Nov. 6, 1951 A. P. LYNN 2,574,405

LIPSTICK HOLDER

Filed March 23, 1950

FIG. 1.

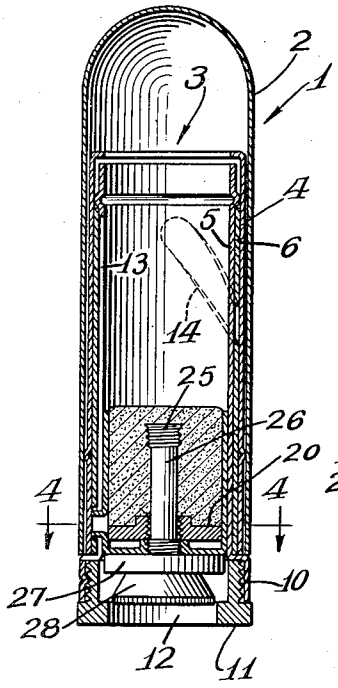



FIG. 2.

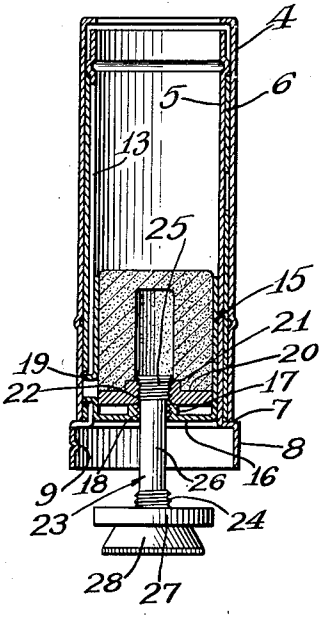



FIG. 3.

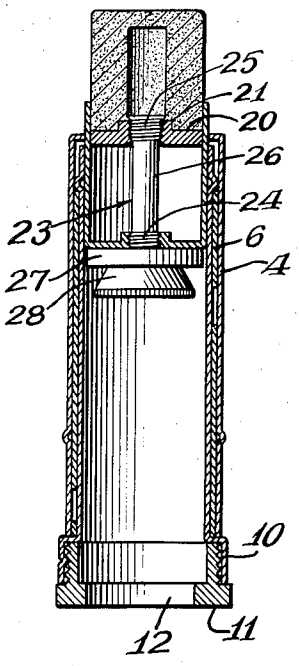



FIG. 5.

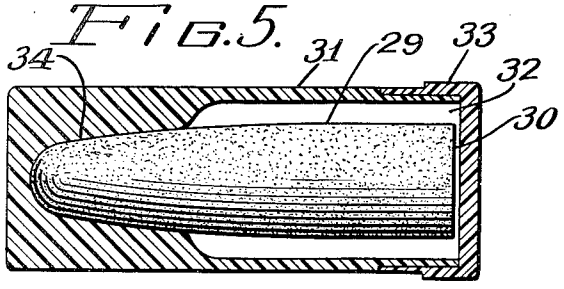



FIG. 4.

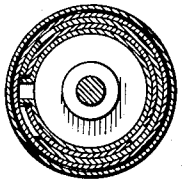
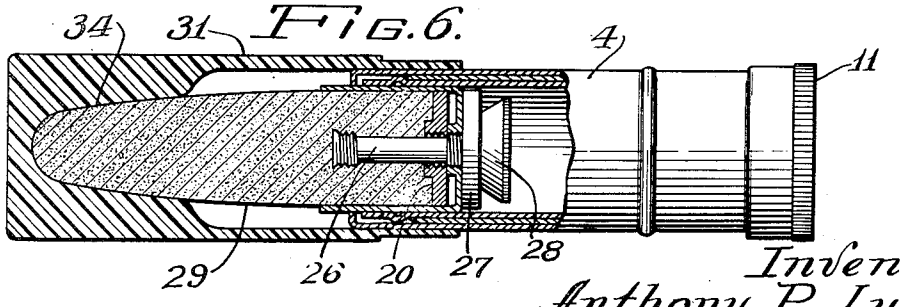


FIG. 6.




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# UNITED STATES PATENT OFFICE

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## LIPSTICK HOLDER

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Application March 23, 1950, Serial No. 151,447

3 Claims. (Cl. 206—56)

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This invention relates to improvements in lipstick containers or holders and refers particularly to a cup within which a lipstick is held, the cup being characterized in that the base end of the lipstick normally confined within the cup can be used after the lipstick has been worn away to a substantially level position with respect to the walls of the cup.

In the usual lipstick container the base or end of the lipstick proper is carried within a cup which is of a depth of approximately one-third of the length of the lipstick. The cup is usually made this deep to support the lipstick, particularly when it is new and of full length, and prevent the relatively soft lipstick from breaking. However, when the lipstick has been worn away to the level of the mouth of the cup, the lipstick remaining in the cup while housed therein is no longer available for use. Rather than to try to extract the unused lipstick from the cup, which is at best a disagreeable "messy" task, the cup is usually discarded, and approximately one-third of the lipstick is wasted.

