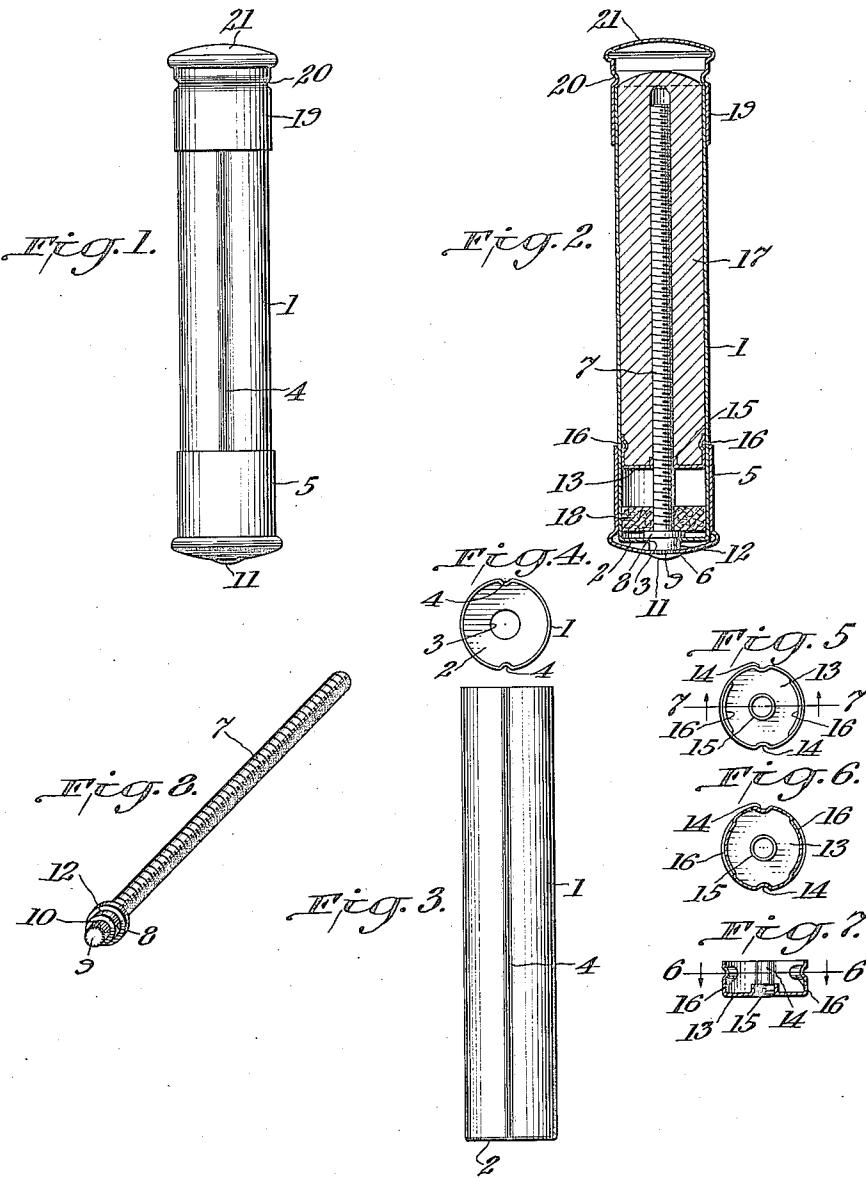


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LE ROY ROOT
LIP STICK CONTAINER
Filed June 1, 1922



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UNITED STATES PATENT OFFICE.

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LIP-STICK CONTAINER.

Application filed June 1, 1922. Serial No. 565,022.

To all whom it may concern:

Be it known that I, LE ROY ROOT, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented a certain new and useful Improvement in Lip-Stick Containers, of which the following is a full, clear, and exact description.

This invention relates to containers for cosmetics, and, particularly, to lip-stick containers.

