

No. 712,519.

Patented Nov. 4, 1902.

W. H. GOODFELLOW & H. W. GOODINE.

JAR CLOSURE.

(Application filed Oct. 21, 1901. Renewed Sept. 18, 1902.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

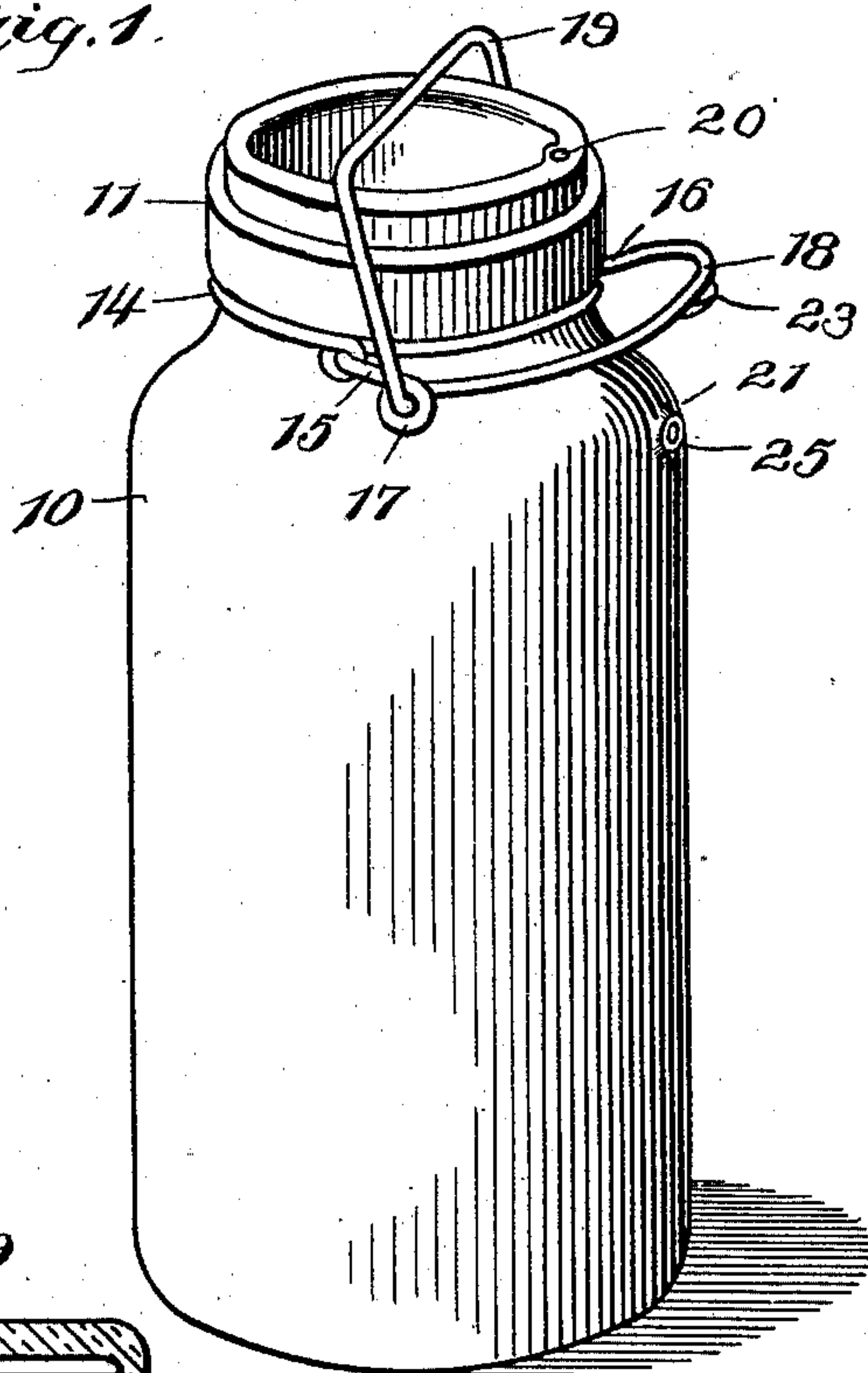


Fig. 2.

