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⑤④ **Slide tye cosmetic stick vessels.**

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| ⑤⑨ References cited:
AT-B- 239 961
DE-A-3 119 901
GB-A- 9 434
JP-A-50 031 075 | ⑦④ Representative: Arthur, Bryan Edward et al
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Description

BACKGROUND OF THE INVENTION

Field of the Invention

The invention relates to an improved slide type vessel for a cosmetic stick such as lipstick. More particularly the present invention relates to a novel slide type cosmetic stick vessel comprising a cosmetic stick container portion in which a cosmetic stick slides and is contained and a slide portion which slides in the container portion in the longitudinal direction.

Description of the Prior Art

Recently, slide type cosmetic stick vessels having a smaller size and a shape suitable for handling are desired. However, a vessel in which the size is simply diminished is defective in that the operation of extending a cosmetic stick becomes difficult and the vessel is difficult to hold during use.

For eliminating the above disadvantage, Japanese Examined Patent Publication No. 50-31075 proposes a cosmetic stick vessel which is extendable to a length suitable for application of cosmetic when the cosmetic stick is in use and the vessel is contracted when the cosmetic stick is contained. However, this structure is complicated and the number of parts is increased, and the manufacturing cost is inevitably increased. Moreover, since the mechanism for extending the cosmetic stick is arranged in series to the mechanism for extending and contracting the vessel, the length of the cosmetic stick to be contained in the vessel is relatively short as compared with the length of the vessel in the contracted state.

DE-A-3,119,901 discloses a slide type cosmetic stick vessel comprising a middle cup for holding a cosmetic stick, which has an engaging projection formed on the outer wall thereof, a body cylinder having a longitudinal guide groove through which the engaging projection slides, a further cylinder fitted on the periphery of the body cylinder, said further cylinder having a first flight groove with which the engaging projection is engaged, and a cover cylinder in which the further cylinder is inserted and secured. However in this publication the cover cylinder is longitudinally fixed, with respect to the body of the vessel, and does not act as a "slide portion" as in the present invention.

SUMMARY OF THE INVENTION

An object of the present invention is to eliminate the above defects of the conventional techniques.

The invention is characterised in that said cover cylinder has a second engaging projection formed on the outer wall of the lower portion thereof, a slide cylinder secured to the outer wall of the lower end of the body cylinder, said slide cylinder having a rotation-stopping piece formed on the outer wall thereof, an insert cylinder fitted

to the outer surface of the lower portion of the cover cylinder, said insert cylinder having a second flight groove with which the second engaging projection is engaged, one of said first and second flight grooves being right-handed and the other being left-handed, said insert cylinder also having a longitudinal engaging groove with which the rotation-stopping piece is slidably engaged; and a middle cylinder in which the insert cylinder is inserted and secured, wherein the middle cup and the slide cylinder are slidable longitudinally by rotating said cover cylinder with respect to said middle cylinder.

The above-mentioned insert cylinder and middle cylinder may optionally be integrally formed as a middle cylinder having said second flight groove provided on the inner circumferential wall thereof.

Optionally, the further cylinder and cover cylinder may be integrally formed as a threaded cylinder having said first flight groove formed on the inner circumferential wall thereof and having a second engaging projection formed on the outer wall of the lower portion thereof.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a sectional front view showing an embodiment of the present invention in the contracted state for containing a cosmetic stick therein;

Fig. 2 is a sectional front view showing the embodiment of the present invention as shown in Fig. 1, in the extended state for delivering out the cosmetic stick;

Fig. 3 is a front view of an insert cylinder for constituting the embodiment as shown in Fig. 1;

Fig. 4 is a fragmentary perspective view showing some constructive parts of the embodiment as shown in Fig. 1;

Fig. 5 is a sectional front view showing another embodiment of the present invention in the contracted state for containing a cosmetic stick therein;

Fig. 6 is a sectional front view showing a third embodiment of the present invention in the contracted state for containing a cosmetic stick therein;

Fig. 7 is a front sectional view showing the embodiment as shown in Fig. 6, in the extended state for delivering out the cosmetic stick;

Fig. 8 is a sectional front view showing a fourth embodiment of the present invention in the contracted state for containing a cosmetic stick therein;

Fig. 9 is a sectional front view showing a fifth embodiment of the present invention in the contracted state for containing a cosmetic stick therein and covered with a topped cylindrical lid;

Fig. 10 is a perspective view showing a body cylinder for constituting the embodiment as shown in Fig. 9;

Fig. 11 is a sectional front view showing a sixth embodiment of the present invention in the contracted state for containing a cosmetic stick therein and covered with a topped cylindrical lid;

Fig. 12 is a perspective view showing an inner lid for constituting the embodiment as shown in Fig. 11;

Fig. 13 is a front view showing a seventh embodiment of the present invention in the extended state for delivering out a cosmetic state; and,

Fig. 14 is a front view showing the embodiment as shown in Fig. 13, in the contracted state for containing a cosmetic stick therein.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

Referring now to Figs. 1 through 4, a middle saucer 1 for holding a cosmetic stick A is a bottomed cylinder and an engaging projection 2 is formed on the outer wall thereof. A longitudinal guide groove 4 is formed on a body cylinder 3 in which the middle saucer 1 is slidably inserted, so that the engaging projection 2 slides through the longitudinal guide groove 4. A projection 5 is formed along the periphery of the top end of the body cylinder 3. A right-hand flight groove 7 is formed on a threaded cylinder 6 fitted to the periphery of the body cylinder 3. The threaded cylinder 6 is inserted and secured in the cover cylinder 8.

In the above-mentioned structure, the engaging projection 2 of the middle saucer 1 slides through the guide groove 4 of the body cylinder 3 and becomes engaged with the right-hand flight groove 7 of the threaded cylinder 6, and by this engagement and the rotation of the body cylinder, the cosmetic stick A is moved in the longitudinal direction. Thus, a portion for containing a cosmetic stick such as a lipstick in the body cylinder 3 is constructed.

