

H. W. REMINGTON.
SOAP CONTAINER.
APPLICATION FILED AUG. 21, 1915.

1,322,729.

Patented Nov. 25, 1919.

Fig. 1.

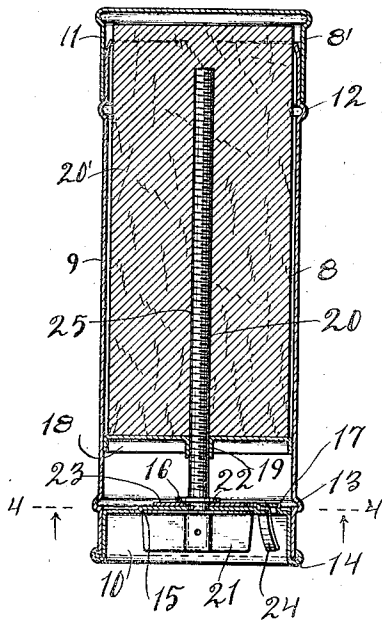


Fig. 3.

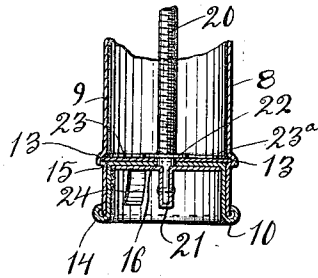


Fig. 4.

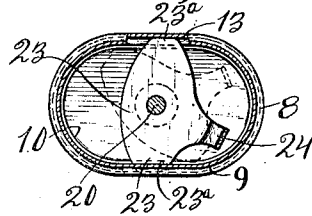


Fig. 2.

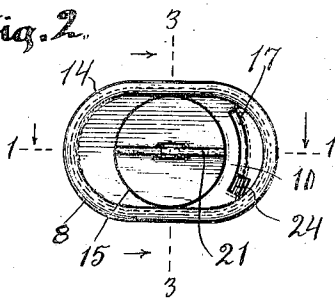
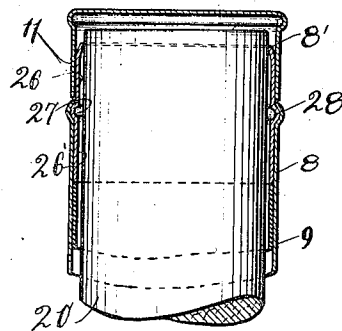


Fig. 5.



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SOAP-CONTAINER.

1,322,729.

Specification of Letters Patent.

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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 soap containers for holding soap in stick form, preferably used for shaving purposes.

Soap containers now on the market are usually sold with the stick of soap contained therein, and as the containers of the better class are comparatively expensive to manufacture the total cost of the soap and its container is unnecessarily high as the ordinary containers in practice have been found not adapted for use with more than one stick of soap, due to the fact that when the containers were taken apart to insert new sticks of soap it was found that when reassembled the container parts would loosely fit and tend to separate in feeding the soap as used. This feature was found very objectionable as it prevented the manufacturer from selling a plurality of sticks of soap to be used with one container and thereby increased the cost of the soap to the users.

It is one of the objects of the present invention to overcome the before mentioned objectionable feature and provide a soap container which may be recharged any number of times without the liability of the parts becoming accidentally separated or loosened.

A further object of the invention is to provide a soap container formed of a plurality of parts in which some of the parts are removably locked together.

A further object of the invention is to provide a soap container which is of simple construction, is strong and durable and is well adapted for the purpose described.

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 claims, 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 vertical sectional view of the improved soap container;

Fig. 2 is a bottom view thereof;

Fig. 3 is a vertical sectional detail view of the container taken on line 3—3 of Fig. 2;

Fig. 4 is a transverse sectional view taken on line 4—4 of Fig. 1; and,

Fig. 5 is a vertical sectional detail view of a modified form of container top.

Referring to the drawing the numeral 8 indicates the improved soap container which comprises the body portion 9, the bottom portion 10 and the top or cover 11. The body portion is of oval form in cross section and is provided with an outer annular drip rib 12 near its upper end and with an inner annular locking recess 13. 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 11.

