

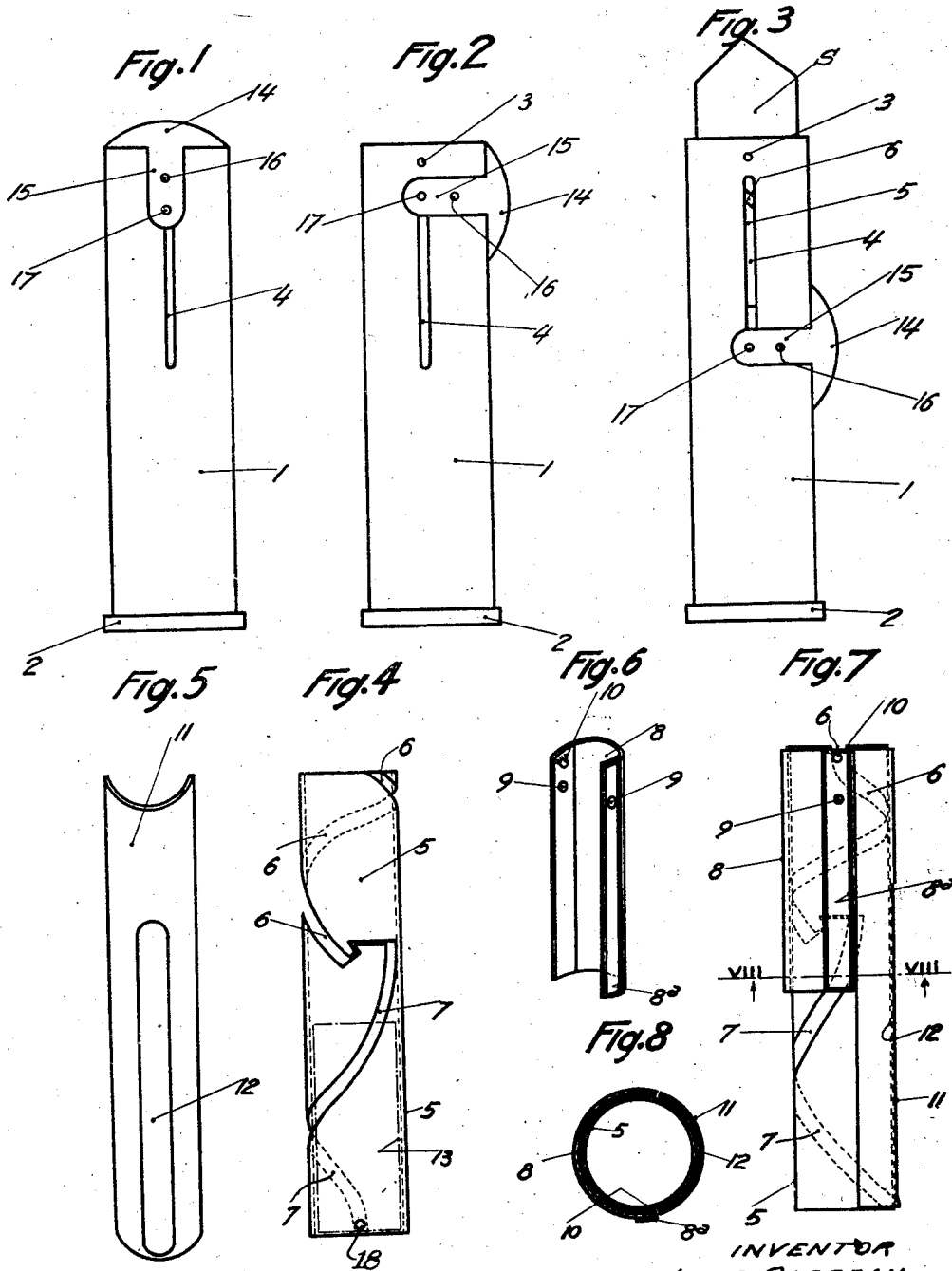
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LIP STICK HOLDER

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## LIP STICK HOLDER

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4 Claims. (Cl. 206—56)

This invention relates to toilet accessories and more particularly to such devices or holders which are carried by ladies and are commonly used to carry make-up material such as rouge, 5 cosmetic or perfume in the form of sticks or crayons.