A second engaging projection 9 is formed on the outer wall of the lower portion of the cover cylinder 8. A bottomed slide cylinder 10 is inserted and secured in the outer wall of the lower end portion of the body cylinder 3, and a rotation-stopping piece 11 is projected on the outer wall of the slide cylinder 10. An insert cylinder 12 is fitted on the periphery of the lower portion of the cover cylinder 8, and a left-hand flight groove 13 with which the second projection 9 of the cover cylinder 8 is engaged is formed on the insert cylinder 12 and a longitudinal engaging groove 14 with which the rotation-stopping piece 11 of the slide cylinder 10 is slidably engaged is also formed on the insert cylinder 12. Furthermore, the insert cylinder 12 is inserted and secured in a middle cylinder 15. The middle cylinder 15 is inserted and secured in a bottomed outer cylinder 16 and the top end periphery of the outer cylinder 16 is anchored on an anchoring projection 17 formed on the peripheral wall of the middle cylinder 15. A plurality of brackets 18 are projected on the middle cylinder 15 so that a topped cylindrical lid (not shown) is dismountably capped.

In the above-mentioned structure, the abovementioned cosmetic stick-containing portion is moved in the longitudinal direction by the

slidable engagement of the second engaging projection 9 of the cover cylinder 8 with the left-hand flight groove 13 of the insert cylinder 12 and the rotation of the insert cylinder 12 inserted and secured in the middle cylinder 15. Thus, a slide portion for moving the cosmetic stick-containing portion in the longitudinal direction is constructed.

More specifically, by rotating the outer cylinder 16 while holding the cover cylinder 8, the middle cylinder 15, the insert cylinder 12 and the left-hand flight groove 13 of the insert cylinder 12 are turned. Since the second engaging projection 9 formed on the cover cylinder 8 is slidably engaged with the left-hand flight groove 13, the cover cylinder 8 is longitudinally moved with the rotation of the left-hand threaded groove 13. Since the rotation-stopping piece 11 projected on the slide cylinder 10 is inserted and secured in the body cylinder 3 is slidably engaged with the engaging groove 14 of the insert cylinder 12, the body cylinder 3 is turned with the rotation of the insert cylinder 12. Since the engaging projection 2 formed on the middle saucer 1 holding the cosmetic stick A thereon pierces through the guide groove 4 of the body cylinder 3 and is slidably engaged with the right-hand flight groove 7 of the threaded cylinder 6, the middle cup 1 is longitudinally moved in the body cylinder 3 with the rotation of the body cylinder 3, whereby the cosmetic stick A is delivered out from the body cylinder 3 or retreated into the body cylinder 3.

As is apparent from the foregoing description, even if the slide type cosmetic stick vessel of the present invention has a short shape suitable for carrying, since the cover cylinder 8 having a length corresponding to the left-hand flight stroke is delivered out, the painting operation is facilitated. Moreover, since the threaded cylinder 6 of the cosmetic stick-containing portion is contained in the interior of the insert cylinder 12 of the slide portion for moving the cosmetic stick-containing portion in the longitudinal direction, the length of the vessel can be shortened to a length slightly longer than the length of the cosmetic stick. Accordingly, the cosmetic stick vessel of the present invention is very easy to handle and carry. Moreover, the number of constituent parts can be decreased and the manufacturing cost can be reduced.

According to another embodiment of the present invention, as shown in Fig. 5, a right-hand flight groove 7' with which the engaging projection 2 is engaged is formed on the inner circumferential wall of the threaded cylinder 6 and a second engaging projection (not shown) which is engaged with the left-hand flight groove 13 formed on the insert cylinder 12 is formed on the outer wall of the lower portion of the threaded cylinder 6. In this embodiment, even if the cover cylinder 8 described above is omitted, a slide type cosmetic stick vessel having the same functions as those of the vessel of the first embodiment can be provided.

In a further embodiment of the present inven-

tion as shown in Figs. 6 and 7, the above-mentioned insert cylinder 12 and middle cylinder 15 are replaced by a middle cylinder 15' having two parallel left-hand flight groove 13' provided on the inner circumferential wall thereof. This embodiment will be described in detail below.

A middle saucer 1 for holding a cosmetic stick A is a bottomed cylinder and an engaging projection 2 is formed on the outer wall thereof. A longitudinal guide groove 4 is formed on a body cylinder 3 in which the middle saucer 1 is slidably inserted, so that the engaging projection 2 slides through the longitudinal guide groove 4. A projection 5 is formed along the periphery of the top end of the body cylinder 3. A right-hand flight groove 7 is formed on a threaded cylinder 6 fitted to the periphery of the body cylinder 3. The threaded cylinder 6 is inserted and secured in the cover cylinder 8. Thus, the delivering out of the cosmetic stick A is effected in such a manner that the engaging projection 2 of the middle saucer 1 slides through the guide groove 4 of the body cylinder 3 and becomes engaged with the right-hand flight groove 7 of the threaded cylinder 6.

Two second engaging projections 9' are formed on the outer wall of the lower portion of the cover cylinder 8. A bottomed slide cylinder 10 is inserted and secured in the outer wall of the lower end portion of the body cylinder 3, and a rotation-stopping piece 11 is projected on the outer wall of the slide cylinder 10. A middle cylinder 15' is provided so as to cover the cover cylinder 8 and two left-hand flight grooves 13' with which the engaging projections 9' of the cover cylinder 8 are engaged are formed parallel on the inner circumferential wall of the middle cylinder 15'. Further, a longitudinal engaging groove 14 with which the rotation-stopping piece 11 of the slide cylinder 10 is slidably engaged is formed on the middle cylinder 15'. Furthermore, the middle cylinder 15' is inserted and secured in a bottomed outer cylinder 16 and the top end periphery of the outer cylinder 16 is anchored on an anchoring projection 17 formed on the peripheral wall of the middle cylinder 15'. A plurality of brackets 18 are projected on the middle cylinder 15' so that a topped cylindrical lid (not shown) is dismountably capped.

