H. W. REMINGTON.

SOAP CONTAINER.

APPLICATION FILED DEC. 26, 1914.

1,194,545. Patented Aug. 15, 1916.

Fig. 1.

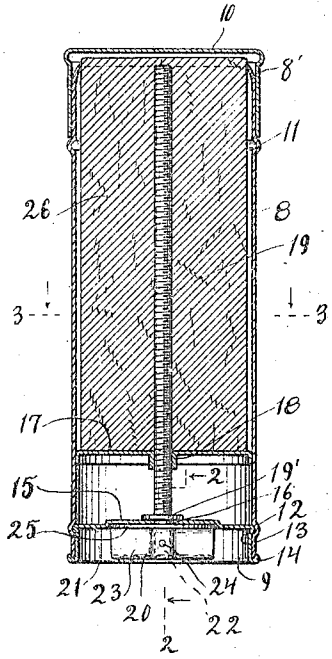


Fig. 2.

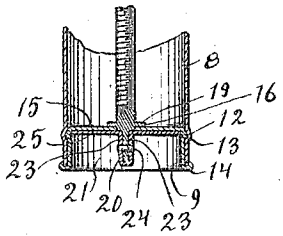


Fig. 4.

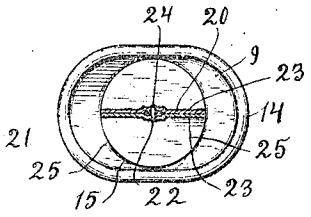


Fig. 3.

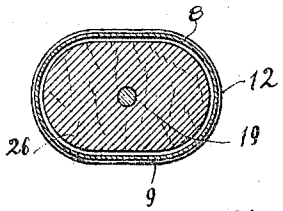


Fig. 5.

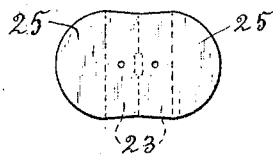
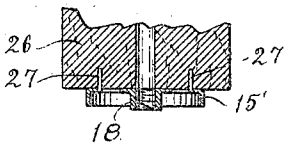


Fig. 6.



WITNESSES

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SOAP-CONTAINER.

1,194,545. Specification of Letters Patent. Patented Aug. 15, 1916.

Application filed December 26, 1914. Serial No. 879,198.

To all whom it may concern:

Be it known that I, HORACE W. REMINGTON, a citizen of the United States, and resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented new and useful Improvements in Soap-Containers, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

This invention relates to improvements in soap containers and more particularly to containers for holding stick soap preferably used for shaving purposes.

It is one of the objects of the present invention to provide a soap container adapted to contain a stick of soap adjustably positioned in the container so that one end portion thereof projects from the container a slight distance and may be used for soaping the face in shaving, the container serving as a convenient handle in applying the soap.

A further object of the invention is to provide a stick soap container having means for forcing the soap outwardly as used, the container also being adapted to be easily recharged with soap from time to time.

A further object of the invention is to provide a soap container having means for preventing moisture or water from working into the container or from working down the outer surface of the container to the hands of the user.

A further object of the invention is to provide a soap container adapted to hold an elongated stick of soap of oval form in cross section, the oval formation of the soap serving to prevent the rotation thereof when the means for feeding the soap outwardly is revolved.

A further object of the invention is to provide a soap container having a removable bottom portion which while locking in its closed position to resist the downward pressure of the soap feeding means, may be easily removed for recharging the container.

A further object of the invention is to provide a soap container having a novel form of handle for revolving the soap feeding means.

A further object of the invention is to provide a soap container which is of simple construction, is strong and durable and which may be manufactured at a minimum cost.

With the above and other objects in view the invention consists of the improved soap container and its parts and combinations as set forth in the claim, and all equivalents thereof.

In the accompanying drawing in which the same reference characters indicate the same parts in all of the views: Figure 1 is a central vertical sectional view of the improved soap container; Fig. 2 is a vertical sectional view of the lower portion of the container taken on line 2—2 of Fig. 1; Fig. 3 is a transverse sectional view of the container taken on line 3—3 of Fig. 1; Fig. 4 is an inverted bottom view of the container, parts being in section; Fig. 5 is a top view of the handle blank before it is bent into shape; and Fig. 6 is a vertical sectional view of a modified form of plunger.

