Sept. 4, 1934. J. BONESS ET AL 1,972,472

LIP STICK HOLDER

Filed March 12, 1934

Fig. 1

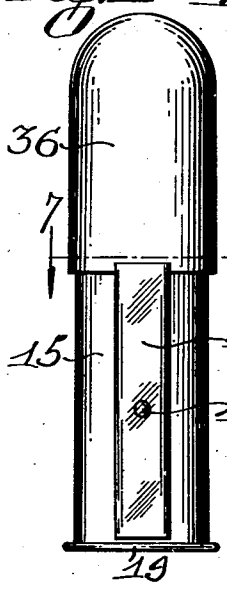


Fig. 2

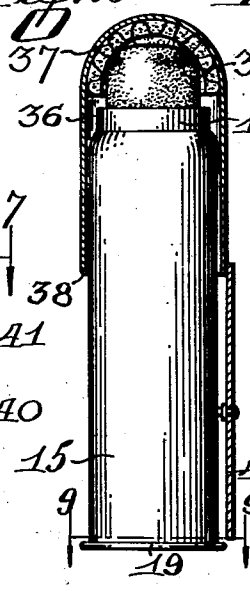


Fig. 3

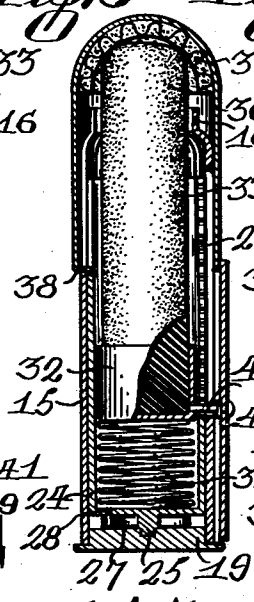


Fig. 4

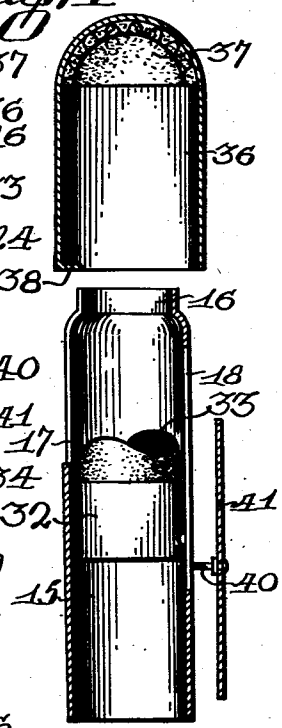


Fig. 5

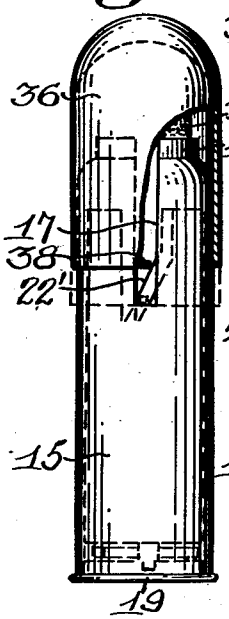


Fig. 6

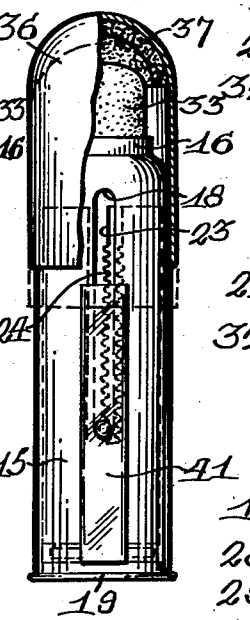


Fig. 7

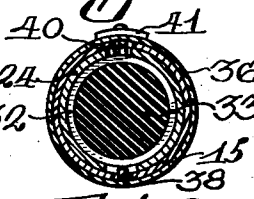


Fig. 8

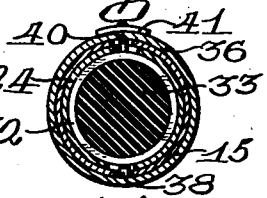
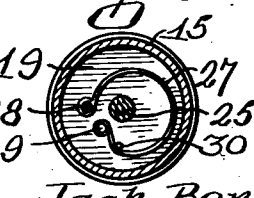
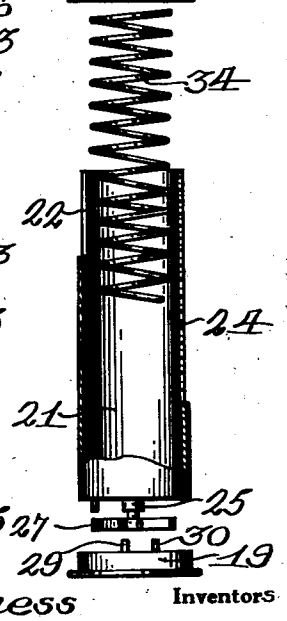


Fig. 9





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UNITED STATES PATENT OFFICE

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LIP STICK HOLDER

Jack Boness and Hyman Boness, Montreal, Quebec, Canada

Application March 12, 1934, Serial No. 715,126

6 Claims. (Cl. 206—56)

The present invention relates to improvements in cosmetic stick-holders.

