Jan. 12, 1932. J. W. BURKE 1,840,616

CONTAINER

Filed July 9, 1929

Fig. 1.

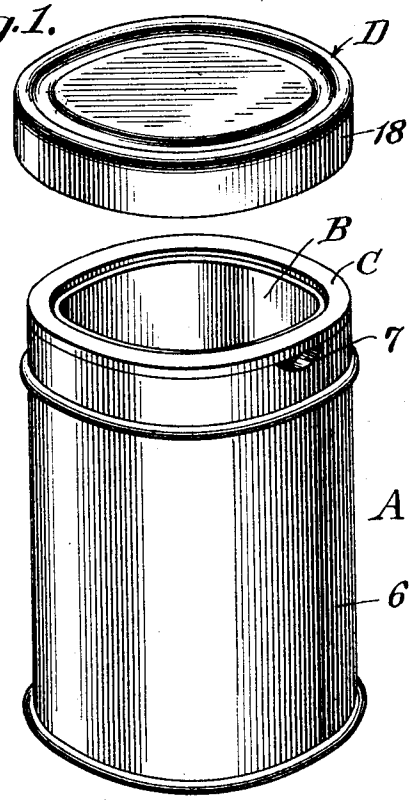


Fig. 2.

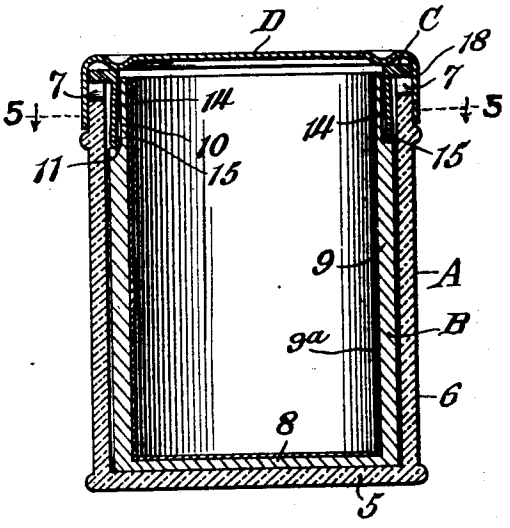


Fig. 3.

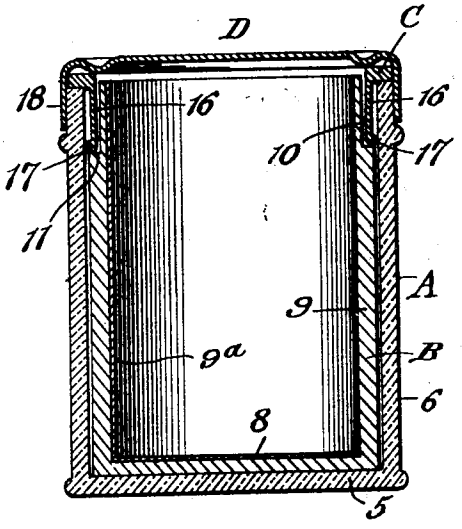


Fig. 4.

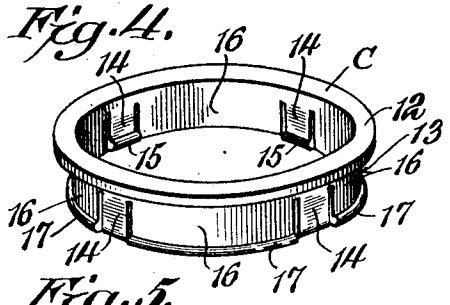


Fig. 5.

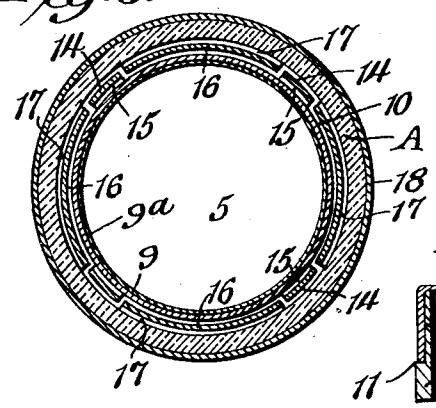
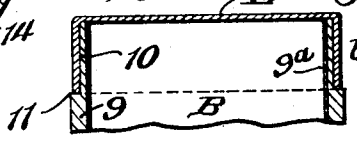


Fig. 6.



Inventor,
J. W. Burke,
by Baldwin & Wright
Attorneys

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1,840,616

UNITED STATES PATENT OFFICE

JOHN W. BURKE, OF GALESBURG, ILLINOIS, ASSIGNOR OF ONE-HALF TO DAVID W. MOFFAT, OF GALESBURG, ILLINOIS

CONTAINER

Application filed July 9, 1929. Serial No. 376,994.

This invention relates to new and useful improvements in containers generally, although the invention is particularly adapted for use in connection with containers constructed to contain a refill package of cosmetics or the like.

Heretofore, it has been the practice to put cosmetics, especially those of the emulsion type, in glass or opal jars which are fragile, heavy and easily damaged. The expensive item in putting up these preparations in such jars is the jar itself, and consequently the consumer necessarily pays for a new jar each time a purchase is made.

One of the objects of my invention is to provide a means for marketing such cosmetics in a manner to give the purchaser a clean and sanitary article without necessitating the purchase of a new jar each time a new supply is bought.

Another object of the invention lies in the provision of a container which includes inner and outer receptacles, the inner receptacle constituting a refill for the cosmetics, in combination with means for removably securing the receptacles against relative turning movements.

