No. 886,342. PATENTED MAY 5, 1908.

F. W. BEDFORD.

JAR CLOSURE.

APPLICATION FILED APR. 1, 1907.

Fig. 1.

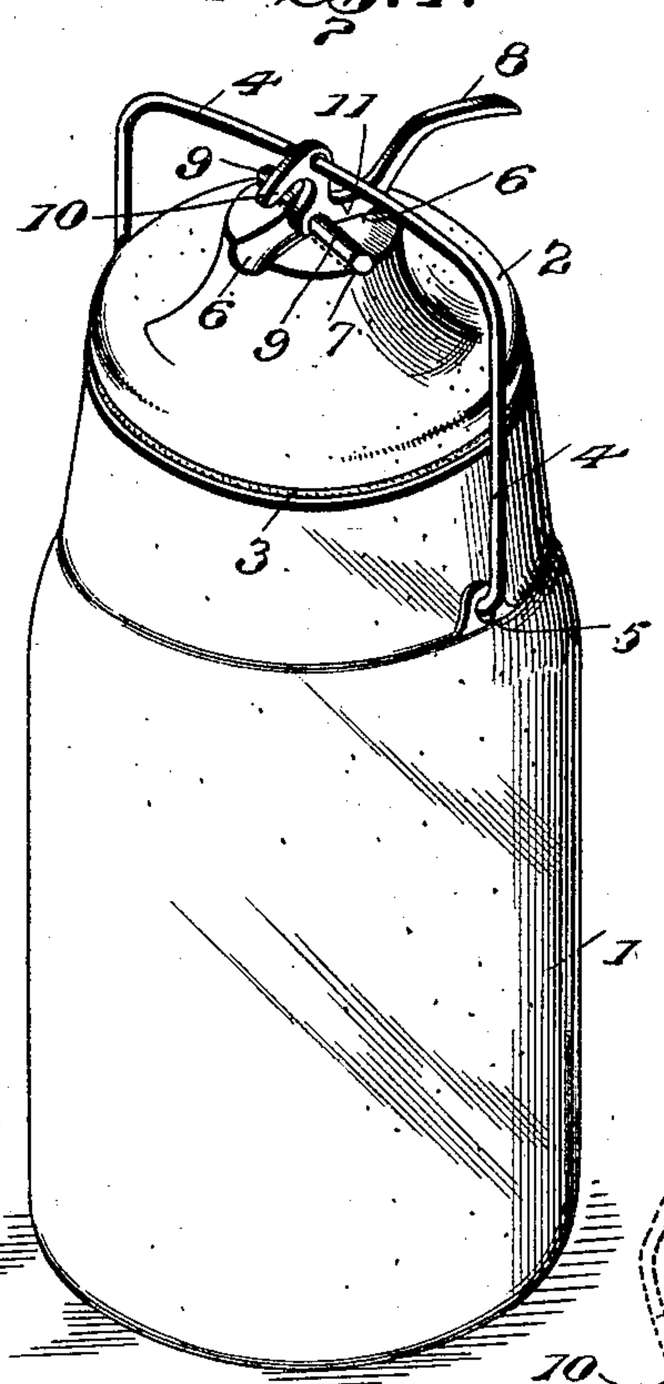


Fig. 2.