The primary object of the invention is to provide a lip-stick holder of simple and yet rugged construction and easy, handy and attractive manipulation whereby the user can hold it in 10 one hand while causing the stick to project or retract by exerting a small stress on a rockable and slidable cap by means of one finger only of said hand, the user thus keeping her other hand 15 free for holding a powder puff, a mirror or a similar toilet article in view of rapid making-up purposes.

A further object of the invention is to provide a lip-stick holder wherein the closure is per- 20 formed exclusively by a cap capable of being easily moved by means of one finger only, said cap being swivelingly mounted for rocking and sliding motion with respect to the casing of the holder, the motion of said cap towards or off 25 closing position automatically retracting or ejecting the lip-stick into or out of the casing without necessitating any contact between said stick and the user's fingers.

A still further object of the invention is to 30 provide a lip-stick holder wherein the closure in the form of a rockable and slidable cap can never come in contact with the lip-stick or crayon and can not accordingly be stained or clogged thereby or spoil said stick or crayon 35 while efficiently protecting it from dirt when in closed position.

Still a further object of the invention is to 40 provide a lip-stick holder wherein the make-up operation never necessitates any contact between the stick and the user's fingers.

With these and such other objects in view as will incidentally appear hereafter, the invention 45 comprises the novel construction, arrangement and combination of parts that will now be described with reference to the accompanying diagrammatic drawing forming a part of the present disclosure.

In the drawing:

Figure 1 is an elevational view showing the 50 lipstick holder in its entirety, assuming the cap to be in closed position, for example in the position which said holder occupies when carried in a lady's hand bag or kit.

Figure 2 is a view similar to Figure 1, assum- 55 ing the cap to have been rocked laterally off

closing position, preparatory to being slid along the tubular casing of the holder for ejecting the lip-stick.

Figure 3 is a view similar to Figure 2, assum- 5 ing the cap to have been slid along the tubular casing of the holder, the tip of the lip-stick or crayon being shown in ejected position.

Figure 4 is a view of the rotary sleeve located in the casing showing the two oppositely con- 10 voluted spiral slots, the stick carrier being shown in chain lines.

Figure 5 is a view of the stationary slotted shell co-operating with the rotary sleeve.

Figure 6 is a view of the movable shell adapted 15 to carry on pivots the closure cap and also co-operating with the rotary sleeve.

Figure 7 is a view showing the mutual arrange- 20 ment and co-operation of the rotary sleeve and the two shells.

Figure 8 is a cross-sectional view on the line 20 VIII—VIII of Figure 7.

Like reference characters designate like parts throughout the several views.

As illustrated, the improved lip-stick holder 25 comprises an outer casing 1 of elongated and tubular shape open at one end and permanently closed at its other end by a bottom cover 2. In this casing 1 are formed adjacent its open end 30 two diametrically opposed small holes or depressions 3 and two diametrically opposed straight slots 4 extending over a portion of its length, said holes 3 and slots 4 being mutually aligned pair- wise.

In the casing 1 is rotatably located a sleeve 5 35 open at both ends and having a length substantially equal to that of the casing 1. This sleeve 5 is formed with a pair of spiral slots 6, 7 whose convolutions are of suitable pitch and oppositely twisted, as shown in Figure 4. The inner ends 40 of said slots 6, 7 have a certain amount of overlap that is to say the slot 6 extends farther lengthwise of the sleeve 5 than the inner end of the slot 7 which in turn extends farther lengthwise 45 of the sleeve 5 than the inner end of the slot 6, no junction being however provided between these two spiral slots.

