April 3, 1928.

1,664,736

I. P. CREAMER ET AL

SOAP BOX

Filed Oct. 18, 1926

Fig. 1.

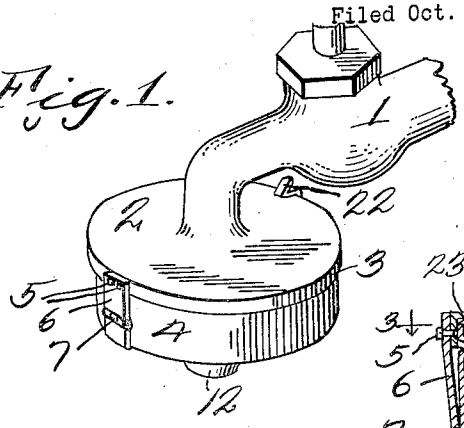


Fig. 2.

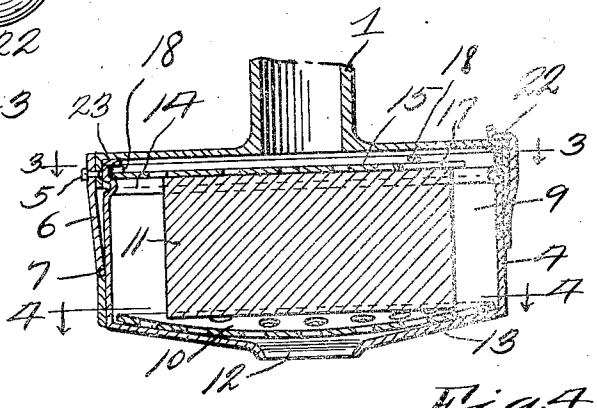


Fig. 3.

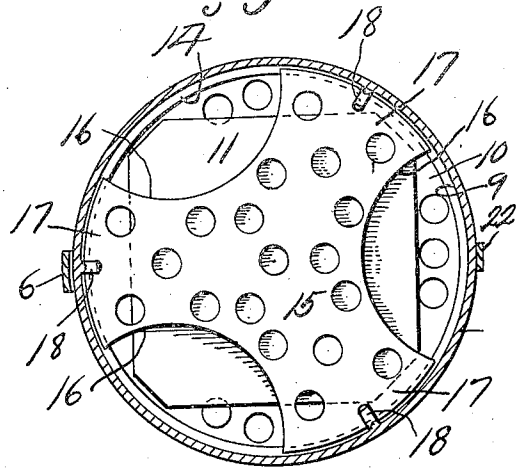
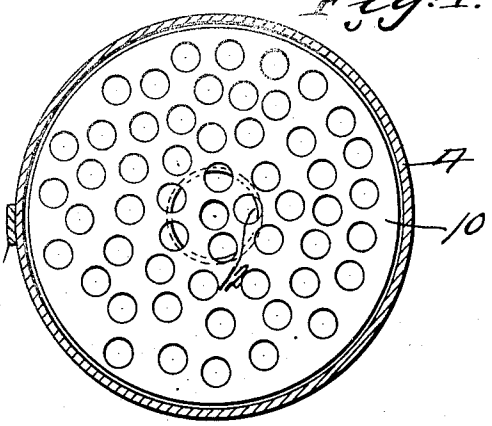


Fig. 4.



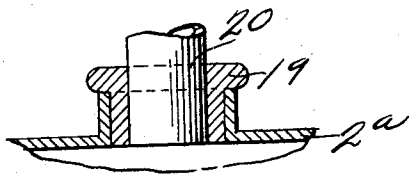


Fig. 5.

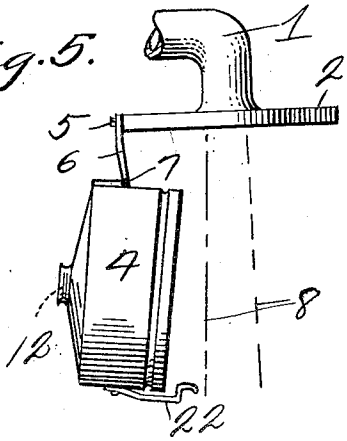


Fig. 6

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UNITED STATES PATENT OFFICE.

ISAAC P. CREAMER AND FREDERICK JOSEPH, OF NEW YORK, N. Y.

SOAP BOX.

Application filed October 18, 1926. Serial No. 142,451.

The invention relates to soap boxes of the type used in connection with faucets and through which water passes to a soap compartment thereby soaping the water, and from which compartment the soapy water is discharged.

A further object is to connect the hinge leaf carried by the cover to the side of the body member at a point below the horizontal center of the body member whereby when said body member is in open position, it will incline outwardly to a position where it will not be engaged by water discharged from the faucet.