An object of the invention is the provision of a lipstick holder constructed so that the applying end of a cosmetic stick will be constantly maintained in a predetermined extended position with respect to the holder casing.

A further object of the invention is the provision of a lipstick holder having cover controlled means for adjusting the cosmetic stick in the holder.

Another object of the invention is the provision of a lipstick holder equipped with means for automatically adjusting the lipstick in accordance with the consumption thereof.

Still another object of the invention is the provision of a lipstick holder of the above character which is relatively simple and compact in construction and which is reliable in operation.

Other objects and advantages of the invention will become apparent as the description progresses.

In the accompanying drawing forming a part of this specification and in which like reference characters are employed to designate corresponding parts throughout the same:

Figure 1 is a side elevation of the lipstick holder in closed arrangement,

Figure 2 is a similar view showing the cover cap in section,

Figure 3 is a longitudinal section through the assembled holder and lipstick,

Figure 4 is a longitudinal section showing the component parts in separated relation,

Figure 5 is a side elevation with the cover partly broken away taken from one side of the holder,

Figure 6 is a similar view taken from a diametrically opposite side,

Figure 7 is a transverse section taken on the line 7—7 of Figure 1,

Figure 8 is a similar view when the cover is partly removed, and

Figure 9 is a transverse section on the line 9—9 of Figure 2.

Referring to the drawing, wherein for the purpose of illustration is shown a preferred embodiment of the invention, the numeral 15 generally designates the holder casing embodying a tubular metallic member formed with a reduced neck 16 at the top having a longitudinal slot 17 in the top portion of one side, a second longitudinal slot 18 terminating short of the top at the opposite side. To the lower portion of the casing 15 is connected a bottom forming disc 19.

Within the casing 15 is fitted a tubular interior shell 21 closed at the bottom and provided with a relatively short longitudinal slot 22 at the upper portion and a comparatively long slot 23 at the opposite side. The slot 22 is formed so that its lower edge assumes an inclined position forming a cam surface 22', as shown in Figure 5. As shown to advantage at Figures 4 and 6, one edge of the longitudinal slot 23 is serrated to form rack teeth 24. Projecting downwardly from the bottom, on the central axis of the shell, is a gudgeon 25 having a reduced lower portion adapted to be rotatably fitted in a bearing hole in the disc 19.

As shown at Figure 9, an arcuate spring 27 is disposed between the bottom of the shell 21 and the disc 19, one end of the spring being attached to a stud 28 extending downwardly from the bottom of the shell while the opposed end is connected with the stud 29 projecting upwardly from the top face of the disc. A pin 30 also projecting upwardly from the disc engages the spring 27 to prevent rotation thereof around stud 29 and impart thereto the necessary resiliency.

Slidably fitted within the shell 21 and longitudinally movable therein is a socket 32 formed to firmly engage and support therein the lower end portion of an elongated cosmetic stick 33. The stick carrying socket 32 is normally urged to a fully elevated position in the shell and casing through the medium of a coiled compression spring 34 disposed between the bottom of the socket and the bottom of the shell, as illustrated at Figure 3.

Upon the top of the casing is removably fitted a tubular cover cap 36 having a rounded upper portion covered interiorly by a lining of felt 37 or other yielding material, as shown at Figures 2 and 3. The cap 36 is designed to fit with a snug sliding engagement upon the upper body portion of the casing 15.

At the lower edge of the cap 36 is formed an inwardly extending finger 38 adapted to loosely slide into the slot 17 of the casing as the cover is slidably fitted on the holder.

To the lower portion of the socket 32 is connected a pin 40 projecting radially outward through the slot 23 in the shell and the slot 18 in the body casing. To the outwardly projecting portion of the pin 40 is securely connected a guard bar 41. As shown in the drawing, the bar 41 assumes a longitudinally extending position spaced from the casing, sufficiently to permit the cover cap to be properly inserted on the casing,

and covering the slot 18 of the casing when the cap is in closed position.

In use, the fitting of the cover cap upon the casing will cause the finger 38 to engage the cam edge 22' of the shell and turn or partially rotate the shell within the casing. This turn of the shell will cause the toothed rack 24 to be turned away from and out of engagement with the pin 40 so that the compression spring 34 tends to project the socket 32 and lipstick 33 fitted therein, upwardly in the shell and casing. The upward movement of the lipstick is, however, limited by the top of the cap so that the stick may move upwardly for a distance equal to the amount of cosmetic removal from the upper applying end of the stick and until the upper extremity contacts with the felt lining in the cap. The turning of the shell by the cam action exerts a tension upon the spring 27 which tends to restore the shell to its initial position.

