Feb. 13, 1945 W. E. DONEGAN 2,369,341

RECEPTACLE

Filed Nov. 23, 1943

Fig. 2.

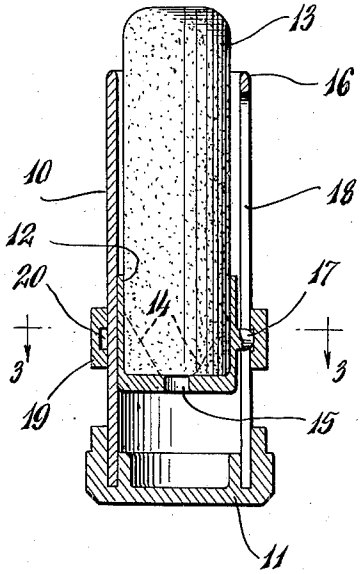


Fig. 1.

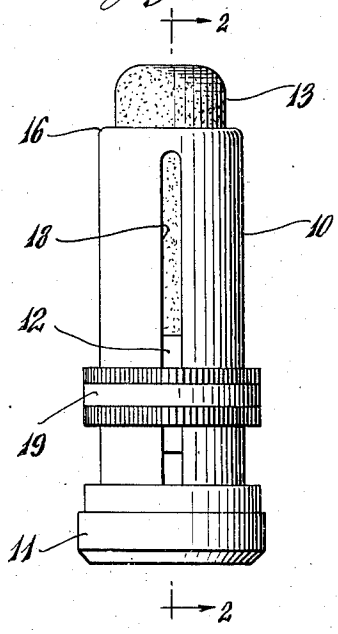


Fig. 3.

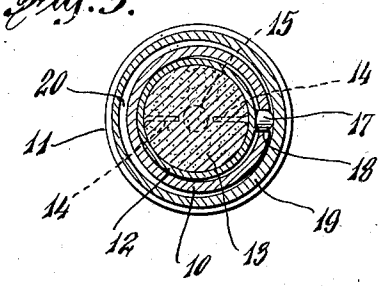


Fig. 4.

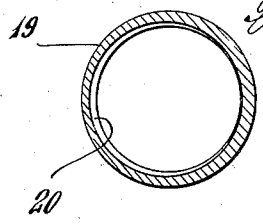
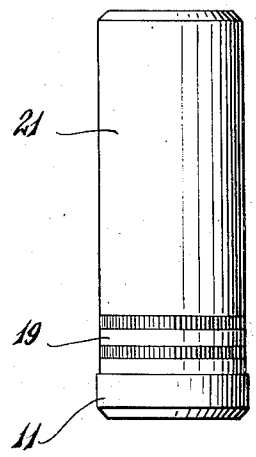


Fig. 5.



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RECEPTACLE

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Application November 23, 1943, Serial No. 511,391

5 Claims. (Cl. 206—56)

This invention relates to receptacles, and, more particularly, to improvements in holders for lipsticks, chapsticks, crayons, and similar expendable materials in stick form.

The principal object of the invention is to provide a receptacle of the kind referred to above which is adapted to serve as a convenient handle during the application of the lipstick, for example, to the user's lips, and to provide full protection for the stick material when it is not in use.

It is a further and more specific object of the invention to provide a holder having a barrel portion within which the stick material is telescopically mounted so that its free end may be projected a desired amount and be locked in position for immediate application, or into which the entire stick may be drawn and locked when it is not in use so that it may then be fully protected against damage to itself or to other objects with which it might come into contact.

Another object of the invention is to provide a holder of the foregoing kind having a follower element slidably mounted on the barrel which is adapted to serve as a handy means for advancing the stick material to an operative position, and for retracting that stick to a protected position within the barrel; and also having a cam which responds to rotation of the follower on the barrel and serves either to lock the stick in any adjusted position, or to free it for further adjustment as the facts of the particular case may require.

It is yet a further object of the invention to provide a holder in accordance with the foregoing, which is of simple basic design, well adapted to be executed in plastic, metal or other suitable material, more cheaply and more satisfactorily than conventional holders of anything like comparable utility.