One object of the invention is to provide a lip-stick container of simple, cheap, practical and durable construction, and one which in use will prevent the fingers, clothes and other things belonging to the user from becoming soiled by leakage from it or by contact with it.

A further object of the invention is to provide a container with simple means for ejecting the lip-stick to just the required degree for use, the same means being capable, when so desired, of retracting the stick within the container.

The container is, moreover, neat, attractive and symmetrical in appearance, which attributes are of considerable importance in commodities of this character.

The invention consists in a lip-stick container comprising a tubular, preferably cylindrical, body having an end cap revolvably mounted thereon and connected for rotation with respect thereto by a screw-threaded stem extending axially of the body and free to rotate therein when actuated by rotation of the cap, with which latter it is fixedly connected, the stem providing the means whereby a follower may be actuated to eject or retract the lip-stick; and a packing interposed between the follower and the bottom of the container to prevent leakage of the lip-stick material, which, usually, is of such a nature as to become soft and oily when only slightly warmed, as by contact with some part of the body of the user, a closure cap being provided for the opposite end of the container, as I will proceed now to explain and finally claim.

In the accompanying drawings illustrating the invention, in the several figures of which like parts are similarly designated, Figure 1 is an elevation of the container. Fig. 2 is a longitudinal axial section of same showing the lip-stick in partly ejected po-

sition. Fig. 3 is an elevation of the body, and Fig. 4 is a plan view thereof. Fig. 5 is a plan view of the follower, Fig. 6 is a section of same taken in the plane of line 6—6, Fig. 7, and Fig. 7 is a section of same taken in the plane of line 7—7, Fig. 5. Fig. 8 is a perspective view of the stem detached.

Referring more particularly to the drawings, 1 indicates the body, having a bottom 2 provided with an axial perforation 3, the body having beads 4 arranged diametrically opposite each other and extending the full length of same.

Revolvably mounted at the bottom of the body is a cap 5 having an axial perforation 6. Through the perforations 3 and 6 extends the screwthreaded stem 7 having a shoulder 8 abutting against the inside of the bottom 2 and an extension 9 provided with flutes 10 which engage similar flutes in the periphery of the perforation 6 to prevent relative rotation between the cap 5 and the stem 7, the protruding end of the extension 9 being headed over as at 11 to fixedly unite the cap and stem and at the same time connect the cap with the body. It should be noted that the convexity of the cap end provides a slight distance between the cap and the bottom 2 of the body, and this tends to give a double bearing to the stem, thereby keeping it in true axial alinement in the body. This distance is filled by the laterally enlarged portion 12 of the stem 7 which provides a shoulder against which the cap may be held when the heading is done at 11, thereby preventing binding between the cap and body and permitting the cap to be turned freely. The rim of the cap furnishes a relatively long bearing on the cylindrical surface of the body.

Mounted within the body, and of a diameter to give an easy sliding though relatively snug fit within it, is a follower 13 of cup form having depressions 14 complementary to the beads 4 and adapted, by cooperative engagement with them to prevent rotative though allowing longitudinal sliding movement of the follower within the body. It is to be noted that two beads and depressions are provided, but this is not essential, as, from a standpoint of efficiency one of each would answer, but by forming the body with two beads it is given a more symmetrical and attractive outer surface. The follower is

provided with a short axial sleeve 15 screw-threaded complementally to and adapted to cooperate with the stem 7. The cupped sides of the follower are provided with segmental beads 16 adapted to engage the material of the lip-stick 17 so that in addition to ejecting the stick the follower may retract it, as desired.

It will be noted that the screwthreads on the stem and follower are left-hand threads. This is done so that when the end cap 5 is rotated clockwise, as would be the normal way for the user to rotate it, the lip-stick will be ejected.

Inserted between the bottom 2 of the body 1 and the follower 13 is a soft felt or other similar packing 18 which prevents any of the lip-stick material which might leak downwardly past the follower from gradually working out of the container around the upper edge of the end cap 5.

