

J. E. BARRANGER.
JAR CLOSURE.
APPLICATION FILED JUNE 13, 1912.

1,046,942.

Patented Dec. 10, 1912.

Fig. 1.

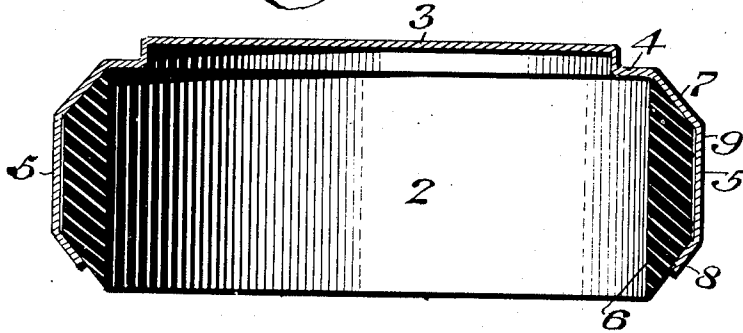


Fig. 2.

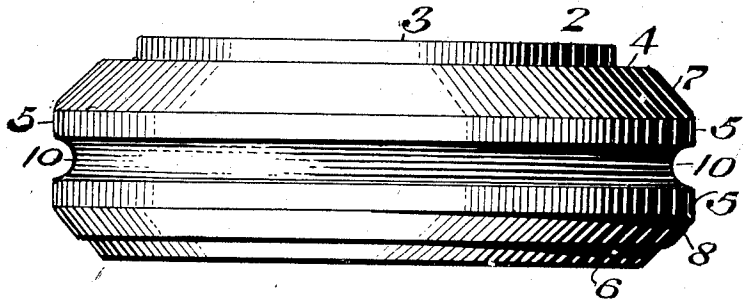
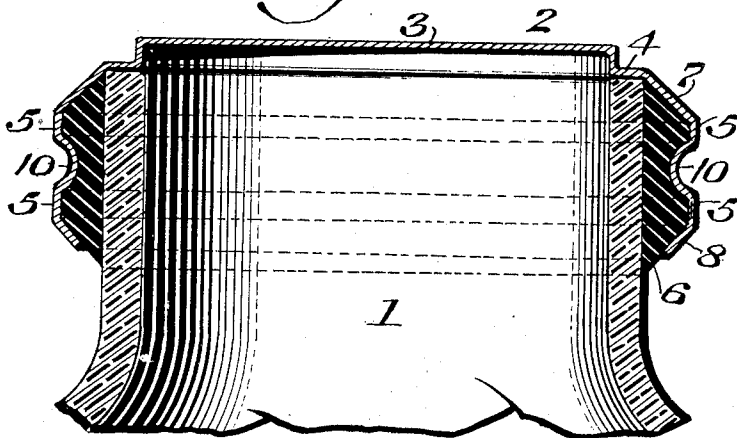


Fig. 3.



WITNESSES

O. F. Nagle.
L. Rouville.

INVENTOR

BY

Joseph E. Barranger
Widesshimer Fairbanks
ATTORNEYS

UNITED STATES PATENT OFFICE.

JOSEPH E. BARRANGER, OF PHILADELPHIA, PENNSYLVANIA.

JAR-CLOSURE.

1,046,942.

Specification of Letters Patent.

Patented Dec. 10, 1912.

Application filed June 13, 1912. Serial No. 703,452.

To all whom it may concern:

Be it known that I, JOSEPH E. BARRANGER, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Jar-Closure, of which the following is a specification.

My invention consists of a jar closure composed of a cap, a gasket within the same, and an inturned member on said cap, the same serving to compress said gasket in such manner that it embraces the jar as to hermetically close the jar and prevent disengagement of the cap with the packing unless properly operated by superior force.

The invention is satisfactorily illustrated in the accompanying drawing, but the important instrumentalities thereof may be varied, and so it is to be understood that the invention is not limited to the specific arrangement and organization shown and described.

Figure 1 represents a central vertical section of a jar closure embodying my invention in normal condition. Fig. 2 represents a side elevation of the closure in complete condition. Fig. 3 represents a central vertical section of the closure shown in Fig. 2.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings:—1 designates the neck of a jar formed of glass or other suitable material.

2 designates a metallic cap which is composed of the top 3, the shoulder 4 circumferentially around the same and the rim 5 which depends from said shoulder, said rim being deflected laterally forming a rhomboidal chamber in which is fitted the gasket 6 which is of the form of a ring rhomboidal in vertical section, so as to accord with the chamber of the rim 5, it being noticed that the upper portion 7 of said rim is outturned in sloping direction, the lower portion 8 thereof is inturned in sloping direction so as to embrace the upper and lower sloping portions of the gasket thus retaining the latter within the chamber of the rim and preventing dropping of the same.

The central portion 9 of the rim or portion intermediate of the portions 8, 7, is

bent inwardly forming the inturned bead 10. This forces in the contiguous wall of the gasket forming a circumferential groove therein, thus compressing the body of the gasket inwardly, its height and thickness being reduced so that while the gasket primarily loosely encircles the neck of the jar, it is now so contracted and compressed in both horizontal and vertical directions resisted by the sloping top and bottom portions of the rim producing wedging actions on the gasket so that the latter is more firmly pressed against the neck of the jar so that it tightly hugs the same, forming a hermetical joint for the jar which reliably and safely seals the same, while the cap under ordinary circumstances retains its position on the neck of the jar without liability of slipping off of the same.

The shoulder 4 rests on the edge of the neck of the jar limiting the descent of the cap in its application to the jar and assisting in seating the cap true in position.

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

1. In a jar closure, a cap having a depending side rim and a gasket within the same, said rim having portions at the top and bottom thereof adapted to embrace wedgingly the contiguous upper and lower corresponding portions of said gasket, and an inturned portion intermediate of said top and bottom members adapted to compress inwardly said gasket between said upper and lower portions thereof.

2. A jar closure consisting of a cap having a side rim with an outturned slope on the top thereof, and an inturned slope on the bottom thereof, a gasket within said rim, said rim having an inwardly projecting bead adapted to compress said gasket inwardly against the contiguous portion of the jar, said slopes of the rim being adapted to embrace the respective upper and lower sloping portions of said gasket.

3. A jar closure consisting of a cap having a side rim with outturned and inturned portions respectively thereon, a gasket within said rim adapted to be encircled by the same and wedgingly engaged by said

sloping portions, and an intumed member on said rim adapted to enter the outer periphery of said gasket thus compressing the latter in both horizontal and vertical directions while being grasped at the top, bottom and sides by said rim and correspondingly forcing the inner wall of the body of the gasket against the contiguous portion of the jar.

JOSEPH E. BARRANGER.

Witnesses:

JOHN A. WIEDERSHEIM,
N. BUSSINGER.