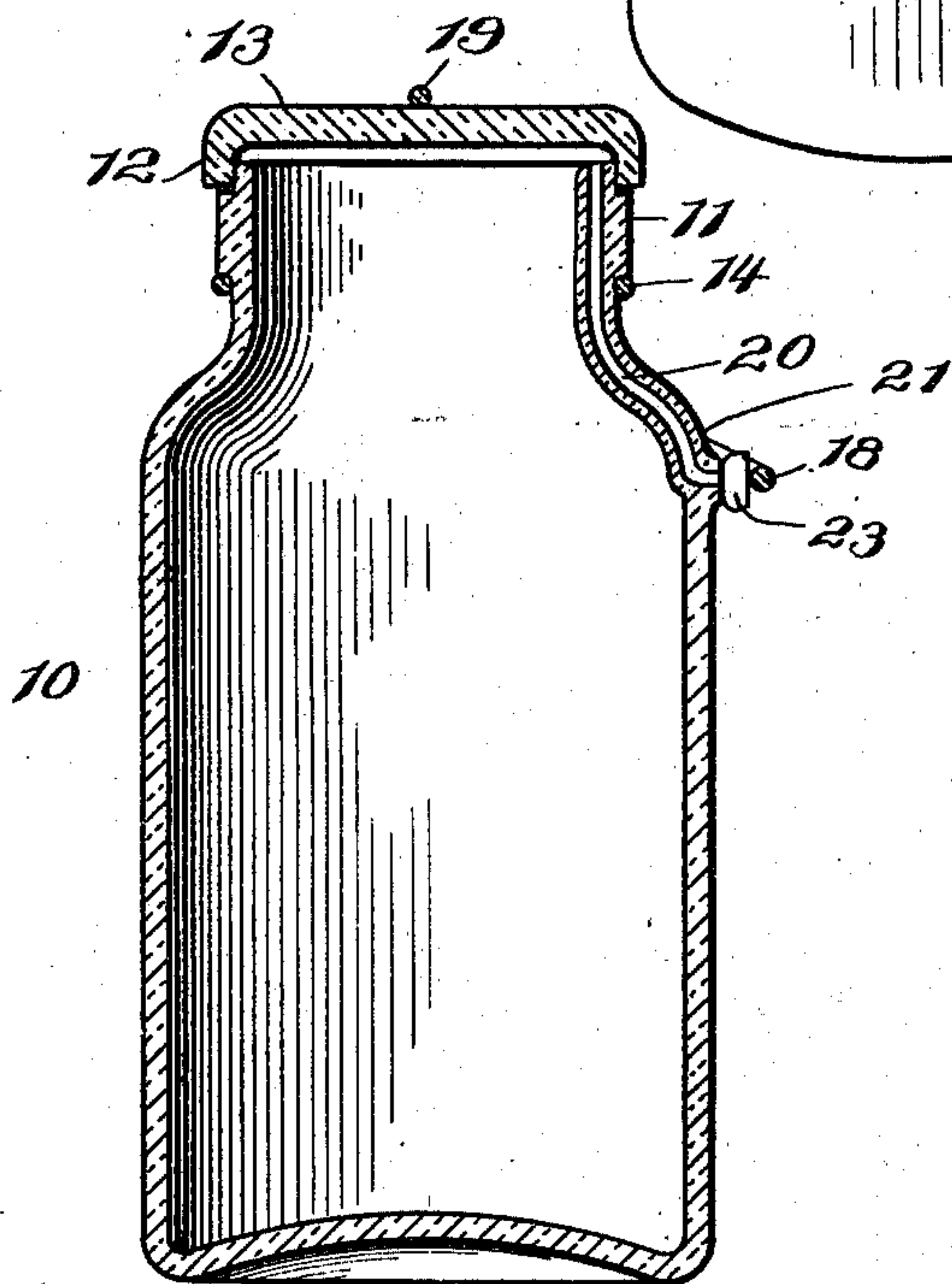
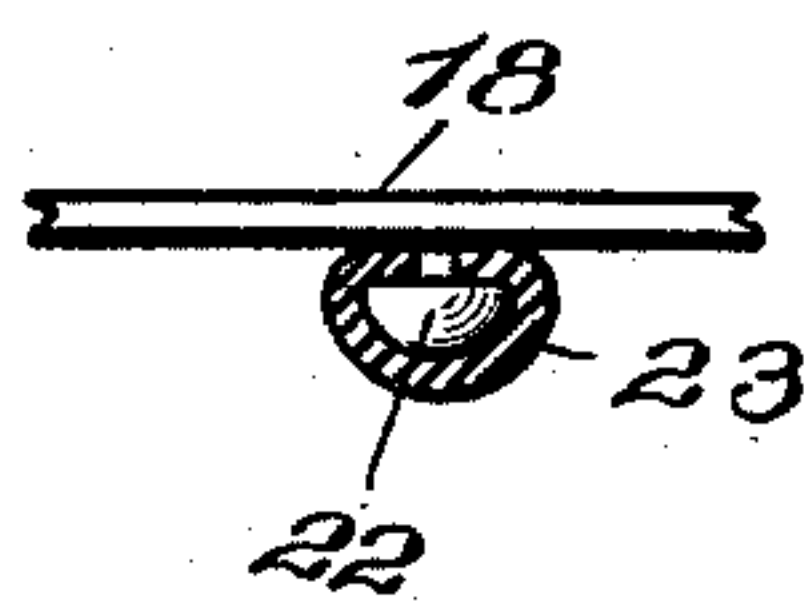


