July 31, 1945. M. C. WHITE 2,380,892

SOAP PRESERVER

Filed May 15, 1944

Fig. 3.

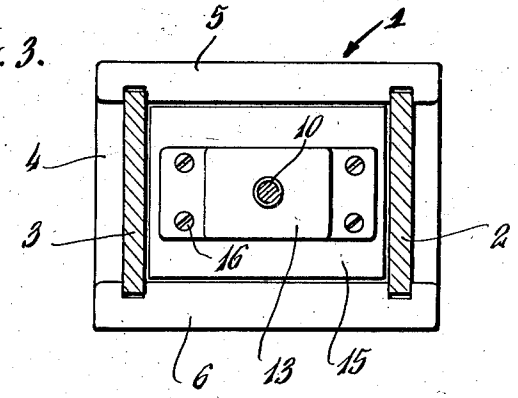


Fig. 1.

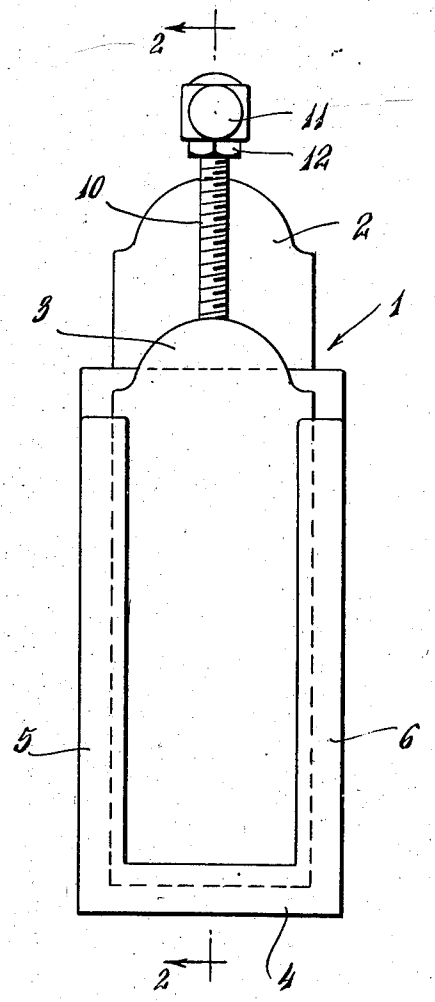
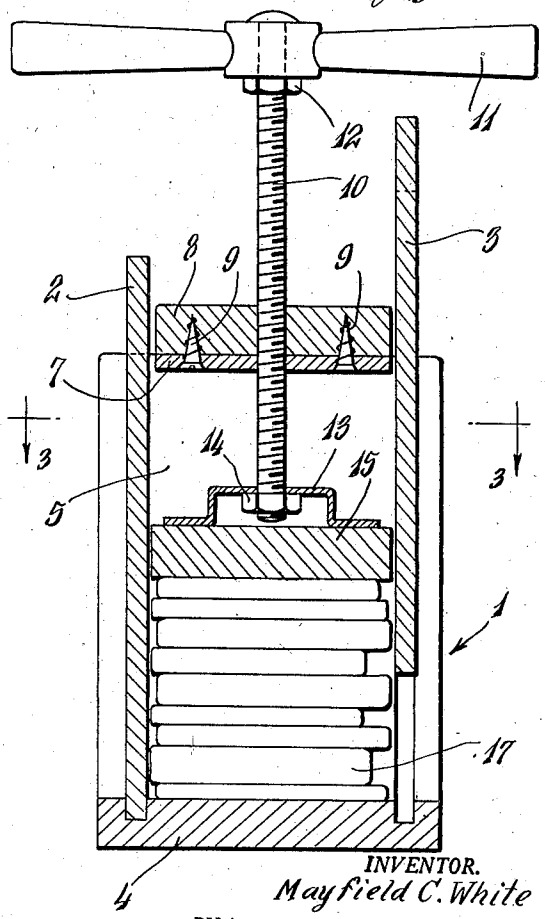


Fig. 2.



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SOAP PRESERVER

Mayfield C. White, New York, N. Y.