In the above-mentioned structure, when the outer cylinder 16 is rotated in the right-hand direction while holding the cover cylinder 8, the left-hand flight grooves 13' formed on the inner wall of the middle cylinder 15' contained and secured in the outer cylinder 16 are concurrently rotated in the right-hand direction. Then, since the engaging projections 9' formed on the cover cylinder 8 are engaged with the left-hand flight grooves 13', the cover cylinder 8 is moved to increase the length exposed from the inside of the middle cylinder 15'. At that time, since the rotation-stopping piece 11 projected on the slide cylinder 10 inserted and secured in the body cylinder 3 is slidably engaged with the engaging groove 14 longitudinally formed on the wall of the middle cylinder 15', the body cylinder 3 is rotated

in the right-hand direction with respect to the cover cylinder 8 and the threaded cylinder 6.

Thus, the middle saucer 1, along with the cosmetic stick A, is longitudinally moved in the body cylinder 3, since the engaging projection 2 formed on the outer wall of the middle saucer 1 contained in the body cylinder 3 and holding the cosmetic stick A thereon pierces through the guide groove 4 and is engaged with the right-hand flight groove 7. After use, if the outer cylinder 16 is rotated in the left-hand direction while holding the cover cylinder 8, the cover cylinder 8 is moved to decrease the length exposed from the middle cylinder 15' and the cosmetic stick A draws back into the body cylinder 3 to complete the contraction for containing the cosmetic stick A.

A modification of the above-mentioned embodiment of the present invention is shown in Fig. 8. In the modification, a right-hand flight groove 7' with which the engaging projection 2 is engaged is formed on the inner circumferential wall of the threaded cylinder 6 and engaging projection 9' which are engaged with the left-hand flight grooves 13' formed on the inner circumferential wall of the middle cylinder 15' are formed on the outer wall of the lower portion of the threaded cylinder 6. In this case, even if the cover cylinder 8 described above is omitted, a slide type cosmetic stick vessel having the same functions as those of the vessel of the above-mentioned embodiment can be provided.

In a still further embodiment of the present invention as shown in Figs. 9 and 10, an anchoring portion 20 is provided at the upper end of the body cylinder 1 by projecting a part of the upper end outside. The anchoring portion 20 contacts with the curled upper end of the cover cylinder 8 when the cover cylinder 8 moves down with respect to the body cylinder 1. Thus, the curled upper end of the cover cylinder 8 is prevented from moving down through the upper end of the body cylinder 1, even when an excessive power to force down the cover cylinder 8 is erroneously applied thereto. In this embodiment, a projection 5' is formed at a position near the top end of the body cylinder 3 but below the anchoring portion 20.

The topped cylindrical lid 19 as shown in Fig. 9 may be provided with an inner lid 21 as illustrated in Figs. 11 and 12. The topped cylindrical lid 19 dismountably capped to be fitted to the upper portion of the middle cylinder 15 or 15' has the inner lid 21 inserted therein. The inner lid 21 is made of a convex metal with an open bottom b, which is provided, on its intermediate, with a shoulder a, and is secured to in the topped cylindrical lid 19 so as to prevent the inner lid 21 from coming out of the topped cylindrical lid 19, so that the open bottom b of the inner lid 21 opens in the same direction as that of the topped cylindrical lid 19. The shoulder a acts to contact with the upper end of the cover cylinder 8 so as to prevent the cover cylinder 8 from coming out. Thus, if the topped cylindrical lid 19 is firmly

capped, the cosmetic stick A is prevented from coming out to be damaged by the contact with the lid 19 during carrying.

The slide type cosmetic stick vessel of the present invention may have a marking on the outer wall of the cover cylinder 8 to make clearly visible the contracted and extended states, as shown in Figs. 13 and 14. The marking may be made by dividing the outer wall surface of the cover cylinder 8 to be exposed from the middle cylinder 15 or 15' in the extended state into two zones 22 and 23 by coloring or drawing a line. Thus, the zone 23 is exposed from the middle cylinder 15 or 15' in the extended state of the slide type cosmetic stick vessel, while the zone 23 is hidden by the middle cylinder 15 or 15' in the contracted state. If desired, the zones 22 and 23 may have differently colored protective coatings and/or may be indicated as the zone 22 being a zone to be exposed and the zone 23 being a zone to be hidden.

Claims

1. A slide type cosmetic stick vessel comprising a middle cup (1) for holding a cosmetic stick, which has a first engaging projection (2) formed on the outer wall thereof, a body cylinder (3) having a longitudinal guide groove (4) through which the engaging projection (2) slides, a threaded cylinder (6) fitted on the outer surface of the body cylinder (3), said threaded cylinder (6) having a first flight groove (7) with which the engaging projection (2) is engaged, and a cover cylinder (8) in which the threaded cylinder (6) is inserted and secured,

characterised in that said cover cylinder (8) has a second engaging projection (9) formed on the outer wall of the lower portion thereof, a slide cylinder (10) secured to the outer wall of the lower end of the body cylinder (3), said slide cylinder (10) having a rotation-stopping piece (11) formed on the outer wall thereof, an insert cylinder (12) fitted to the outer surface of the lower portion of the cover cylinder (8), said insert cylinder (12) having a second flight groove (13) with which the second engaging projection (9) is engaged, one of said first and second flight grooves being right-handed and the other being left-handed, said insert cylinder (12) also having a longitudinal engaging groove (14) with which the rotation-stopping piece (11) is slidably engaged; and a middle cylinder (15) in which the insert cylinder (12) is inserted and secured, wherein the middle cup (1) and the slide cylinder are slidable longitudinally by rotating said cover cylinder (8) with respect to said middle cylinder (15).