Fig. 3.



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Fig. 4.

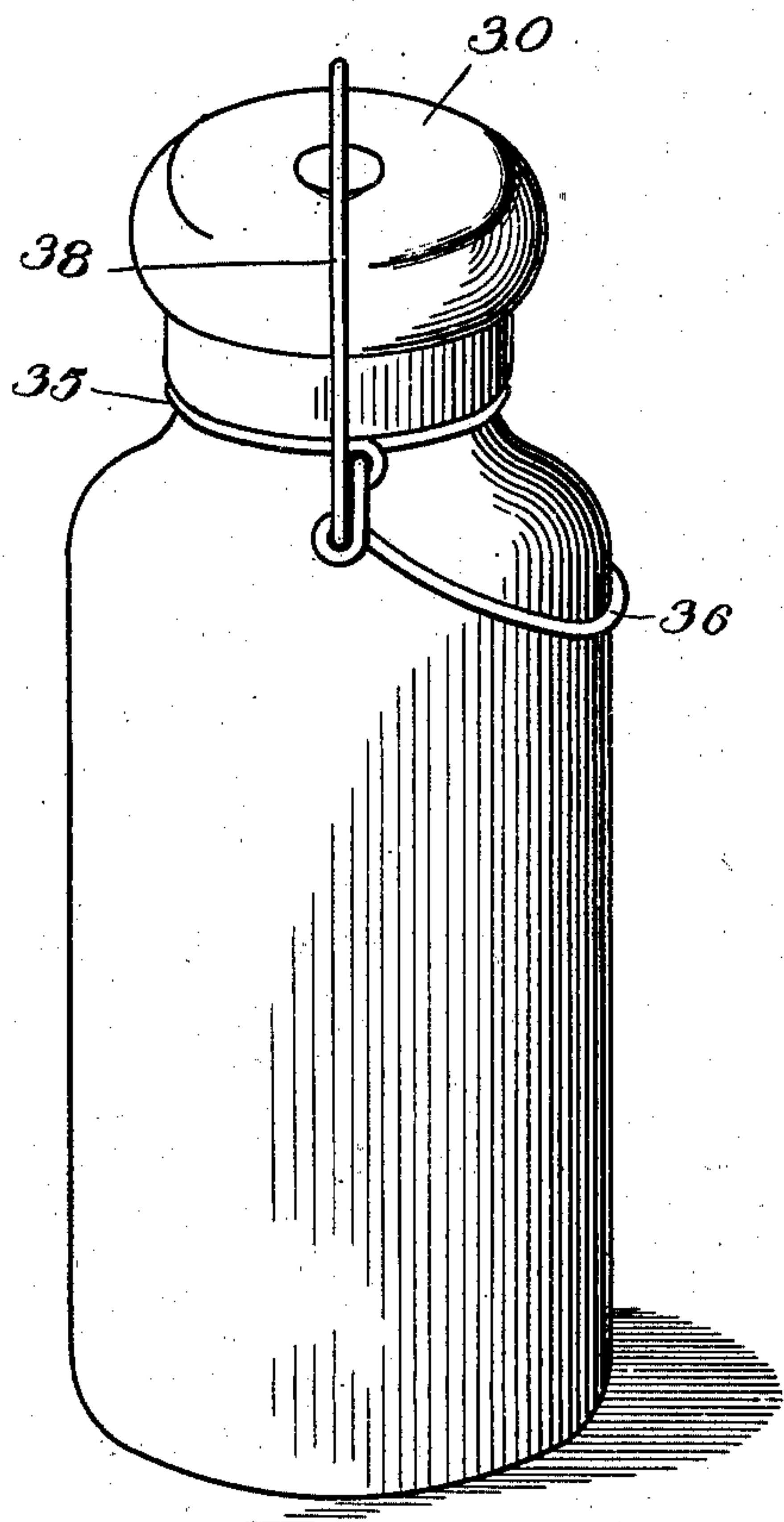
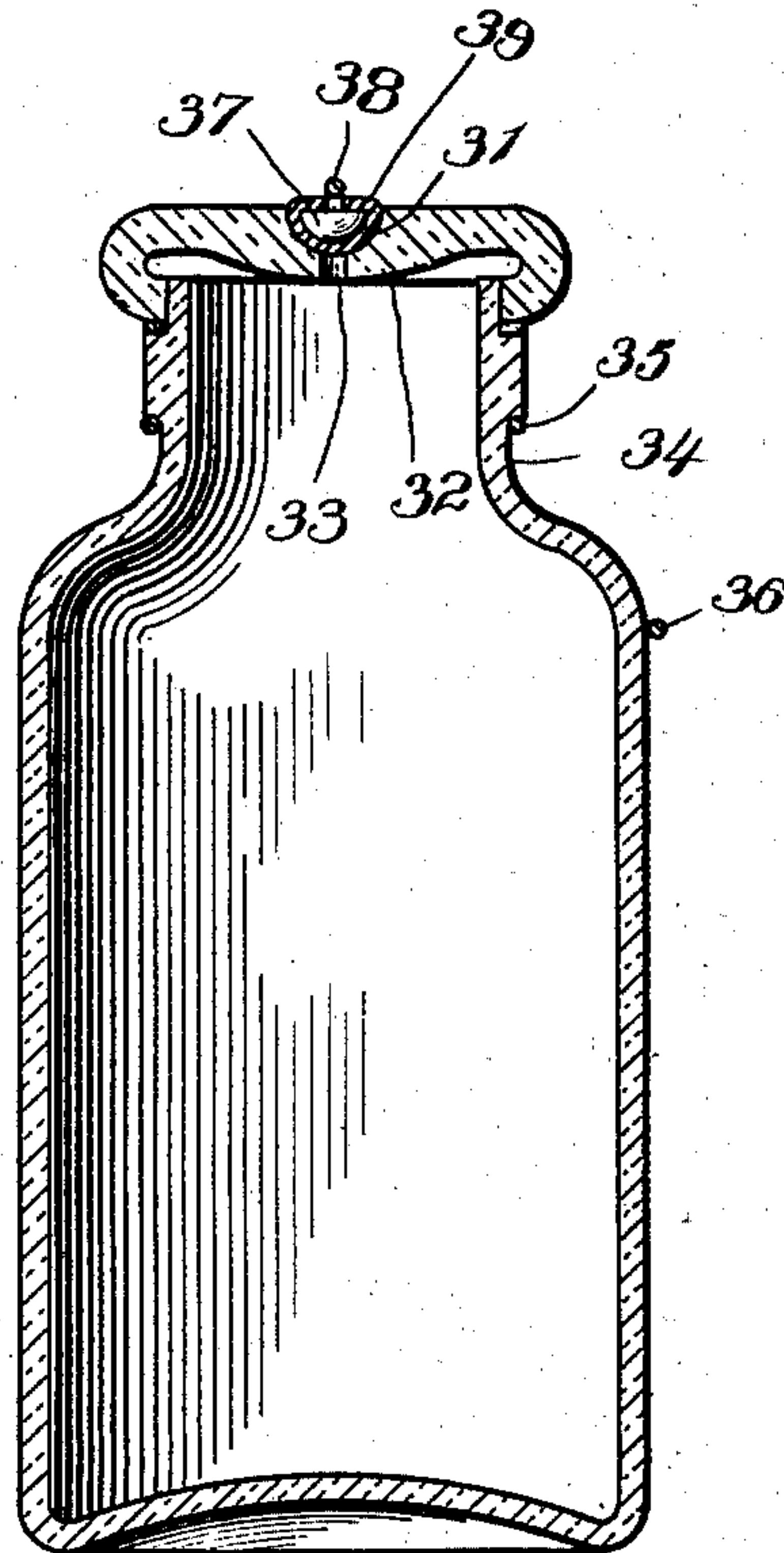


