The present invention relates to cases for lipsticks, cosmetics and other products.

The cases used for this purpose up to the present time, require, for their operation, the use of both hands, one holding the body of the case and the other operating upon the rotating lower part for causing the lipstick to project from said case or to be retracted thereinto.

The object of the present invention is to provide a case of the type above described which avoids this drawback, that is to say which does not require the action of both hands for being operated.

According to the essential feature of the present invention, the operating member is located at the upper part of the case, so that the person holding the case in her hand can, with the thumb of said hand, open the cover and move the operating member angularly, by a mere displacement of said hand. The other hand will be free, so as to permit of holding a looking glass.

The operating member in question may consist of a projecting lug, a milled ring, or even the cover after it has been opened.

This case, which is operated in a manner somewhat similar to that used for some cigarette lighters, has, in view of its structure, a particular appearance which differentiates it from existing lipstick cases.

Other features of the present invention will result from the following detailed description of some specific embodiments thereof.

Preferred embodiments of the present invention will be hereinafter described, with reference to the accompanying drawings, given merely by way of example, and in which:

Fig. 1 shows, in elevational view, a case for a lipstick, made according to a first embodiment of the present invention;

Fig. 2 is a plan view corresponding to Fig. 1;

Fig. 3 is an elevational view, analogous to Fig. 1, showing the cover of the case in the opened position;

Fig. 4 is a plan view corresponding to Fig. 3;

Figs. 5 and 6 are an elevational view, and a plan view, respectively, corresponding to Figs. 3 and 4, showing the cover moved angularly with respect to the outer body of the case, about the geometrical axis thereof, in such manner that the cosmetic stick projects from the case;

Fig. 7 is a longitudinal sectional view of the case, on an enlarged scale so as to show the structure of the case according to the invention;

Fig. 7a is a partial side view of the case shown in Fig. 7, but with its cap in the closed position;

Fig. 8 is a transverse sectional view on the line VIII—Ill of Fig. 7;

Fig. 9 is a view, analogous to Fig. 7, showing the cosmetic stick in its extreme outward position with respect to the case;

Figs. 10 and 11 are views analogous to Figs. 1 and 2 showing another embodiment of the case according to the present invention;

Figs. 12 and 13 are views, similar to Figs. 3 and 5, respectively, of the case according to the embodiment of Figs. 10 and 11;

Figs. 14 and 15 are views, similar to Figs. 7 and 9 respectively, of the embodiment of Figs. 10 and 11;

Fig. 16 is a sectional view on the line XVI—XVI of Fig. 15.

The case shown by Figs. 1 to 9 includes a body 1 and a cover 2 pivoted to said body at 3. On the inside of this body, which, externally, may be of cylindrical or prismatic shape (that is to say of circular or polygonal cross section), and which may be made of precious metal, I fit the cosmetic stick 4. This cosmetic stick is carried by a cylindric cap 5 (Figs. 7 and 9) adapted to slide in a tube 6 which acts as a guide for it. coaxially with this tube 6, I provide a second tube 7 the upper end of which carries one or several knuckles 8 carrying the pin 9 about which the cover 2 can pivot. The inner tube 6 is fitted, at its upper part, with an outward flange 9, and its bottom 10 is fixed at 11 to the bottom 12 of the external body 1. It will be understood that, with such an arrangement, tube 7, the lower part of which bears against the bottom 12 of body 1, can be moved angularly about the axis x—x of the case but cannot be moved longitudinally in the direction of said axis.

Tube 7 is provided with a helical groove 13 extending over about one half of the circumference thereof and the pitch of which corresponds to the maximum of 50 displacement to be imparted to the cosmetic stick for making use of the whole of it.

A pin 14 is engaged in said groove, and said pin extends inwardly as far as 15 into cap 5, so as to hold the cosmetic stick therein.

Furthermore, this pin 14 engages in a slot 16 extending along a generatrix of tube 6.

It is clear that, with such an arrangement, when tube 7 and therefore helical groove 13 are moved angularly about axis x—x, pin 14 (which cannot be displaced angularly since it is held by slot 6) is acted upon and is thus caused to move longitudinally along axis x—x.

To enable the cap 2 to be set in its closed position, it is provided with a notch as at N (Figs. 55
7, 7a, 9) arranged so as to accommodate the stud portion 8 of the lug 8 when the cap 2 is moved to closed position. Consequently, the operation of the case is very easy. This case, supposed to be closed, is held in a single hand. The thumb of this hand acts on cover 2 in the direction of arrow F, so as to cause it to pivot about pin 3 (Figs. 3 and 4). Motion, by pushing case, cover, by means of the thumb, in the direction of arrow P2, said cover is moved angularly, together with tube 7 on which it is mounted. The groove 13 of this tube acts on pin 14 and the cosmetic stick is moved in the direction of arrow P2 the distance necessary for permitting of using it.