2. A slide type cosmetic stick vessel according to Claim 1, wherein the insert cylinder (12) and the middle cylinder (15) are integrally formed as a middle cylinder (15') having said second flight groove (13') provided on the inner circumferential wall thereof.

3. A slide type cosmetic stick vessel according to Claim 1 or 2, wherein the threaded cylinder (6)

and the cover cylinder (8) are integrally formed as a threaded cylinder (6) having said first flight groove (7') formed on the inner circumferential wall thereof and a second engaging projection formed on the outer wall of the lower portion thereof.

4. A slide type cosmetic stick vessel according to any one of the preceding claims, wherein the middle cylinder (15') has two parallel flight grooves (13') provided on the inner circumferential wall thereof, with which two second engaging projections (9') are engaged, said parallel flight grooves being oppositely handed to said first flight groove (7).

5. A slide type cosmetic stick vessel according to any one of the preceding claims, wherein an anchoring portion (20) is provided at the upper end of the body cylinder (1).

6. A slide type cosmetic stick vessel according to any one of the preceding claims, wherein a topped cylindrical lid (19) is dismountably capped to be fitted to the upper portion of the middle cylinder (15, 15').

7. A slide type cosmetic stick vessel according to Claim 6, wherein the topped cylindrical lid (19) has a convex inner lid (21) inserted therein.

8. A slide type cosmetic stick vessel according to any one of the preceding claims, further comprising a marking on the outer wall of the cover cylinder (8) to make clearly visible the contracted and extended states of the vessel.

Patentansprüche

1. Behälter für einen ausschiebbaren Kosmetikstift, mit einem Zwischenbecher (1) zum Halten des Kosmetikstiftes, mit einem ersten, zum Eingriff dienenden vorsprung (2), der an der Aussenwand des Zwischenbechers (1) gebildet wird, einem Zylinderkörper (3) mit einer in Längsrichtung verlaufenden Führungsnut (4), durch welche sich der zum Eingreifen dienende vorsprung (2) schiebt, einen mit Gewinde versehenen Zylinder (6), der an der Aussenfläche des Zylinderkörpers (3) aufgebracht ist, und der eine erste Nutenbahn (7) aufweist, in die der zum Eingreifen dienende vorsprung (2) eingreift, und mit einem Deckzylinder (8), in dem der mit Gewinde versehene Zylinder (6) eingesetzt und befestigt ist, dadurch gekennzeichnet, dass der Deckzylinder (8) einen zweiten zum Eingriff dienenden vorsprung (9) aufweist, der an der Aussenwand seines unteren Abschnittes gebildet wird, dass ein Schiebezylinder (10) an der Aussenwand des unteren Endes des Zylinderkörpers (3) befestigt ist, dass der Schiebezylinder (10) ein zum Anhalten einer Drehung bestimmtes Anschlagteil (11), aufweist, das an seiner Aussenwand gebildet wird, dass ein Einsatzzylinder (12) auf die Aussenfläche des unteren Abschnittes des Deckzylinders (8) aufgebracht ist, dass der Einsatzzylinder (12) eine zweite Nutenbahn (13) aufweist, in die der zweite, zum Eingriff dienende vorsprung (9) eingreift, dass eine der ersten und zweiten Nutenbahn rechtsgängig und die andere linksgängig ist, dass

der Einsatzzylinder (12) ebenfalls eine in Längsrichtung verlaufende Aufnahmenut (14) aufweist, in die das zum Anhalten einer Drehung dienende Anschlagteil (11) ver schiebbar eingreift, und dass ein Zwischenzylinder (15) vorhanden ist, in dem der Einsatzzylinder (12) eingesetzt und befestigt ist, wobei der Zwischenbecher (1) und der Schiebezyylinder durch Drehen des Deckzylinders (8) gegenüber dem Zwischenzylinder (15) in Längsrichtung verschiebbar sind.

2. Behälter für einen ausschiebbaren Kosmetikstift nach Anspruch 1, dadurch gekennzeichnet, dass der Einsatzzylinder (12) und der Zwischenzylinder (15) einstückig als ein Zwischenzylinder (15') ausgebildet ist, der die zweite Nutenbahn (13') an seiner inneren Umfangswand aufweist.

3. Behälter für einen ausschiebbaren Kosmetikstift nach Anspruch 1 oder 2, dadurch gekennzeichnet, dass der mit Gewinde versehene Zylinder (6) und der Deckzylinder (8) einstückig als ein mit Gewinde versehener Zylinder (6) gebildet sind, der die erste Nutenbahn (7') an seiner inneren Umfangswand aufweist, und einen zweiten zum Eingriff dienenden Vorsprung an der Aussenwand seines unteren Abschnittes.

4. Behälter für einen ausschiebbaren Kosmetikstift nach einem der vorausgehenden Ansprüche, dadurch gekennzeichnet, dass der Zwischenzylinder (15') zwei parallele Nutenbahnen (13') an seiner inneren Umfangswand aufweist, in die zwei zweite, zum Eingriff dienen de Vorsprünge (9') eingreifen, wobei die parallelen Nutenbahnen gegenüber der ersten Nutenbahn (7) entgegengesetzten Drehsinn aufweisen

5. Behälter für einen ausschiebbaren Kosmetikstift gemäss einem der vorausgehenden Ansprüche, dadurch gekennzeichnet, dass ein Ankerabschnitt (20) am oberen Ende des Zylinderkörpers (1) vorgesehen ist.

6. Behälter für einen ausschiebbaren Kosmetikstift nach einem der vorausgehenden Ansprüche, dadurch gekennzeichnet, dass eine zylindrische Kappe (19) unlösbar am oberen Abschnitt des Zwischenzylinders (15, 15') aufgebracht ist.

