United States Patent

[11] 3,542,230

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[45] Patented **Nov. 24, 1970**
[73] Assignee **Sterling Drug Inc.**
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[54] **COSMETIC JAR**
1 Claim, 4 Drawing Figs.

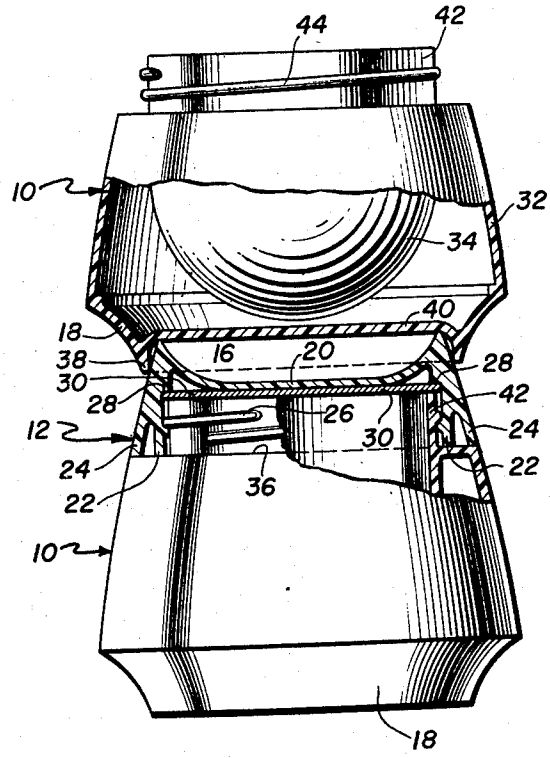
[52] **U.S. Cl.** **215/10,** 215/12, 215/43
[51] **Int. Cl.** **B65d 21/02,** **21/02,** B65d 11/16
[50] **Field of Search** 215/10, 12, 13, 43; 220/97; 150/0.5

[56] **References Cited**
UNITED STATES PATENTS

2,076,549	4/1937	Conner	215/13X
2,711,766	6/1955	Archer	215/13X
3,217,915	11/1965	Weygandt	215/10
2,738,891	3/1956	Pitto	220/97X
3,458,077	7/1969	Ryan	215/43

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ABSTRACT: A cosmetic jar including a cosmetic containing member and a screw-on cap both of which are generally circular in outline, the cap having a projecting rim at its top and the cosmetic containing member having a projecting rim of larger diameter at its bottom, the cosmetic jars being easily stacked in a stable arrangement. The cap has a double or bifurcated annular rib forming two spaced lines of contact with respect to a shoulder on the cosmetic containing member insuring an improved seal.



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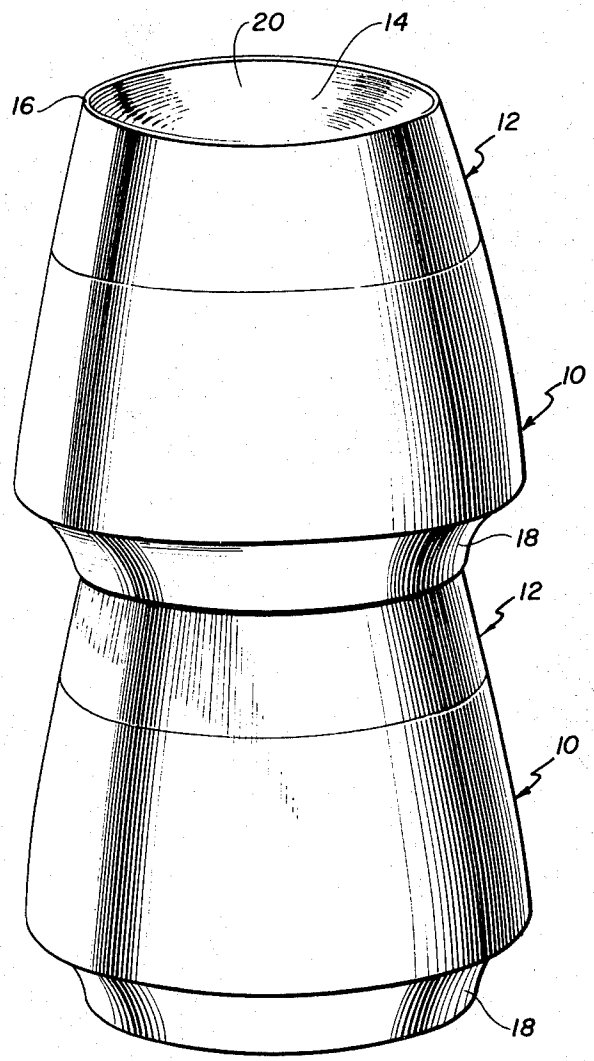


