be made as shown in Figure 1 from an extension of the lower side members 20 and 21, by providing bends at 34 and 35 and the outwardly extending portions 37 and 38. This construction normally can only be used in the smaller sizes of this board wherein the board proper, 8, is of such a size as to handle small items of lingerie, handkerchiefs, stockings and the like. Even then it must be made of strap material that affords considerable resistance to distortion. Then too if the side of the board is considerable or approaching the standard size washboards the hook members 30 and 32 add a great deal to the required storage space and require excessive space in the transportation of the units. To overcome this condition I

have provided the modified form shown in Figures 5, 6 and 7 in which the lower side members 21 terminate in a hook member 40 which is curved to form slightly more than one-half of a circle.

5 The hook members 42 are formed with a circular loop or eye 44 adapted to fit the inner surface of hook 40 so as, in effect, to form a hinge joint. In order to prevent end movement which would tend to uncouple the hook unit from the main frame of the washboard, I provide that the hook member
10 be slotted as at 46 and that a headed dowel pin 47 may be secured between the upper and lower side members and pass through opening 48 in hook member 40. This arrangement does not interfere
15 with the free hinging of member 42 but does prevent its transverse movement and possible displacement.

Hook members 42 are provided at their extreme ends with a straight portion 50 formed as a tangent of eye 44 and adapted to form a stop or rest when it abuts frame member 21, as indicated at Figure 7. This straight portion 50 is so arranged that when the unit is unfolded as in Figure 7 it will tend to arrest the downward movement of
25 hook 42 before support member 52 becomes engaged in notch 54. The final engagement in notch 54 being accomplished by springing, to a degree, the flat members 20, 21 and 42. This spring tension tends to seat the support member 52 securely
30 when the device is unfolded as in Figure 7. Support 52 is pivotally secured to hook members 42 as by depressing the metal at 56 and expanding it at 58 so as to form a seat for the preferably round stock of support 52. When the frame is folded
35 after the showing of Figure 5 support member 52 folds in between the hook members and the rest member 26, thus making for economy in storage space required and making the shipping of the unit more economical in that there will be less
40 waste space in the cartons or packing cases.

In using my present device it is applied to a wash bowl or tub after the showing of Figure 4. The hook members prevent the device being forced into the bowl even though considerable pressure is
45 applied by the user at 26. At the extreme end of rest portions 15 and 16 I provide a non-metallic foot 60. This can be formed from fibre, rubber or any other suitable material.

It will be apparent it is believed that as long as
50 there is inward pressure on rest 26 the board will be held in secure position and not be dislodged by rubbing incidental to the normal use of a washboard.

The foregoing description and the accompanying
55 drawings are believed to clearly disclose a preferred embodiment of my invention but it will be

understood that this disclosure is merely illustrative and that such changes in the invention may be made as are fairly within the scope and spirit of the following claims.

I claim:

1. A washboard comprising a U-shaped frame of a single strip of metal or the like having return bends at the free ends of the legs to form portions extending along but spaced from the legs and a rubbing plate secured between said legs and their spaced portions.

2. A washboard comprising a U-shaped frame of a single strip of metal or the like having its upper end bent backwardly at an angle to form a pressing bar and the ends of the legs having integral return bends to form portions extending along the back of, but spaced from, the legs, said portions at their upper ends terminating in hooks having down-turned ends beneath the pressing bar, and a rubbing plate secured between said legs and their spaced portions.

3. A washboard comprising a U-shaped frame having its upper end bent backwardly at an angle to form a pressing bar, the legs of said frame being notched on their under sides adjacent said bar, and the ends of the legs having integral return bends to form portions extending along the back of, but spaced from, the legs, the upper ends of said return bends being curved downwardly to form bearings, a pair of angular hooks each having an end journaled in said bearings and means for preventing lateral movement of said hooks, the angles of said hooks being longitudinally expanded to form bearings, and a bail having its ends journaled in said latter bearings and said bail adapted for engagement with said notches.

4. A washboard comprising a U-shaped frame having its upper end bent backwardly at an angle to form a pressing bar, the legs of said frame being notched on their under sides adjacent said bar, and the ends of the legs having integral return bends to form portions extending along the back of, but spaced from, the legs; the upper end of said return bends being curved downwardly to form bearings, a pair of angular hooks having up-turned ends each terminating in a loop and journaled in said bearings, said loops having arcuate slots therein and a pin attached to each said return bends and engaging a slot for limiting the lateral movement of said hooks, the angles of said hooks being longitudinally expanded to form bearings, and a bail having its ends journaled in said latter bearings and said bail adapted for engagement with said notches.

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