J. F. GRIFFEN.

Fruit Jar.

No. 36,612. Patented Oct. 7, 1862.

Fig. 1.

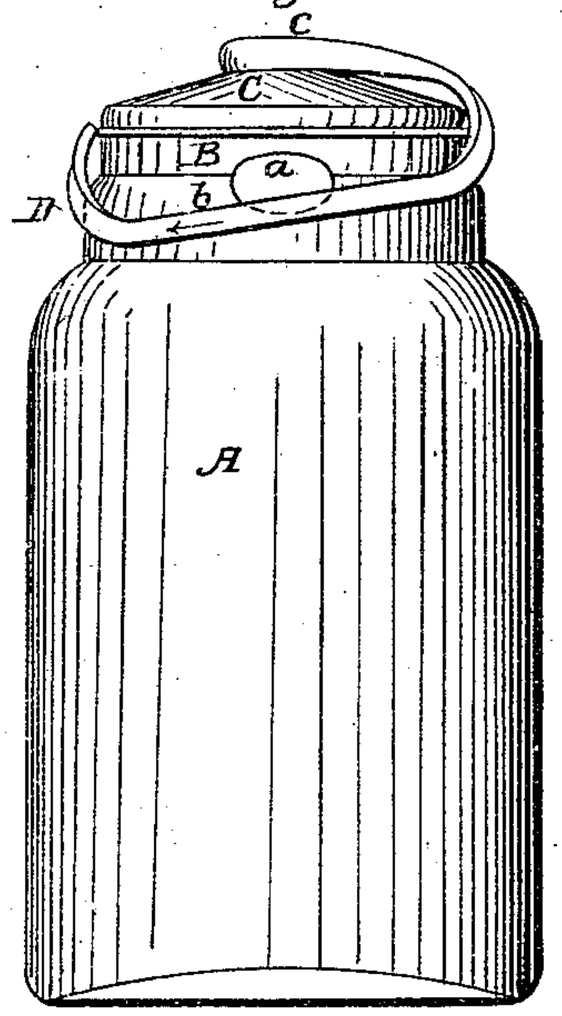


Fig. 2.

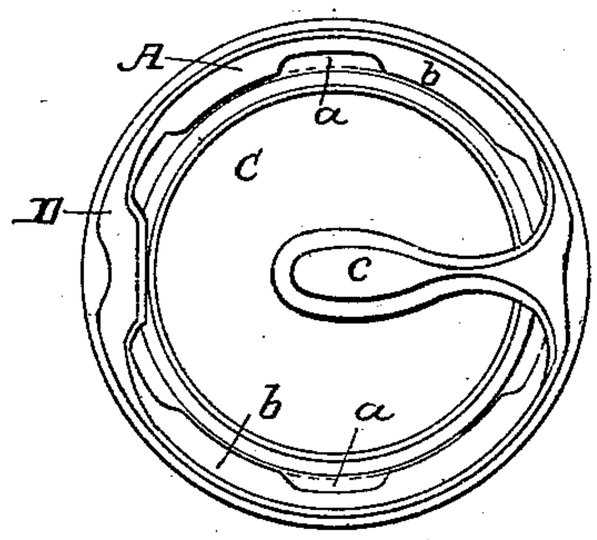
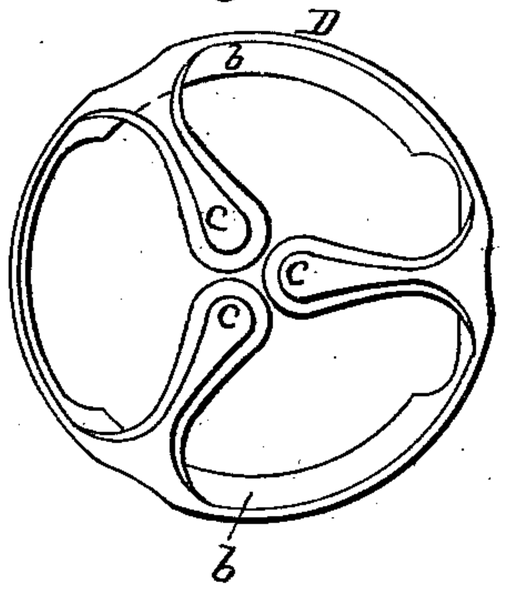


Fig. 3.