Referring to the drawing the improved container comprises the body portion 8, the bottom portion 9 and the top or cover 10. The body portion is of oval form in cross section and is provided with an outer annular drip rib 11 near its upper end and with an inner annular locking recess 12 near its lower end. The upper rib while serving to prevent the moisture from working down to the lower portion of the container also serves as a stop which is engaged by the lower edge of the cover 10.

The bottom portion 9 of the container is in the form of an inverted cup having an outer annular rib 13 around its upper edge which is adapted to snap into the locking recess 12 and removably hold the two parts together. The lower edge portion of the bottom is flanged outwardly and upwardly to overlap the lower edge of the body portion and forms a reinforcing shoulder 14 to be grasped by the user when it is desired to separate the bottom from the body portion. The bottom portion is also provided with a medial recessed portion 15 and a central opening 16, the purposes of which will be later described.

A plunger 17 of oval form is slidably positioned within the body portion of the container and is provided with a depending hub having a threaded opening 18 through which extends a threaded rod 19. This rod has a threaded engagement with the plunger and its lower end portion extends through the opening 16 of the bottom portion and is connected to a handle 20 which is positioned

within the space 21 of the said bottom portion 9. The lower end of the rod is flattened as indicated by the numeral 22 and this flattened portion extends between the bent sides 23 of the handle 20 and is securely fastened thereto by a rivet 24 which passes through said sides and flattened end. The handle is formed from a piece of material blanked in oval form as shown in Fig. 5 and then bent to form the handle portion 20, before mentioned, and the circular flange portion 25 which bears against the bottom 9 within the annular recess 15, the said recessed portion serving as a guide for the flange and the flange serving, in conjunction with the collar 19′ formed on the rod immediately above and resting on the bottom portion, to revolubly secure the threaded rod to the bottom portion. This construction of handle forms comparatively a large bearing surface which holds the rod in upright position.

The upper edge portion 8′ of the body part is converged inwardly to reduce the diameter of the opening and to form comparatively a sharp edge which is engaged by a stick of soap 26 positioned within the container and thus eliminates to a considerable extent the friction between the soap and the container. This stick of soap is also of oval form in cross section and is of a diameter to closely fit the converged edge and forms a close fit so that moisture can not enter the container between the stick of soap and the engaged edge of the container. The stick of soap is adapted to rest upon the plunger with the threaded rod extending into the soap and the upper end of the soap projecting through the upper end of the container. Now as the upper end of the soap is used the handle is turned to rotate the threaded rod and move the plunger and the soap upwardly and the upper end of the soap out of the container so it may be further used. In forcing the stick of soap upwardly the locking feature of the bottom portion of the container will prevent the said bottom portion from working outwardly under strain. In recharging the container the new stick of soap may be mounted on the plunger while the bottom portion is removed from the body portion, or the stick of soap may be pushed into the upper open end of the container when the plunger has been moved to the bottom of the container.

In the modified form shown in Fig. 6 the plunger 15′ is of circular shape and is provided with upwardly bent prongs 27 which are adapted to enter the soap and prevent the plunger from turning independently of the soap so that when used with a stick of soap which cannot be turned in the container, will permit the rod to be threaded in and out of the plunger.

From the foregoing description it will be seen that the soap container is of simple construction and is well adapted for the purpose desired.

What I claim as my invention is:

A soap container comprising a body portion of oval form in cross section having an inwardly flaring upper open end and with a lower open end, an inverted cup shaped bottom piece, provided with a rib, said bottom piece positioned within the lower open end of the body portion, the lower inner portion of said container being provided with a groove for receiving the rib on the bottom piece, thereby locking the said bottom piece to the container, a non-rotatable plunger positioned within the body portion, a threaded rod extending through the plunger and having a threaded engagement therewith, said rod also revolubly extending through the bottom portion and provided with a collar which bears upon the bottom portion, and a handle positioned within the bottom portion and secured to the lower end of the rod and having a flange which bears against the lower surface of the bottom.

In testimony whereof, I affix my signature in presence of two witnesses.

HORACE W. REMINGTON.

Witnesses:

A. C. ROSSBACH,

C. H. KEENEY.