7. Behälter für einen ausschiebbaren Kosmetikstift nach Anspruch 6, dadurch gekennzeichnet, dass die zylindrische Kappe (19) eine konvexe innere Abdeckung (21) eingesetzt hat.

8. Behälter für einen ausschiebbaren Kosmetikstift nach einem der vorausgehenden Ansprüche, gekennzeichnet durch eine Markierung an der Aussenwand des Deckzylinders (8) um den eingezogenen und ausgefahrenen Zustand des Behälters klar sichtbar zu machen.

Revendications

1. Un étui ou récipient pour bâton de cosmétique du type coulissant comprenant une coupelle intermédiaire (1) destinée à tenir un bâton de cosmétique qui présente une première saillie de pénétration (2) formée sur sa paroi extérieure un corps cylindrique (3) présentant une rainure longitudinale de guidage (4) à travers laquelle le

coulisse la saillie de pénétration (2), un cylindre fileté (6) monté sur la surface extérieure du corps cylindrique (3), ledit cylindre fileté (6) présentant une rainure dont le pas est dans un premier sens (7) dans laquelle pénètre la saillie de pénétration (2) et un cylindre de protection (8) dans lequel le cylindre fileté (6) est inséré et fixé, caractérisé en ce que ledit cylindre de protection (8) présente une seconde saillie de pénétration (9) formée sur la paroi extérieure de sa partie inférieure, un cylindre coulissant (10) fixé sur la paroi extérieure de l'extrémité inférieure du corps cylindrique (3), ledit cylindre coulissant (10) présentant un ergot de blocage en rotation (11) est formé sur sa paroi extérieure, un cylindre d'insertion (12) monté sur la surface extérieure de la partie inférieure du cylindre de protection (8), ce cylindre d'insertion (12) présentant une rainure (13) de pas opposé (dans un deuxième sens) et où pénètre la seconde saillie de pénétration (9), l'une de ces première et seconde rainures présentant un pas à droite et l'autre un pas à gauche, ledit cylindre d'insertion (12) présentant aussi une rainure longitudinale de pénétration (14) dans laquelle l'ergot de blocage en rotation (11) pénètre en pouvant coulisser; et un cylindre intermédiaire (15) dans lequel le cylindre d'insertion (12) est inséré et fixé, dans lequel la coupelle intermédiaire (1) et le cylindre coulissant peuvent coulisser longitudinalement par rotation dudit cylindre de protection (8) par rapport audit cylindre intermédiaire (15).

2. Un étui pour bâton de cosmétique du type coulissant selon la revendication 1, dans lequel le cylindre d'insertion (12) et le cylindre intermédiaire (15) sont réalisés monobloc sous la forme d'un cylindre intermédiaire (15') comportant ladite rainure de second sens de pas (13') prévue sur sa paroi circonférentielle intérieure.

3. Un étui pour bâton de cosmétique du type coulissant selon la revendication 1 ou 2, dans lequel le cylindre fileté (6) et le cylindre de protection (8) sont réalisés monobloc sous la forme d'un cylindre fileté (6) présentant ladite rainure de premier sens de pas (7') formée sur sa paroi circonférentielle intérieure et une seconde saillie de pénétration formée sur la paroi extérieure de sa partie inférieure.

4. Un étui pour bâton de cosmétique du type coulissant selon l'une quelconque des revendications précédentes, dans lequel le cylindre intermédiaire (15') comporte deux rainures (13') à pas parallèles prévues sur sa paroi circonférentielle intérieure, où pénètrent deux secondes saillies pénétrantes 9', lesdites rainures à pas parallèles étant de sens opposé à ladite rainure (7) dont le pas est dans un premier sens.

5. Un étui pour bâton de cosmétique du type coulissant selon l'une quelconque des revendications précédentes, dans lequel une partie d'ancrage (20) est prévue à l'extrémité supérieure du corps cylindrique (1).

6. Un étui pour bâton de cosmétique du type coulissant selon l'une quelconque des revendications précédentes, dans lequel un couvercle

cylindrique supérieur (19) est monté de façon à encapuchonner de façon amovible la partie supérieure du cylindre intermédiaire (15, 15').

7. Un étui pour bâton de cosmétique du type coulissant selon la revendication 6, dans lequel un couvercle intérieur convexe (21) est inséré dans le couvercle cylindrique supérieur (19).

8. Un étui pour bâton de cosmétique du type coulissant selon l'une quelconque des revendications précédentes, comprenant en outre un marquage sur la paroi extérieure du cylindre de protection (8) pour rendre clairement visibles les états d'extension et de retrait de l'étui.

