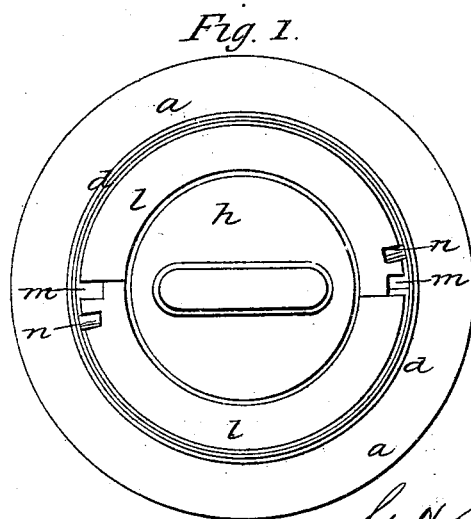
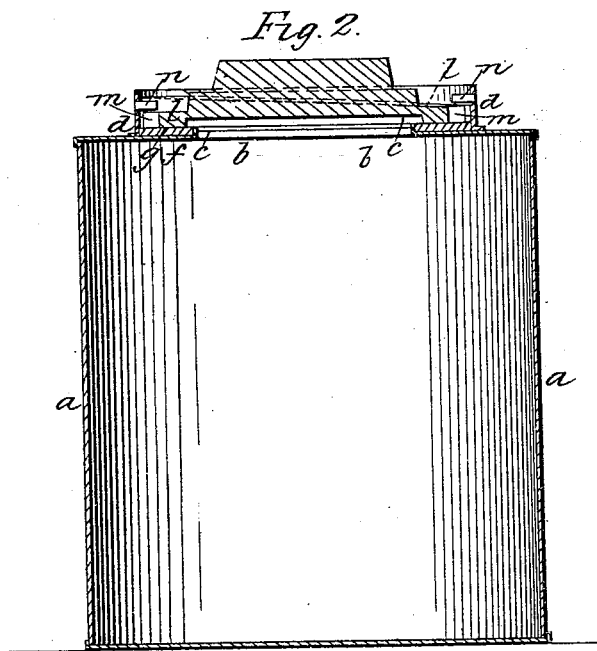


G. H. RUSSELL.

Fruit Jar.

No. 53,685.

Patented April 3, 1866.



Witnesses:  
*John L. Russell*  
*John L. Russell*

Inventor:  
*G. H. Russell*  
By *Memor Co*  
*alter*

# UNITED STATES PATENT OFFICE.

GEORGE H. RUSSELL, OF DICKINSON, PENNSYLVANIA.

## IMPROVED FRUIT-JAR.

Specification forming part of Letters Patent No. 53,685, dated April 3, 1866.

*To all whom it may concern:*

Be it known that I, GEORGE H. RUSSELL, of Dickinson, in the county of Cumberland and State of Pennsylvania, have invented a new and Improved Fruit Jar, Can, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to the mode of securing a cover to and upon jars, cans, bottles, and other similar articles used for holding preserved fruits, &c.; and it consists, principally, in forming the upper or outer face of the jar-cover with one or more inclined ways or surfaces, in connection with one or more fixed lugs or studs at and about the mouth of the jar, so that when the cover is properly placed upon the jar and turned in the right direction it shall be brought and held down with great pressure and tightness thereon, the cover as it turns wedging itself by its inclined ways in and between the fixed studs and the top or mouth of the jar.

It also consists in saturating or coating the packing used for the joint of the cover with the mouth of the can or jar with a composition of rosin and tallow, eight parts of the former to two of the latter, more or less, so as to completely seal the jar when so desired, as will be presently described.

In accompanying plate of drawings my improvements are illustrated, Figure 1 being a plan or top view, and Fig. 2 a central vertical section.

*a a* in the drawings represent a fruit-can, which may be made of sheet-tin, glass, earthenware, or any of the materials ordinarily used therefor; *b*, its mouth, having a raised lip, *c*, entirely around it, between which and the concentric rim *d*, secured to the top plate, *f*, of the can in any proper manner, is placed a rubber, gutta-percha, or any other suitable washer or packing-ring, *g*, saturated or coated with the adhesive composition of rosin and tallow, hereinbefore mentioned; *h*, the cover, which may be made of metal or any other suitable material, and sufficiently large to fit within the

rim *d*, before referred to, it resting by its lower surface upon the top of the packing-ring *g* at the mouth of the can and entirely closing the mouth. The bottom of this cover in contact with the washer *g* may be coated, if so desired, with the same composition to that used in packing.

The upper surface of the cover *h* has two similar inclined ways, or planes, *l l*, each extending half-way around the same, or nearly so, in which at the lowest points of each are notches, *m m*. Through the entire thickness of the cover *n n* are studs or lugs fixed in and projecting from the inner periphery of the rim *d* a little above the top plate of the can, and at points corresponding to the position of the notches in the cover.

To place the cover upon the jar, first bring its notches in the same direction with the can-lugs *n n*. When setting it down upon the washer-ring turn it in the proper direction to cause its inclined ways to move under the lugs until the cover thus becomes so wedged in and between the mouth of the jar and its lugs that it can be turned no farther, when, as is obvious, a close joint will be formed between it and the mouth of the jar, the resinous composition upon the packing and cover, if the can or cover is heated in the least degree, melting, and as it becomes cool necessarily sealing the joint to the entrance of air.

To remove the cover simply turn it in the opposite direction till the notches come under the lugs, when it can be freely raised from the can, as is apparent without further explanation.

After having placed the cemented rings or cemented top in the guttered mouth of the can or jar, the screw-motion given the top tightens it upon the inside rim of the mouth of the jar, which prevents any of the cement from coming in contact with the fruit, while the overplus of cement finds its way out at the notches in the cover after having filled up all the cavities occasioned by warpage in burning, thereby making the stone jar completely air-tight.

I claim as new and desire to secure by Letters Patent—

1. Forming one or more inclined ways or

planes with notches at their lowest points upon the cover of a fruit jar, can, or other similar article, in combination with one or more fixed studs at the mouth of the jar, substantially as described, and for the purpose specified.

2. Hermetically sealing fruit jars, cans, or

other similar articles with a composition of rosin and tallow, substantially as hereinabove described.

GEO. H. RUSSELL.

Witnesses:

A. DE HUFF,  
E. COMMAN.