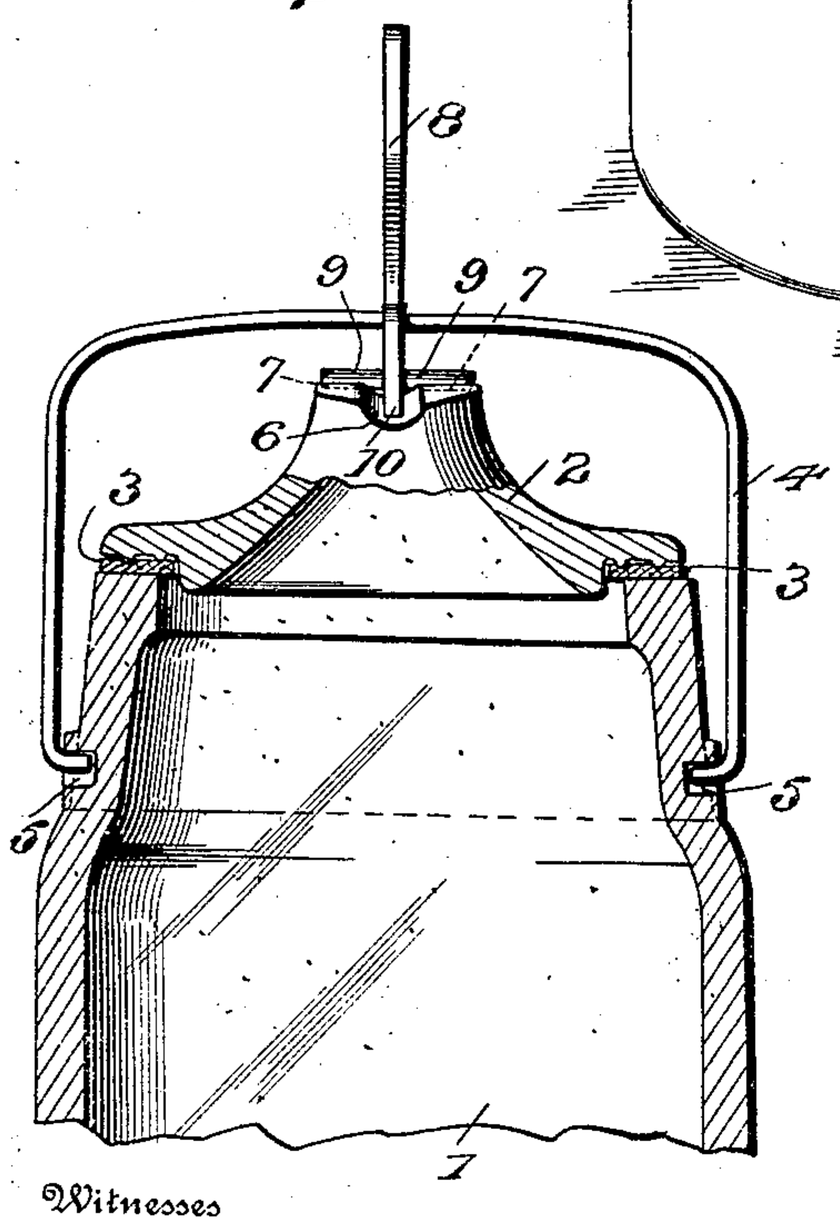
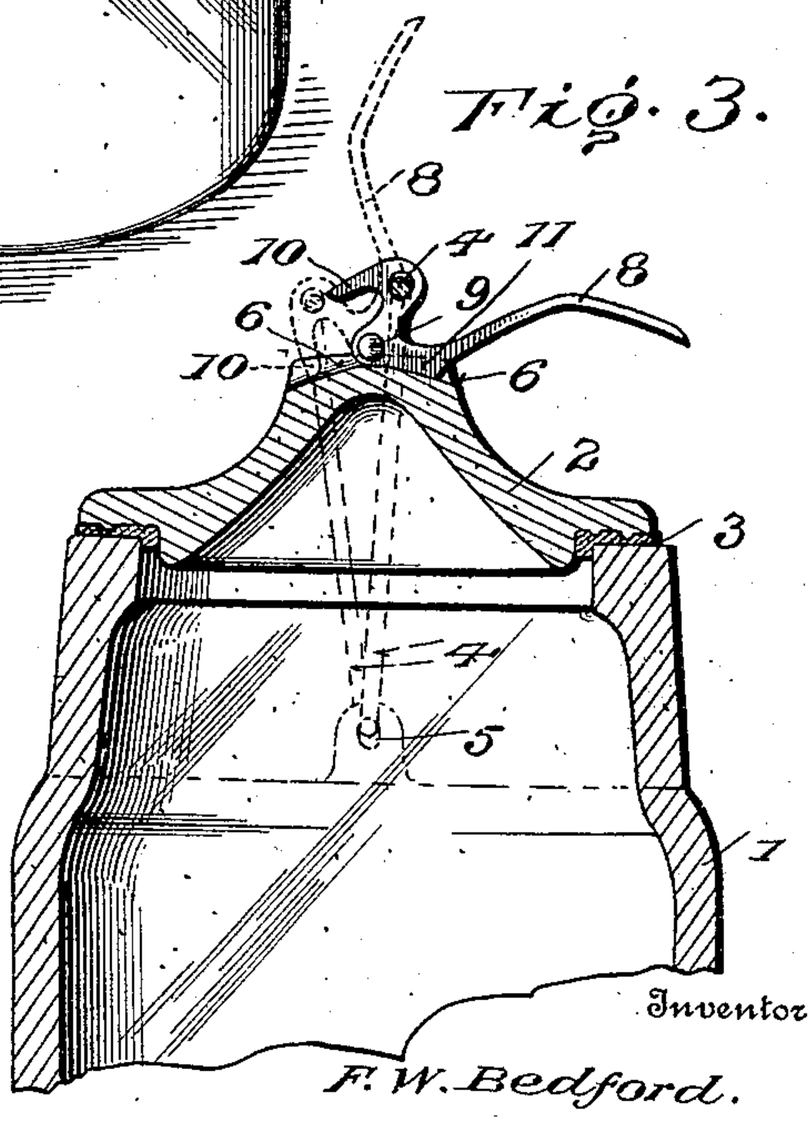


Fig. 3.