FIG. 1

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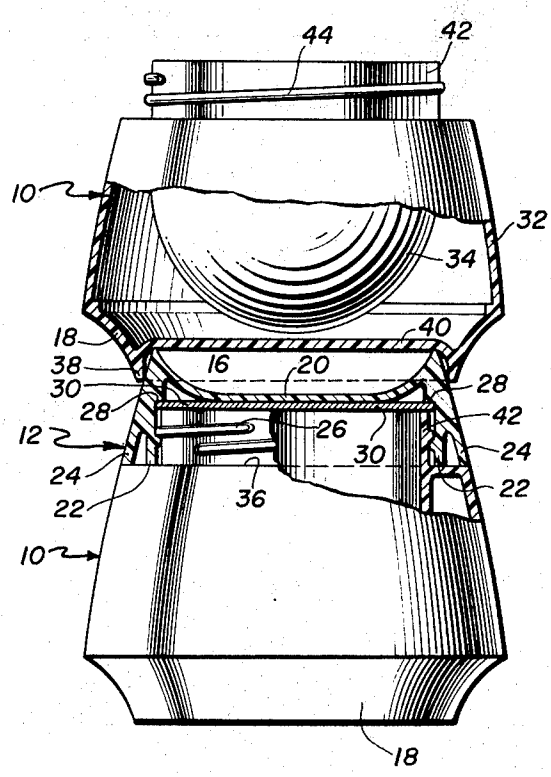


FIG. 4

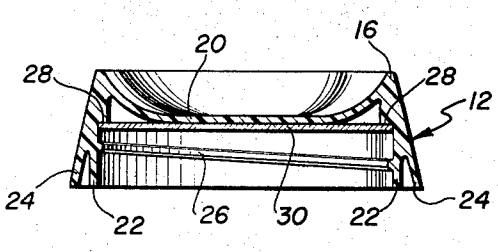


FIG. 2

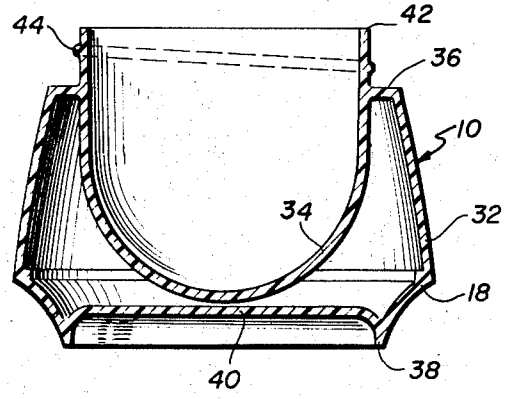


FIG. 3

COSMETIC JAR

SUMMARY OF THE INVENTION

This invention provides an improved stackable cosmetic jar for stacking in stable columns, and at the same time the jars are especially efficient for the storage and digital extraction of cosmetics, having a very attractive appearance. Each jar comprises a lower cosmetic container which has a double wall, being hollow between an outer wall including a bottom member, said outer wall being integral with an inner wall forming the cosmetic containing portion which is semispherical at its bottom for easy extraction of cosmetics, the junction of the inner wall and the outer wall providing a single rim extending upwardly and having an exterior thread. This thread is for the reception of a separate closure cap having a mating interior thread on a rim thereof, this cap rim having a two-part edge which sets down on the shoulder above referred to when the threads are mated and the parts relatively rotated to secure the cover cap to the container. This forms a particularly efficient closure together with a seal or gasket mounted within the rim of the cover cap.

