Sept. 20, 1949. H. F. REICHENBACH 2,482,368

LIPSTICK HOLDER

Filed Sept. 23, 1946

Fig. 1

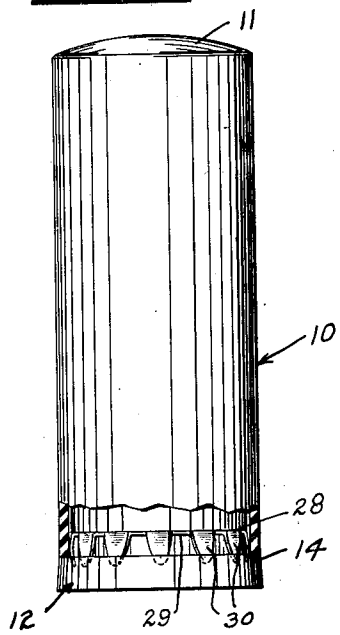


Fig. 2

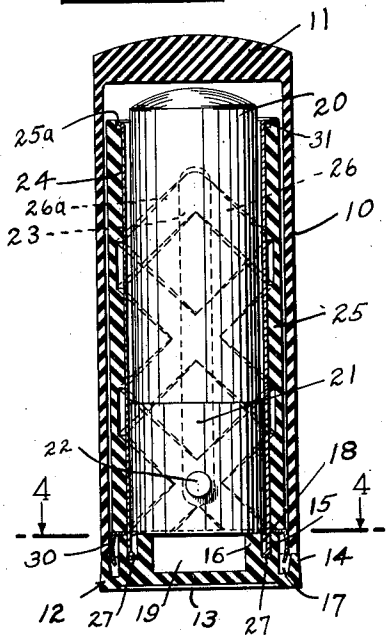


Fig. 3

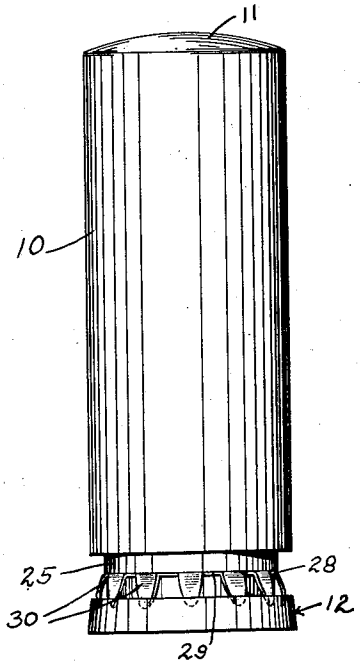
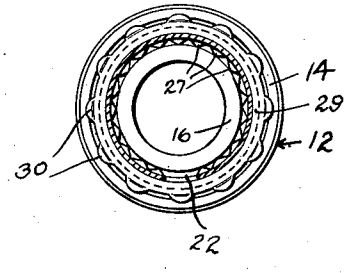


Fig. 4



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LIPSTICK HOLDER

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5 Claims. (Cl. 206—56)

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This invention relates to lipstick applicators and containers therefor, and more particularly to a device of the above nature having means to positively prevent the tubular outside cover cap from coming off the base thereof when not in use.

One object of the present invention is to provide a horizontal cap-retaining ring adapted to rest upon an upstanding rib on the base of the holder, and provided with a series of depending outwardly bent spring fingers for pressing outwardly upon the inner surface of the bottom of the lipstick cap to hold it detachably in closed position.

A further object is to provide a lipstick container of the above nature in which the slotted metal shell surrounding the elevator is secured to the base by a series of inturned lugs which are frictionally engaged in an annular intermediate recess formed in said base.

A further object is to provide a lipstick holder of the above nature, which will be simple in construction, inexpensive to manufacture, easy to install and manipulate, compact, ornamental in appearance, and very efficient and durable in use.

With these and other objects in view, there has been illustrated on the accompanying drawing one form in which the invention may conveniently be embodied in practice.

In the drawings,

Fig. 1 represents a side view, partly in section, of the improved lipstick holder.

Fig. 2 is a longitudinal section view of the lipstick holder.

Fig. 3 is a side view of the same, as it appears when the cover cap is in raised position and out of contact with the spring fingers of the base ring.

Fig. 4 is a transverse sectional view, taken along the line 4—4 of Fig. 2, looking in the direction of the arrows.

In the use of lipstick holders, due to the great variation in diameter of molded plastic parts, it is difficult to maintain a good friction fit between the tubular cover cap and the base of the holder. In fact, in mass production, the interior of such caps may vary as much as fifteen thousandths of an inch in diameter, and when closed upon the base some of the caps are likely to work loose and come off and cause the lipstick to soil the contents of the handbag or other receptacle.