In my present invention, a cup is provided wherein an unused, long lipstick may be supported for an adequate portion of its length within the cup in the manner heretofore contemplated, but when the lipstick has been worn away to the point where it would normally be discarded, means carried by the cup may be employed to project a substantial portion of the confined stub out of the cup mouth where it is available for use. In view of the shortened length of the projecting lipstick, a smaller or shorter supported length of the lipstick is all that is necessary and consequently a major portion of the lipstick stub heretofore normally wasted may be used.

Other objects and advantages of my invention will be apparent from the accompanying drawing and following detailed description.

In the drawing Fig. 1 is a longitudinal sectional view of a lipstick container employing my improved cup.

Fig. 2 is a similar view illustrating a different position of the projecting means for the lipstick stub.

Fig. 3 is a similar view showing the lipstick stub available for use.

Fig. 4 is a sectional view taken on line 4—4 of Fig. 1.

Fig. 5 is a longitudinal sectional view of a lipstick refill container which may be employed with my invention.

Fig. 6 is a longitudinal sectional view, parts

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being broken away, showing the manner of charging a new lipstick into my improved cup.

Referring in detail to the drawing 1 indicates generally a lipstick container having a closed tubular cap 2 which fits telescopically over an inner tubular assembly 3. The tubular assembly 3 comprises an outer cylindrical member 4, a coaxially disposed inner cylindrical member 5 and an intermediate cylindrical sleeve 6. At one end the inner cylindrical member is enlarged in diameter to form an annular shoulder 7 and an extension 8 of relatively enlarged diameter. A wall of the extension 8 is provided with an inwardly extending crimp 9, the arrangement being such that said crimp may be threadedly engaged with threads 10 carried upon the outer tubular portion of a bottom cap 11. The cap 11 is provided with a central aperture 12.

The inner cylindrical member 5 of the tubular assembly 3 is provided with an elongated straight slot 13 and the intermediate sleeve 6 is provided with a helical slot 14, said latter slot terminating adjacent to but short of the ends of the intermediate sleeve.

The tubular assembly 3 is adapted to carry a lipstick holder or cup 15 which is of a diameter slightly smaller than the inner diameter of the inner cylindrical member 5. The cup 15 comprises a closed bottom 16, said bottom being provided with an upwardly extending central boss 17 which is apertured and provided with screw threads 18. A wall of the cup 15 is apertured in order to provide struck out flanges 19 defining the aperture thus formed. In effect the flanges 19 provide a guide pin for the cup. The guide pin so formed registers with the longitudinal straight slot 13 provided in the inner cylindrical member and also simultaneously registers with the helical slot 14, the arrangement being such that relative rotation of the inner cylindrical member with respect to the intermediate sleeve causes axial movement of the cup within the cylindrical assembly. In assembling the cylindrical assembly the outer cylindrical member 4 and the intermediate sleeve 6 are secured together and move as a unit.

Within the cup 15 a circular washer or plate 20 is positioned, said plate having an upwardly extending central boss 21 which is provided with an aperture, the walls defining the aperture carrying screw threads 22. A pin 23 carries screw threads 24 and screw threads 25 adjacent opposite ends. The intermediate portion 26 of the pin 23 is of relatively restricted diameter. As will be hereinafter more fully described in manipu-

lating my device the screw threads 24 are engageable with the screw threads 18 provided in the fixed bottom 16 and the screw threads 25 are engageable with the screw threads 22 provided in the washer or movable plate 20. The end of the pin 25 adjacent screw threads 24 carries a flat disc 27 from which a knob 28 projects whereby the pin 23 may be conveniently manipulated.

In utilizing my invention a lipstick cartridge such as that shown at 29 in Fig. 5 is positioned within the cup with the base portion 30 of the cartridge disposed upon the face of the plate 20. It can readily be seen that approximately two-thirds of the fresh lipstick cartridge 29 extends beyond the mouth of the cup 15 and the remaining portion of the cartridge is confined within the cup. In positioning the lipstick cartridge in the cup the pin 23 may be in its inner position, that is, with the threads 24 engageable with the threads 18 of the fixed bottom. In view of the fact that the material comprising the cartridge 29 is relatively soft the base portion of the cartridge can very readily be displaced sufficiently to permit the embedding of the pin within the body of the lipstick as shown best in Fig. 1. As the lipstick is consumed the projecting portion thereof shortens in length until a point is reached where the lipstick is substantially flush with the mouth of the cup 15. Heretofore, when this condition arose, the cup together with the stub of the lipstick confined therein was normally discarded. However, when this condition arises when employing my invention the knob 28 is manipulated so as to disengage the threads 24 and 18. The pin 23 may then be moved outwardly, the restricted intermediate portion 26 of the pin being freely movable through the threaded apertures of the plate 20 and fixed bottom 16. When the threads 25 have moved into contact with the plate 20 the threads 25 and 22 are brought into engagement. The end of the pin 23 carrying the threads 25 is peened outwardly so that when the threads 25 and 22 reach their threaded extremities the peened portion of the pin 23 binds upon the upper portion of the boss 21. Although the movable plate 20 is not secured in any fashion to the walls of the cup 15 the mass of lipstick comprising the stub exerts sufficient friction upon the surface of the plate 20 to permit the unthreading of the threads 24 and the threading of the threads 25 with threads 18 and 22 respectively. Consequently a sufficient binding engagement can be secured between the peened end of the pin 23 and the upper portion of the boss 21.

