July 29, 1952

S. SHATKIN

2,604,985

LIPSTICK CASE

Filed May 10, 1951

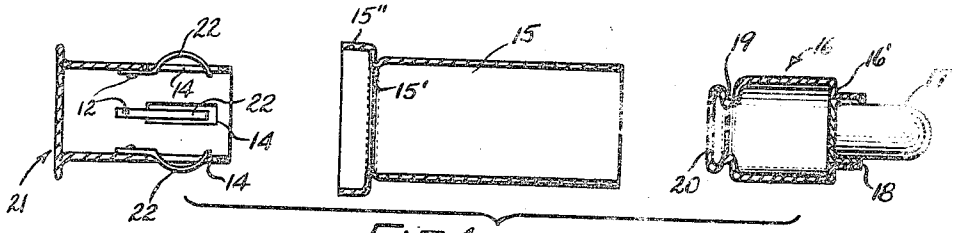


FIG. 1.

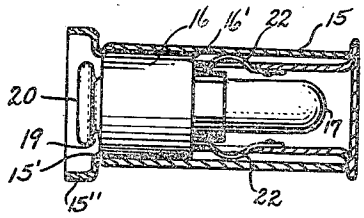


FIG. 2.

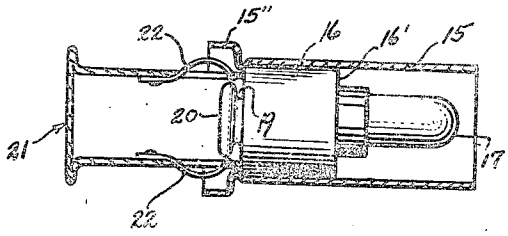


FIG. 3.

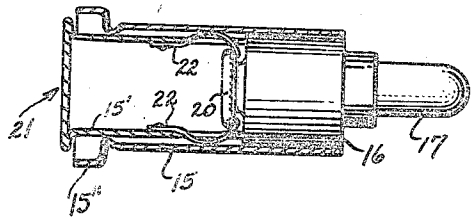


FIG. 4.

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LIPSTICK CASE

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Application May 10, 1951, Serial No. 225,527

5 Claims. (Cl. 206—56)

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The present invention relates to cases for lip sticks, and more particularly to the type wherein a pomade stick is housed within a casing having a removable cover in telescopic relation with the casing. Upon removal of said cover, the pomade stick made be shifted in some manner, so that it shall extend exterior of the casing in position for use, and to be withdrawn into the casing, when not in use. In the present invention, such cover is used to propel the pomade stick and is an improvement on the lip stick case set forth in my copending application for patent filed March 19, 1949 under Serial Number 82,307, now Patent No. 2,568,688, dated September 18, 1951.

In the item of said pending application, and also in the present invention, resilient fingers on the cover are used to engage the pomade stick carrier. In the operation of the first item, said fingers are stressed in a manner imposing a progressively changing strain thereon which tends to shorten the operative life of the article. The present invention offers a construction in which the fingers are under practically uniform stress during operation, such stress being near the minimum required, to bring the fingers together, while in the first item the stresses imposed on the fingers are beyond actual necessity. The present item makes for easier operation and longer life, as well as other mechanical and manufacturing advantages as will be readily discernable to those versed in the mechanical arts.

The principal object of this invention is to provide a lip stick case of the character mentioned, of novel and improved construction, which comprises a minimum of parts, uses the cap or cover member in its normal movements to propel the pomade stick, is simple and cheap in construction, easy to use, affording improvement over my previous invention aforementioned, and efficient in carrying out the purposes for which it is designed.

Other objects and advantages will become apparent as this disclosure proceeds.

In the accompanying drawings forming part of this specification, similar characters of reference indicate corresponding parts in all the views.

Fig. 1 is an "exploded" view showing in section, all the parts comprising an embodiment of this invention.

Fig. 2 is a central longitudinal sectional view of the device in non-use condition, as it is carried in a lady's hand bag.

Fig. 3 is a similar view showing the cap or cover member removed from the mouth end of the casing through which the pomade stick emerges, and shows said cover member just starting to be put on, in this instance into the opposite or base end of the casing.

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Fig. 4 is a similar view showing the cover member fully pushed into said base end of the casing, whereby the pomade stick has been caused to emerge to its use position.

In the drawings, the numeral 15 designates generally a tubular housing or casing, within which, fitted for longitudinal movement with friction, is a carrier 16 holding a pomade stick 17, the latter extending from said carrier towards the mouth end of the tubular casing 15. Said pomade stick is concentrically spaced from the interior wall of said outer casing member 15. At base end, said casing member 15, has an inward annular bead 15', and beyond such bead, is of enlarged size as at 15'' in the preferred embodiment illustrated.

The pomade stick carrier 16 has a shoulder at 16' around the socket 18, while the base end of the carrier is formed preferably with an annular channel 19 about its circumferential surface, adjacent its terminal reduced end portion 20, such channel to serve as a socket to receive the tips of the resilient blade spring fingers 22 carried on the cover member 21.

Such cover member or cap 21, fits slidingly through the opening offered by the bead 15', into the interior of the casing member 15. Said cover member, provided with a plurality of longitudinal slots 14 in its tubular body, is an open-mouthed shell which carries the freely extending resilient blade spring fingers 22; each of said fingers being arched concavely with respect to the longitudinal axis of said cover member 21, extend respectively through said slots 14, and adapted when unstressed, to admit the reduced end 20 of the carrier 16, between them. Said fingers are secured as at 12. Said reduced end 20, it is to be noted, clears the bead 15'.

