

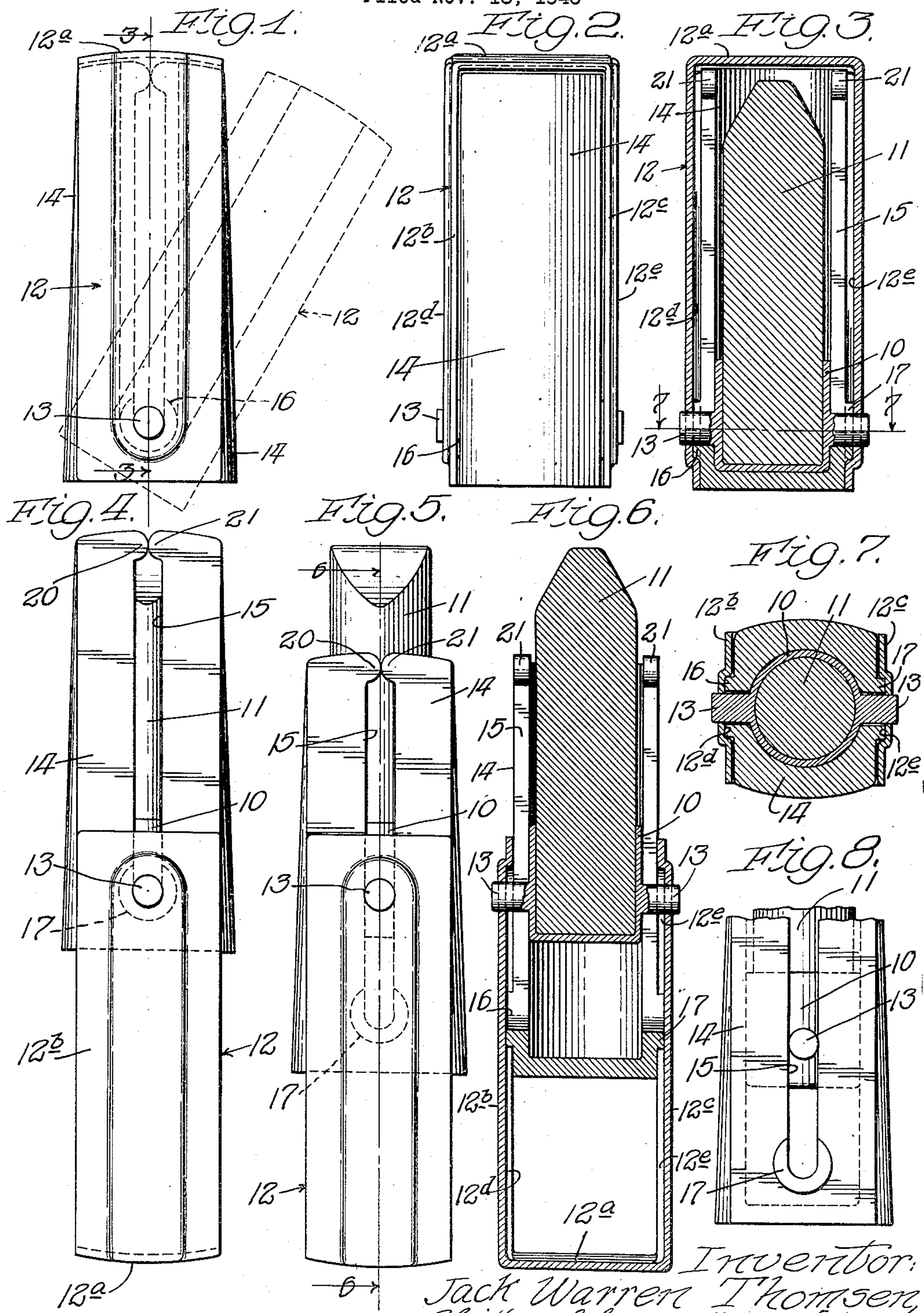
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APPLICATOR STICK CONTAINER

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APPLICATOR STICK CONTAINER

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This invention relates to an applicator stick container, and more particularly to a container having a pivotal outer casing member and means for locking said member in open position.