The foregoing and other objects of the invention, as well as various features thereof, will be more fully understood from a consideration of the following detailed description of one embodiment of it, as illustrated in the accompanying drawing in which:

Figure 1 is an elevational view of a holder constructed in accordance with the invention, in which the stick material has been advanced to a position for immediate usage.

Fig. 2 is a sectional view taken on the line 2—2 of Fig. 1, and illustrating the internal arrangement of the parts.

Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2.

Fig. 4 is a sectional view of the follower element of the holder, the section being taken on substantially the same line as that of Fig. 3; and

Fig. 5 is an elevational view of the holder of Fig. 1 in which the stick material has been retracted to its protected position, and a cap has been applied to the barrel to complete the device.

In the drawing, and referring to Figs. 1 and 2, numeral 10 designates a barrel element having one end closed by a base 11, and adapted to form a housing within the bore of which is slidably mounted a thimble 12. As here shown, the thimble is a simple cup-like part into which one end of a lipstick or the like 13 may be inserted, and is preferably provided with one or more tines or ribs 14 which serve to dig into the stick material and thus anchor it in place. The hole 15 in the bottom of the thimble serves as a vent for air which would otherwise be trapped and form a cushion under the end of the stick during its insertion,—a factor which would seriously interfere with the loading of the holder.

In order to facilitate adjustment of the thimble, and hence of the position of the free end of the stick 13 with respect to the mouth 16 of the barrel, the thimble is provided with an external lug 17 which projects through a slot 18 in the barrel; and the barrel has a ring-like follower 19 slidably mounted on its outer surface and overlying the end of the lug 17. Thus a simple straight-line movement of the follower along the barrel serves to advance the thimble 12, and project the end of the lipstick to a position such as that shown in Figs. 1 and 2, ready for immediate application to a user's lips, during which operation the barrel and base serve as a convenient handle or applicator. Obviously when the operation is complete, a movement of the ring along the barrel towards the base will serve to draw the stick into a protected position within the barrel.

At this point it will be noted that the thimble fits rather loosely within the barrel so that it is adapted to slide freely therein; and that it is of such length as to have adequate bearing surface so that it will not be canted into binding relation during any adjusting of the position of the lipstick. It will also be noted that the length of the barrel is such that when the thimble rests against its base, it is capable of covering substantially the entire length of the lipstick. It is thus well adapted to protect the stick against damage when it is not in use, and likewise, of course, to protect objects with which the stick might otherwise come into contact.

It is highly desirable that the lipstick be capable of being locked in any adjusted position within the barrel so that it will not slip during an application operation, for example, nor be accidentally advanced from its fully retracted position when the stick is not in use. In order to allow for such locking whenever the need for it may arise, the holder of the present invention is

provided with a cam element which is adapted to respond to a rotational movement of follower ring 19 to bind the thimble in its then adjusted position. In the preferred embodiment this cam takes the form of a groove 20 in the inner face of the ring, which groove is eccentric to that face and overlies the end of lug 17 of the thimble—all as clearly appears in Figs. 3 and 4. Thus, upon rotation of the ring to the position shown in Figs. 2 and 3, the shallower part of the groove 20 is brought to bear on the end of lug 17, thereby forcing the thimble to the left, as viewed in these figures, and causing it to bind against the inner surface of the barrel 10. In this position the frictional engagement between the surfaces is such that further sliding movement of the thimble is impossible, and the lipstick is thus locked in its operational position. If, on the other hand, the ring is rotated away from the position shown in Figs. 2 and 3, a deeper part of groove 20 will overlie lug 17, thus freeing that element from lateral pressure, and the thimble from engagement with the barrel. Under these circumstances the ring is free to be moved along the barrel, either towards or away from base 11, to advance or retract the stick as the case may be.