With these and other objects in view which will more fully appear, the nature of the invention will be more clearly understood by following the description, the appended claims, and the several views illustrated in the accompanying drawings.

In the drawings:

Figure 1 is a perspective view of a container constructed in accordance with my invention,

Figure 2 is a vertical sectional view therethrough and showing particularly the clamping ring engaging the inner receptacle,

Figure 3 is a similar view but taken at right angles and showing particularly the clamping ring engaging the outer receptacle,

Figure 4 is a perspective view of the clamping ring,

Figure 5 is a horizontal sectional view taken on the line 5—5 of Figure 2, and

Figure 6 is a detail sectional view of the inner receptacle showing a cover applied thereto.

Referring to the drawings, my invention includes an outer receptacle A, an inner receptacle B, a clamping ring C, and a closure D.

The outer receptacle A is preferably formed of metal and includes a bottom 5 and an annular wall 6, the latter having recesses 7, 7 formed in its upper edge.

The inner receptacle B is preferably formed of paper and includes a bottom 8 and an annular wall 9, the upper end of the wall having its outer face formed with a circumferential recess 10 forming at its lower end a stop shoulder 11. In order that the inner receptacle be impervious to moisture so that it may be used for containing cosmetics of the emulsion type, the walls 8 and 9 are provided with a moisture proof lining 9*a* of celluloid, tin foil, parchment paper, or the like.

The outer and inner receptacles are each formed with an open top and are so arranged that, when the inner receptacle is positioned within the outer receptacle, the upper edges of both receptacles will be substantially in the same horizontal plane.

In order to provide means for retaining the inner receptacle against turning movements relative to the outer receptacle, I have provided the clamping ring C which is formed of metal and includes a horizontal flange 12 and a vertical flange 13, the horizontal flange being seated on the upper edge of the outer receptacle and extending over the recesses 7 thereof, and the vertical flange 13 being disposed within the circumferential recess 10 and between said inner and outer receptacles. This vertical flange 13 is formed into a plurality of spaced spring fingers 14 by splitting the flange. The lower edges of the fingers 14 are each provided with an inwardly extending projection 15 adapted to frictionally engage the outer face of the wall 9 of the inner receptacle. The flange 13 intermediate the fingers 14 is formed by the latter into a plurality of fingers 16, and formed on the lower edge of each finger 16 is an outwardly extending projection 17 adapted to frictionally engage the inner face of the wall 6 of the outer receptacle. Thus

the fingers 14 and 16 respectively engage the inner and outer receptacles and thereby frictional hold said receptacles against relative turning movements. The ring C, however is capable of being removed by inserting a tool within either of the recesses 7 and forcing the ring upwardly out of the outer receptacle. This movement will probably lift the inner receptacle therewith and consequently the ring if desired may be removed from the inner receptacle.

The closure D is adapted to frictionally engage the upper end of the outer receptacle and the peripheral flange 18 of said closure is of sufficient depth to cover the recesses 7.

The inner receptacle constitutes the refill package and it will be observed that the same may be readily inserted within the outer receptacle or removed therefrom. If desired, the inner receptacle B may be provided with a cover E as shown in Figure 6 which cover may be removed prior to the insertion of the refill within the outer receptacle.

I claim:

1. In a container, the combination of inner and outer receptacles having open tops, the upper edge of the outer receptacle being formed with a recess, and a clamping ring positioned between and cooperating with the upper ends of said receptacles for retaining the latter against relative movements, said ring including a horizontal flange seated on the upper edge of the outer receptacle and extending over said recess.

2. In a container, the combination of inner and outer receptacles having open tops, and a clamping ring positioned between the upper ends of said receptacles and including spring fingers arranged to alternately engage the respective receptacles and retain the latter against relative rotation.

3. In a container, the combination of inner and outer receptacles having open tops, the upper edge of the outer receptacle being formed with a recess, a clamping ring positioned between the upper ends of said receptacles and including spring fingers arranged to alternately engage the respective receptacles and retain the latter against relative rotation, and a horizontal flange seated on the upper edge of the outer receptacle and extending over said recess.

4. In a container, the combination of inner and outer receptacles having open tops, the upper edge of the outer receptacle being formed with a recess, and a clamping ring positioned between the upper ends of said receptacles and including connected horizontal and vertical flanges, the horizontal flange being seated on the upper edge of the outer receptacle and extending over said recess, and the vertical flange being formed into a plurality of spring fingers, certain of said fingers having inwardly extending enlargements at their lower edges for engaging the inner receptacle and certain of the other fingers having outwardly extending enlargements at their lower edges for engagement with the outer receptacle whereby said receptacles are held against relative rotary movements.

5. In a container, the combination of inner and outer receptacles having open tops, the upper edge of the outer receptacle being formed with a recess, and a clamping ring positioned between the upper ends of said receptacles and including connected horizontal and vertical flanges, the horizontal flange being seated on the upper edge of the outer receptacle and extending over said recess, and the vertical flange being formed into a plurality of spring fingers, certain of said fingers having inwardly extending enlargements at their lower edges for engaging the inner receptacle and certain of the other fingers having outwardly extending enlargements at their lower edges for engagement with the outer receptacle whereby said receptacles are held against relative rotary movements, and a removable closure for the container engaging the upper end of the outer receptacle.

In testimony whereof, I have hereunto subscribed my name.

JOHN W. BURKE.