Applicator sticks, as for example lipstick and other cosmetics, are in exceedingly common use, and due to the character of the materials used it is necessary that such items be carried in a container in order that they do not soil the pocket or purse of the person by whom they are carried. In the past many attempts have been made to devise a satisfactory container for such applicator sticks, but all of the containers on the market are subject to certain undesirable features. For example, many of the common lipstick containers in use today comprise a cylindrical member which houses the lipstick or other applicator stick, and a slidably removable cover which encompasses the lipstick containing member. When it is desired to use the lipstick it is necessary to remove the cover and to hold it separate from the lipstick container proper during application of the lipstick. Thus the cover member is likely to become misplaced and in any event renders the application of the lipstick more cumbersome than is desirable.

Many attempts have been made to devise a one-piece container for such applicator sticks. However in the past all such devices known to applicant have been of impractical construction and lack design possibilities. For example many of such containers include a pivotal outer casing, but have no means for locking the casing in open position, with the result that the pivotal movement of the outer casing makes it difficult to apply the lipstick or other material. In containers of this type the design possibilities are a very important practical feature, and I am herewith disclosing and claiming an applicator stick container having a pivotal outer casing member thereby doing away with the separate two piece construction, having means for locking said member in open position so that the pivotal action of the outer casing does not encumber the application of the lipstick or other material, having an arrangement such that the outer casing member cannot be swung to closed position unless the lipstick and its mounting member have first been retracted to a suitable position such that the end of the lipstick cannot be mashed, and having a pleasing appearance, while the simple and practical construction allows for desirable design changes.

Other features and advantages of my improved applicator stick container will appear from the

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following specification and from the drawings, in which:

Figure 1 is a side elevation of a container embodying my inventions, with hidden parts shown in dotted lines to better illustrate the novel construction, and showing the pivotal outer casing in closed position in full lines and in partly open position in dotted lines; Figure 2 is a front elevation of the container shown in Figure 1 with the parts in closed position, Figure 3 is a vertical section through the container shown in Figure 1, taken on the line 3—3 of Figure 1; Figure 4 is a side elevation of the container shown in Figure 1 with the outer casing member in fully open position, but with the lipstick not exposed; Figure 5 is a side elevation of the apparatus as shown in Figure 4 with the lipstick partially exposed; Figure 6 is a vertical section through the apparatus as shown in Figure 5 taken on the line 6—6 of Figure 5; Figure 7 is a horizontal section taken on the line 7—7 of Figure 3; and Figure 8 is a fragmentary side elevation of the apparatus as shown in Figure 5 with the outer casing removed.

While my improved container is shown in the drawings and will be hereinafter described as a lipstick container, it will be obvious that it is adapted to be used as a container for other applicator sticks as well. Referring now to the drawings an inner cup-shaped member 10 is adapted to hold an applicator stick, as for example the lipstick 11. The member 10 is here shown as being of circular cross section, but obviously it may be of any desired cross section to accommodate the applicator stick used. An outer member indicated generally at 12 is pivotally joined to said inner member, such joinder being effected by means of the pivot pin 13 which is shown as extending outwardly from opposite sides of the cup-shaped member 10 near the base thereof in the embodiment of my invention illustrated herewith. The member 12 is in the form of an inverted U and comprises a closed top 12a and side members 12b and 12c, said outer member 12 being open at the bottom and at two opposite sides. Each of the side members 12b and 12c has a longitudinally extending inwardly facing channel, as the channels 12d and 12e, and the pivot pin 13 is journaled through holes in these channels in each of said side members near the bottom thereof.

An intermediate member 14 having a closed bottom, side portions, and an open top encloses the member 10 and the lipstick. The side portions of the intermediate member have oppositely disposed slots, as the slot 15, which are adapt-

ed to slidably receive the pivot pin 13, said slots extending longitudinally from the top of said member to a point adjacent the base thereof in the embodiment of the invention illustrated so that the member 10 is slidable within the member 14, thus allowing the lipstick to be enclosed within said member as shown in Figures 1 through 4, or to be exposed as shown in Figures 5 and 6.

Extending from the sides of the intermediate member 14 adjacent the base of the respective slots are the outwardly extending trunnions 16 and 17, said trunnions being adapted to slide in the respective channels 12d and 12e. The trunnions 16 and 17 are here shown as being crescent shaped and as partially surrounding the base portion of each of the slots, although it will be readily understood that the trunnions may be formed in some other manner if desired.

