

T. B. CARROLL.
Fruit-Jars.

No. 139,115.

Patented May 20, 1873.

Fig. 1.

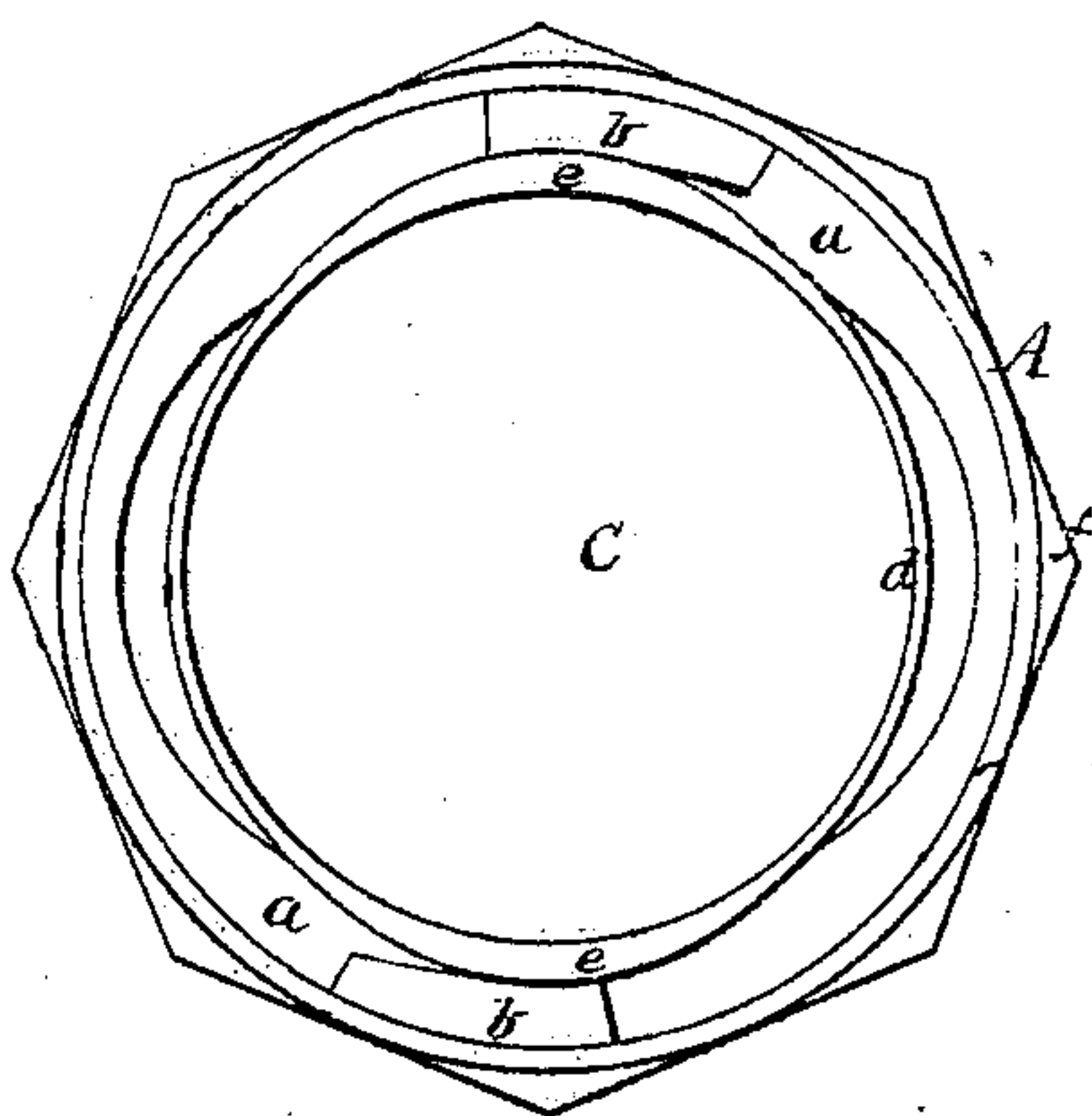


Fig. 2.

