Dec. 18, 1928. 1,695,625

H. W. WILD

LIP STICK CONTAINER

Filed May 27, 1927

Fig. 1.

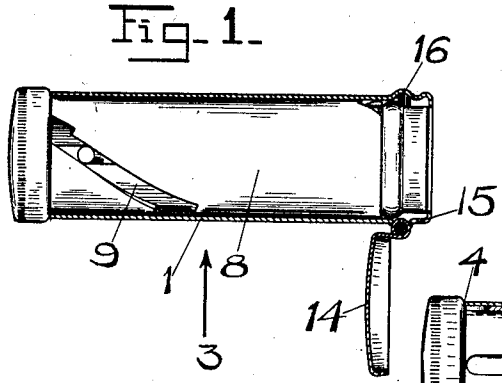


Fig. 2.

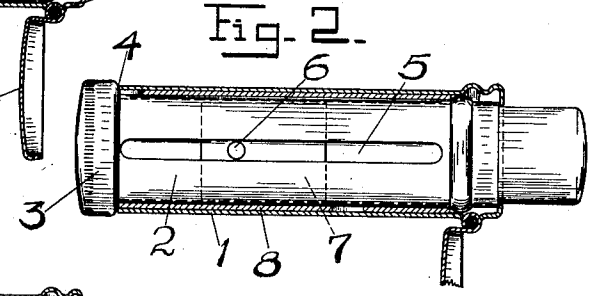


Fig 3

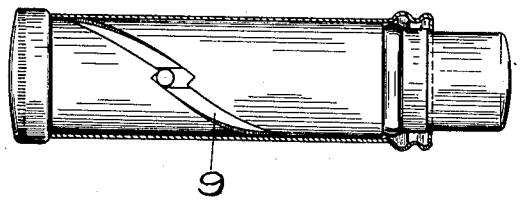


Fig. 4.

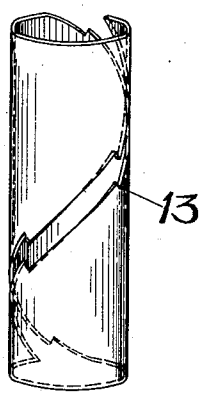
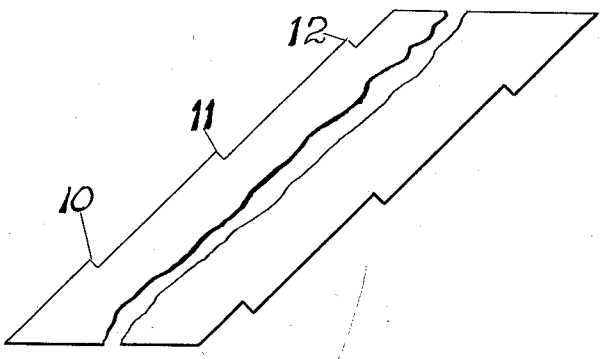


Fig. 5.



Inventor
Henry W Wild
By his Attorneys
Philipp Sawyer Rice Kenyon

Patented Dec. 18, 1928. 1,695,625

UNITED STATES PATENT OFFICE.

HENRY W. WILD, OF WATERBURY, CONNECTICUT, ASSIGNOR TO SCOVILL MANUFACTURING COMPANY, OF WATERBURY, CONNECTICUT, A CORPORATION OF CONNECTICUT.

LIP-STICK CONTAINER.

Application filed May 27, 1927. Serial No. 194,555.

This invention relates to certain improvements in holders for lipsticks and similar cosmetic preparations.

In certain types of holders for cosmetics, such as lipsticks, there is provided an outer casing in which is located a rotatable tube provided with a longitudinal slot, in which tube is located a holder for the cosmetic, this holder having a projection passing through a slot formed in the wall of the tube. This slot engages a helix or sleeve having a helical groove, so that by the rotation of the tube the holder is moved back and forth in the casing. It is desirable in this class of cosmetic holders that the cosmetic be prevented from being forced back into the container during use, and a construction has been proposed in which shoulders are formed in the walls of the helix, against which the projection on the holder is forced upon pressure applied to the cosmetic in the holder, thus stopping backward movement of the holder until the projection has been freed from the shoulder. These containers, and particularly the small containers for lipsticks, must be made so that they can be produced and assembled cheaply in large quantities. In the type of container just referred to, difficulty has often been experienced by the sleeve being inserted in the casing wrong end to during assembly, so that the shoulders are in the wrong position to effect their function.

It is the especial object of the present invention to produce an improved construction in which the member carrying the stops or shoulders may be inserted in the casing either end up, so that there will be no chance for the sleeve to become misplaced, due to carelessness, during assembly.

With this and other objects not specifically referred to in view, the invention consists in certain novel parts, arrangements and combinations which will be described in connection with the accompanying drawings and the novel features pointed out in the claims annexed hereto.

