Oct. 27, 1925. 1,559,262

C. A. KUMMERMEHR ET AL

WASHBOARD

Filed April 17, 1922 2 Sheets-Sheet 1

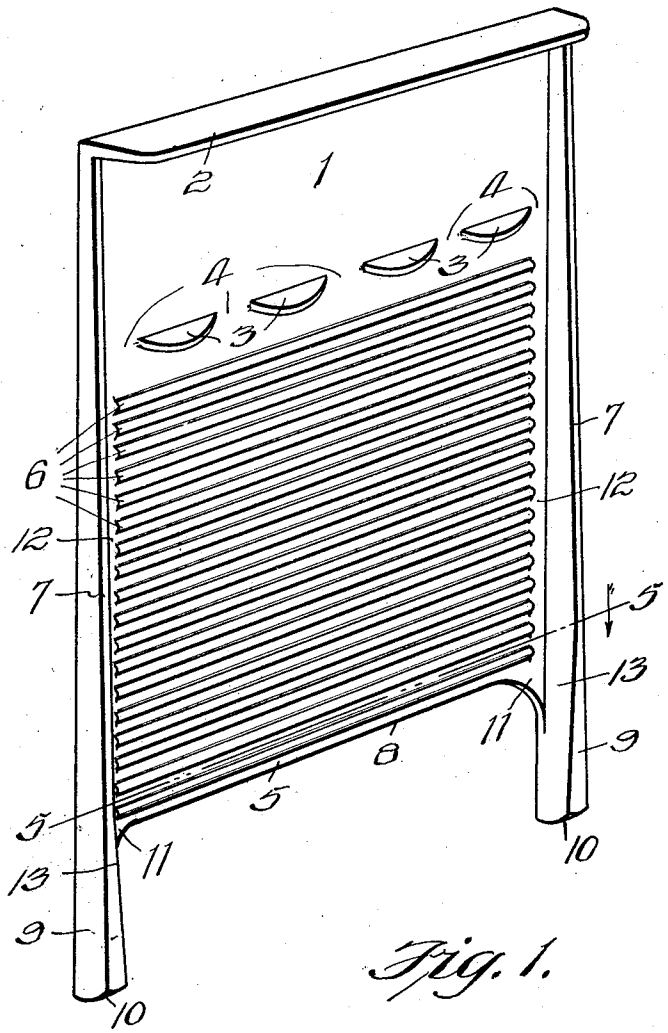



Fig. 1.

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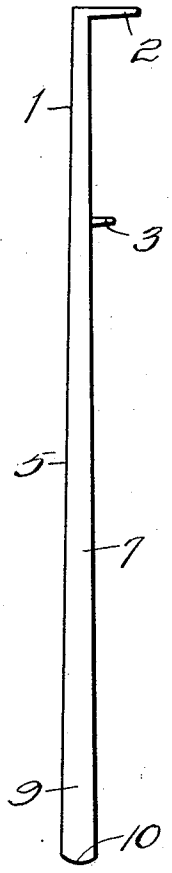



Fig. 2.

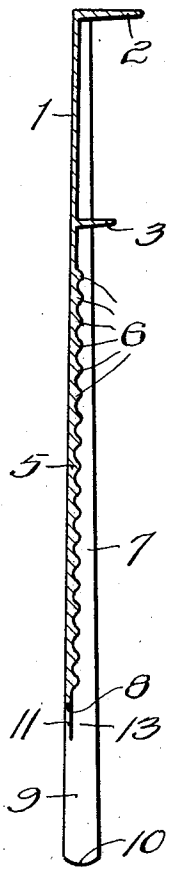



Fig. 3.

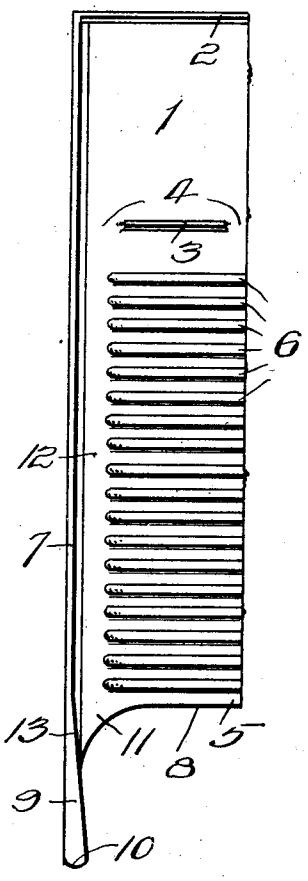



Fig. 4.




Fig. 5.

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# UNITED STATES PATENT OFFICE.

CARL A. KUMMERMEHR AND JACOB SCHILLING, OF BELLEVILLE, ILLINOIS.

## WASHBOARD.

Application filed April 17, 1922. Serial No. 553,588.

*To all whom it may concern:*

Be it known that we, CARL A. KUMMERMEHR and JACOB SCHILLING, citizens of the United States, residing at Belleville, in the county of St. Clair and State of Illinois, have invented certain new and useful Improvements in Washboards, of which the following is a specification.

Our invention relates to wash-boards, directed more particularly to single piece wash-boards, and is a distinct and practical improvement to overcome certain important and practical objections to, and defects in, the present forms of single piece wash-boards, as well as wash-boards made up of a plurality of pieces.