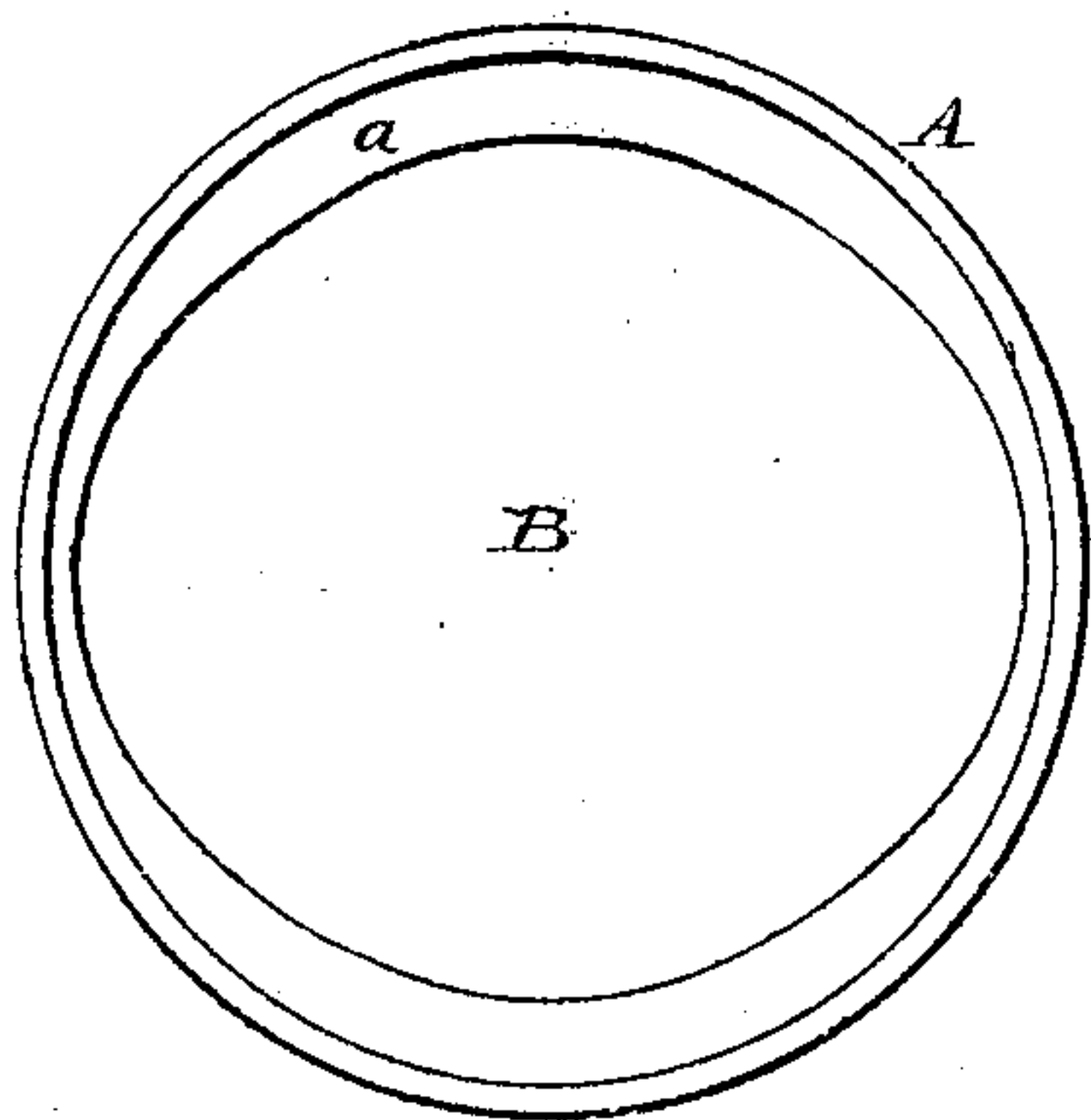


Fig. 3.