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Fig. 1

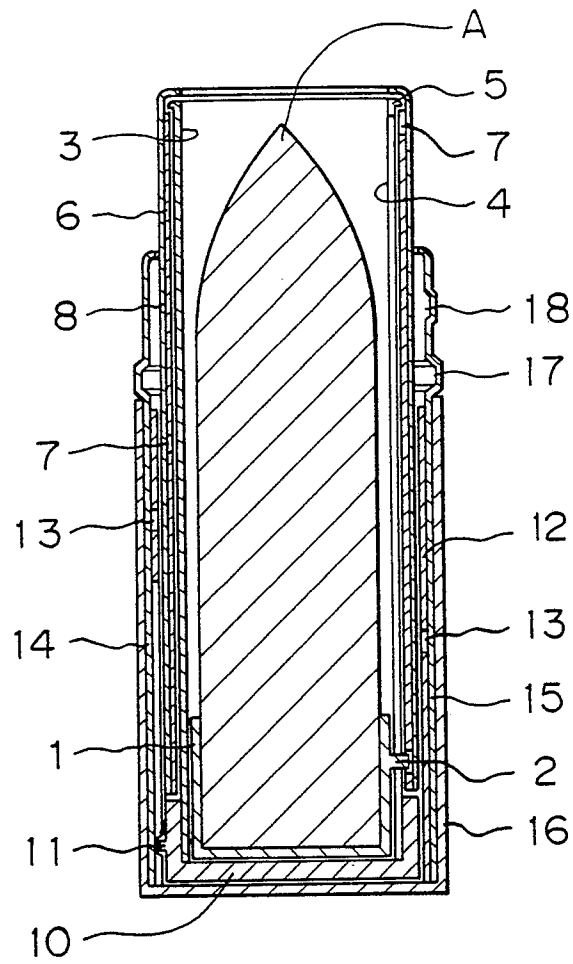


Fig. 2

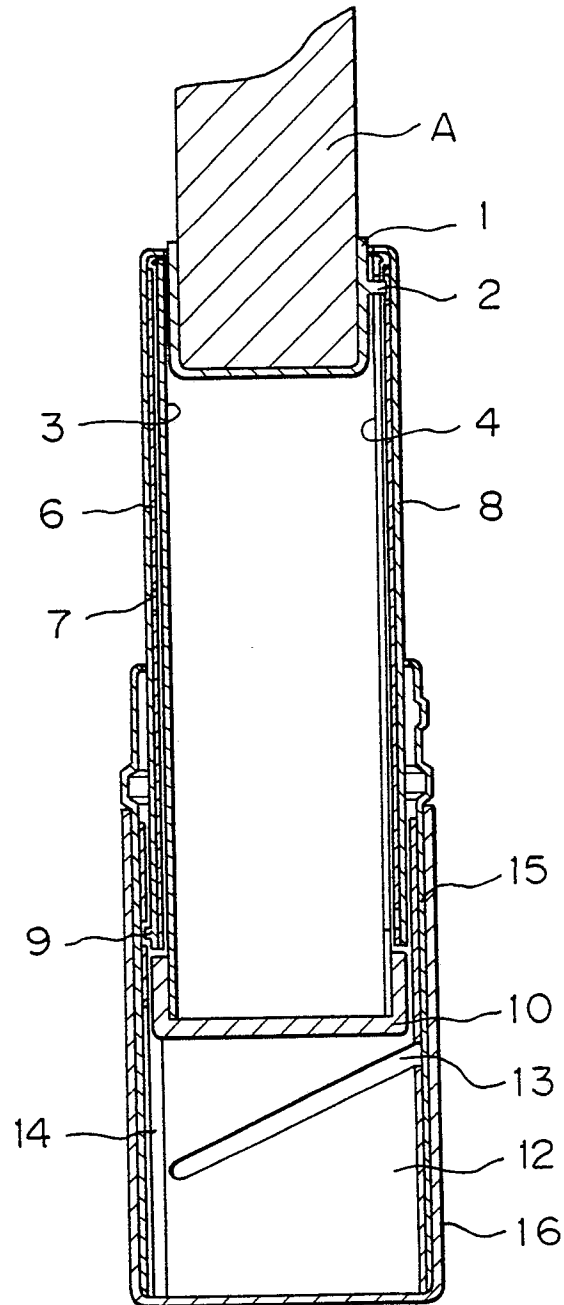


Fig. 3

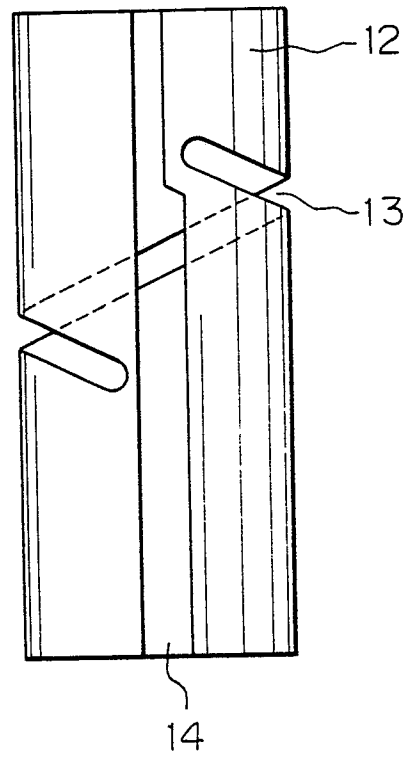


Fig. 4

