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CONTAINER

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Fig. 1.

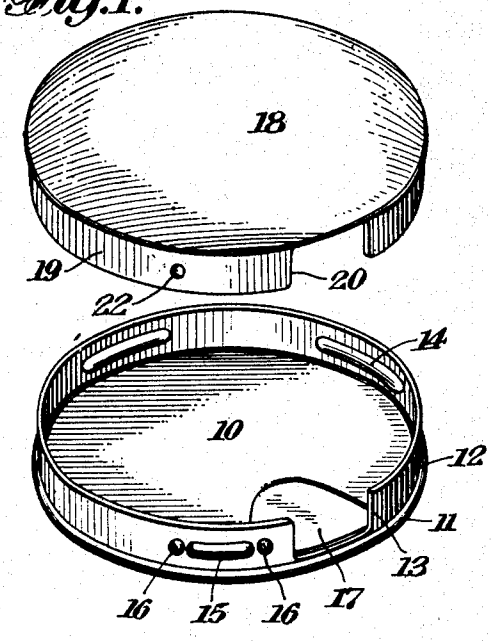


Fig. 2.

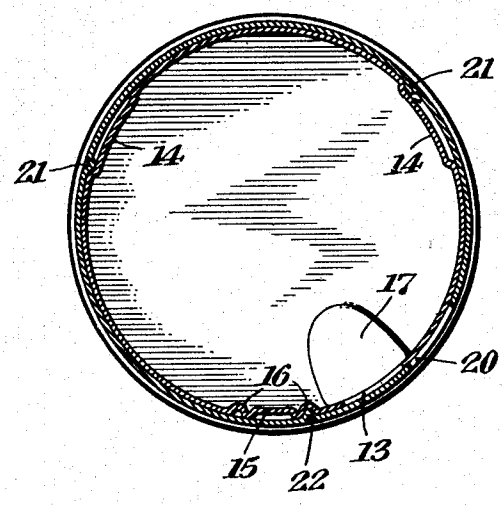


Fig. 3.

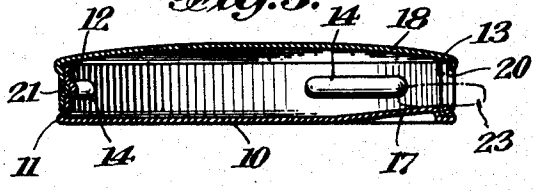


Fig. 4.

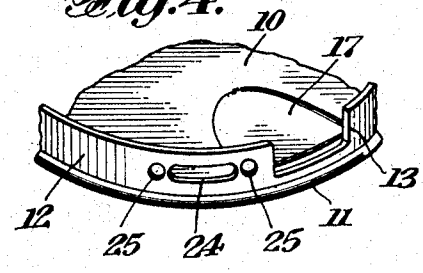


Fig. 5.

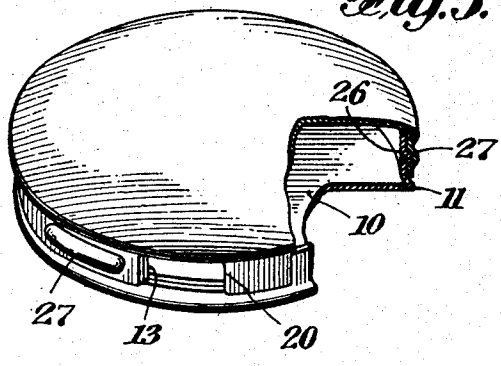


Fig. 7.

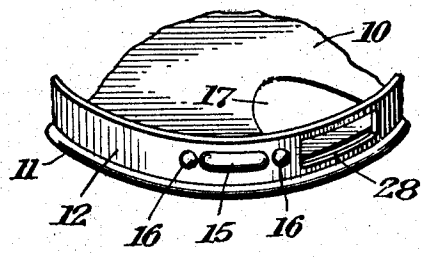
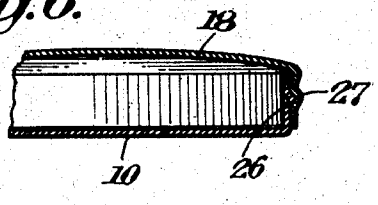


Fig. 6.



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Fig. 8.

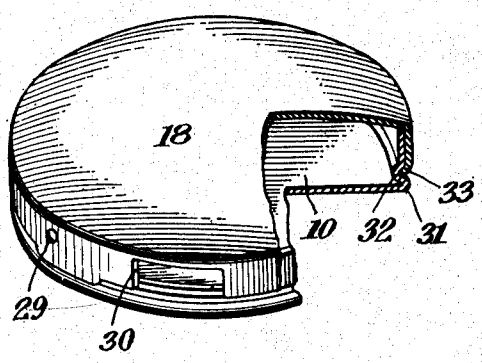


Fig. 9.