As an angular displacement of 180° of groove 13 is sufficient for ensuring the translatory displacement of the cosmetic stick corresponding to the full stroke thereof, as shown by Fig. 5, it is clear that this half revolution of the cover is possible by acting with the thumb thereon, while holding case 1 with the same hand. 

A movement in the opposite direction causes the cosmetic stick to be retracted into the case.

The guiding groove 16 existing in tube 6 might be provided directly in the thickness of body 1 if this thickness is insufficient, for instance when the body of the case is made of a metal or a matter which is relatively cheap. Of course, in this case, tube 6 would be dispensed with and tube 7 would include a bottom fixed by loose riveting at 14 in the cover manner as to permit rotation of said tube 7.

According to another embodiment, illustrated by Figs. 10 to 16, and also given merely by way of example, instead of moving groove 13 with respect to lug or pin 14, I produce the reverse movement, that is to say I move pin 14 with respect to groove 13.

In order to obtain this result, tube 7, which is provided with groove 13, is kept in fixed position, for instance by being welded at 17 to the bottom 12 of casing 1. On the contrary, tube 6 is movable angularly about axis x—x (a loose riveting may be provided at 11a in such manner as to avoid possibility of a translation in the direction of axis x—x). The operating member, which might also be constituted by this case, the knuckle or knuckles 8 would be secured to tube 6 instead of being carried to tube 7 in the embodiment of Fig. 7, advantageously consists of a lug or knob 16, rigid with tube 6.

Referring to Figs. 10 to 15, the operation of the case is the following:

After having pivoted cover 2 about hinge 16, carried by body 1, lug 18 is pushed by the thumb in such manner as to turn it in the direction of arrow F2. This action produces a rotation of tube 6 which, through its longitudinal slot 16, pushes pin 14 along helical groove 13 and thus causes the cosmetic stick to move upwardly in the case, so that said stick can be brought into the end position shown by Fig. 15.

By acting in the opposite direction to that indicated by arrow F, the cosmetic stick is retracted into the case.

In order to permit of closing the cover 2 despite the presence of arm 20 which connects lug 18 to tube 6, I provide a notch in said cover at 21. The correct positioning of this arm 20 with respect to cover 2 is ensured at the time of the closing by bringing said arm 20 into contact with abutment 22 carried for instance by tube 7, as shown by Figs. 15, 15 and 16.

The notch 21, lug 20, and abutment 22 provide locking means for preventing relative rotation between the cap, casing, and rotary member thereof, when the cap 2 is in its closed position. It will be readily understood that, in the embodiment shown by Figs. 10 to 16, helical groove 13 might be provided directly in body 1 and that, under these conditions, tube 1 might be dispensed with.

In a general manner, while I have, in the above description, disclosed what I deem to be practical and efficient embodiments of the present invention, it should be well understood that I do not wish to be limited thereto as there might be changes made in the arrangement, disposition, and form of the parts without departing from the principle of the present invention as comprehended within the scope of the accompanying claims.

What I claim is:

1. A container and holder for cosmetic and like sticks, comprising a generally cylindrical casing open at one end, a rotatable tubular member in said casing, said member having an open end projecting from said casing end and generally narrower than the casing, a lug on said member end, extending radially beyond the casing, a cap tilting hinged on said lug, said cap being provided with a notch in its edge portion and adapted, when in the closed position, to fit on said member end, with its edge abutting on that of said casing end, its outer side surface flush with that of the casing and its notch accommodating said projection on said member.

2. A container and holder for cosmetic and like sticks, comprising a generally cylindrical casing open at one end, a rotatable tubular member in said casing, said member having an open end projecting from said casing end and generally narrower than the casing, a lug on said member end, extending radially beyond the casing, a cap hinged on said lug, said cap being provided with a notch in its edge portion and adapted, when in the closed position, to fit on said member end, with its edge abutting on that of said casing end, its outer side surface flush with that of the casing and its notch accommodating said lug, and when tilted back into the open position, to form a thumb grip for rotating said member, a shiftable stick-carrier in said member, and means operable by rotation of said member for shifting said carrier so as to move said stick through said open member end.
5. A container and holder for cosmetic and like sticks, comprising a generally cylindrical casing open at one end, a rotatable tubular member in said casing, said member having an open end projecting from said casing end and generally narrower than the casing, a thumb grip on said member end, extending radially beyond the casing, for rotating said member, a shiftable stick-carrier in said member, means operable by rotation of said member for shifting said carrier so as to move said stick through said open member end.

GEORGES ALBERT JULIEN BEZAULT.