When the cap 36 is removed for employing the lipstick, pressure being relieved from the cam 22' by the removal of the finger 38, the spring 27 turns the shell to its former position causing the rack teeth to be resiliently pressed against the pin 40 and retaining the socket 32 in the position it attained as a result of the previous adjustment. Consequently, the lipstick is automatically adjusted in step by step movement after each application thereof so that the top applying end of a stick will be constantly maintained at a predetermined elevation above the top of the holder casing. By this means, a suitable length of the stick is projected beyond the casing for proper application of the lipstick without requiring special manual adjustment thereof and without exposing the stick to breakage due to extending an undue portion thereof beyond the holder.

It is to be understood that the form of our invention herein shown and described is to be taken as a preferred example of the same, and that various changes as to the shape, size and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described our invention, we claim:—

1. A lipstick holder comprising a casing, a shell mounted to turn in the casing having longitudinal slots formed therein, one of said slots having a cam surface while the other is formed with a toothed rack, a lipstick holding socket slidably fitted in the shell, spring means operable to elevate the socket in the shell, a pin attached to the socket and engageable with the rack, spring means tending to normally urge the rack against the said socket pin, a cover cap adapted to be slidably fitted on the casing, and means on the cover cap engageable with the cam surface of the shell for rotating the shell to move the rack from the socket pin and release the socket.

2. A lipstick holder comprising a casing, a shell mounted to turn in the casing having longitudinal slots formed therein, one of said slots having a cam surface while the other is formed with a toothed rack, a lipstick holding socket slidably fitted in the shell, a spring normally urging the socket to an elevated position in the shell, a pin attached to the socket and engageable with the rack, spring means tending to normally urge the rack against the said socket pin, a cover cap adapted to be slidably fitted on the casing, and an inwardly projecting finger formed on the cover cap operable to engage the cam surface of the shell when the cap is in fully closed position to move the rack from the socket pin and release the socket.

3. A lipstick holder comprising a casing, a shell mounted to turn in the casing having longitudinal slots formed therein, one of said slots having a cam surface while the other is formed with a toothed rack, a lipstick holding socket slidably fitted in the shell, a spring normally urging the socket to an elevated position in the shell, a pin attached to the socket and engageable with the rack, spring means tending to normally urge the rack against the said socket pin, a cover cap adapted to be slidably fitted on the casing, an inwardly projecting finger formed on the cover cap operable to engage the cam surface of the shell when the cap is in fully closed position to move the rack from the socket pin and release the socket, and a cover bar attached to the outwardly projecting end of the socket pin forming a slot covering.

4. A lipstick holder comprising a casing having longitudinal slots formed in the side wall, a shell mounted to turn in the casing provided with slots operable to register with the slots in the casing, one of the said shell slots having an inclined cam edge while the other is provided with a toothed longitudinal rack, a lipstick holding socket mounted to slide vertically in the shell, a spring normally urging the socket to an elevated position in the shell, a rack pin attached to the socket extending through slots in the shell and casing and operable to engage the rack, a spring connected with the shell tending to normally turn the same so that the rack engages the socket pin to hold the socket in adjusted position, a cap adapted to be slidably fitted on the upper part of the casing, and a projection on the cap engageable with the cam surface on the shell adapted to release the rack from the socket pin when the cap is in a full closing position.

5. A lipstick holder comprising a casing having longitudinal slots formed in the side wall, a shell mounted to turn in the casing provided with slots operable to register with the slots in the casing, one of the said shell slots having an inclined cam edge while the other is provided with a toothed longitudinal rack, a lipstick holding socket mounted to slide vertically in the shell, a spring normally urging the socket to an elevated position in the shell, a rack pin attached to the socket extending through slots in the shell and casing and operable to engage the rack, a spring connected with the shell tending to normally turn the same so that the rack engages the socket pin to hold the socket in adjusted position, a cap adapted to be slidably fitted on the upper part of the casing, and an inwardly propecting finger formed on the cap engageable with slots in the shell and casing and with the cam surface on the shell so as to dispose the rack to a socket pin releasing position when the cap is in a full closing position.

6. A lipstick holder comprising a casing having longitudinal slots formed in the side wall, a shell mounted to turn in the casing provided with slots operable to register with the slots in the casing, one of the said shell slots having an inclined cam edge while the other is provided with a toothed longitudinal rack, a lipstick holding socket mounted to slide vertically in the shell, a spring normally urging the socket to an ele-

vated position in the shell, a rack pin attached to the socket extending through slots in the shell and casing and operable to engage the rack, a spring connected with the shell tending to normally turn the same so that the rack engages the socket pin to hold the socket in adjusted position, a cap adapted to be slidably fitted on the upper part of the casing, an inwardly projecting finger formed on the cap engageable with slots in the shell and casing and with the cam surface on the shell so as to dispose the rack to a socket pin releasing position when the cap is in a full closing position, and a cover bar attached to the socket pin to cover a slot in the casing.

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