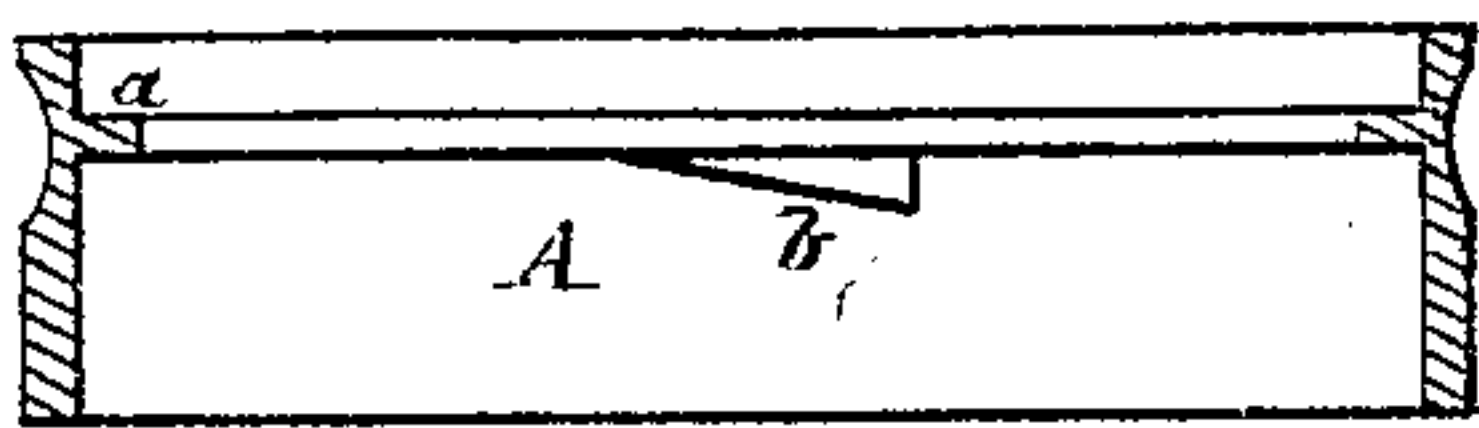


Fig. 4.

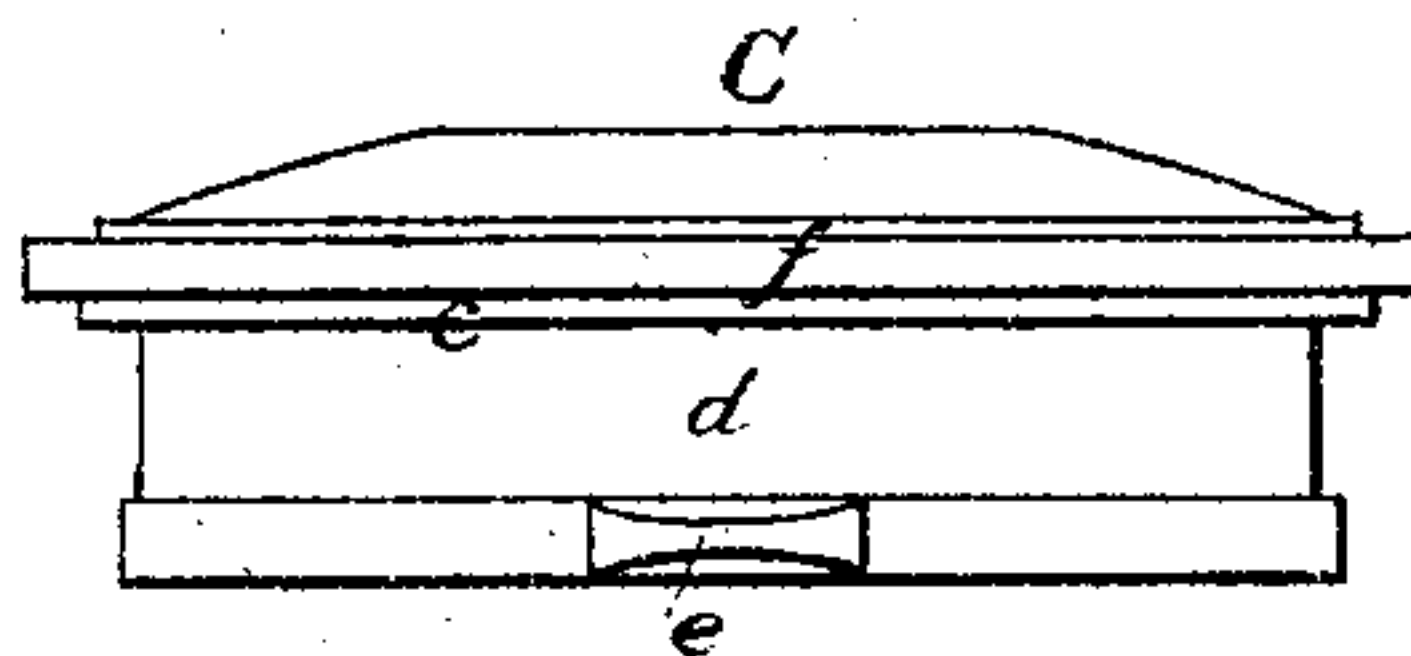
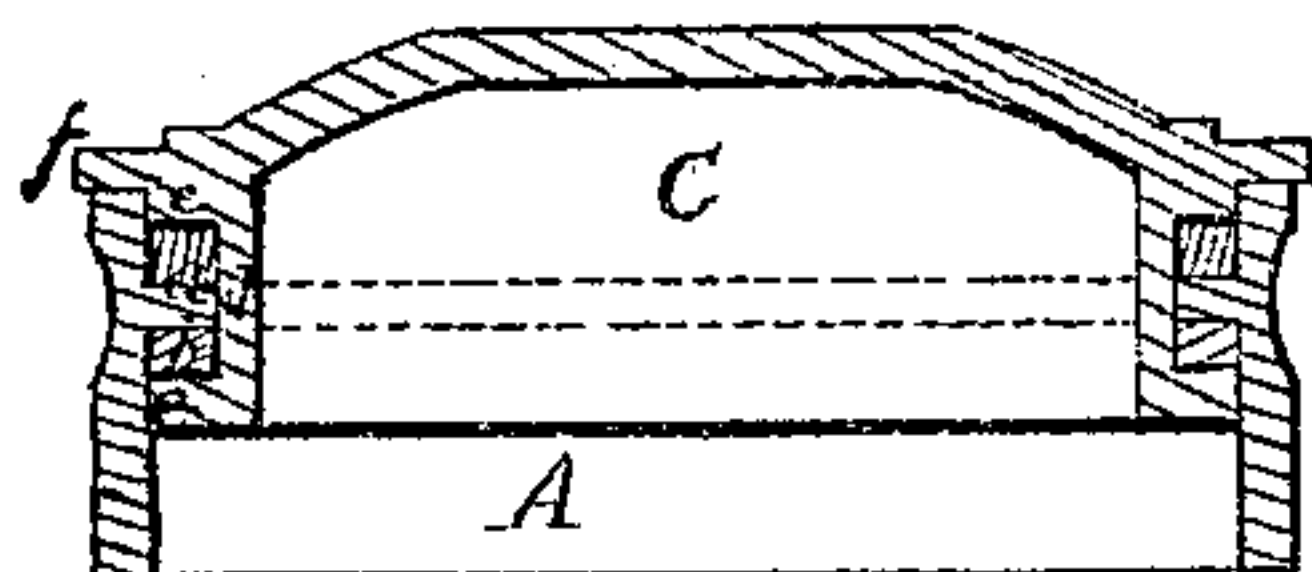