The cover cap is provided with an upstanding peripheral rim having a diameter just less than the diameter of a downwardly extending rim on the bottom portion of the cosmetic container so that the jar is stackable in a very stable manner.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. **1** is a perspective view illustrating two of the novel cosmetic jars in stacked relationship;

FIG. **2** is a diametrical section through the closure cap;

FIG. **3** is a like section through the cosmetic-containing portion of the jar; and

FIG. **4** is a view partly in section illustrating the jars in stacked relation.

PREFERRED EMBODIMENT OF THE INVENTION

Referring now to FIG. **1**, there are shown two complete cosmetic jars according to the present invention. Each one of these jars comprises a lower container portion **10** for the cosmetics and a screw-on type closure cap **12**. Each cap is provided with a central depression **14** in its top portion which is defined by an upstanding circular rim **16**. In stacking, each rim **16** is received within a slightly larger circular depending rim **18** one within the other and therefore the cosmetic jars with closure caps in place may be stacked to a considerable height while still maintaining a stable relationship.

From FIG. **2** it will be seen that the closure cap **12** is generally hollow, the central depression **14** having a floor **20** within rim **16**, and the side wall thereof extends downwardly in a truncated conical relationship terminating in a pair of diverging legs **22** and **24** that have free coplaner edges.

The interior wall of the closure cap is provided with an interior thread **26** located below an inverted shoulder **28** which

is also annular and receives and positions a seal or gasket **30** of any suitable material.

Now referring to FIG. **3**, the container portion of the jar comprises an outer wall generally indicated at **32** and an inner integral wall **34**. The latter has a hemispherical bottom as clearly shown and is spaced from the outer wall **32**. These walls merge in an annular shoulder **36**. The outer wall **32** also merges into a circular bottom member having a depressed floor **40** defined by a downwardly extending circular rim **38**.

From the shoulder **36** which forms a junction between the outer wall **32** and the inner wall **34**, there is an upwardly extending circular flange **42** having an exterior thread **44** to mate with the thread **26** for the purpose of closing the container.

In the closed condition of the container, the free edges of the legs **22** and **24** come down firmly in contact with the shoulder **36**, see FIG. **4**, and the flange **42** has an upper free edge which comes in contact with the diaphragm or washer **30** in the area of the shoulders **28** as also clearly shown in FIG. **4**, so that a good solid closure is provided which does not allow excess of air to enter the container. The edge of rim **16** is abutted by the peripheral area of floor **40**, when the closed jars are stacked, at the interior of rim **38**, and a stable stack of closed jars can thus be made, the respective rims acting as guides and positioning means for this purpose.

We claim:

1. A stackable cosmetics jar comprising a lower cosmetic container and an upper closure cap, interengaging means securing the same together in closed relation, the container including in its bottom area a downwardly extending annular rim which has a predetermined interior diameter;

the closure cap including an upwardly extending annular rim thereon having a diameter slightly different from that of the rim on the container, so that the rims interfit in stacking relationship of like jars;

a downwardly extending sidewall on the closure cap, said wall having a coplanar edge, a corresponding shoulder on the container, and means to secure the cap to the container with the edge of the wall of the closure cap in engagement with said shoulder;

wherein the cosmetic container comprises a pair of walls including an outer wall and an inner wall, said walls being spaced, a portion of the outer wall forming the bottom of the jar, the inner wall depending within the outer wall for containing the extending upwardly cosmetic, said walls joining in a flat shoulder, said inner wall extending upwardly therefrom forming a flange having an external thread thereon; and

said closure cap including a downwardly extending wall with a thread thereon to mesh with the aforesaid thread on said flange, said wall having an edge to seat on the flat shoulder, the edge of the closure cap wall having a pair of spaced free edges in a common plane.

UNITED STATES PATENT OFFICE

CERTIFICATE OF CORRECTION

Patent No. 3,542,230 Dated Nov. 24, 1970

Inventor(s) Jack Duncan Campbell and
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It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

Column 2, line 45, "the extending upwardly cosmetic' should read - the cosmetic - .

Signed and sealed this 29th day of February 1972.

(SEAL)
Attest:

EDWARD M.FLETCHER, JR.
Attesting Officer

ROBERT GOTTSCHALK
Commissioner of Patents