Feb. 11, 1936. V. J. RICHARDS ET AL 2,030,182

SOAP SHREDDER

Filed Dec. 14, 1934

Fig. 1.

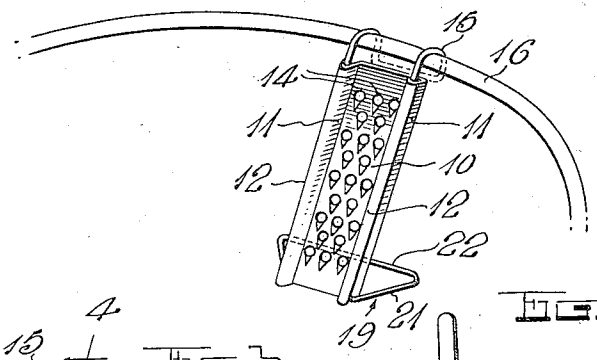


Fig. 2.

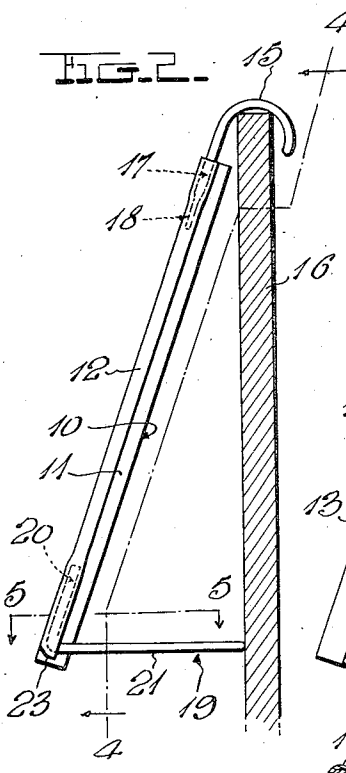


Fig. 3.

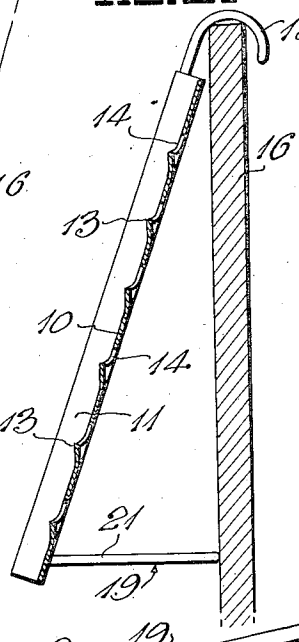


Fig. 4.

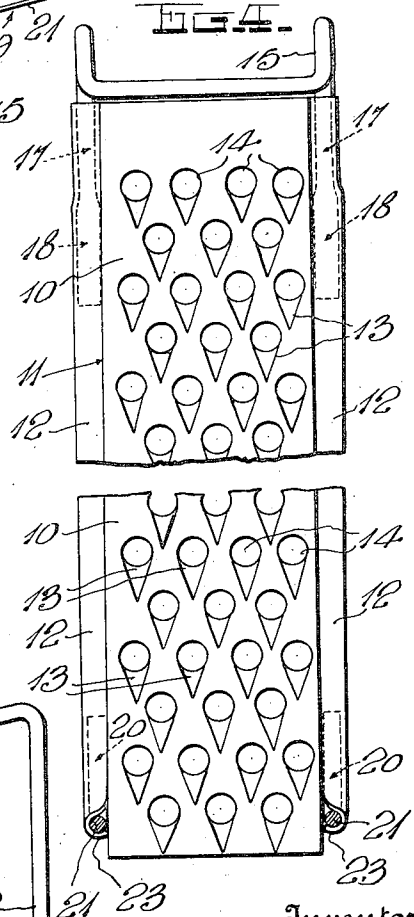
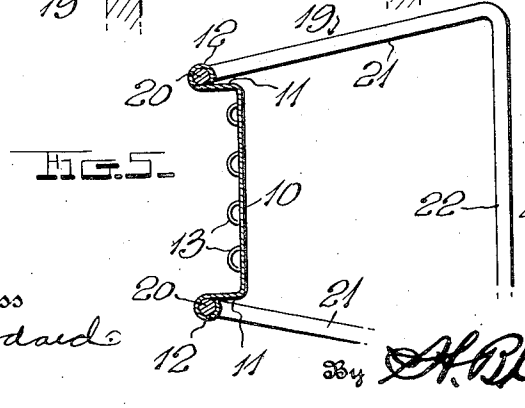


Fig. 5.