As shown in full lines in Figure 1 and in Figures 2 and 3, when the lipstick container is in closed position, the intermediate member 14 encloses the cup-shaped lipstick holder 10 and the lipstick 11, and said intermediate member is encased in the inverted U-shaped outer member 12. The outer member is pivotal with respect to the inner and intermediate members, and is shown in dotted lines in Figure 1 in partially open position. Figure 4 shows the outer member 12 in fully open position, that is, pivoted 180° from the positions of Figures 2 and 3. In this pivoting action the outer member 12 pivots around the pivot pin 13, which is here shown as attached to the inner member 10, and also around the trunnions 16 and 17.

In order to expose the lipstick for use after pivoting the outer member 12 180° from its closed position, the intermediate member is slid downward (in the drawings), the pivot pin 13 sliding in the slots, and the trunnions 16 and 17 sliding in the respective channels 12d and 12e. This position of the apparatus is illustrated in Figures 5 and 6, and it will be seen that the intermediate member and the inner member no longer pivot about the same point with respect to the outer member. Consequently the outer member 12 is locked at the position shown in Figures 4, 5 and 6 so long as the intermediate member is slid down so that the trunnions 16 and 17 are no longer adjacent the pivot pin 13. In this position the trunnions 16 and 17 contact the walls of the respective channels 12d and 12e to lock the members against pivotal movement, thereby providing a lipstick container which may be easily grasped and manipulated to apply the lipstick.

When it is desired to close the container it is merely necessary to slide the intermediate member up to the position shown in Figure 4, and in this position the outer member is pivotal about the same point with respect to the intermediate and inner members, for the trunnions are adjacent the pivot pin, and the outer member may be pivoted to the closed position of Figures 1, 2 and 3.

It often happens that in sliding the intermediate member 14 with respect to the inner member 10 and the lipstick 11, the intermediate member is grasped in such a way as to squeeze together the sides of the slots. In the event this happens the pivot pin 13 will no longer be freely slidable within said slots, but will bind against the walls of said slots and cause the device to jam. In order to prevent this I provide means for maintaining said slots at a minimum predetermined width, this means comprising oppositely

disposed projections extending transversely into said slots from the sides of the intermediate member adjacent the top thereof. This means is very clearly shown in Figure 4 as the projections 20 and 21, each such projection extending into the slot to substantially the mid-point thereof, such projections thereby serving to maintain the slots at a minimum predetermined width despite the fact that pressure may be put on said intermediate member in such a manner as would otherwise tend to constrict the slots.

While a like result could also be obtained by terminating the slots short of the top of the intermediate member, I have found that the projections 20 and 21 accomplish the same result in an efficient manner while at the same time leaving an opening through which the pivot pin 13 may be entered in assembling the apparatus.

While I have shown and described certain embodiments of my invention, it is to be understood that it is capable of many modifications. Changes, therefore, in the construction and arrangement may be made without departing from the spirit and scope of the invention as disclosed in the appended claims.

I claim:

1. A lipstick container of the character described, including: an inner member adapted to hold said lipstick; an outer member pivotally joined to said inner member, one of said members having pivoting means extending from opposite sides thereof, and said outer member having oppositely disposed longitudinally extending inwardly facing channels; and an intermediate member enclosing at least a portion of said lipstick and inner member, and slidable with respect thereto, said intermediate member having oppositely disposed longitudinal slots adapted to slidably receive said pivoting means, and outwardly extending trunnions on opposite sides near one end of said slots, said trunnions being slidable in said channels and the engagement of said trunnions with said channels allowing said outer member to pivot only when said intermediate member is near one end of its range of slidable movement.

2. A lipstick container of the character described, including: an inner member adapted to hold said lipstick; an inverted U-shaped outer member having an open base, a top and oppositely disposed side members which are pivotally joined to said inner member at points adjacent said base, said side members having longitudinally extending inwardly facing channels; and an intermediate member enclosing at least a portion of said lipstick and inner member, and slidable with respect thereto, said intermediate member being adapted to be received between said side members and having outwardly extending trunnions on opposite sides thereof, said trunnions being slidable in said channels and allowing said outer member to pivot only when said intermediate member is near one end of its range of slidable movement with said lipstick entirely enclosed therein.