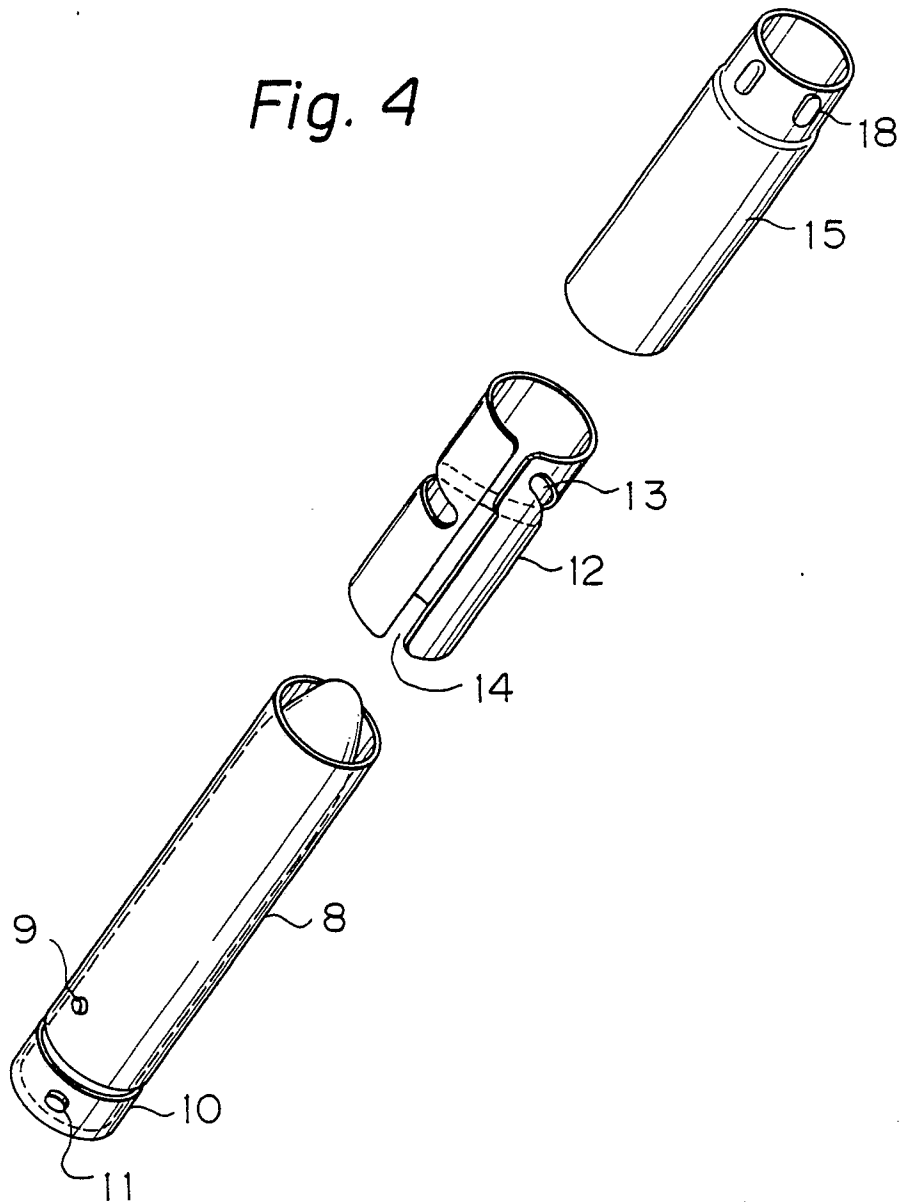


Fig. 5

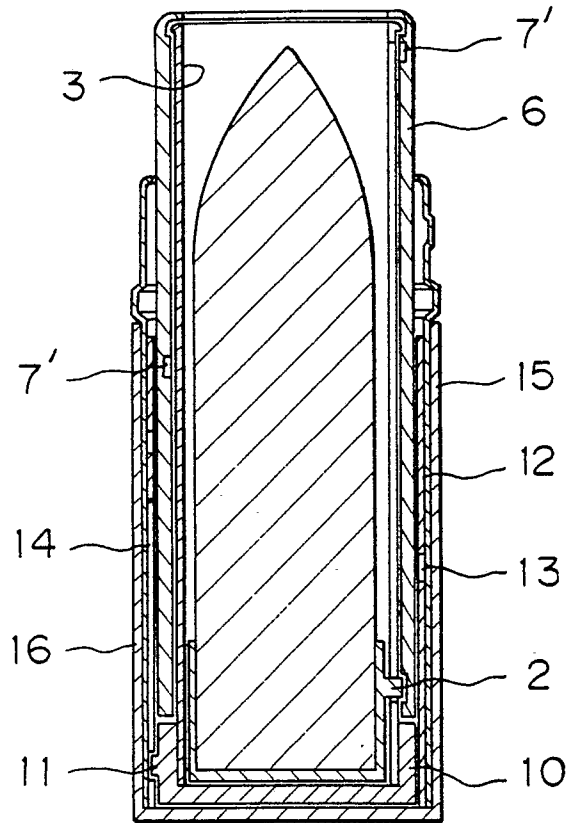


Fig. 6

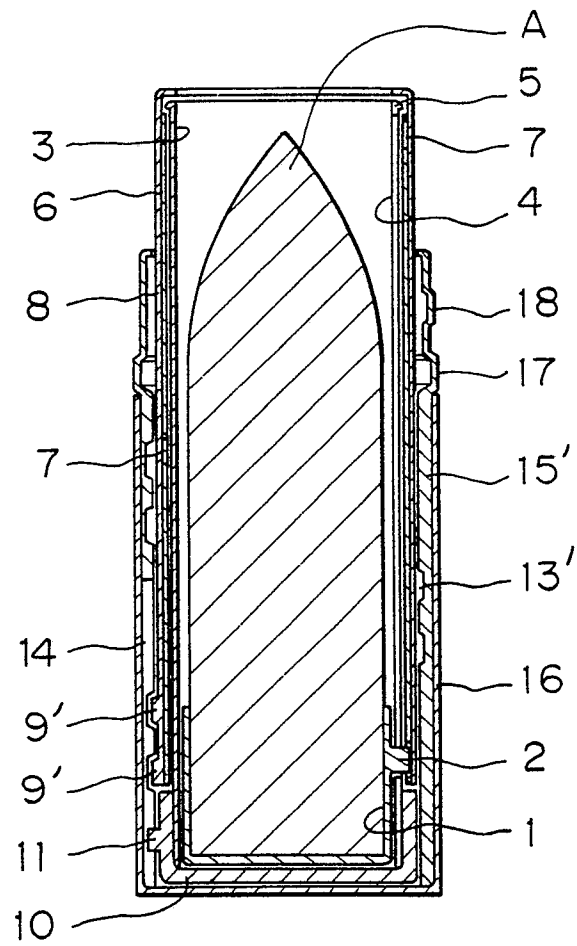


Fig. 7

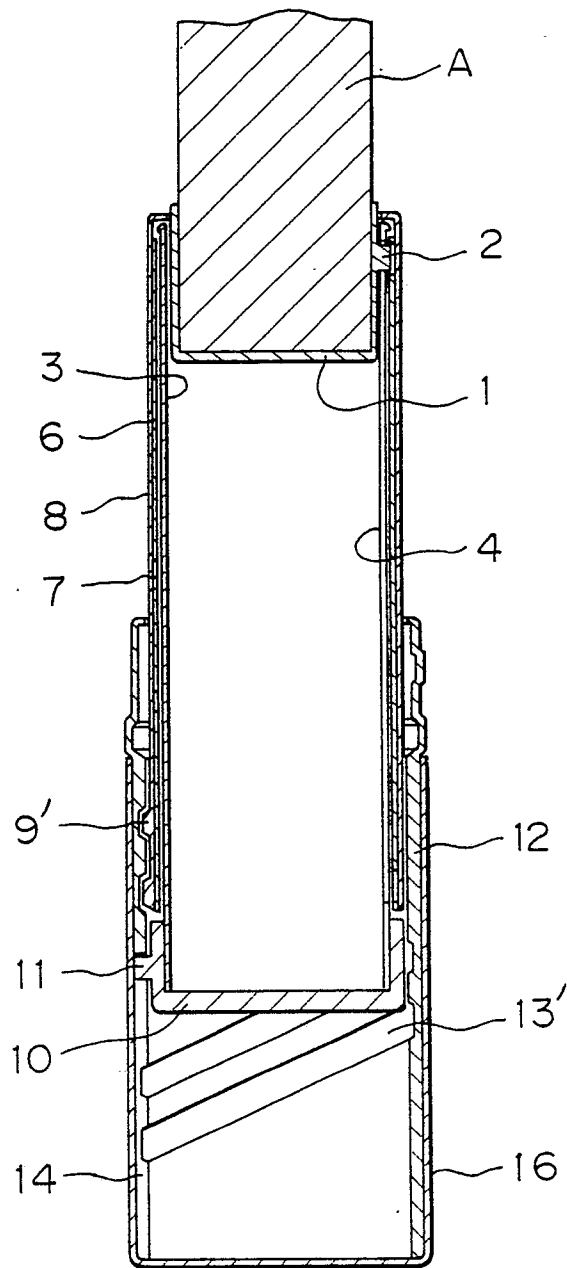


Fig. 9

