

No. 624,509.

Patented May 9, 1899.

F. LESSING, JR.  
FRUIT JAR.

(Application filed May 13, 1898.)

(No Model.)

Fig. 1.

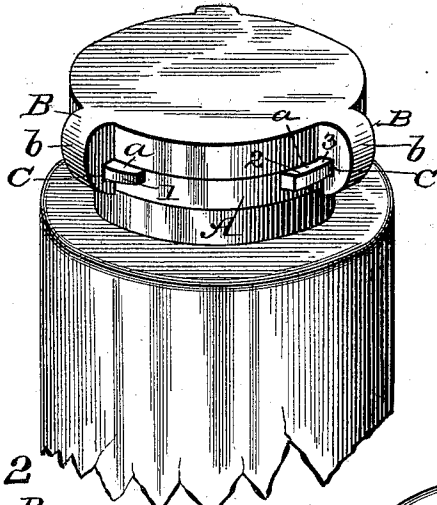


Fig. 2.

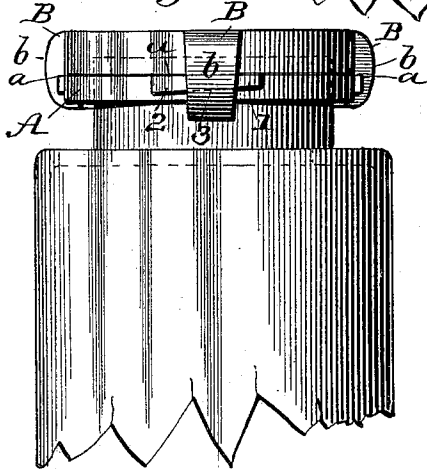


Fig. 3.

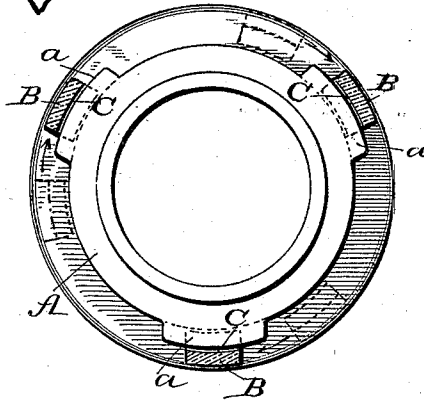
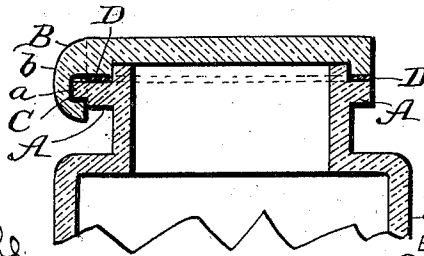


Fig. 4.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

FRANK LESSING, JR., OF SCRANTON, PENNSYLVANIA.

## FRUIT-JAR.

SPECIFICATION forming part of Letters Patent No. 624,509, dated May 9, 1899.

Application filed May 13, 1898. Serial No. 680,614. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK LESSING, Jr., of Scranton, in the county of Lackawanna and State of Pennsylvania, have invented certain new and useful Improvements in Fruit-Jars, of which the following is a specification.

My invention relates to an improvement in covers for fruit-jars, and is designed to provide a tight closure of this character for vessels used for preserving fruits and the like.

The main purpose of my invention is to provide an absolutely air-tight cover for fruit-jars and similar vessels which will be simple and cheap in construction and at the same time serve all the purposes for which it is intended.

To this end my invention consists in the peculiar construction and novel arrangement of the several parts, all of which will be fully described in the specification and particularly pointed out in the claim, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of a fruit-jar constructed according to my invention. Fig. 2 is a side view. Fig. 3 is a cross-sectional view. Fig. 4 is a vertical section.

The jar proper is constructed in the usual manner and has formed on its neck, a short distance below the top, an annular rim or flange, (indicated by the letter A.) This rim or flange is about one-fourth of an inch in width, except at regular intervals around the circumference, where the width is somewhat increased, as at *a*, the purpose of which will now appear. These extended portions of the annular rim or flange are nothing more than projections or lugs and are of diverging thickness, increasing in width from 1 to 2, the latter number indicating the widest portion. They may also be described as short screw-threads, for the reason that they are engaged by clamping-lugs on the jar-cover, which will now be described.

The cover proper is of the usual construction and may be of porcelain or glass. At equal points apart from each other on the circumference of the cover I provide three locking-lugs or clamping-sections B, the outer surfaces of which are rounded off smoothly at *b*,

and on the inside of each of these lugs is formed a small groove or channel C. The vertical width of this cut-out or channel portion is equal to the thickness of the extended portions of the annular rim or flange A at about the point 3, or about one-half way from the ends 1 and 2.

The upper edge of the neck forms a flange which extends vertically above the rim A and at right angles thereto, and this flange extends up into the cover, as shown, so as to assist in forming a tight joint. The cover rests solidly upon the top of the neck, bears against its sides all the way around, and the lower edge of the cover rests solidly upon the washer on the rim A, making three bearing-surfaces, each of which helps toward forming a tight joint.

When the cover is to be placed on the jar, it is rested upon the jar-top, the lugs B fitting loosely around the annular rim or flange A at its narrowest portion or in between the extended or increased parts *a*. After being placed in this position the cover is turned toward the right or screwed down, the channels or grooves C of the clamping-sections B embracing and engaging the projecting or screw-thread portions *a* of the annular rim. The cover is turned toward the right as far as possible, the limit of its movement in this direction being that point on the screw-thread portion *a* of the annular rim which equals in thickness the width of the grooves or channels C of the lugs or clamping-sections B on the cover. From this it is plainly seen that the cover is tightly clamped to the jar, forming an air-tight and secure closure, it being manifest that the usual rubber packing-ring D may be employed to make the contents of the jar more secure from contact with the air.

The construction of the jar and cover is such that it can be readily manufactured at no increased cost over the several forms of preserving-jars now in use, and the simplicity of the device avoids any complication or confusion in the use of jars provided and constructed according to my invention.

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

The jar provided with a neck and having the annular rim A extending around it at a suitable distance below the top edge of the neck, and the lugs *a* formed upon the outer  
5 edge of the rim, combined with the cover provided with the locking-lugs B, to engage with the lugs *a*; the said cover having bearings

upon the top and outer side of the neck and upon the top of the rim, substantially as shown and described.

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Witnesses:

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