Application May 15, 1944, Serial No. 535,570

1 Claim. (Cl. 25—7)

My invention relates to improvements in soap saving devices and, more specifically, to a new and improved soap preserver which will enable housewives and other individual soap consumers to transform small remnants of used bars of soap into a new handy bar of soap which is of a substantial size.

The main object of the present invention is the provision of a device of the character described which is light in weight and simple in construction and operation, yet which is sturdy and well adapted to withstand the rough usage to which such devices are ordinarily subjected.

Further objects of the instant invention reside in any novel feature of construction or novel combination of parts present in the embodiment of the invention described and shown in the accompanying drawing whether within or without the scope of the appended claims and irrespective of other specific statements as to the scope of the invention contained herein.

In the drawing:

Figure 1 is a side elevation of a preferred embodiment of my invention;

Fig. 2 is a sectional view on the line 2—2 of Fig. 1; and

Fig. 3 is a cross-section on the line 3—3 of Fig. 2.

Similar numerals refer to similar parts throughout the several views.

The numeral 1 denotes a sturdy box of wood, plastic material or the like having a bottom portion 4, two side portions 5 and 6, and a top portion 8. The inner sides of the side portions 5 and 6 are provided with longitudinal grooves in which plates 2 and 3 can be slid up and down. A metal plate 7 having a threaded hole in its center is secured to one side of the top plate portion 8 by means of screws 9 or the like, and a threaded spindle 10 engaging said threaded hole in plate 7 is extended through plate 7 and through the top portion 8 of box 1, as may be seen in Fig. 2. A handle 11 is non-rotatably secured to the upper end of spindle 10 by means of a nut 12 or in any other suitable manner. A pressure plate 15 is carried by the lower end of spindle 10 and is held thereon by any suitable means, for instance by means of a bent member 13 secured to the pressure plate 15 by means of screws 16 (Fig. 3) and by a nut 14.

The box 1 is so dimensioned that a bar of soap of the usual size, when placed flat upon the upper side of the bottom portion 4, will just touch the inner sides of the side portions 5 and 6 and of the closure plates 2 and 3 when the latter are fully inserted in the device. In normal usage the device serves first as a handy container in which small remnants of bars of soap or soap pieces the size of which has been reduced by usage to such an extent that they tend to slip out of the hand and that they are no longer of any practical use, can be preserved in an orderly manner so that such soap remnants no longer will lie around in the kitchen or in the bathroom. While the device is being used as a container as previously referred to, the pressure plate 15 is adjacent to the top portion 8, thus leaving sufficient space for the collection of said soap remnants 17. When the box is full, both plates 2 and 3 are shifted down toward the bottom portion 4 so that the soap remnants 17 are completely enclosed within box 1. Then the spindle 10 is turned so that the pressure plate 15 presses strongly upon the soap pieces 17, thereby forming them into one solid piece or bar of soap which has the shape of the interior of the lower part of box 1. After said solid piece of soap has been molded within box 1 in the manner just described, the pressure plate 15 is moved upwardly and both plates 2 and 3 are removed from box 1 so that the box 1 is open at two opposite sides. The newly formed bar of soap, which will stick slightly to the bottom portion 4 and to the side portions 5 and 6, can then be removed easily from box 1 by pushing it out in exerting pressure upon it from one side, so that it will slip out of the opposite open side of box 1.

While there has been shown and described and pointed out the fundamental novel features of the invention as applied to a single modification, it will be understood that various omissions and substitutions and changes in the form and details of the device illustrated and in its operation may be made by those skilled in the art without departing from the spirit of the invention. It is the intention, therefore, to be limited only as indicated by the scope of the following claim.

What I claim as my invention and desire to secure by Letters Patent in the United States is:

A soap preserver comprising a sturdy box which is open at two opposite sides and which has a bottom, two opposite side walls the inner sides of both extremities of which are provided with vertical grooves, and a top whose width is less than the distance between the grooves in one of said side walls; two plates which are longer than said side walls and which engage said grooves and are adapted to close said box; a plate having a threaded aperture in its center and being secured to the lower side of said top; a threaded spindle having a handle at its upper portion and extending through said top and through said threaded aperture and engaging the latter; and a pressure plate attached to the lower end portion of said spindle and being adapted to be reciprocated within said box and to press firmly against its bottom, all substantially as described.

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