Witnesses:
James Laud
R Gawley.

Inventor:
Jno F. Griffen

UNITED STATES PATENT OFFICE.

JOHN F. GRIFFEN, OF NEW YORK, N. Y.

IMPROVEMENT IN FRUIT-JARS.

Specification forming part of Letters Patent No. **36,612**, dated October 7, 1862.

To all whom it may concern:

Be it known that I, JOHN F. GRIFFEN, of the city, county, and State of New York, have invented a new and Improved Jar-Top; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a side elevation of my invention applied to a jar. Fig. 2 is a plan or top view of the same. Fig. 3 is a modification of the same.

Similar letters of reference indicate corresponding parts in the several figures.

This invention, which is intended as an improvement on a fruit-jar for which Letters Patent have been granted to W. D. Ludlow, August 6, 1861, consists in a jar-top composed of one or more spring-arms extending from a ring provided with inclined planes to or beyond the center, in combination with lugs projecting from the neck of the jar in such a manner that on applying the inclined planes of the ring to the said lugs and turning it in the proper direction, the spring arm or arms bear down upon the cover of the jar with a yielding pressure, and a tight joint is produced without the danger of breaking or injuring the jar or cover.

To enable those skilled in the art to make and use my invention, I will proceed to describe it with reference to the drawings.

A represents a jar, made of glass or any other suitable material, and provided with a neck, B, and top or cover C. From the sides of the neck two or more lugs, *a*, project, and a ring, D, made of metal or other rigid material, and provided with inclined planes *b* and one or more arms, *c*, serves to fasten the cover down upon the edge of the neck. The arm or arms *c* are so arranged that they contain a certain degree of elasticity, and if the ring is applied to the neck so that the inclined planes *b* catch under the lugs *d*, and it is now turned in the direction of the arrow marked upon it in Fig. 1, the arm or arms *c* bear down upon the cover with a yielding pressure, and a tight joint is produced without the danger of cracking the cover or splitting the lugs and the neck of the jar. If only one arm, *c*, is used, as shown in Figs. 1 and 2, said arm is made to extend beyond the center of the cover, and the cover is so formed that the arm *c* bears down as near as possible on its center; but if two or more arms, *c*, are used, as shown in Fig. 3, said arms extend as close to the center as possible, and they bear on points equally distant from the center, so that the cover is held down with equal pressure all round. If the arms *c* are perfectly rigid and the ring is turned on hard, the jar or the cover is liable to sustain an injury, and it has therefore been found necessary to apply to said arms an elastic bearer—such, for instance, as described in Letters Patent granted to Ludlow, August 6, 1861—intended to obviate the breaking of the jar. These bearers, however, are liable to become detached from the arms or cross-bar, and thus to prove a constant source of trouble and annoyance, and, if they do not come off, they do not entirely obviate the breaking of the jar, because, if the ring be turned on very hard, they do not prevent the rigid material of the cross-bar bearing down upon the cover. With my spring arm or arms the cover is allowed to adjust itself perfectly free to the neck of the jar, and the inherent elasticity of said arm or arms prevents any injury to the jar or cover, however hard the ring may be turned on.

It is very easy to arrange the arm or arms so that they will give way before the jar or cover in case an undue power should be applied to the ring.

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

A jar-top that is composed of one or more arms, *c*, extending to or beyond the center of the cover C, and of a ring, D, with inclined planes *b*, the whole combined as shown and described.

JNO F. GRIFFEN.

Witnesses:

JAMES LAIRD,

RICHARDSON GAWLEY,