It is to be noted that the radial distance from the crest of each of the arched portions of said spring fingers 22 respectively to the longitudinal axis of the tubular body of the cover member 21, exceeds the inside radius of the casing member 15, when said cover member is separated from the casing, and preferably, the free end tips of said fingers, shall at least lie within the slots 14 respectively when the cover member is apart from the casing. Also, dimensions are such that upon insertion of the cover member 21 into the outer casing member 15 at base end of said casing, and movement of said cover member there-

in, the fingers 22 will be moved towards each other and into the channel 19, sufficient to engage the carrier 16 so that the latter can be pulled into the casing when the cover member 21 is manually pulled out of the base end of the casing member 15. The depth of said channel 19 is made sufficient to allow further entrance of the fingers 22 therein, when said fingers contact the bead which is but for a comparatively short portion of cover travel. Also, dimensions are such that when the device is in non-use condition as in Fig. 2, the pomade stick 17 shall be clear of the fingers 22. The bead 15' acts as a stop for the carrier 16.

Referring now to Fig. 2, the device is shown in closed non-use condition. To set into use condition, the cover or cap member 21, is removed from the mouth end of the casing 15, and set into the base end as shown in Fig. 3. The free ends of the fingers 22 will encircle or surround the reduced end 20 of the carrier 16, and be at the region of the channel 19. Now, upon movement of the cap member 21 into the casing 15, the fingers 22 on contact with the bead 15', will be shifted into said channel 19, and will remain in said channel after they pass said bead as in Fig. 4. Referring now to Fig. 4, manual movement of the cap member 21 out of the casing, will cause the carrier 16 to be pulled into said casing 15 until the pomade stick is entirely housed within the casing, and the fingers will release their hold on the carrier when they pass the bead 15' in the movement of the cap member 21 out of the base end of the casing. Dimensions may be such that either the fingers 22, or the mouth end of the cap 21, push the carrier 16 towards the mouth end of the casing member 15, but in all instances it is the hold or hug of the fingers 22 on the carrier 16, which accomplishes the pulling of the carrier 16 into the casing 15, back to non-use position against the stop 15'.

Portions of the channel 19 would be sufficient to serve as sockets at the positions of the fingers respectively. So if desired and practical in any particular embodiment, said channel may be segmental, or in place thereof the carrier may have any suitable indentations to receive the fingers 22. It is therefore intended that any mention of channel anywhere in this specification and the claims, shall be deemed to also mean such indentations. The fingers 22 may be integral with the cap 21, and the parts 15, 16 and 21 may be of a cross section other than circular, as design may dictate.

This invention is capable of numerous forms and various applications without departing from the essential features herein disclosed. It is therefore intended and desired that the embodiment herein shall be deemed illustrative and not restrictive and that the patent shall cover all patentable novelty herein set forth; reference being had to the following claims rather than to the specific description herein to indicate the scope of this invention.

I claim:

1. In a lip stick case of the character described, a tubular casing having open mouth and base ends, a lip stick carrier positioned within the casing and slidable therealong therewithin; said carrier having a reduced end extending therefrom towards the base end of the casing; said reduced end of the carrier having at least a part of an annular channel, a lip stick extending from the carrier towards the mouth end of the casing, spaced from the interior of the casing, a cap having a mouth end, positionable with its said mouth end first into each end of the casing, into one end of the casing at any one time and slidable within the casing longitudinally of said casing; said cap having a plurality of spaced openings in its circumferential wall, resiliently mounted elements carried on said cap, extending outwardly of said cap through said openings respectively and extending sufficiently to be automatically moved inwardly of said cap towards the longitudinal axis of the cap, upon contact with the interior surface of the casing and a member extending inwardly from the wall of the casing at the base end of the casing, to serve as a stop for the carrier when the carrier is moved up to said stop member; at least part of the channel in the reduced end of the carrier being accessible for said resiliently mounted members to enter therein when the cap is set into the base end of the casing, whereupon when said elements contact either the stop member or the interior surface of the casing on movement of the cap into the base end of the casing, said elements will be automatically moved inwardly of the cap and into said channel, thus engaging the carrier for movement within the casing from the stop member toward the mouth end of the casing and back again to said stop member, depending upon and in the same direction of movement of the cap with respect to the casing; said cap being capable of entrance into the base end of the casing past the stop member; the length of the cap, the position of the said elements thereon and the cross sectional area of the lip stick being such that when the cap is pushed into the mouth end of the casing, said cap and elements it carries remain spaced from the lip stick and surround same.

2. A lip stick case as defined in claim 1, wherein the resiliently mounted elements are elongated in form and each extends free towards the mouth end of the cap; the extreme free end portions of said elements respectively, being bent towards the longitudinal axis of the cap.

3. A lip stick case as defined in claim 2, wherein the bent portion of each of said elongated elements, is an arch.

4. A lip stick case as defined in claim 2, wherein each elongated element is a blade spring, and each opening for said elements in the cap is a slot, longitudinally of said cap.

5. A lip stick case as defined in claim 4, wherein the free ends of the blade spring extend through said slots respectively, when the cap is removed from the casing.

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No references cited.