

(No Model.)

F. H. PALMER.
JAR CLOSURE.

No. 573,693.

Patented Dec. 22, 1896.

Fig. 1.

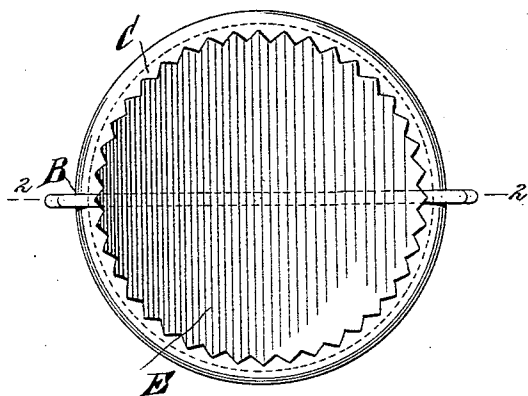


Fig. 3.

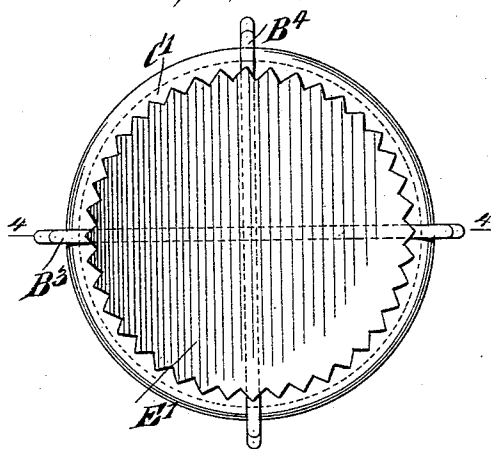


Fig. 2.

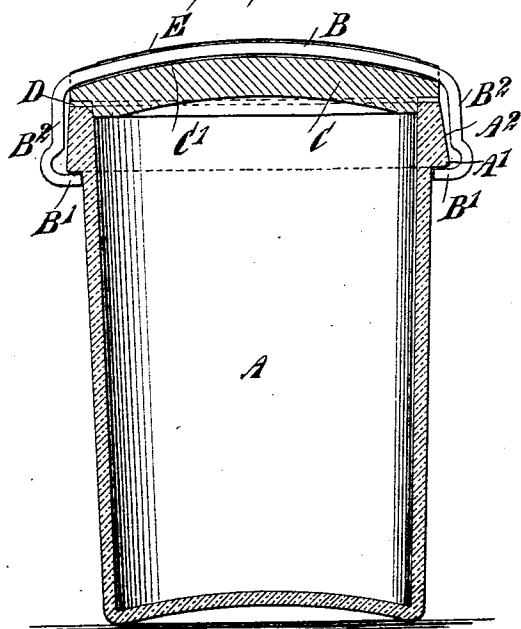
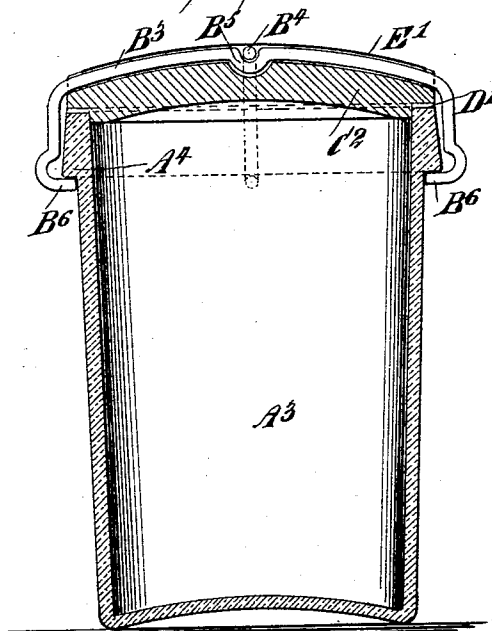


Fig. 4.



WITNESSES:

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JAR-CLOSURE.

SPECIFICATION forming part of Letters Patent No. 573,693, dated December 22, 1896.

Application filed December 14, 1895. Serial No. 572,188. (No model.)

To all whom it may concern:

Be it known that I, FRANK H. PALMER, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Jar-Closure, of which the following is a full, clear, and exact description.

The invention relates to jar-closures such as shown and described in Letters Patent of the United States No. 373,248, granted to me November 15, 1887.

The object of the present invention is to provide a new and improved jar-closure, which is simple and durable in construction and arranged to securely hold the cover in place and prevent tampering with the contents of the jar.

The invention consists in the particular construction and combination of parts, as hereinafter fully described, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of the improvement arranged with one bail. Fig. 2 is a sectional side elevation of the same on the line 2 2 of Fig. 1. Fig. 3 is a plan view of the improvement arranged with two bails, and Fig. 4 is a sectional side elevation of the same on the line 4 4 of Fig. 3.

The jar A is provided near its mouth with an external annular shoulder A', the side A² of which tapers upwardly and inwardly, as plainly indicated in Fig. 2. The shoulder A' is adapted to be engaged by lugs B', formed on the lower ends of the sides B² of the bail B, embedded in a diametrical groove C', formed in the top of the cover C, engaging the mouth of the jar A and resting on a packing-strip D, arranged on the upper edge of the jar. The top surface of the cover C is convex, so that when the bail B, which is made of spring-wire and having a normally straight body portion, is pressed downward to bring the lugs B' in engagement with the shoulder A', then the body of the bail conforms to the curvature of the cover, so as to be completely embedded in the groove C'. When the cover C is thus locked by the bail B to the jar A, then a seal E, of paper or like material, is gummed or otherwise fastened to the top surface of the cover C, so as to extend over the bail B. Now when the bail B is unlocked

by the purchaser prying the sides B² outward, so as to disengage the lugs B' from the shoulder A', then the bail B assumes its normal straight position, and in doing so tears the seal E. Thus should an unauthorized person open the jar A for the purpose of removing the contents thereof and refilling the jar with inferior goods, then the seal is broken in the manner above described, and consequently the fraud is at once detected.

I do not limit myself to the use of one bail, as two or more such bails may be employed; for instance, as shown in Figs. 3 and 4, in which two bails B³ and B⁴ are placed in diametrical grooves formed in the cover C² and standing at right angles to one another. In this case one of the bails B³ is formed at its middle with a downwardly-extending bend B⁵ for the passage of the other bail B⁴, so that both bails are embedded in the grooves in the cover and do not project above the top surface thereof when closed, but engage with their lugs B⁶ the annular shoulder A⁴ of the jar A³. When the bails are in place and the cover is closed and locked to the jar, then the seal E' is put on so as to extend over both bails, so that when either one is opened the seal is broken.

The conical side A² of the shoulder A' permits of conveniently guiding the lugs B' downward over the lower end of the shoulder to snap under the same when pressing the ends of the bail downward. By this arrangement the sides B² of the bail are gradually opened outwardly and a proper closing and locking of the bail and cover are insured.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

The combination with a jar having an annular shoulder, and a cover having a convex surface and provided with grooves extending across it at right angles to each other, of two spring-bails having inwardly-bent ends for engaging the shoulder of the jar, one bail being provided at its middle with a downwardly-extending bend to receive the other bail, the body portions of the bails being curved when lying in the grooves and their upper surfaces flush with the upper surface of the cover, and a seal secured to the cover over the bails, substantially as herein shown and described.

FRANK H. PALMER.

Witnesses:

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