Jan. 16, 1923.

L. O. CULVER.

1,442,652.

BOTTLE CLOSURE.

FILED FEB. 24, 1922.

FIG. 1.

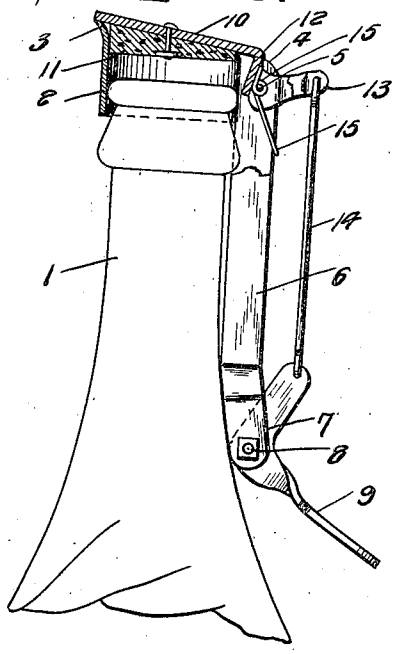


FIG. 2.

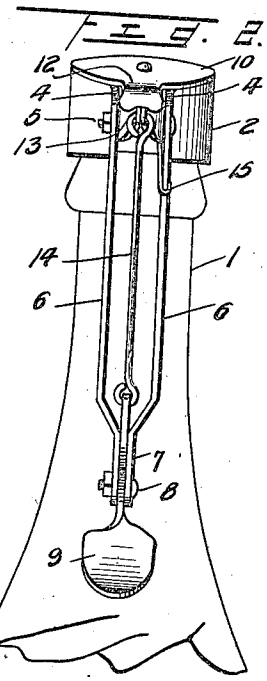


FIG. 3.

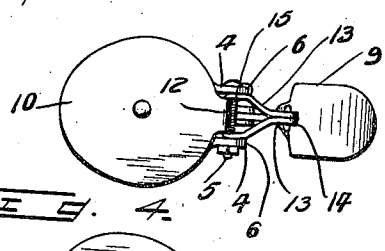


FIG. 4.

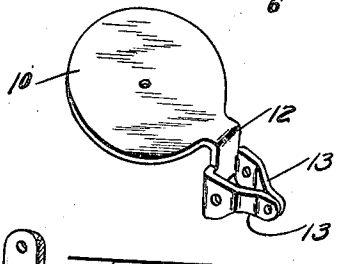


FIG. 5.

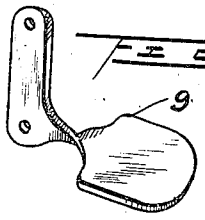
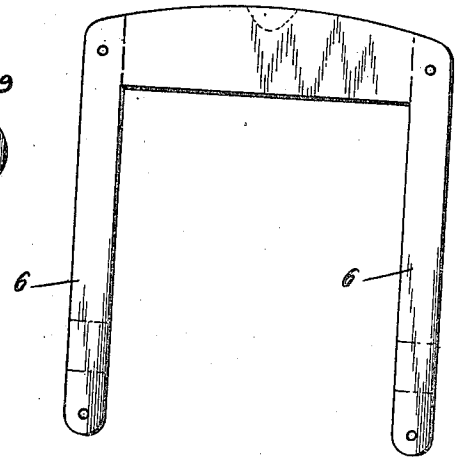


FIG. 6.



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Patented Jan. 16, 1923. 1,442,652

UNITED STATES PATENT OFFICE.

LEWIS O. CULVER, OF WEST PITTSTON, PENNSYLVANIA.

BOTTLE CLOSURE.

Application filed February 24, 1922. Serial No. 538,877.

To all whom it may concern:

Be it known that I, LEWIS O. CULVER, a citizen of the United States, residing at West Pittston, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Bottle Closures; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to temporary closing means for a bottle, jar or like necked container after the permanent sealing or closing means has been removed, so as to prevent insects, dust or other foreign matter from entering the bottle and which at the same time provides means whereby the contents may be readily poured off without requiring the hand to come in direct contact with the cover or closure, said means being of such construction as to be readily placed in position or removed from the bottle or like necked container and which is simple in construction, efficient in service and comprising a relatively few number of parts which may be struck from sheet metal and quickly assembled at a minimum cost.

Other objects and advantages will be apparent and suggest themselves as the nature of the invention is understood.

While the drawings illustrate an embodiment of the invention it is to be understood that in adapting the same to meet different conditions and requirements, various changes in the form, proportion and minor details of construction may be resorted to without departing from the nature of the invention.