3. A lipstick container of the character described, including: a first member adapted to hold said applicator stick, said member having pivoting means extending from opposite sides thereof; an inverted U-shaped outer member having an open base, a top and oppositely disposed side members which are pivotally joined to said inner member at points adjacent said base, said side members having longitudinally extend-

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ing inwardly facing channels; and an intermediate member enclosing at least a portion of said lipstick and inner member, and slidable with respect thereto, said intermediate member being adapted to be received between said side members and having oppositely disposed longitudinal slots adapted to slidably receive said pivoting means, and outwardly extending trunnions on opposite sides near one end of said slots, said trunnions being slidable in said channels and allowing said outer member to pivot only when said intermediate member is near one end of its range of slidable movement.

4. A lipstick container of the character described, including: an inner member adapted to hold said lipstick; an outer member pivotally joined to said inner member, one of said members having pivoting means extending from opposite sides thereof, and said outer member having oppositely disposed longitudinally extending inwardly facing channels; and an intermediate member enclosing at least a portion of said lipstick and inner member, said intermediate member having a base, side portions, and an open top, said side portions having oppositely disposed slots adapted to slidably receive said pivoting means and extending longitudinally from a point near the top to a point adjacent the base of said intermediate member, and outwardly extending trunnions adjacent the base of said slots, said trunnions being slidable in said channels and allowing said outer member to pivot only when said intermediate member is so positioned that said trunnions are adjacent said pivoting means.

5. A lipstick container of the character described, including: a first member adapted to hold said applicator stick, said member having pivoting means extending from opposite sides thereof; an inverted U-shaped outer member having an open base, a top and oppositely disposed side members which are pivotally joined to said inner member at points adjacent said base, said side members having longitudinally extending inwardly facing channels; and an intermediate member enclosing at least a portion of said lipstick and inner member, said intermediate member having a base, side portions, and an open top, said side portions having oppositely disposed slots adapted to slidably receive said pivoting means and extending longitudinally from a point near the top to a point adjacent the base of said intermediate member, and outwardly extending trunnions adjacent the base of said slots, said trunnions being slidable in said channels and allowing said outer member to pivot only when said intermediate member is so positioned that said trunnions are adjacent said pivoting means.

6. A lipstick container of the character described, including: an inner member adapted to hold said lipstick, said member having a pivot pin extending from opposite sides near the base thereof; an inverted U-shaped outer member having a base, a top and oppositely disposed side members which are pivotally joined to said inner

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member at points adjacent said base, said side member having longitudinally extending inwardly facing channels; and an intermediate member enclosing at least a portion of said lipstick and said inner member and being adapted to be received between said side members, said intermediate member having a base, side portions, and an open top, said side portions having oppositely disposed slots adapted to slidably receive said pivot pin and extending longitudinally from a point near the top to a point adjacent the base of said intermediate member, and outwardly extending crescent shaped trunnions adjacent the base of said slots, said trunnions being slidable in said channels and allowing said outer member to pivot only when said intermediate member is so positioned that said trunnions are adjacent said pivoting means.

7. A lipstick container of the character described, including: an inner member adapted to hold said lipstick; an outer member pivotally joined to said inner member, one of said members having pivoting means extending from opposite sides thereof and said outer member having oppositely disposed longitudinally extending inwardly facing channels; an intermediate member enclosing at least a portion of said lipstick and inner member, and slidable with respect thereto, said intermediate member having a base, side portions, and an open top, said side portions having oppositely disposed slots adapted to slidably receive said pivoting means and extending longitudinally from the top to a point adjacent the base of said intermediate member, and said intermediate member having outwardly extending trunnions on opposite sides near one end of said slots, said trunnions being slidable in said channels, the engagement of said trunnions and channels allowing said outer member to pivot only when said intermediate member is near one end of its range of slidable movement; and oppositely disposed projections extending transversely into said slots from the sides of said intermediate member adjacent the top thereof substantially to the mid-point in the width of said slots for maintaining said slots at a minimum predetermined width.

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