A shell 8 of rounded channel shape having a 50 length substantially shorter than the casing 1 is inserted for longitudinal motion intermediate said casing and the sleeve 5. This movable shell 8 is formed with a pair of diametrically opposed 55 holes 9 adapted to register with the slots 4 in the casing 1 and with a projection 10 aligned with one of said holes 9 and so sized as to be readily insertable into any one of said slots 4 and into

the spiral slot 6 of the sleeve 5. In the embodiment shown, the movable shell 3 encompasses the sleeve 5 over a portion of its periphery equal to about 210° but no limitation is involved in this, provided the movable shell 3 is of sufficient angular size for having diametrically opposed holes 9 capable of registering with the slots 4 in the casing 1. The shell 3 is reinforced by longitudinal ribs 8<sup>a</sup> which also act as guides during its motion.

A stationary shell 11 of channel shape substantially equal in length to the sleeve 5 is interposed between said sleeve and the casing 1 and fills the peripheral gap left around the sleeve by the movable shell 3. A straight longitudinal slot 12 extends in the stationary shell 11 from a position adjacent its end remote from the open end of the casing 1.

It will be seen that the movable shell 3 encompasses the sleeve 5 over a substantial portion of its periphery while the stationary shell 11 encompasses it over the remainder of its periphery, sufficient clearance being however left between the meeting edges of the two shells for allowing longitudinal displacement of the shell 3 during the operation of the lip-stick holder.

Inside the sleeve 5 is accommodated for longitudinal motion a thimble-shaped or cup-shaped carrier 13 for the bottom or inner end of the cosmetic stick S. This carrier 13 has a side projection 18 which permanently engages through the slots 7 and 12.

For closing the open end of the casing 1 there is provided a cap comprising a head 14, advantageously of dome shape, and a pair of symmetrical ears or lugs 15 formed integral with said head and extending parallel to each other at right angles to the general plane of the head 14. The cap ears 15 are formed with symmetrical beads or depressions 16 adapted to snap into the holes or depressions 3 for yieldingly holding the head 14 in closing position over the open end of the casing 1. The cap ears 15 are furthermore formed with symmetrical pins or pivots 17 which engage through the slots 4 and are riveted in the holes 9 formed in the movable shell 3. By this arrangement, the cap 14-15 is swivelled with respect to the movable shell 3 and rockably related to the casing 1. The length of the ears 15 is calculated to permit the cap-head 14 to be slidable along the outer wall of the casing (as shown in Figures 2 and 3) after it has been rocked off closing position.

The operation of this improved lip-stick holder is as follows: Assuming the cap 14-15 to be in closing position, as shown in Figure 1, all that is necessary to uncover or unmask the open end of the casing 1 is to rock said cap laterally by a swiveling motion about its pivots 17, this operation being performed by the user with one finger only, for example with the forefinger while the thumb and middle finger are holding the base of the casing 1. After the cap 14-15 has thus been rocked off closing position, it may, as aforesaid, be slid along the outer wall of the casing 1. The pivots 17 then drive the movable shell 3 off the open end of the casing 1 and the rectilinear motion of the shell 3 is translated into a rotary motion of the sleeve 5 owing to the engagement of the projection 10 into the spiral slot 6. The rotation of the sleeve 5 is in turn translated into a rectilinear motion of the stick carrier 13 owing to the engagement of the projection 18 into the spiral slot 7 and into the straight slot 12 in the stationary shell 11, said slot 12 acting as a guide

for said projection 18 or, in other words, as a fulcrum which renders the motion of the carrier 13 possible. As the spiral slots 6 and 7 are inversely convoluted or twisted, an inward motion of the cap 14-15 off closing position is translated into an outward motion of the carrier 13 and stick S whereas, conversely, an outward motion of the cap 14-15 towards closing position is translated into an inward motion of the carrier 13 and stick S. This means that by merely shifting the cap 14-15 along the outer wall of the casing 1 after having rocked said cap off the open end of said casing, the user can single-handedly cause automatic ejection of the stick S for easy make-up purposes and subsequently cause automatic retraction or withdrawal of the stick S by a reverse displacement of the cap 14-15.