The primary object of our present invention is to mold a single piece wash-board from metal, such as aluminum so as to provide a board that will be neat in appearance, strong in structure, light in weight, practically free form breakage, rust proof and one which will not wear out easily owing to the fact that it is cast of such a thickness to last an indefinite period of time under all conditions of care and usage, comparatively cheap in manufacture and highly efficient for the purpose intended.

A further object of the invention is to provide a cast one piece aluminum wash-board having a perfectly smooth back, and having a portion of its front face corrugated to provide a rubbing surface.

A still further object of the invention is to provide side walls for the rubbing surface of the wash-board, and to provide a water and suds drain between the side walls and the ends of the corrugations of the rubbing surface of the wash-board.

A still further object of the invention is to materially reinforce the supporting legs of the wash-board by connecting same with the lower edge of the rubbing surface.

A still further object of the invention is to provide a wash-board with a plurality of spaced soap supporting shelves so as to provide adequate drains for the soap shelves and to permit the soap to be readily grasped for removal from the soap shelves.

With the above and other objects in view, the invention comprises a single piece cast aluminum wash-board consisting in the novel features of construction or formation, arrangement and combination of integral parts hereinafter more fully described and finally pointed out in the claims hereto appended.

Referring to the accompanying drawings forming a part of this specification wherein like characters of reference denote similar parts throughout the several views:

Fig. 1, is a perspective view of a cast single piece aluminum wash-board constructed in accordance with our invention.

Fig. 2, is a side elevation of the wash-board.

Fig. 3, is a vertical sectional view of the wash-board.

Fig. 4, is a front elevation of a portion of the wash-board.

Fig. 5, is a transverse sectional view of the wash-board taken in line 5—5, of Fig. 1.

In carrying out the aim of our present invention, we cast the wash-board from aluminum so as to form a one-piece wash-board.

The wash-board consists of the top plate 1 having a smooth back and front face. The upper edge of the top plate 1 is provided with an integral forwardy directed breast plate, or rib 2. The front face of the top plate 1 is provided near its lower end with a plurality of integral semi-circular soap rests 3 which are directed forwardly from the plate and spaced a suitable distance apart so as to provide the finger spaces 4, which also act as drains for the soap rests, or shelves.

Integral with the lower end of the top plate 1, is a rubbing plate 5 having its back face perfectly smooth and in a plane with the back of the top plate 1, and having its front face provided with a multiplicity of spaced rubbing ribs 6 to provide a corrugated clothes rubbing surface, as clearly shown in Figs. 1 and 3 of the drawings.

7 indicates the side rails, or walls which are integral with the top plate 1 and the rubbing plate 2. These rails or walls are directed forwardly a suitable distance from the front faces of the top plate 1 and the rubbing plate 5 and become higher from the front faces of the plates as they near the lower edge 8 of rubbing plate 5, as clearly shown in Figs. 1 and 3.

The side rails or walls 7 terminate at their lower ends in the supporting legs 9, which are wider at their lower ends than at their upper ends to give them strength, and the lower face of each leg 9 is curved, as at 10,

so as to avoid sharp edges to engage the bottom of a wash-tub. The upper end of each leg 9 is provided with the reinforcing section 11 which unites the lower corners of the rubbing board with the inclined inner faces 13 of the legs 9 to further strengthen the supporting legs 9. The inclined faces 13 of the legs 9 direct the draining water and suds discharged from the gutter sections toward the center of a tub below the board.

The ends of the rubbing ribs 6, which form the rubbing surface for the wash-board, terminate a suitable distance from the inner faces of the side rails or walls 7, so as to provide a substantial drain 12 at either end of the corrugations of the rubbing plate. These drains 12 lie in a plane with the top plate and the rubbing plate 5 and at their lower ends the water and suds are directed inwardly due to the inclined inner face 13 of each supporting leg 9, as clearly shown in Fig. 4. The fact that the rails or walls 7 become gradually higher as they near their lower ends, or, in other words have the upper faces inclined from above downward, it is evident that the outer walls of drains naturally become higher and the drains become deeper.

It is evident from the foregoing description, that we have designed a board, which when cast in a single piece from aluminum, will be light, strong and last indefinitely as there are no parts that can easily or quickly wear out with the hardest of use.

The many advantages of the herein described invention will readily suggest themselves to those skilled in the art to which it appertains.

We do not desire to be understood as limiting ourselves to the exact details of construction and arrangement as herein described and illustrated, as it is manifest that variations and modifications may be made without departing from the spirit and scope of our invention and the terms of the following claim, hence we wish it to be understood that we reserve the right to make any such changes, or modifications as may fairly fall within the scope of the appended claim when fairly construed.

What we claim is:

In a wash-board structure, a top section, a plurality of spaced flat semi-circular soap rests for said section, a rubbing section, drain sections to the sides of the rubbing section, said drain sections having their walls each provided with an inclined upper face for gradually deepening the drain sections from their upper ends toward their discharge ends, said walls terminating in supporting legs having their upper faces in a plane with the upper faces of said walls, said legs having their inner faces inclined for gradually widening the lower ends thereof and reinforcing sections uniting the lower corners of the rubbing section with the inclined inner faces of the supporting legs.

In testimony whereof, we have hereunto signed our names to the specification.

CARL A. KUMMERMEHR.
JACOB SCHILLING.