In these drawings,—

Figure 1 is a sectional view of the container, the container being shown open and the cosmetic withdrawn into the container;

Figure 2 is a view similar to Figure 1 showing the cosmetic protruded for use;

Figure 3 is a similar view to Figure 1 looking in the direction of arrow 3 of that figure;

Figure 4 is a detail view showing one form of propeller which may be employed for protruding the cosmetic stick, and

Figure 5 is a broken development view of the same.

Referring now to these drawings, which show the preferred form of the container on a large scale, there is provided an outer casing 1 open at each end. Within this casing is rotatably supported a tube 2 terminating in a head 3 which forms the bottom of the casing. This head is formed with a flange 4 which has a butt engagement with the end of the outer casing 1. This tube is provided with a longitudinal slot 5 in which slides a projection 6 formed on a cosmetic carrier or holder 7, this carrier being in the form of a shallow cup. Cooperating with the rotatable tube is a propeller for moving the cosmetic carrier back and forth in the casing. As shown, this propeller is in the form of a stationary sleeve 8 having a helical groove or slot 9 with which the projection engages. On the rotation of the tube 2 the projection follows the slot and the carrier 7 is moved back and forth in the casing.

This sleeve is provided with means for preventing the accidental backward movement of the cosmetic carrier under conditions of use, and these means will be such that the sleeve may be inserted in the casing either end to. These means are shown in the form of shoulders, three sets of these shoulders, marked 10, 11 and 12, being formed on the sleeve. These shoulders are formed in opposite sides of the slot and opposite each other, and preferably are, as indicated at 13, V-shaped, so that the projection is positively engaged and held by these stops. It will be understood that these stops are so arranged that they will be engaged by the pin 6 and will resist an inward vertical movement such as would be caused by the pressure in applying the lipstick. On the rotation of the head 3, however, the pin will be released from the stops, the spring in the metal permitting this, and the carrier or paste tube may be withdrawn within the casing, which can then be closed by the cover 14.

While three sets of stops have been illustrated, it will be understood that as many stops as are necessary may be provided. The construction shown, however, is a satisfactory one in practice, in which a set of the stops

is located near each end of the sleeve and an intermediate set located about the middle of the sleeve. It will be seen with this construction that no matter which end of the sleeve is inserted in the casing during assembly the stops will always be in position to effect their function, thus less care is needed in assembling the parts, with a consequent increase in the speed of assembly and production.

It will be further observed that the slot 5 is of sufficient length to permit the projection 6 to engage in the lower-most notch 10, the projection being secured near enough to the bottom of the carrier to permit this. The projection is thus locked until the tube is rotated. During packing and shipping of the assembled holders, there may be a tendency of the stick carrier to slip forwardly and force the cosmetic against the cap, thus damaging the cosmetic. This tendency is prevented by the present construction and an advantage in the salability of the article obtained.

If desired, the casing may be closed by a cover 14 hinged on a pintle wire 15 which seats in a groove 16 formed in the outer casing.

While the invention has been shown in its preferred form, certain changes may be made in the shape of the propeller and in the form and arrangement of the stops without departing from the invention as defined in the annexed claims.

What I claim is:

1. In a holder for cosmetics and the like, the combination of an outer casing, a rotatable tube in the casing, a cosmetic holder mounted in the tube and provided with a projection, a sleeve in the casing having a helical slot with which the projection engages to effect a longitudinal movement in the casing, and recesses formed in the sides of the slot near each end thereof and intermediate the ends with which the projection is caused to engage on application of pressure to a cosmetic carried in the holder, the recesses on each side of the slot being similarly arranged so that the sleeve may be assembled in the casing either end to.

2. In a holder for cosmetics and the like, the combination of an outer casing, a rotatable tube in the casing, a cosmetic holder mounted in the tube and provided with a projection, a sleeve in the casing having a helical slot with which the projection engages to effect a longitudinal movement in the casing, and oppositely disposed V-shaped recesses formed in the sides of the slot with which the projection is caused to engage on application of pressure to a cosmetic carried in the holder, the recesses on each side of the slot being similarly arranged so that the sleeve may be assembled in the casing either end to.

3. In a holder for cosmetics and the like, the combination of an outer casing, a cosmetic holder in the casing, means for propelling the holder longitudinally in the casing to protrude and withdraw the cosmetic, and a member in the casing having sets of similarly arranged stops so that the member may be assembled in the casing either end to, said stops acting to prevent rearward movement of the cosmetic holder during use, the holder being released from the stops on the manipulation of the propelling means.

4. In a holder for cosmetics and the like, the combination of an outer casing, a rotatable tube in the casing having a longitudinal slot extending adjacent the end of the tube, a cosmetic holder mounted in the tube and having a projection riding in the slot, a sleeve in the casing having a helical slot with which the projection engages to effect a longitudinal movement of the cosmetic holder in the casing, and a locking recess at each end of the sleeve for holding the projection against movement until it is freed therefrom by the rotation of the tube, and so that the sleeve may be assembled in the carrier either end to.

In testimony whereof, I have hereunto set my hand.

HENRY W. WILD.