The present invention eliminates the above and other disadvantages by providing a horizontal base ring having outstanding resilient spring fingers for engaging the inside of the cap.

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The cap-holding ring has an open center and a flat horizontal top band, from which depend a series of rounded spring fingers which are inclined outwardly to engage the inside of the cover cap, thus detachably holding said cap in closed position.

Referring now to the drawings in which like reference numerals denote corresponding parts throughout the several views, the numeral 10 indicates a cylindrical open-ended cover cap, preferably constructed of molded plastic. The cap 10 is provided with a thickened closed upper end 11, and is adapted to be mounted on a plastic base 12 having a bottom shallow recess 13. The base 12 is provided with a short outer upstanding rim 14, within which is an intermediate upstanding rim 15, and an inner upstanding rim 16. The rims 15 and 16 are greater in height than the outer rim 14, as shown in Fig. 2.

Located between the rims 14, 15 and the rims 15, 16 respectively, are a pair of annular recesses 17, 18.

In order to reduce weight, the base 12 is also provided with a central circular recess 19 inside of the rim 16.

A lipstick 20, carried in an elevator 21 having a side cylindrical lug 22, is adapted to slide up and down within a vertical slot 23 formed in a cylindrical inner metallic shell 24—said slot 23 extending about three-quarters of the length of said shell 24, as shown in Fig. 2.

Surrounding the inner shell 24 is a screw shell 25, preferably of plastic, which is adapted to rotate with respect to the inner shell 24, and is provided with a pair of reversed helical inner grooves 26, 26a. The top of the plastic shell 25 is provided with an inner shouldered annular recess 25a for receiving an outturned rim 31 formed on the upper end of the inner metal shell 24, for permanently holding the outer shell 25 loosely in operating position.

The bottom of the inner metal shell 24 is seated within the intermediate recess 18, and is held frictionally rigidly therewithin by means of a plurality of inturned lugs 27, forced into said recess 18 during the assembly operation.

In order to hold the outer cap 10 securely in detachable closed position, provision is made of an annular ring 28 having a horizontal circular inner section 29, and a plurality of uniformly spaced depending oval-tipped inclined spring fingers 30. The fingers 30 serve to frictionally engage the bottom of the cover cap 10, as clearly shown in Figs. 1 and 2, and detachably hold it from coming off, thus preventing the lipstick 20

from soiling the contents of the handbag or other receptacle for the lipstick holder. Preferably the bottoms of the spring fingers **30** should extend into the groove **17**, as shown, for the purpose of preventing the tips of the fingers from digging into the cap or catching lint.

Operation

In operation, after first removing the cap **10**, the lipstick **20** may be raised out of the plastic screw shell **25** by manually rotating said shell—the helical grooves **26** and **26***a* causing the lug **22** to travel upwardly in the vertical slot **23** of the inner metal shell **24**.

When through using the lipstick, the screw shell **25** will be rotated in the reverse direction, causing the elevator and lipstick cake to be retracted to its lowermost position, shown in Fig. 2.

The cover cap **10** will then be again placed over the outside of the shell **26**, and pressed downwardly as far as it will go to the frictional locking position shown in Figs. 1 and 2 of the drawing.

One advantage of the present invention is that the inclined spring fingers **30** of the horizontal base ring **28** will prevent the interior lipstick carrier **21** from twisting in its holder shell **24** which would elevate the lipstick and cause it to rub off on the inside of the top of the cover cap.

While there has been disclosed in this specification one form in which the invention may be embodied, it is to be understood that this form is shown for the purpose of illustration only, and that the invention is not to be limited to the specific disclosure, but may be modified and embodied in various other forms without departing from its spirit. In short, the invention includes all the modifications and embodiments coming within the scope of the following claims.

Having thus fully described the invention, what is claimed as new and for which it is desired to secure Letters Patent is:

1. In a lipstick holder, a lipstick-carrying elevator, a base, a cover cap, a metal shell secured to said base, said base having an annular exterior shoulder, and an annular cap-locking flat ring seated on said shoulder and having depending inclined spring fingers for detachably engaging the inside surface of the lower end of said cover cap frictionally when it is forced downwardly thereover.

2. The invention defined in claim 1, in which said base has an annular recess located within said shoulder into which said fingers extend.

3. The invention defined in claim 1, in which said spring fingers are oval-tipped.

4. The invention defined in claim 1, in which said spring fingers are widely spaced apart around the circumference of said base ring.

5. In a lipstick holder, a lipstick-carrying elevator, a base, a cover cap, a metal shell secured to said base, said base having an annular exterior shoulder, and an annular cap-locking flat ring seated on said shoulder and having depending inclined spring means for detachably engaging the inside surface of the lower end of said cover cap frictionally when it is forced downwardly thereover.

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