After this operation is completed the pin 23 is moved slidably inwardly through the aperture provided in the fixed bottom 16. This action raises the stub of the lipstick and projects a proportion of the length of said stub outwardly through the mouth of the cup. In view of the fact that the stub is of only restricted length relative to the complete length of the lipstick cartridge the engagement of the bottom of the stub within the cup need not be as great as was necessary when the fresh cartridge was held by the cup. When the stub has been moved within the cup threads 24 are brought into engagement with threads 18 and the pin 23 is locked in its innermost position by the engagement of the disc 27 with the bottom 16. It can readily be seen that the stub is thereafter available for use.

Referring particularly to Figs. 5 and 6 a container 31 is illustrated which can be conveniently employed in positioning a lipstick cartridge 29 within the cup 15. The container 31 may be formed of plastic resinous material, hard rubber or the like. The container is provided with an open mouth 32 which may be closed by means of cover 33. At the opposite end of the container a recess 34 is provided which conforms in contour with the contour of the end of the cartridge 29.



In charging the cartridge to the cup 15 the cup is moved to its outer extremity within the tubular assembly 3 with the threads 24 of pin 23 engageable with threads 18. The inner diameter of the container 31 is slightly larger than the outer diameter of the outer cylindrical member 4 and consequently the cylindrical assembly 3 may be moved into telescopic engagement with the open mouth 32 of the container 31. In view of the fact that a substantial length of the cartridge 29 is supported by the walls of the recess 34 the cartridge may be conveniently inserted in the cup 15 embedding the pin 23 in the base or stub portion of the cartridge. The cylindrical assembly may then be moved outwardly from the container 31 and the cartridge 29 will be carried therewith. The inner cylindrical member 5 may then be rotated to withdraw the cup into the interior of the cylindrical assembly 3 and the lipstick container is thereafter available for use in the normal manner until the extending portion of the cartridge is worn away at which time the device is manipulated as hereinbefore described to project the stub to an available position.

I claim as my invention:

1. A lipstick holder comprising a cup having a fixed bottom and an open mouth for holding a lipstick, a movable bottom carried within the cup normally disposed adjacent the fixed bottom, a pin positioned in registering apertures in said bottoms, threads carried in said apertures, threads carried at opposite end portions of said pin for engagement respectively with the threads upon the movable and fixed bottoms, the portion of said pin intermediate the pin threads being restricted in diameter and being freely movable within said apertures, and means carried by said pin exteriorly of said fixed bottom for turning said pin to engage the respective pin threads with the respective bottom threads and to slidably move the pin through said apertures to position said bottoms adjacent each other and in spaced relationship to each other.

2. A lipstick holder comprising a cup having a fixed bottom and an open mouth to hold a lipstick, said bottom being provided with a threaded aperture, a pin positioned in said aperture, threads carried upon said pin adjacent an end portion thereof for engagement with said fixed bottom threads to dispose the major portion of said pin extending into said cup, a movable bottom in said cup having a threaded aperture through which said pin extends, threads upon the opposite end of said pin for engagement with said movable bottom threads, the intermediate portion of said pin being of restricted diameter and being freely movable through said apertures, and means carried by said pin exteriorly of said fixed bottom for engaging said respective pin threads with the respective aperture threads and to axially slidably move the pin through said apertures.

3. A lipstick holder comprising a cup having a fixed bottom and an open mouth for the reception of a lipstick, a movable bottom carried

within said cup, a pin positioned in registering apertures in said fixed and movable bottoms, internal threads carried by said apertures, threads carried adjacent one end of said pin engageable with the threads of the aperture in said fixed bottom, threads carried adjacent the opposite end of said pin engageable with the threads of the aperture in the movable bottom, said pin intermediate said threads being of a restricted diameter sufficient to move freely through said apertures, said bottoms being normally disposed adjacent each other with the respective pin thread engageable with the fixed bottom and the major portion of the pin extending through the movable bottom and into the body of the lipstick in the cup, means projecting outwardly from the fixed bottom for disengaging said respective pin thread from the fixed bottom and extracting said pin from the body of the lipstick to engage the opposite re-



spective pin thread with the movable bottom, said means being operable to slidably move the pin and movable bottom carried thereby into said cup to move the lipstick upwardly in the cup

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