Witnesses

W. A. Williams.

Jas. B. Richmond.

Inventor

F. W. Bedford.

By Jay D. Miller

Attorney

UNITED STATES PATENT OFFICE.

FREDERICK W. BEDFORD, OF OAK PARK, ILLINOIS.

JAR-CLOSURE.

No. 886,342. Specification of Letters Patent. Patented May 5, 1908.

Application filed April 1, 1907. Serial No. 365,711.

To all whom it may concern:

Be it known that I, FREDERICK W. BEDFORD, a citizen of the United States, residing at Oak Park, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Jar-Closures, of which the following is a specification.

This invention relates to jar closures and more particularly to devices for clamping the lids or covers to place.

The object of the invention is to promote a high degree of vacuum by permitting the free egress of air or vapor. This is accomplished by providing a clamping lever having a two-point bearing, whereof one bearing develops a light pressure seal, which securely holds the lid or cover in position, but permits the free egress of air, and whereof the other bearing develops a heavy or maximum pressure which insures the hermetic sealing of the jar.

The nature, characteristic features and scope of the invention will be more clearly understood from the following description taken in connection with the accompanying drawing, forming a part hereof, wherein—

Figure 1, is a perspective view of a jar with the improved closure applied, the lever being shown in the maximum or heavy pressure position. Fig. 2, is a sectional elevational view, with the lever set at the light pressure position; and Fig. 3, is a similar view with the lever in its maximum pressure position.

Referring to the drawings 1, represents a jar of any suitable shape, 2, its lid or cover, 3, the complemental gasket, and 4, the usual swinging or pivotal spring bail the ends of which take into the recesses 5. The lid or cover may be formed with a recess or way 6, to accommodate the clamping lever 8. The latter is served with trunnions 9, that may be accommodated in the concavities or bearing surfaces 7. The bell-crank lever 8, is swung upon the bail 4, in the usual manner, but it differs from the known types of levers in that it is provided with an arm or projection 10, which in length is slightly in excess of the distance between the bail and the top of the lid, so that when the parts are shifted to the position indicated in Fig. 2, with the shank of the lever substantially perpendicular to the cover and the nose or point of the projection 10, resting upon the cover, the lever will exert a light pressure, that is to say it will clamp the cover sufficiently to hold it in position but not to interfere with the free egress of air during processing. During this operation the trunnions 9, act as a check to any forward motion and it will be noticed that in the application of either pressure the spring or bail is brought past the dead center, thus keeping it from returning. When the heavy or maximum pressure is to be applied to complete the sealing of the jar, the lever is swung on its trunnions to substantially a horizontal position or until its part 11, bears against the lid.

Having described the nature and objects of the invention, what I claim as new and desire to secure by Letters Patent is:

1. The combination with a jar and its pivotal spring bail, of a cover having trunnion bearings and a way or recess, a gasket, and a clamp lever mounted on the bail and having trunnions adapted to said bearings, said lever having a forwardly projecting nose or projection which takes into said way and exerts a light pressure on the cover, when the handle of the lever is brought to a substantially perpendicular position, and the handle of the lever having a part adapted to take into said way and exert a heavy pressure when the handle assumes a substantially horizontal position, substantially as specified.

2. The combination with a jar, of a cover having trunnion bearings, a gasket, a spring bail pivoted to the jar, and a clamp lever swung on the bail and having trunnions adapted to said bearings, said lever having arms whereof one is adapted to exert a light pressure when the handle is in a substantially perpendicular position, and whereof the other exerts a heavy pressure when the handle is in a substantially horizontal position, and whereof in either application the bail is held past its dead center, substantially as specified.

3. The combination with a jar, and its pivotal spring bail, of a lid or cover having trunnion bearings, a clamp lever mounted on the bail and having trunnions adapted to said bearings, the forward part of said lever having an arm or projection which when the

handle of the lever is brought to a substantially perpendicular position bears with a light pressure against the cover, and the handle of the lever having a part adapted to exert a heavy pressure when in substantially a horizontal position, substantially as specified.

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

FREDERICK W. BEDFORD.

Witnesses:
FRANK G. NEWLAND,
JAY D. MILLER.