The bottom portion 10 of the container is in the form of an inverted cup with its lower edge flanged outwardly and upwardly to overlap the lower edge of the body portion and form a reinforcing shoulder 14 to be grasped by the user in removing the bottom portion from the body portion. The bottom portion 10 is also provided with a medial recessed portion 15, a central opening 16 and a curved elongated slot 17 concentric with relation to the central opening 16. In forming the curved elongated slot the metal of the inner edge of the slot is cut and the metal of the width of the slot is forced upwardly to partly cover the elongated opening. The purpose of these openings and the recessed portion will be later described.

A plunger 18 of oval form is slidably positioned within the body portion of the container and is provided with a depending hub having a threaded opening 19 through which extends a threaded rod 20. 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 21 which is positioned within the space 15 of the said bottom 10. The threads of the rod and plunger are left-handed so that by turning the handle 21

clockwise, to the right, the plunger and the stick of soap 20' resting thereon will be advanced upwardly and the upper end of the soap will be forced out of the upper end of the container. A collar 22 mounted on the rod a slight distance above the bottom portion 10 holds the rod revolubly in position with relation to said bottom portion.

A locking member 23 revolubly mounted on the rod 20 and interposed between the bottom 10 and the collar 22 is provided with opposite segmental locking portions 23^a which turn into the annular recess 13 of the body portion and securely lock the bottom to the body portion. The locking member 23 is provided with a downwardly inclined handle portion 24 which extends through the curved elongated slot 17 of the bottom portion to a position adjacent the side thereof to be easily turned by the user. It will be noted that the peripheral edges 23^a of the locking member 23 extend in straight lines which coincide with the flat sides of the body portion. This construction provides for frictionally holding the locking member in locking position, and when in locking position the handle is at the rear end of the slot, that is to say, the end farthest from the direction of rotation of the rod, so that if the fingers of the user should accidentally strike the locking member handle in turning the rod handle, the said locking member would not be accidentally swung to open position.

The upper edge portion 8' of the body portion is converged inwardly to reduce the diameter of the opening and forms comparatively a sharp edge which is engaged by the stick of soap 20' 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 form a close fit so that moisture cannot enter the container between the stick of soap and the engaged edge of the container.

The sticks of soap are provided with central longitudinally extending openings or recesses 25 into which the threaded rod is inserted when the container is charged. The stick of soap rests upon the plunger and the upper end of the soap projects through the upper end of the container. Now as the soap is used the rod handle is turned from time to time 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 member of the container will prevent the bottom portion of the container from working outwardly under strain.

In recharging the container the locking member is swung to unlocking position and the bottom portion including the threaded

rod is withdrawn from the body portion of the container. The plunger is then turned downwardly to its lowermost position and the new stick of soap is placed on the rod and plunger and the bottom portion is then replaced within the body portion and the locking member turned to locking position.

In the modified form shown in Fig. 5 the upper end portion 26 of the body portion is formed as a separate part and is connected thereto by sliding its lower end portion 26' into the upper end of the body portion. The said separate part is provided with an annular rib 27 which enters the annular recess 28 at the upper end of the body portion and removably locks the parts together. The space between the body portion and the stick of soap below the separate part is preferably lined with paper to prevent the soap from contacting with the body portion in the event that the said body portion be formed of metal which would deleteriously affect the soap.

This last mentioned form is provided for recharging the container from the upper end.

From the foregoing description it will be seen that the improved container may be easily recharged any number of times in a very simple manner.

What I claim as my invention is:—

1. A soap container, comprising an open ended body member having a groove forming a shoulder on its lower inner side portion, a non-rotatable plunger positioned within the body member, a bottom member removably closing the lower open end of the body member, a rod threaded through the plunger and revolubly carried by the bottom member for forcing a stick of soap resting on the plunger through the upper open end of the body member, and a movable locking member engageable with the shoulder of the body member to lock the bottom member to the body member against movement when subjected to the reaction of forcing the stick of soap through the upper opening of the body member.