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UNITED STATES PATENT OFFICE

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SOAP SHREDDER

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Application December 14, 1934, Serial No. 757,578

1 Claim. (Cl. 146—177)

The invention aims to provide a simple, safe, convenient and efficient device for engagement with the side wall of a wash tub, clothes boiler, washing machine tub, or the like for use in shredding bar soap. The bar of soap is vertically reciprocated upon the device to produce the required shredding and it is a further object of the invention to provide a novel construction for holding the shredding plate not only in a convenient inclined position, but for preventing said plate from tilting laterally in use, with danger of the shredding means injuring the user's hand.

With the foregoing in view, the invention resides in the novel subject matter hereinafter described and claimed, description being accomplished by reference to the accompanying drawing.

Fig. 1 is a perspective view showing the shredder engaged with a tub wall.

Fig. 2 is a side elevation and Fig. 3 is a vertical section also showing the shredder engaged with the tub wall.

Fig. 4 is a rear elevation partly in vertical section as indicated by the line 4—4 of Fig. 2.

Fig. 5 is a horizontal sectional view on line 5—5 of Fig. 2.

A preferred construction has been illustrated and will be specifically described, with the understanding however that within the scope of the invention as claimed, minor variations may be made.

A relatively long and narrow vertically elongated plate 10 is provided, said plate being of sheet metal and being bent to provide it with parallel side flanges 11 for guiding a bar or cake of soap standing on edge or on end. The edges of the flanges 11 are outwardly rolled to provide tubular reinforcing beads 12. The body of the plate 10 is provided with appropriate shredding means such as the channel-shaped cutters 13 with the openings 14 at their upper ends. A suspending hook 15, formed from a single length of wire is provided to engage the upper edge of a receptacle wall 16, said hook 15 having parallel attaching shanks 17 which are suitably secured in the upper ends of the beads 12. The free ends of the shanks 17 may well be flattened as denoted at 18 and the beads may be tightly pressed upon these flattened portions to prevent slipping of the hook from engagement with the plate.

A spacing member 19 projects rearwardly from the lower end of the plate 10 to a greater extent than that to which the hook 15 projects rearwardly from the upper end of said plate, said spacing member 19 being adapted to bear against the receptacle side wall 16 to hold the plate 10 in a convenient and safe inclined position for use. The width of the member 19 is considerably greater than the width of the plate 10 so that said member serves to effectively hold said plate against lateral tilting during use. Danger of the device slipping therefore and causing the shredding means to injure the user's hand, is effectively overcome.

The spacing member 19 in the present disclosure is formed from a single length of wire having parallel attaching shanks 20 secured in the lower ends of the tubular beads 12. This spacing member comprises the shanks 20, a pair of arms 21 integral with and projecting rearwardly from the lower ends of said shanks, and a cross bar 22 integrally connecting the rear ends of said arms. The arms 21 diverge rearwardly from the plate 10 and the cross bar 22 is of a length much greater than the width of said plate so that the latter is effectively held against lateral tilting as above explained.

To hold the shanks 20 against sliding from the tubular beads 12, the lower ends 23 of these beads may well be bent snugly around the portions of the arms 21 contiguous to said shanks 20.

It will be seen from the above that a novel device has been provided for carrying out the objects of the invention. While the preferred structure has been disclosed, attention is again invited to the possibility of making minor variations within the scope of the invention as claimed.

We claim:

A spacer for the lower end of a suspensible member having tubular inclined beads along its edges; said spacer comprising a single length of wire having a substantially straight horizontal intermediate portion to abut a wall from which said member is suspended, two substantially straight and horizontal arm portions bent laterally in the same direction from the ends of said intermediate portion, said arm portions converging from said intermediate portion to the lower ends of said tubular beads, and two inclined shank portions bent upwardly at acute angles from the ends of said arm portions, said shank portions being secured in said lower ends of said tubular beads.

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