A further object is to provide a perforated plate detachably mounted within the upper end of the body for holding the soap in the chamber of the body particularly when the body is in open position.

A further object is to provide the upper end of the body member with an inwardly struck annular bead on which the perforated disc is disposed and the disc with recesses in the sides thereof, thereby forming extensions which engage the upper sides of the rib and the recesses form finger engaging members for partially rotating the disc until the projections are disposed beneath lugs carried by the body member.

Also to provide a concaved perforated disc in the bottom of the body member and on which disc the corners of an angularly shaped piece of soap rests, thereby allowing passage of water beneath the lower edges of the soap.

A further object is to detachably connect the hinge leaf to the cover, whereby upon damage to the body member, particularly when the cover is formed integral with a spigot a new body member can be placed on the device.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawing, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings:

Figure 1 is a perspective view of the soap box.

Figure 2 is a vertical transverse sectional view through the soap box.

Figure 3 is a horizontal sectional view taken on line 3—3 of Figure 2.

Figure 4 is a horizontal sectional view taken on line 4—4 of Figure 2.

Figure 5 is a side elevation of the soap box showing the same in open position.

Figure 6 is a vertical transverse sectional view through a portion of the cover showing the same provided with a yieldable bushing for receiving a faucet end.

Referring to the drawing, the numeral 1 designates a conventional form of faucet, and 2 the cover of the soap box formed integral therewith. Cover 2 is provided with an annular flange 3 which receives therein the upper end of the body 4 of the soap box. Detachably connected to the flange 3 at one side thereof by means of bolts 5 is a hinge leaf 6, which hinge leaf is connected at 7 to the body 4 of the box. It will be noted that the hinging point 7 is below the horizontal center of the body 4 and forms means whereby when the body 4 is in open position, as shown in Figure 5, said body will incline downwardly and outwardly to a position where it will be out of the path of the water stream 8 discharged from the faucet 1, consequently will not interfere with the free flow of water. Disposed within the lower end of the chamber 9 of the body member 4 is a concaved perforated disc 10, through the perforations of which water passes after taking up soap from the cake of soap 11. By forming the perforated disc 10 concaved as shown and using a square cake of soap 11, it will be seen that the corners of the cake of soap will engage the perforated disc 10 and water can pass under the straight side edges of the soap, therefore it will be seen that the water engages substantially the entire surface of the soap in its passage to the discharge opening 12. The bottom 13 of the body 4 tapers downwardly and inwardly, thereby forming a seat for the concaved perforated disc 10, and as the disc 10 is curved and the bottom 13 straight, it is obvious that water will pass through the perforations of the disc 10.

The upper end of the body 4 is provided with an inwardly extending annular bead 14, preferably struck inwardly, and on which bead the upper perforated disc 15 rests. Disc 15 is provided with spaced recesses 16 in its sides and which recesses form finger receiving spaces whereby said disc may be

partially rotated after the projections 17 thereof are placed on the annular bead 14. The partial rotating of the disc allows the extension 17 to be forced under the lugs 18 extending into the chamber 9 above the bead 14 and where they will be frictionally held, thereby preventing the disc 15 from dropping out of the chamber 9 when the body 4 is in open position, and at the same time holds the cake of soap.

Referring to Figure 6 wherein a modified form of cover 2^a is shown, said cover is provided with a yieldable bushing 19 which receives the discharge end 20 of a faucet and is particularly adapted for use where the soap box is sold as a separate unit, instead of a part of the faucet as shown in Figure 1. A spring catch 22 is preferably provided on the body 4 which catch cooperates with the cover 2 for detachably holding the device in closed position.

From the above it will be seen that a soap body is provided which is simple in construction, the parts reduced to a minimum and one which may be cheaply manufactured and sold.

A washer 23 is preferably interposed between the cover 2 and the upper end of the body 4 for forming a water tight connection. Although a square cake of soap 11 is shown, it is to be understood a round cake may be used if desired, or small pieces of soap or chips.

The invention having been set forth what is claimed as new and useful is:

1. A soap box of the character described comprising a cover having a water intake port therein, a body member carried by said cover, a disc disposed within the body member and having perforations therein, an inwardly extending bead carried by the body member adjacent its upper end, spaced lugs carried by said body member and extending inwardly above the bead, a perforated disc having extensions, said extensions engaging the upper side of the bead and frictionally held beneath the lugs.

2. The combination with a soap box of the character described, of a bead disposed within the upper end of the body, a perforated disc disposed on said bead, extensions carried by said disc and forming finger receiving recesses, said extensions engaging the upper side of the bead and lugs carried by the body member and overlying the upper sides of the extensions.

In testimony whereof we hereunto affix our signatures.

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