Fig. 5.



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WILLIAM H. GOODFELLOW AND HENRY W. GOODINE, OF SOUTH RYEGATE, VERMONT.

JAR-CLOSURE.

SPECIFICATION forming part of Letters Patent No. 712,519, dated November 4, 1902.

Application filed October 21, 1901. Renewed September 13, 1902. Serial No. 123,355. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM H. GOODFELLOW and HENRY W. GOODINE, citizens of the United States, residing at South Ryegate, in the county of Caledonia, State of Vermont, have invented certain new and useful Improvements in Jar-Closures; and we 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 fruit-jars, and more particularly to the closures therefor; and it has for its object to provide, in connection with the jar, a vent which will be opened and closed as the jar-closure is removed from the jar and applied thereto, so that there may be no difficulty in removing the cover and the rubber gasket between the cover, and the body of the jar will not be injured.

Other objects and advantages of the invention will be understood from the following description.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a perspective view showing a jar constructed in accordance with the present invention, the cover-clamp being raised to show the vent in the side of the jar. Fig. 2 is a vertical section through the jar and in the plane of the vent, the clamp being in active position and the cover in place. Fig. 3 is a detail sectional view showing the manner of attaching the vent-closure to the clamp. Fig. 4 is a perspective view showing a second form of the invention. Fig. 5 is a vertical section of the form shown in Fig. 3 of the drawings, taken in the plane including the vent.

Referring now to the drawings and more particularly to Figs. 1, 2, and 3 thereof, there is shown a jar 10, having a flange 11, extending outwardly from the neck thereof at a point just below the upper end thereof, and upon this flange is disposed an elastic gasket, upon which rests the downwardly-directed flange 12 at the outer edge of the cover 13 of the jar, so that there is an air-tight joint formed between the jar and its cover.

To hold the cover 13 upon the jar, a clamp-

ing mechanism is employed and consists of the collar 14, which encircles the neck of the bottle below the flange thereof and at diametrically opposite points of which are formed bearings for the inwardly-directed ends of a U-shaped lever, the sides 15 and 16 of which are bent to lie each with its end portion at right angles to the body portion thereof and to form loops 17 at the angles of these bends, the web 18 connecting the sides of the lever lying transversely of the neck of the jar and beyond it. A U-shaped clamping-bail 19 has its ends bent inwardly to form hooks, which are engaged with the loops 17, and when the lever is swung with its web downwardly the clamping-bail is drawn downwardly toward the mouth of the jar, this construction being well known in the art. The cover 13, being put upon the jar with the bail of the clamping-lever raised, the lever is then pressed downwardly, and the cover is engaged by the bail and held in place, the loops 17 passing beyond the bearings in the collar.

