Dec. 25, 1934. A. MITCHELL 1,985,615

CONTAINER

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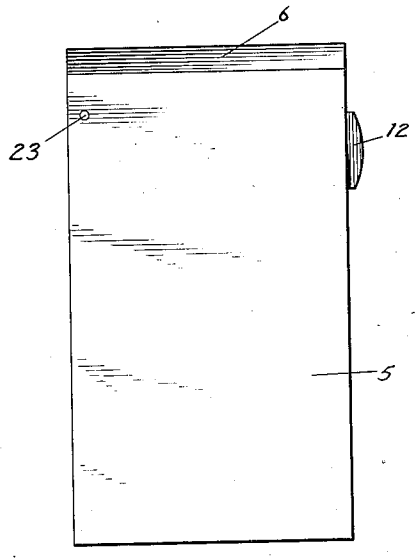


Fig. 1.

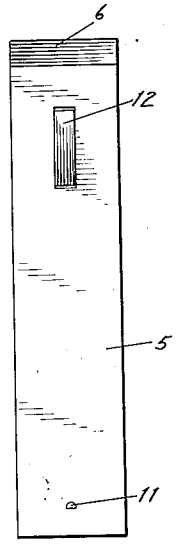


Fig. 2.

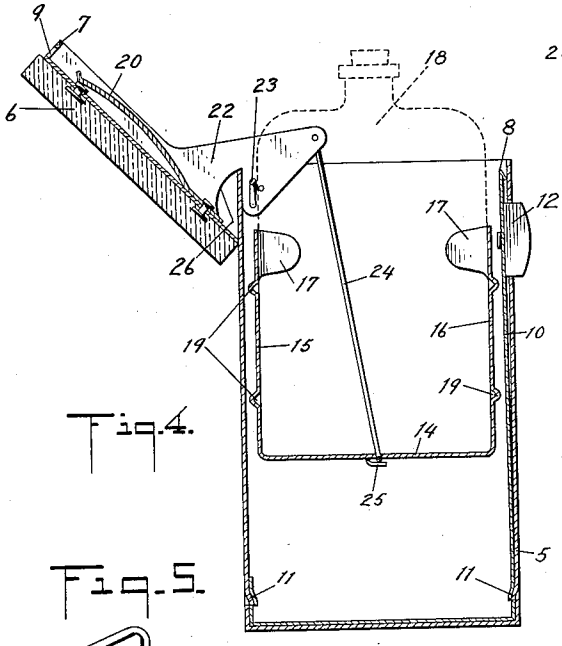


Fig. 4.

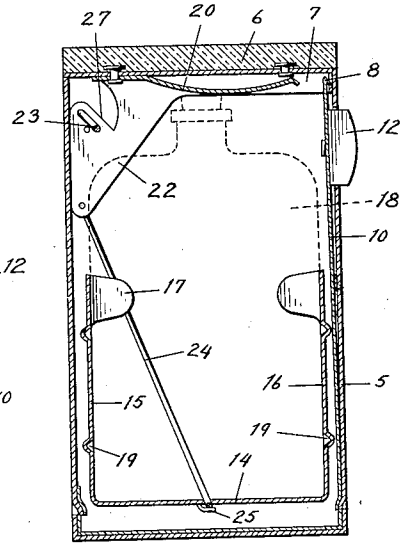
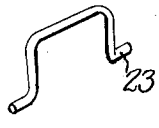


Fig. 3.

Fig. 5.



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CONTAINER

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Application January 11, 1933, Serial No. 651,129

2 Claims. (Cl. 206—1)

This invention relates to containers.

It is an object of the invention to provide a closed container such that the housed article or articles will be automatically placed in an accessible position upon opening of the container.

With this general object in view, the invention consists in the features, combinations, details of construction and arrangements of parts which will first be described in connection with the accompanying drawing and then more particularly pointed out.

In the drawing:

Figure 1 is a view in side elevation of a container constructed in accordance with the invention;

Figure 2 is a view of the same in front elevation;

Figure 3 is a vertical, sectional view showing the container closed; and

Figure 4 is a similar view showing the container open.

Figure 5 is a view showing a detail of the invention.