A closure cap 19 is provided, having a bead 20 spaced a slight distance below its outer end and adapted, when the cap 19 is in place upon the body, to contact with the end of the body to thereby hold the top 21 of the cap out of contact with the end of the lip-stick, thereby permitting the user to eject the lip stick to the extent required for efficient use and allow it to remain in such ejected position after use without the liability of soiling the closure cap and consequently the sides of the body and the fingers or clothing of the user.

In filling the container, the follower is screwed down as far as the packing 18 will permit, and then the lip-stick material in a hot, fluid state is poured in from the top and allowed to cool and solidify.

Although I have herein shown and described a specific embodiment of my invention, it is to be understood that I do not consider it as limited to such specific embodiment, as it is obvious that various changes may be made in details of construction and arrangement of parts without departing from the spirit of the invention or the scope of the following claims.

What I claim is:—

1. In a lip-stick container, a tubular body, an end cap, a threaded stem providing a revoluble connection between said body and cap and non-revoluble with respect to said cap, and a follower mounted within said body and having cooperative engagement therewith and with said threaded stem, whereby by relative revoluble movement between said body and cap said follower will be moved longitudinally of said body.

2. In a lip-stick container, a tubular body provided with a bottom having a central perforation, an end cap, a threaded stem extending through said perforation and revoluble therein and rigidly connected with said cap whereby revoluble movement may be

imparted to the stem by revolution of the cap, and a follower mounted within said body and having cooperative engagement therewith and with the thread of said stem, whereby by relative revoluble movement of said body and cap said follower will be moved longitudinally of said body.

3. In a lip-stick container, a tubular body provided with a bottom having a central perforation, an end cap revolubly engaging said body, a threaded stem extending through said perforation and having a shoulder engaging the inner surface of the bottom of the body and its outer end fixedly secured to said cap whereby revoluble movement may be imparted to it through said cap, and a follower mounted in and cooperatively engaging said body and threaded stem, whereby relative revoluble movement between said body and cap will move said follower longitudinally of said body.

4. In a lip-stick container, a tubular body having a bottom and an end cap provided with registering perforations, and a shouldered screwthreaded stem in said body and extending through said perforations and revoluble in the perforation in the body but non-revoluble in the perforation of the cap, said cap being held in spaced operative relation to said body by said stem.

5. In a lip-stick container, a tubular body having a bottom, an end cap, a screwthreaded stem mounted in said body and forming a revoluble connection between said body and cap and revoluble with said cap, a follower in said body in operative engagement therewith and with the thread of said stem, and a packing member interposed between said follower and the bottom of the body, for the purpose specified.

6. In a lip-stick container, a tubular body, an end cap, a screwthreaded stem forming a revoluble connection between said body and cap and revoluble with said cap, a follower within said body cooperatively engaging said stem, and cooperating means on said body and follower to prevent relative rotative movement therebetween, whereby by rotation of said cap said follower will be moved longitudinally of said body.

7. In a lip-stick container, a tubular body, an end cap, a screwthreaded stem arranged axially of said body and forming a revoluble connection between said body and cap and revoluble with said cap, a follower in said body in cooperative engagement therewith and with the screwthread of said stem, said body adapted to be filled with lip-stick composition above said follower, and means in said follower to prevent its separation from said lip-stick material, whereby relative movement between said body and cap will impart longitudinal movement to the lip-stick material either outwardly or inwardly with respect to said body, as desired.

8. In a lip-stick container, a tubular body, lower by virtue of its threaded connection 10
an end cap, a follower mounted within said therewith, and a closure cap for said body.
body and movable axially thereof and held In testimony whereof I have hereunto set
against relative rotation therein, a screw- my hand this 27th day of May, A. D. 1922.
5 threaded stem passing axially through said
body, cap and follower and forming a revo- LE ROY ROOT.
luble connection between said body and cap
and revoluble with said cap and adapted to
impart longitudinal movement to said fol-

Witnesses:

GEO. D. POWER,
E. H. CALLANAN.