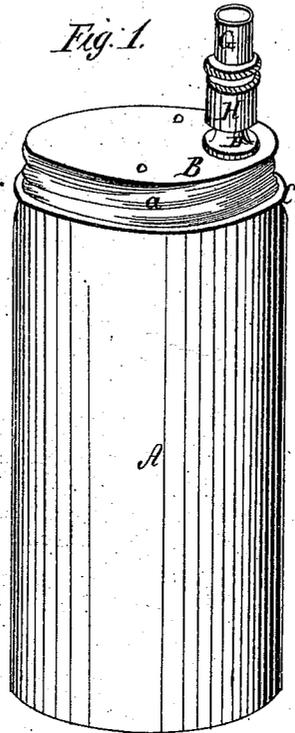


J. B. LYON.  
FRUIT JAR.

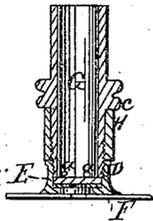
No. 80,554.

Patented Aug. 4, 1868.

*Fig. 1.*



*Fig. 2.*



Witnesses; E. E. Waite

J. H. Burdige  
E. E. Waite

*Fig. 3.*



Inventor;

J. B. Lyon

# United States Patent Office.

J. B. LYON, OF EAST CLEVELAND, OHIO.

Letters Patent No. 80,554, dated August 4, 1868.

## IMPROVED FRUIT-JAR.

The Schedule referred to, in these Letters Patent and making part of the same.

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, J. B. LYON, of East Cleveland, in the county of Cuyahoga, and in the State of Ohio, have invented certain new and useful Improvements in the Mode of Preserving Fruit; and I do hereby declare that the following is a full and complete description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the jar

Figure 2 is a detached section.

Like letters of reference refer to like parts in the views.

In fig. 1, A represents a fruit-jar, which may be constructed of glass or other material, and of any desirable shape and size. B, the top or cover of said jar, consists of a metallic cap, the band or flange of which is provided with a screw, *a*, whereby it is screwed to the neck of the jar. C is a gasket, of rubber or other air-impervious material, placed upon the shoulder of the jar, and down upon which the cap is screwed, and thereby the jar made air-tight. D is a valve-seat, in which is located the valve E, fig. 2, which is simply a metallic disk or button, interposed between which and the seat is a soft bed, F, of rubber or other suitable material, down upon which the valve is forced by the tube G; said tube being screwed into the seat down upon the margin of the valve, thereby making an air-tight joint.

For further security, an elastic band, H, fig. 2, is placed on around the lower end of the tube, so that on screwing down the said tube, the band will be compressed between the upper edge of the valve-seat and collar *c*. By this means the air is effectually prevented from passing into the jar around the screw, thus, in an easy, simple manner, making the jar securely tight.

The practical manipulation of this device is as follows, viz:

The fruit or other articles for preservation being placed in the jar, the cap B is then carefully and tightly screwed down upon the shoulder and gasket referred to. This being properly done, the air is then exhausted from the jar by an air-pump, to which it is connected by an elastic or other tube. The air being wholly exhausted, the tube is then screwed down upon the valve and packing, above described, thereby excluding the air from the jar, and thus securing the vacuum in which the fruit is left for preservation.

It is often found that a certain quantity of air will escape from the fruit or other articles into the jar, after the air is exhausted from the jar. In order to remove this, should it be found necessary, the pump is again applied to the jar. The tube is then slightly loosened, which will also loosen the valve, and the air drawn out through the notches *a*, in the end of the tube.

The external air being prevented from passing in around the tube and valve-seat, by the elastic band H, which, as above said, is compressed between the edge of the seat and collar *c*, hence is certainly known that no air is drawn by the pump from the outside, as no air can find its way in between the tube and valve-seat.

If the end of the tube were without the notches referred to, the valve, when in contact with the same, would fit so closely as to stop the air from passing into the tube, and thereby prevent the exhausting of the air from the jar; hence the necessity of having the holes in the side of the tube, as shown in the drawing.

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

The screw-tube G, provided with notches *a*, as arranged, in combination with the valve-seat D, valve E, elastic band H, and cover B, for the purpose substantially as set forth.

J. B. LYON.

Witnesses:

W. H. BURRIDGE,

J. H. BURRIDGE.