To permit air to feed into the jar when the cover is to be removed, so that it will not cling in place due to suction, a vent-passage 20 is formed in the jar and leads from the shoulder 21 of the jar inwardly and then upwardly through the wall of the jar and terminates at the upper edge of the neck of the jar at a point where it will not be closed by the cover 13 when the latter is in place, and air may run freely therethrough into the jar when the cover is lifted from place.

Upon the web 18 of the clamping-lever and at the inner side thereof is formed the enlargement 22, which is a section of a sphere somewhat greater than a hemisphere, and over this enlargement is fitted a rubber cap 23, the enlargement and its cap being in such position that when the lever is in clamping position the cap will cover the outer end of the vent-passage, as shown in Fig. 2 of the drawings, the material of the jar being projected at the passage to form a slight protuberance 25 to insure an efficient sealing of the passage. Thus when the cover is clamped in place the vent-passage is closed and when the cover is released the vent-passage is uncovered.

In Figs. 4 and 5 of the drawings there is shown a second form of the invention, wherein the jar is of the same form as in the first instance, excepting that there is no vent formed therein, while the cover 30 thereof has a central depression 31 in its upper side or face, at the lowermost point of which is the upwardly-projecting protuberance 32, through which is formed the vertical vent-passage 33.

About the neck of the jar 34 is the collar 35 of a clamping mechanism including a lever 36, the same as in the first instance, excepting that it has no rubber-covered projection, a projection 37, however, being formed upon the under side of the bail 38 and having a rubber cover 39, which is forced into the depression and over the upper end of the vent-passage in the cover, the web of the bail resting against the cover to hold it in place. With this construction also it will be seen that when the clamping mechanism is moved to active position the vent in the cover is closed, and when the clamping mechanism is moved to release the cover the vent-opening is uncovered, so that the cover may be easily lifted from place.

It will be understood that in practice other modifications of the invention may be made and that any suitable materials and proportions may be used in the several parts without departing from the spirit of the invention.

What is claimed is—

1. The combination with a jar including a cover and having an air-passage leading from the exterior to the interior thereof, of a band disposed upon the neck of the jar, a clamping member of U shape having its ends bent upwardly and pivotally engaged with the band at opposite points thereof, a second clamping member disposed transversely of the cover and having its ends taken downwardly and pivotally engaged with the first member at the angles thereof for movement by the first member down and around the pivots of the first member to hold the members against the cover and body of the jar respectively, and a closure carried by one of the clamping members for movement therewith into and out of position over the outer end of the air-passage, whereby the closure will be lifted bodily away from the end of the passage without twisting and tearing incident thereto, when

the members are moved to their releasing positions.

2. The combination with a jar having an air-passage leading from the exterior thereof through the wall of the neck and terminating at the upper end thereof, a cover for the jar, said jar and cover being constructed and arranged for the cover to lie in spaced relation to the upper edge of the neck when in its closing position, a clamping mechanism connected with the jar and adapted to engage and hold the cover in closed position, said mechanism including an actuating-lever having a closure disposed to cover the outer end of the air-passage when the lever is moved to actuate the clamping mechanism.

3. The combination with a jar having an air-passage leading from the exterior thereof through the wall of the neck and terminating at the upper edge of the neck, said jar having an exterior flange, of a cover disposed upon the flange and spaced from the upper edge of the neck, a clamping-bail disposed over the cover, and a lever pivotally connected with the jar and to the bail, said lever having a closure disposed to lie over the outer end of the passage when the lever is in active position.

4. The combination with a jar having an air-passage leading from the exterior thereof through the neck, of a cover disposed upon the jar, a bail disposed over the cover and having its ends depending at opposite sides of the neck, a band disposed about the neck of the jar, and a U-shaped lever with which the ends of the bail are pivotally connected, said lever having upwardly-directed terminal portions pivotally connected to the band and adapted to move the lower ends of the bail below and around the pivotal connections of the lever with the band, to hold the lever against the jar, said lever having a closure arranged to cover the passage when the lever is against the jar.

In testimony whereof we affix our signatures in presence of two witnesses.

WILLIAM H. GOODFELLOW.
HENRY W. GOODINE.

Witnesses:

JOHN M. MORRISON,
JANE CRAIGIE.