Fig. 5.



Witnesses.
Chas. B. Steele
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UNITED STATES PATENT OFFICE.

THOMAS B. CARROLL, OF INDIANAPOLIS, INDIANA.

IMPROVEMENT IN FRUIT-JARS.

Specification forming part of Letters Patent No. **139,115**, dated May 20, 1873; application filed April 26, 1873.

To all whom it may concern:

Be it known that I, THOMAS B. CARROLL, of Indianapolis, in the county of Marion and State of Indiana, have invented a new and valuable Improvement in Fruit-Jar Cover; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a bottom view of the cap and flange-jar. Fig. 2 is a plan view, showing the elliptical flange within the throat of the jar. Fig. 3 is a central section view of the same. Fig. 4 is a side view of the cap. Fig. 5 is a sectional view of cap and flange.

This invention has relation to means for stopping fruit-cans, jars, or bottles; and it consists in the construction and novel arrangement of the elliptical flange within the throat of the jar, the wedge-shaped studs on the under side thereof, at the widest portions of the flange, and the cap provided with an external flange to press the rubber packing, and below this the curved cams or beveled ledges, adapted when turned in one direction to pass freely through the opening of the elliptical throat-flange of the jar, and when turned in the direction at right angles therewith to be locked under said flange against its beveled studs.

The object of this invention is to provide convenient and secure inside fastenings for glass fruit-jars having glass covers.

In the accompanying drawing, the letter A indicates the throat of the jar, on the inside of which is formed the internal flange *a*, hav-

ing an elliptical or elongated opening, B. On this flange the rubber packing is designed to rest. Underneath the widest portions of this flange are formed or secured the wedges *b*. Sometimes this throat-flange, with its wedges, may be formed separately of glass or metal, and cemented to the jar. C designates the cover or top, having the flange *c*, neck *d*, rim *f*, and the curved, beveled, and tapering ledges *e*, extending outward in the form of lips from opposite sides of the lower edge of the neck. The flange *c* is designed to enter the mouth of the jar to compress the rubber packing against the throat-flange. The rim *f* may be made polygonal for convenience in turning the top. The neck *d*, when its lips *e* are turned to coincide with the length of the elliptical opening B, passes freely through this opening, and the cover is locked by turning it until the lips *e* are engaged with the wedges *b* under the widest portions of the throat-flange.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination, with the elliptical throat-flange *a*, having the wedges *b* on the widest portions of its under side, of the cap C, having the flange *c*, rim *f*, neck *d*, and beveled lips *e*, extending outward from the opposite sides of the lower edge of said neck, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

THOMAS B. CARROLL.

Attest:

JAMES COLLIER,
JACOB J. MEYERS.