2. A soap container, comprising an open ended body member having a groove forming shoulders on its lower inner opposite side portions, a non-rotatable plunger positioned within the body member, a recessed bottom member freely removably closing the lower open end of the body member, a rod threaded through the plunger and revolubly carried by the bottom member for forcing a stick of soap resting on the plunger through the upper open end of the body member, said rod extending through the bottom member and having a handle portion positioned within the recessed portion of the bottom member, and a revoluble locking member carried by the bottom member and engageable with the shoulders of the body member to lock

the bottom member to the body member against movement when subjected to the reaction of forcing the stick of soap through the upper opening of the body member.

5 3. A soap container, comprising a body portion having an upper and a lower open end, a non-rotatable plunger slidably positioned within the body portion, a recessed and slotted bottom member closing the
10 lower end of the body portion, a member locking the bottom member to the body portion and having a handle portion which projects through the slot and into the recess of said bottom member, a rod threaded
15 through the plunger and revolubly carried by the bottom member, and means within the recess of the bottom member and connected to the rod for turning said rod.

4. A soap container, comprising a body
20 portion having an upper and a lower open end, and shouldered portions, a non-rotatable plunger slidably positioned within the body portion, an inverted recessed bottom member extending into the lower open end
25 of the body portion, said bottom member having a central opening and an elongated slot curved concentrically with relation thereto, a rod extending through the central opening and having a threaded engagement with the plunger, a handle portion
30 mounted on the lower end of the rod and positioned within the recess of the bottom member, and a locking member mounted on the bottom member and surrounding
35 the rod and having portions which engage the shoulders of the body portion and a handle portion which projects through the elongated slot.

5. A soap container, comprising a body
40 portion having an upper and a lower open end and shouldered portions, a non-rotatable plunger slidably positioned within the body portion, an inverted recessed bottom member extending into the lower open end
45 of the body portion, said bottom member having a central opening and an elongated slot curved concentrically with relation thereto, a rod extending through the central opening and having a threaded engagement with the plunger, a handle portion
50 mounted on the lower end of the rod and positioned within the recess of the bottom member, a collar mounted on the rod above the bottom portion, and a locking member
55 revolubly surrounding and interposed between the collar and the bottom member and having portions which engage the shoulders

of the body portion and also having a handle portion which projects through the elongated slot.

6. A soap container comprising a body
60 portion of oval form in cross section and having an upper and a lower open end, and a locking recess, a non-rotatable oval shaped plunger slidably positioned within the body
65 portion, an inverted recessed bottom member closing the lower open end and having a central opening and an elongated slot curved concentrically with relation thereto, a rod threaded through the plunger and
70 extending revolubly through the central opening of the bottom member and having a handle mounted on its lower end which is within the bottom member recess, a collar mounted on the rod above the bottom member, and a member revolubly mounted on
75 the rod between the collar and the bottom member and having edge portions which enter the locking recess of the body member and also having a handle portion which extends through the elongated slot of the bottom member.

7. A soap container, comprising a body
portion of oval form in cross section and
85 having upper and lower open ends and a locking recess in the opposite sides of the body portion, a non-rotatable oval shaped plunger slidably positioned within the body portion, an inverted recessed bottom member removably closing the lower open end
90 and having a central opening and an elongated slot curved concentrically with relation thereto, a rod extending through the central opening of the bottom member and having a threaded engagement with the
95 plunger, the portion of the rod within the recess of the bottom member provided with a handle, a collar mounted on the rod above the bottom member, and a locking member journaled on the rod and interposed between the collar and the bottom portion
100 and having a handle portion which projects through the elongated slot, said locking member having locking edges which extend in straight lines and enter the locking recesses when the locking member is turned to
105 a position coinciding with the short axis of the body portion and disengages said recesses when the locking member is turned in a direction toward the long axis of said
110 body portion.

In testimony whereof, I affix my signature.

HORACE W. REMINGTON.