C. VON ALLMEN.

JAR TOP OR CLOSURE.

APPLICATION FILED JAN. 28, 1921.

1,437,029. Patented Nov. 28, 1922.

FIG. 1.

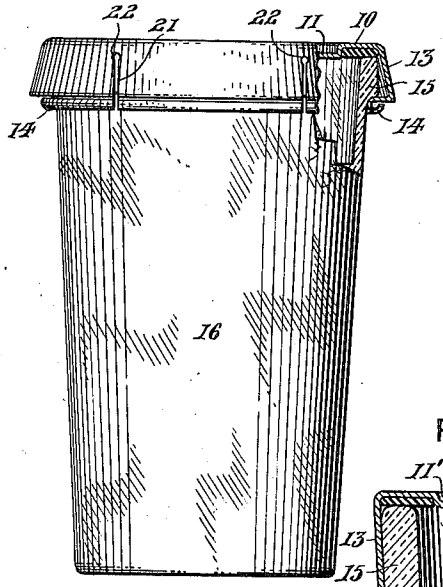


FIG. 2.

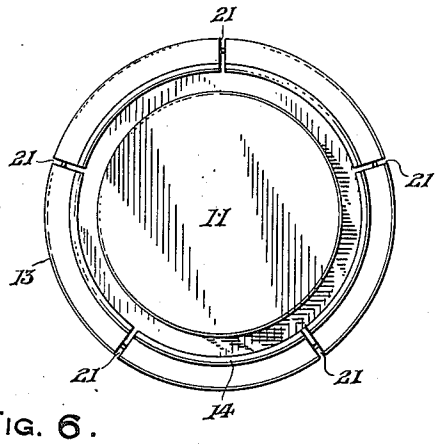


FIG. 6.

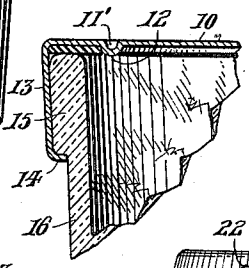


FIG. 3.

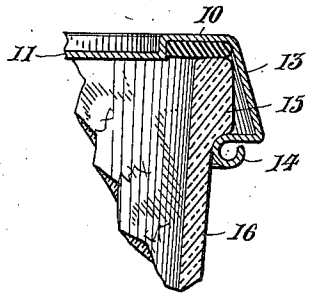


FIG. 4.

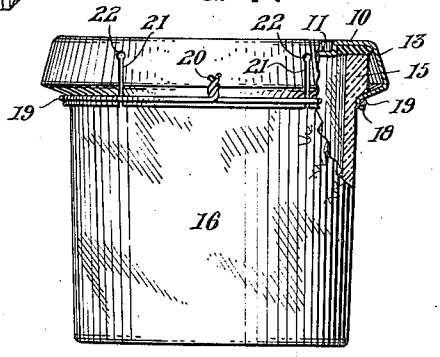
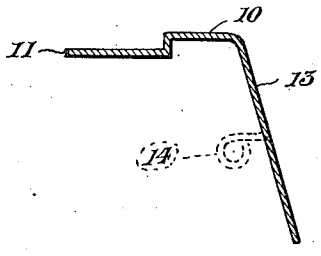


FIG. 5.



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UNITED STATES PATENT OFFICE.

CHRISTIAN VON ALLMEN, OF LOUISVILLE, KENTUCKY.

JAR TOP OR CLOSURE.

Application filed January 28, 1921. Serial No. 440,582.

To all whom it may concern:

Be it known that I, CHRISTIAN VON ALLMEN, a citizen of the United States of America, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Jar Tops or Closures, of which the following is a specification.

This invention relates to jar tops or closures such as are commonly used to cover jars or glasses containing preserves, jellies and the like.

One important object of the invention is to provide an improved form of jar top which may be economically manufactured and which may be applied to a jar without the use of special machinery.

A second important object of the invention is to provide a novel and improved form of such jar top or closure which will have improved means for holding the closure securely on a jar.

A third important object of the invention is to provide an improved closure having novel means for retaining a packing washer in proper position for application to a jar.

With the above and other objects in view, the invention consists in general of certain novel details of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawings and specifically claimed.

In the accompanying drawings like characters of reference indicate like parts in the several views, and:—

Figure 1 is a side elevation of a jar having one form of the device applied thereto.

Figure 2 is a bottom plan view of a second form of the device.

Figure 3 is an enlarged detail section through an edge portion of the form shown in Figure 1.

Figure 4 is a side elevation, partly in section, of a jar having a top or closure of the form shown in Figure 2.

Figure 5 is a detail section through the edge of the device before the bead is formed.

Figure 6 is a modified form of the closure.

In both forms of the device there is provided a body portion 10 having a downwardly pressed center 11 concentric with and in spaced relation to its periphery. This downwardly pressed center 11 forms on the under side of the top or closure an annular flange 12. Depending inclinedly from the periphery of the body portion of the closure is a flange 13 having at its lower edge in the form shown in Figures 1 and 3 an inwardly projecting beaded lip 14 arranged to engage beneath the lip 15 of a jar 16.

In the form shown in Figures 2 and 4 the bead of this lip is used to enclose a wire 19, the bead being open so that the ends of the wire may be twisted together as at 20 to draw the lower edge of the flange inwardly and hold the flange lip securely beneath the jar lip 15.

In each of the forms there is provided a series of slits 21 cut entirely through the lip and extending upwardly of the flange 13 to points adjacent the junction of said flange with the body 10 and there terminating each in a substantially circular opening 22 of slightly greater diameter than the width of the slit so as to prevent all possible tearing at the upper ends of said slits.

Between the flange 12 and the flange 13 is fitted a packing washer or ring 23 of some compressible material such as rubber or the like, the ring being held from slipping inwardly by said flange 12.

In applying this closure the jars are filled cold and the contents heated. The top is then simply slipped on whereupon, as the contents cool, atmospheric pressure will force the closure down and hermetically seal the jar.

There has thus been provided a simple and efficient device of the kind described and for the purpose specified.

Having thus described the invention, what is claimed as new, is:—

1. A jar top consisting of a central disk like body portion having a downwardly inclined peripheral flange when in operative position spaced from the jar and provided at its lower edge with an inwardly projecting lip, said lip and flange being provided with a series of spaced slits open at their ends through the lip, said slits each terminating at its upper end in a substantially circular opening of greater diameter than the slit, said lip being beaded to provide a channel around the exterior of the flange, and a wire held in said channel and having its ends twisted together, said channel being open exteriorly throughout its entire extent whereby to permit application of and removal of the wire from the cap at will.

2. A jar top consisting of a central disk

like body portion provided with a downwardly projecting flange concentric with and in spaced relation to its periphery and having a downwardly inclined peripheral flange when in operative position spaced from the jar and provided at its lower edge with an inwardly projecting lip, said lip and flange being provided with a series of spaced slits open at their ends through the lip, said slits each terminating at its upper end in a substantially circular opening of greater diameter than the slit, said lip being beaded to provide a channel around the exterior of the flange, and a wire held in said channel and having its ends twisted together, said channel being open exteriorly throughout its entire extent whereby to permit application of and removal of the wire from the cap at will.

In testimony whereof I affix my signature.

CHRISTIAN VON ALLMEN.