Referring to the drawing, the invention is here illustrated, as an example, in the form of a container for a perfume or similar toilet bottle, though it is to be understood that it can be used for a variety of contained articles.

The container shown comprises a housing 5 in the form of an open topped box. Hinged to the top of the box, by means hereinafter described, is a cover or lid 6 having a downwardly extending flange or skirt 7 which fits into the open top of the box when the lid is closed.

This cover is normally held closed by a catch 8 which hooks into a hole 9 in the front part of flange 7. The catch is carried on the end of a leaf spring 10 and may conveniently be formed integral therewith. This spring extends down the inside of the front of the box, across the bottom and up the other side a short distance. It is anchored by punching in the metal, as at 11, on both the front and rear faces of the box.

The free end of the spring is forced inwardly, to release the catch, by a thumb piece 12 secured to the upper end of the spring and projecting through a suitable opening in the front of the box.

There is provided a support or carrier movable up and down in the box, its specific form depending on character of the article or articles to be contained. In the present exemplification, the carrier 14 is for a bottle and has front and rear walls 15, 16, with open sides to economize on metal. The front and rear walls, near the top thereof, each have a pair of inwardly extending wings 17 for embracing and positioning a bottle 18. The under side of the cover 6 has a spring 20 for engaging the bottle stopper to hold the same in place when the container is closed and to hold the bottle securely in its seat.

The walls 15, 16, have struck up nibs 19 for guiding the carrier in its movement in the box, thus avoiding contact of relatively extensive areas.

The invention in its entirety includes means for causing the carrier support to be raised when the cover is opened and to be lowered when the cover is closed. Although capable of various constructions, in that here illustrated as an example, each side of flange 7 has a roughly triangular shaped extension 22. The cover is hinged to the box by a wire pintle 23 which passes through the extensions 22 and journaled in the respective sides of the box. The pintle intermediate the extensions 22 is bent into crank formation, tending to brace the extensions and prevent warping. The crank formation as the carrier moves upward is adapted to be rotated to the position shown in Figure 4 so as to be out of the path of movement of the bottle or container.

Journaled in the apices of extensions 22 are the ends of a wire stirrup 24 in which the carrier is suspended. The foot of the stirrup is pivotally secured to carrier 14 by one or more clips 25, conveniently formed by punching out metal from the carrier.

The extensions 22 are cut away to form arcuate edges 26 which ride on the top edge of the box as the cover swings open and shut, thus steadying the parts in their movement.

At the end of each arc is a straight edge portion 27 which serves as a stop shoulder to engage the inside of the box and limit the opening movement of the cover and hence the lifting movement of the carrier.

In operation, pressure on thumb piece 12 releases catch 8 from the cover and permits opening thereof. As the cover is manually swung open the apices of triangular extensions 22 move upwardly and so raise carrier 14 through stirrup 24. In the full open position of the cover, governed by stop shoulders 27 (Fig. 4), the contained article, such as the perfume bottle 18, is projected to a readily accessible position. When the cover is reversely swung to close the container, reverse movements take place and the carrier with its bottle is lowered again into the box. At the end of this cover movement the catch snaps into place and spring 20 bears down

on the bottle stopper to hold the stopper and bottle firmly in position (Fig. 3).

What is claimed is:

1. In combination, a box-like housing, a cover therefor, two wing pieces on the under side of said cover, means hingedly connecting said wing pieces with the housing, said means including a crank journaled in the housing with the bent portion disposed between the wing pieces, a support movable in the housing, and means connecting the wing pieces with the support for causing the support to be raised upon opening movement of the cover and lowered upon closing movement thereof.

2. In combination, a box-like housing for containing a receptacle, a cover for the housing, a pair of wing pieces on the under side of said cover, a crank member passing through the wing pieces and having its ends journaled in opposing sides of the housing, said crank member constituting a hinge support for the cover with its bent portion interposed between the wing pieces, and in the path of the receptacle located in the housing when the cover is closed, and adapted to be moved out of the path of said receptacle when the cover is opened, a support for the receptacle movable in the housing, and means connecting the wing pieces with the support to be raised upon opening movement of the cover and lowered upon closing movement thereof.

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