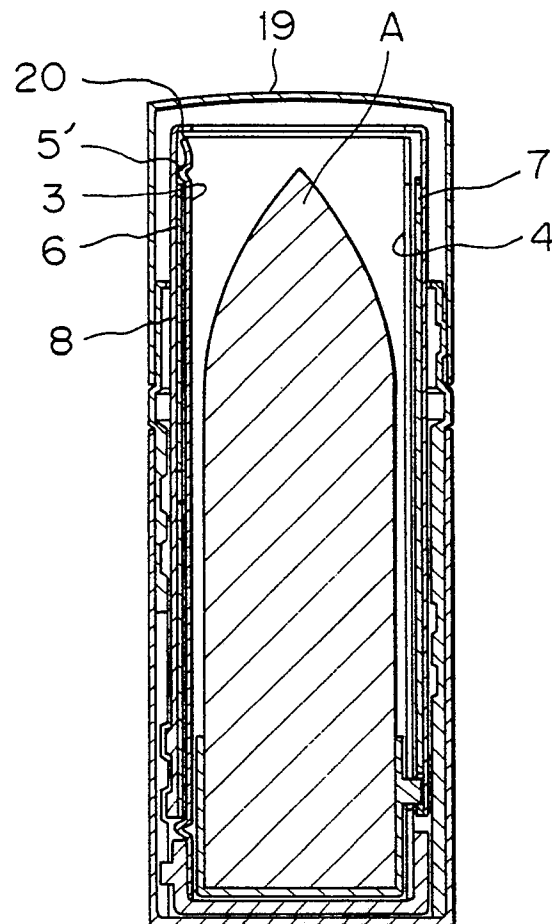


Fig. 10

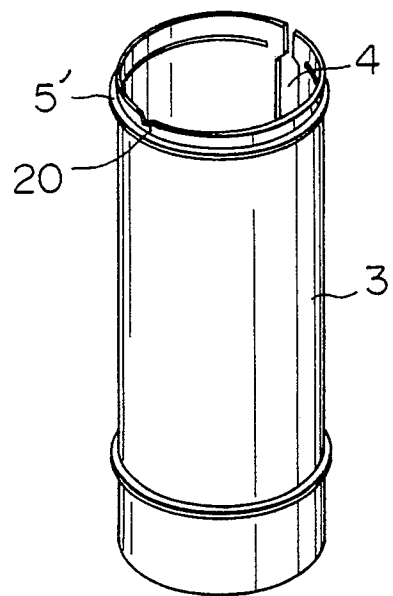


Fig. 11

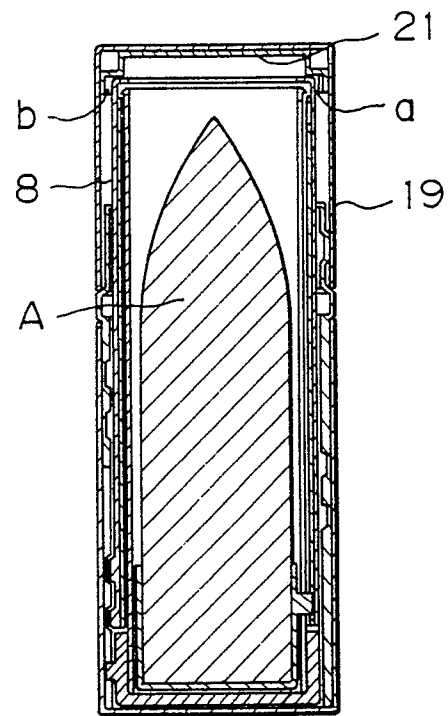


Fig. 12

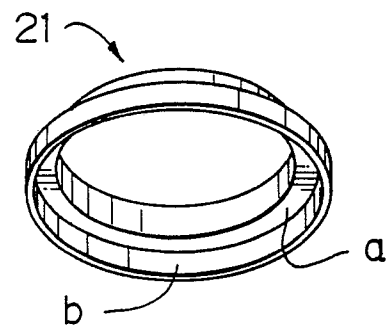


Fig. 13

Fig. 14

