No. 675,986. Patented June 11, 1901.

S. I. SUTTON.

JAR COVER.

(Application filed Sept. 26, 1900.)

(No Model.)

Fig. 1.

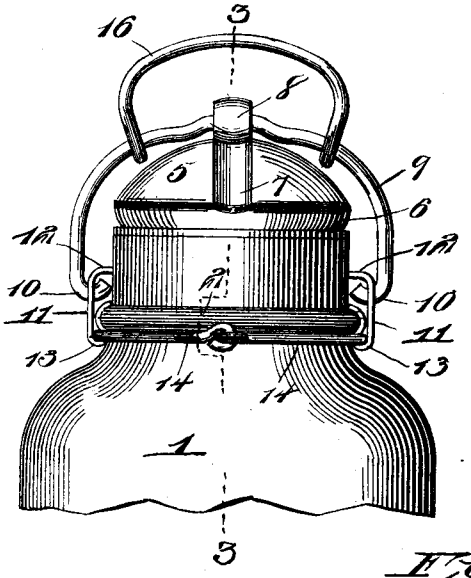


Fig. 2.

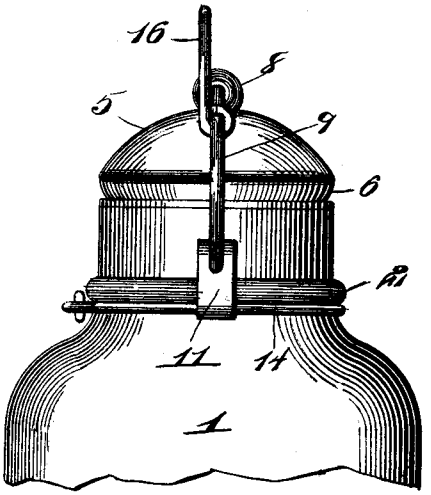
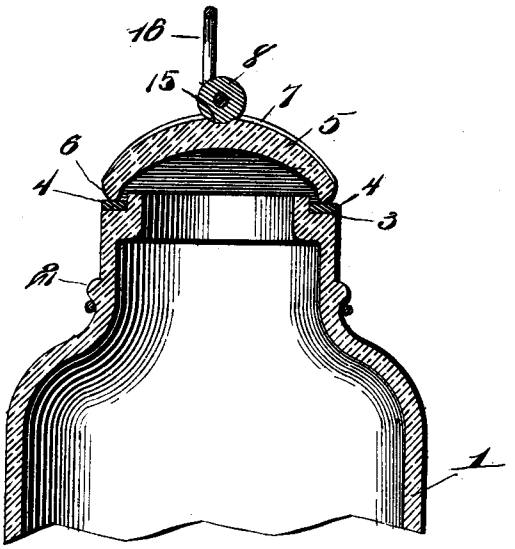


Fig. 3.



Inventor

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

SAMUEL INGRAM SUTTON, OF PULASKI CITY, VIRGINIA.

JAR-COVER.

SPECIFICATION forming part of Letters Patent No. 675,986, dated June 11, 1901.

Application filed September 26, 1900. Serial No. 31,170. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL INGRAM SUTTON, a citizen of the United States, residing at Pulaski City, in the county of Pulaski and State of Virginia, have invented new and useful Improvements in Jar-Covers, of which the following is a specification.

This invention relates to that class of jar-covers designed to hermetically seal the jar by being held under pressure thereon by attaching means which will permit the ready application of the cover to the jar and its removal therefrom; and the object of the invention is to provide a cover of this general character which will be simple and inexpensive of construction, positive in its operation at all times, and of easy manipulation.

Further, the invention has for its object to provide a bail by which the jar may be carried, which by reason of its combination with the cover-retaining bail will serve as the means for more readily operating the said cover-retaining bail.

The invention therefore consists in the novel arrangement and construction of parts, as hereinafter described with reference to the accompanying drawings and as set forth in the claims appended hereto.

In the drawings, Figure 1 is a view in side elevation of the upper portion of the jar having the invention applied. Fig. 2 is a similar view of the jar, the same being turned to show an end view of the cover-retaining means. Fig. 3 is a sectional view taken on the line $z\ z$ of Fig. 1.

Referring to the drawings, 1 designates a large-mouthed bottle or jar, having its neck provided with the usual encircling rib 2, and is further provided with an annular shoulder 3, on which is fitted a rubber gasket 4, that receives the impact of the cover 5. This cover is formed of glass or other suitable material and has a convex outer surface and an inner concave surface, both of which terminate in a downwardly-projecting under rim 6, sufficiently pointed to form a bearing-surface that will cause it to be pressed well into the rubber gasket when pressure is applied to the cover. Across the outer surface of the cover and centrally thereof is formed a groove or depression 7, designed to retain and guide the roller 8, carried by the locking or retaining bail 9. Upon diametrically opposite sides of the neck of the jar are secured means for pivotally attaching the hooked ends 10 of the locking or retaining bail and for holding them securely therein when once affixed, which means consist of a metal strip 11, having an upper right-angled bent portion 12 to bear against the neck and a lower hooked portion 13 to receive the retaining-wire 14, secured below the rib 2 and curved to exactly conform to the said rib, over which it is secured and by it held against downward movement.

The hooked ends of the bail 9 may be hooked into the attaching means 11 before the said means is affixed to the neck of the jar, as when affixed the end of the bail becomes securely locked therein against accidental displacement; but as it is desirable to make the attaching means 11 of spring metal the upper ends may be sprung into such position as will permit the hooks of the bail to enter them. The bail 9 so attached is free to swing to either side and rest on the body of the jar. The depression 7 is so formed as to furnish a bearing-surface for the roller 8, which is in a curve well within at its base the arc traveled by the roller and at the top of the cover sufficiently without the said traveled arc to cause the necessary compression of the cover on the gasket. This groove or depression 7 is slightly concave in cross-section, into the curve of which the roller 8 is made to conform, for the purpose of preventing any lateral movement of the cover, and at the highest point of the depression a further depression or notch 15 is made, which receives said roller and retains it at that point.

A bail 16 of sufficient size to make a hand-hold is pivotally attached to the bail 9 near its top and so bent as to retain its position thereon. This auxiliary bail is designed, as before stated, to facilitate the operation of the retaining-bail in applying it to the cover or moving it therefrom and may be used for the purpose of carrying the jar either when the cover is applied or removed.

Having thus described the invention, what is claimed, and desired to be secured by Letters Patent, is—

1. The combination with a jar or other vessel having an exterior retaining-rib, of a bail, an attaching-wire below said rib, and bear-

ing-plates for the ends of the bail, said plates having a right-angled upper bend adapted to cause the upper end of the plate to rest against the jar or other vessel, and at its lower end formed into a hook to receive the attaching-wire and conform about the said rib, substantially as described and for the purpose set forth.

2. The combination with a jar or bottle; of a cap or cover provided with a groove formed in an ascending curve having a notch at its highest point; and a retaining-bail pivotally mounted in bearing-plates carrying a roller adapted to rest in said notch, an auxiliary bail or handle adapted to assist in the operation of the retaining-bail, bearing-plates having a right-angular upper bend adapted to rest against the jar or other vessel and its lower end formed into a hook to receive the attaching-wire to conform to the exterior extension-rib, substantially as described.

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

SAMUEL INGRAM SUTTON.

Witnesses:
F. W. MORTON,
CHAS. E. C. PEYTON.