All parts of the improved lip-stick holder may be made advantageously of metal or alloy or an equivalent strong material and may be decorated or ornamented. The external shape of the cap head 14 may be made to suit fashion although a plain dome shape as the one shown is satisfactory from the aesthetical point of view.

Minor constructional details may of course vary without departing from the ambit of the subjoined claims.

What I claim is:

1. A lip-stick holder comprising, in combination, an outer casing open at one end and having straight slots extending over a portion of its length nearly to its open end, a rotary sleeve located in the casing and formed with a pair of oppositely convoluted spiral slots, a movable shell interposed between the casing and sleeve having a projection engaging one of said spiral slots, a stationary shell interposed between the casing and sleeve and having a straight longitudinal slot, a longitudinally movable stick carrier located in the sleeve and having a projection engaging the last-named slot and other spiral slot, and a cap having a head of a size matching that of the open end of the casing and a pair of ears swivelled to the movable shell by pivots passing through the casing slots, said ears being long enough to permit said head to be slidable along the outer wall of the casing after rocking of said head off the open end of the casing.

2. A lip-stick holder comprising, in combination, an outer tubular casing open at one end and having a pair of diametrically opposed straight slots extending over a portion of its length nearly to its open end, a rotary sleeve located in the casing and formed with a pair of oppositely convoluted spiral slots extending from its respective ends, a movable shell interposed between the casing and sleeve and encompassing a portion of the sleeve periphery, said movable shell having a projection engaging one of said spiral slots, a stationary shell interposed between the casing and sleeve and having a straight longitudinal slot, said stationary shell encompassing the remainder of the sleeve periphery, a longitudinally movable stick carrier located in the sleeve and having a projection engaging the other spiral slot and the slot in the stationary shell, and a cap comprising a head of a size matching that of the open end of the casing and a pair of ears swivelled to the movable shell by pivots passing through the casing slots, said ears being long enough to permit the cap head to be slidable along the outer wall of the casing after rocking of said head off the open end of the casing.

3. A lip-stick holder comprising, in combination, an outer tubular casing open at one end

and having a pair of diametrically opposed holes adjacent its open end and a pair of diametrically opposed straight slots extending over a portion of its length in alignment with said holes, a rotary sleeve located in the casing and formed with a pair of oppositely convoluted spiral slots extending from its respective ends, said spiral slots having their inner ends in spaced overlapping relation, a movable shell interposed between the casing and sleeve over a portion of the sleeve periphery and having a projection engaging the spiral slot adjacent the open end of the casing, a stationary fulcrum shell interposed between the casing and sleeve in the peripheral gap left by the movable shell and having a straight longitudinal slot extending over a portion of its length from its end remote from the open end of the casing, a longitudinally movable stick carrier located in the sleeve and having a projection engaging the other spiral slot and the slot in the stationary shell, and a cap having a dome-shaped head of a size matching that of the open end of the casing and a pair of sym-

metrical ears swivelled to the movable shell by pivots passing through the casing slots, said ears having beads which can snap into the holes in the casing and being long enough to permit the cap head to be slidable along the outer wall of the casing after rocking of said head off the open end of the casing. 5

4. A lip-stick holder comprising a casing open at one end and having straight longitudinal slots, a sleeve revoluble in the casing and having a pair of oppositely convoluted spiral slots, a movable shell having a projection engaging one of the spiral slots, a stationary shell having a straight longitudinal slot, a stick carrier movable longitudinally in the sleeve and having a projection engaging the last-named slot and the other spiral slot, and a cap rockably straddling the open end of the casing, said cap having a pair of ears swiveled to the movable shell so that sliding movement of the cap in one direction along the casing effects longitudinal travel of the carrier in the opposite direction. 10 15 20

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