Referring to the accompanying drawings forming a part of the application,

Figure 1 is a side view of the neck portion of a bottle or like container provided with closing means embodying the invention, the cover and band being in section,

Figure 2 is a rear elevation of the closing means disassociated from the container,

Figure 3 is a top view of the device,

Figure 4 is a perspective view of the cover,

Figure 5 is a perspective view of the thumb lever, and

Figure 6 is a diagrammatic view of the band and arms forming a part thereof.

Corresponding and like parts are referred to in the following description and designated in the several views of the drawings by like reference characters.

The numeral 1 designates the neck portion of a bottle or like container provided with a neck, the same being illustrated to demonstrate the application of the invention.

The device is in the nature of an attachment and is adapted to be applied to the neck of the bottle or like container and comprises a band 2 having an upper edge portion pressed outwardly to form a pouring lip 3. The ends of the band 2 extend outwardly, as indicated at 4, and are apertured to receive a bolt 5 or like fastening, whereby the ends of the band may be drawn together to clamp the same about the neck of the bottle. The upper edge of the band 2 slopes upwardly and forwardly, whereby to increase the length of the pouring lip 3. Arms 6 depend from the offset portions 4 of the band 2 and extend in parallel relation and their lower ends are drawn inwardly, as indicated at 7. Fig. 2. The band 2 and arms 6 preferably form parts of a single blank, as indicated most clearly in Figure 6. The inwardly deflected ends 7 of the arms 6 are apertured to receive a bolt 8 or like fastening. A thumb lever 9 is mounted upon the fastening 8 and is of elbow form.

The cover 10 is adapted to fit close against the upper edge of the band 2 and is provided upon its under side with a suitable packing 11, whereby to insure a close joint to prevent insects, dust and the like from entering the bottle or container after the attachment has been applied thereto. A strip 12 projects outwardly from an edge portion of the cover 10 and its outer portion is bent downwardly and is provided with lateral extensions 13 which are inwardly curved to form an outwardly extending projection which is pivoted between the offstanding portions 4 of the band 2 and connected by means of a link 14 with the thumb lever 9, whereby manipulation of the latter effects an opening of the cover when it is required to pour the liquid contents of the bottle or like container. The cover 10 is pivotally mounted upon the fastening 5 and is normally held closed by means of a spring 15 which is likewise mounted on the fastening 5 and has one end in engagement with an arm 6 and the other end in engagement with the projecting part 12 of the cover 10, whereby to normally hold the latter in closed position.

It is observed that the construction is such

as to enable the parts to be struck from sheet metal of suitable gage. It is further noted that the device when in position is made secure by tightening the bolt or fastening 5, whereby the band 2 is clamped about the neck of the bottle or other container. This same fastening 5 forms a pivot support for the cover and sustaining means for the spring 15. The arms 6 extend along the side of the neck portion of the bottle or container and are braced thereby. These arms form a support for the thumb lever and being carried by the band 2, require no other fastening means for attaching the same or the thumb lever to the bottle or container.

What is claimed is:

1. A closing attachment for a bottle or like necked container, the same comprising a band adapted to be secured about the neck of the container, a cover pivoted to the band, a supporting member carried by and depending from the band and adapted to extend along a side of the container, and a thumb lever pivoted to the lower end of said supporting member and having connection with the cover to admit of the same being actuated by means of the thumb lever.

2. A closing attachment of the character specified, comprising a band, a cover pivoted to the band, an arm depending from the band and adapted to extend along a side of the container to which the band is fitted, a thumb lever pivoted to the lower end of the arm, and connecting means between the thumb lever and cover, whereby the latter may be actuated by means of the thumb lever.

3. A closing attachment of the character specified, comprising a band having its end portions offset, arms projecting from the offset portions of the band, fastening means for contracting the band to secure the same upon a container, a cover pivotally mounted upon said fastening means, a spring normally holding the cover closed and mounted upon said fastening means, a thumb lever pivoted to the lower ends of the arms, and a link forming connecting means between the thumb lever and cover.

4. Closing means of the character specified, comprising a band having its end portions spaced apart and laterally offset, parallel arms projecting from the offset portions of the band and having their lower ends brought together, a fastening for contracting the band and mounted in the offset portions thereof, a cover pivotally mounted upon said fastening, a spring normally holding the cover closed, a thumb lever pivotally mounted between the lower ends of said arms, and a link connecting the thumb lever with the cover.

In testimony whereof I affix my signature in presence of two witnesses.

LEWIS O. CULVER.

Witnesses:
DONALD O. COUGHLIN,
DENNIS O. COUGHLIN.