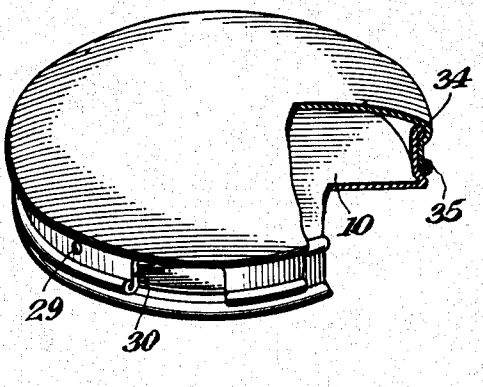


Fig. 10.

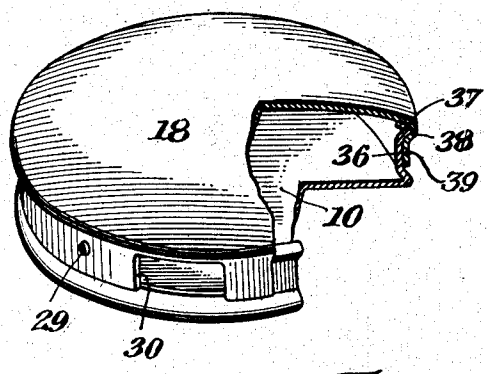


Fig. 11.

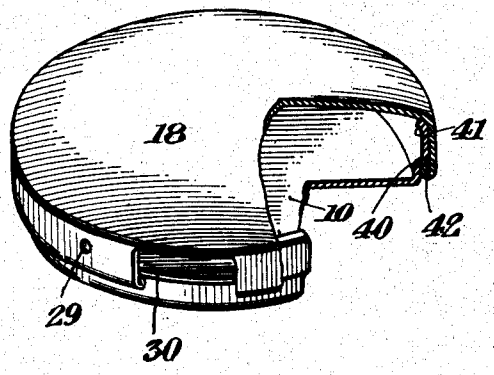


Fig. 12.

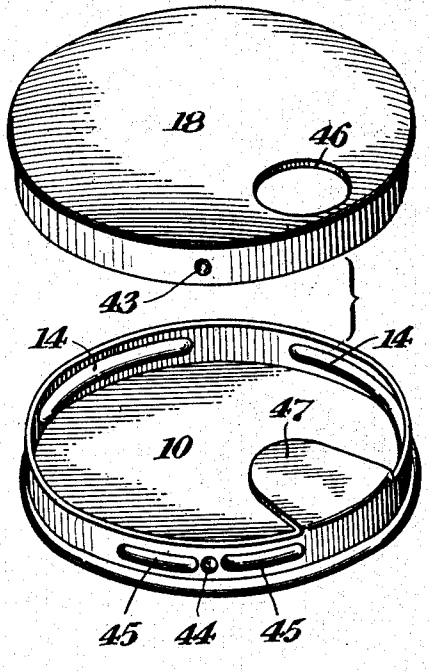
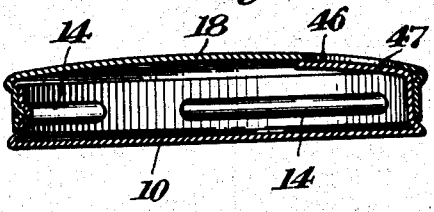


Fig. 13.



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2,008,319

CONTAINER

Alfred E. Bruns, Huntington, and Herman W. Rueger, Brooklyn, N. Y.

Application June 14, 1932, Serial No. 617,082

3 Claims. (Cl. 206—42)

This invention relates to containers adapted to hold tablets or other commodities and has for its principal object the production of a container of novel and simple construction, and preferably formed of sheet metal, which shall be so designed as to permit easy access to its contents when so desired and which may be closed at will by a simple movement to prevent loss of its contents.

A further object of the invention is the production of a container of the above character which shall be provided with automatic holding means for holding it in open or closed position.

To the above ends the invention consists in the novel container hereinafter more particularly described and then specified in the claims.

In the accompanying drawings illustrating a practical embodiment of the invention:

Fig. 1 is a perspective view of the two parts of the container before they have been assembled together.

Fig. 2 is a horizontal section taken therethrough with the parts in assembled relation.

Fig. 3 is a vertical section taken therethrough.

Fig. 4 is a fragmentary perspective view of a portion of the container body showing a modification.

Fig. 5 is a perspective view (partly broken away) showing a further modification.

Fig. 6 is a fragmentary sectional view of the container of Fig. 5 but showing a slight modification.

Fig. 7 is a fragmentary perspective view of the container body showing still a further modification.

Fig. 8 is a perspective view (partly broken away) of another modification.

Fig. 9 is a similar view but showing still a further modification.

Fig. 10 is a similar view of another modification.

Fig. 11 is a similar view of another modification.

Fig. 12 is a perspective view of another modification showing the parts before they have been assembled together.

Fig. 13 is a vertical section of the container of Fig. 12 showing the parts in assembled relation.

Referring in detail to the several figures of the drawings:

The container body is indicated at 10. It is provided with a lower beaded peripheral edge 11, an upstanding flange 12 and an opening 13 cut downwardly from the periphery of the flange 12. Said flange is also provided with inwardly pressed grooves 14, an inwardly pressed groove 15 and two depressions 16 adjacent either end of the groove 15. The base of the body is also pressed upwardly to form a runway 17 coinciding with the opening 13.