It will be evident from an inspection of Fig. 3 that when the lug 17 lies in the deepest part of groove 20,—the unlocked position—rotation of the ring in either direction will bring a shallower part of the groove 20 to bear on the lug—the locking position. This is of particular advantage in a device of this kind, for it relieves the user of any forethought as to the direction in which the ring must be turned. If the device is locked, then there is but one direction in which the ring can be turned, and that turning will unlock the thimble. If, however, it is unlocked, rotation of any kind will produce a locking action.

The holder is completed by the application of a cap 21 which serves to cover the mouth of the barrel and further protect the stick when it is not in use. Preparatory to the application of the cap, the ring 19 is loosened, and drawn towards the base to retract the lipstick within the barrel. The cap 21 then slips over the barrel, and its lower edge rests against the upper surface of the ring, forming a simple, generally cylindrical object of small size, which quite obviously may be executed in any suitably decorative outer design, as is shown in Fig. 5.

The illustrated holder is intended to be executed in plastic material, and its constituent parts are particularly designed to facilitate the use of such material. Thus the thimble is of cup-like form which can readily be molded, and the other parts are likewise adapted to such forming. It is particularly to be noted that the barrel is a simple cylinder having its mouth rounded off, and beaded if desired; and the slot 18 extends from a point closely adjacent the mouth clear through to the lower edge of the barrel. The latter feature, of course, allows for the insertion of the thimble into the barrel, the slipping-on of the follower 19, and, finally, the application of the base 11. The former feature, namely, the extension of the slot almost to the mouth of the barrel, renders that element somewhat more flexible than it otherwise would be, and thus makes possible a partial contracting of the barrel around the thimble during the locking operation.

While the holder is designed to be executed in plastic as mentioned above, it will be evident to those familiar with the art that it may be carried out in metal, wood, or other suitable material. It is further evident that certain changes may be made in the specific design of the parts—the thimble, for example, or the base—without departing from any of the objects and principles of the invention. Accordingly, it is intended that the foregoing shall be construed in a descriptive sense.

What I claim is:

1. A receptacle comprising a cylindrical barrel having a slot extending lengthwise thereof, a thimble slidably disposed within said barrel, a lug projecting from said thimble through said slot, and a ring slidably mounted on the outer surface of said barrel, said ring having a recessed portion confining the end of said lug whereby movement of said ring lengthwise along said barrel will produce a corresponding movement of said thimble within said barrel, said ring also having a cam portion which is adapted upon rotation of said ring to engage the end of said lug and frictionally bind said thimble against said barrel.

2. A receptacle comprising a cylindrical barrel having a slot extending lengthwise thereof, a thimble slidably disposed in said barrel, said thimble being adapted to receive and hold one end of a cosmetic stick, means on said thimble extending through said slot, and a ring-like follower slidably disposed on the outer surface of said barrel, said follower having an internal groove overlying the end of said means such that movement of the follower along the barrel produces like movement of said thimble within the barrel, said groove being eccentric to said follower whereby rotation of that element causes the inner surface of the groove to engage the end of said means and force said thimble into frictional locking engagement with the inner surface of said barrel.

3. A receptacle according to claim 2, further characterized in that said slot extends from one end of said barrel to a point adjacent the other end; and by the provision of a base element secured to that end of said barrel in which said slot opens.

4. A receptacle according to claim 2, further characterized in that said slot extends from one end of said barrel to a point adjacent the other end; by the provision of a base element secured to that end of said barrel in which said slot opens, and a cap element adapted to telescope over said barrel with its outer surface complementing that of said follower when that element is disposed adjacent said base.

5. A cosmetic holder comprising a cylindrical barrel having a slot extending lengthwise thereof, means slidably disposed within said barrel for receiving and holding a cosmetic stick, a lug projecting from said means through said slot, and a ring slidably mounted on said barrel, said ring having a groove on its inner surface overlying the end portion of said lug whereby movement of said ring along said barrel will produce a like movement of said means within said barrel, said groove being of varying depth such that rotation of said ring will cause it to bear laterally upon the end of said lug and frictionally bind said means in any adjusted position against said barrel.

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