The cover is indicated at 18. It is provided with a downwardly depending flange 19 adapted to interfit over the flange 12 and it is cut away to form an opening 20 adapted to register with the opening 13 and with pins or lugs 21 which are adapted to ride within the grooves 14 and which also serve the function of preventing removal of the cover from the body without the application of considerable force. The cover is also provided with a pin or lug 22 adapted to ride within the groove 15 and be snapped within the depressions 16.

To obtain access to the contents of the container the cover is rotated from the position shown in Fig. 2 until the opening 20 is in registry with the opening 13. When so rotated, the pins or lugs 21 will ride within the grooves 14 and the pin or lug 22 will first be snapped out of one depression 16, then ride in the groove 15 and then be snapped into the other depression 16. Said depressions 16 and lug 22, as is obvious, act as retaining members to hold the cover in open or closed position as desired and prevent the cover from accidental rotation on the body. The function of the runway 17, should the contents of the container be tablets or pills 23, is to facilitate the removal of said tablets or pills through the opening 13 and prevent them from catching against the lower wall of the opening 13. Obviously in some cases I may dispense with the retaining members, especially when there is a close friction fit between the flanges 12 and 19 and simply provide a plurality of grooves 14, of any number desired, but of equal length.

In the modification of Fig. 4 a slot 24 and holes 25 are provided instead of the groove 15 and depressions 16 of the preferred form of the invention, similar slots (not shown) being provided instead of the grooves 14 in the preferred form.

In the modification shown in Fig. 5 the flange of the body is provided with a plurality of outwardly pressed lugs 26 adapted to ride within a similar number of outwardly pressed grooves 27 on the flange of the cover and the lower edge of the flange on the cover is adapted to ride on the bead 11 on the body. The modification of Fig. 6 is similar except that the bead 11 is dispensed with.

In the modification of Fig. 7 a walled opening 28 is cut through the flange of the body. This is

adapted to register with a similar opening cut through the flange of the cover.

In the modification of Figs. 8 to 11 inclusive the grooves or slots in the body members and the lugs or pins in the cover members are not shown as they have heretofore been fully described in connection with the preferred form of the invention. One of the lugs or pins in the flange of the cover is indicated at **29** and the opening in the cover is indicated at **30**. These modifications merely show different assemblies between the covers and bodies.

In Fig. 8 the lower body is beaded as at **31** and the flange adjacent said bead is grooved as at **32**. The lower end of the flange of the cover is inwardly turned as at **33** and rides within said groove **32** while the upper end of the flange of the body is straight and rides against the corner of the cover.

The construction of Fig. 9 is somewhat similar with the exception that the upper end of the flange of the body is beaded as at **34**, the lower end of the flange of the cover being also beaded as at **35**.

In the construction of Fig. 10 the flange of the body is depressed inwardly as at **36**, its extreme end being turned inwardly as at **37** and riding against the underside of the cover. The flange of the cover is rounded as at **38** to engage the shoulder formed by the end **37** and then straightened as at **39** to form a straightened portion which rides within the depression **36**.

In the modification of Fig. 11 the flange of the body is grooved as at **40** and its extreme end is turned inwardly as at **41** and rides against the underside of the cover. The lower end of the flange of the cover is beaded as at **42** and rides within the groove **40**.

In the modification of Figs. 12 and 13 one retaining member only is provided comprising a lug or pin **43** on the flange of the cover and a depression **44** on the flange of the body. On either side of the depression are the grooves **45** so that the lug or pin **43** may be snapped into the depression **44** and to ride in either of the grooves **45** depending on the direction of rotation of the cover. In this case also the contents of the container is removed through an opening **46** in the top of the cover which is closed or opened when the cover is rotated by a closure member **47** extending inwardly from the top edge of the flange of the body.

Various other modifications may be made without departing from the spirit of the invention as set forth in the appended claims.

What we claim as our invention is:

1. In a metallic container, a body member provided with an upstanding flange and base and a rotatable cover member provided with a depending flange interfitting with said first-named flange, one of said flanges being provided with a plurality of spaced grooves pressed from the metal of said flange and the other with lugs riding within said grooves to limit the degree of rotation of said cover member and to prevent removal of said cover member from said body member, said flanges each being provided with openings adapted to register with each other to permit access to the contents of the container and means extending from and forming a portion of the base of said body member and meeting the opening in said upstanding flange to facilitate the removal of the contents of the container when both openings are in registry.

2. In a container, a body member provided with an upstanding flange and base and a rotatable cover member provided with a depending flange interfitting with said first-named flange, said flanges each having openings therein adapted to register with each other, means on said flanges cooperating with each other to permit rotation of said cover member and to prevent removal of said cover member from said body member and means extending from and forming a portion of the base of said body member and meeting the opening in said upstanding flange to facilitate the removal of the contents of the container when both openings are in registry.

3. In a container, a body member provided with an upstanding flange and a rotatable cover member provided with a depending flange interfitting with said first-named flange and both of said flanges having openings adapted to register with each other, said body member having an inclined runway pressed upwardly from its base and directed toward the opening in its flange.

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