

J. H. ANCHORS.
FRUIT-JAR.

No. 176,766.

Patented May 2, 1876.

Fig. 1

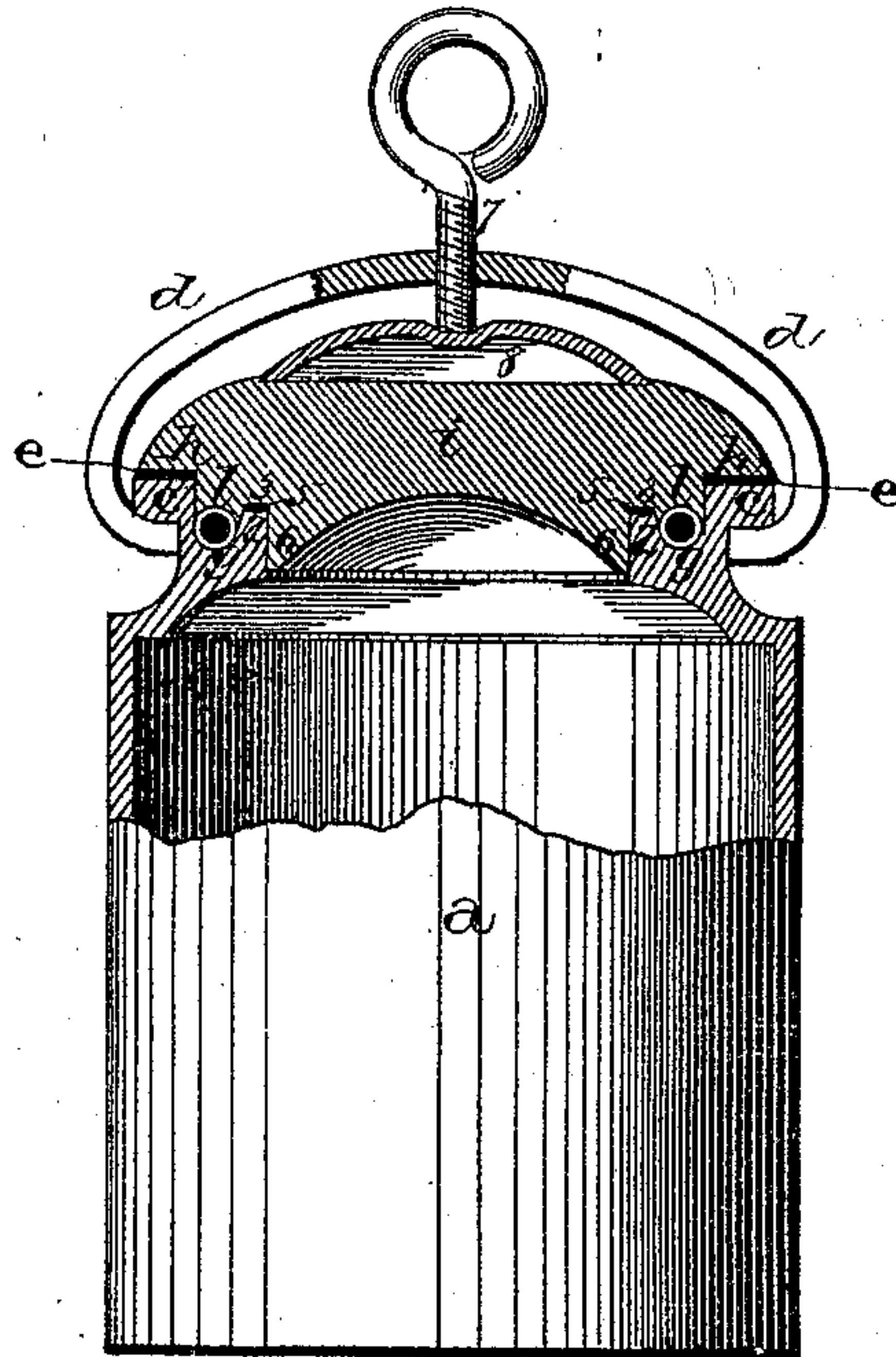


Fig. 2.

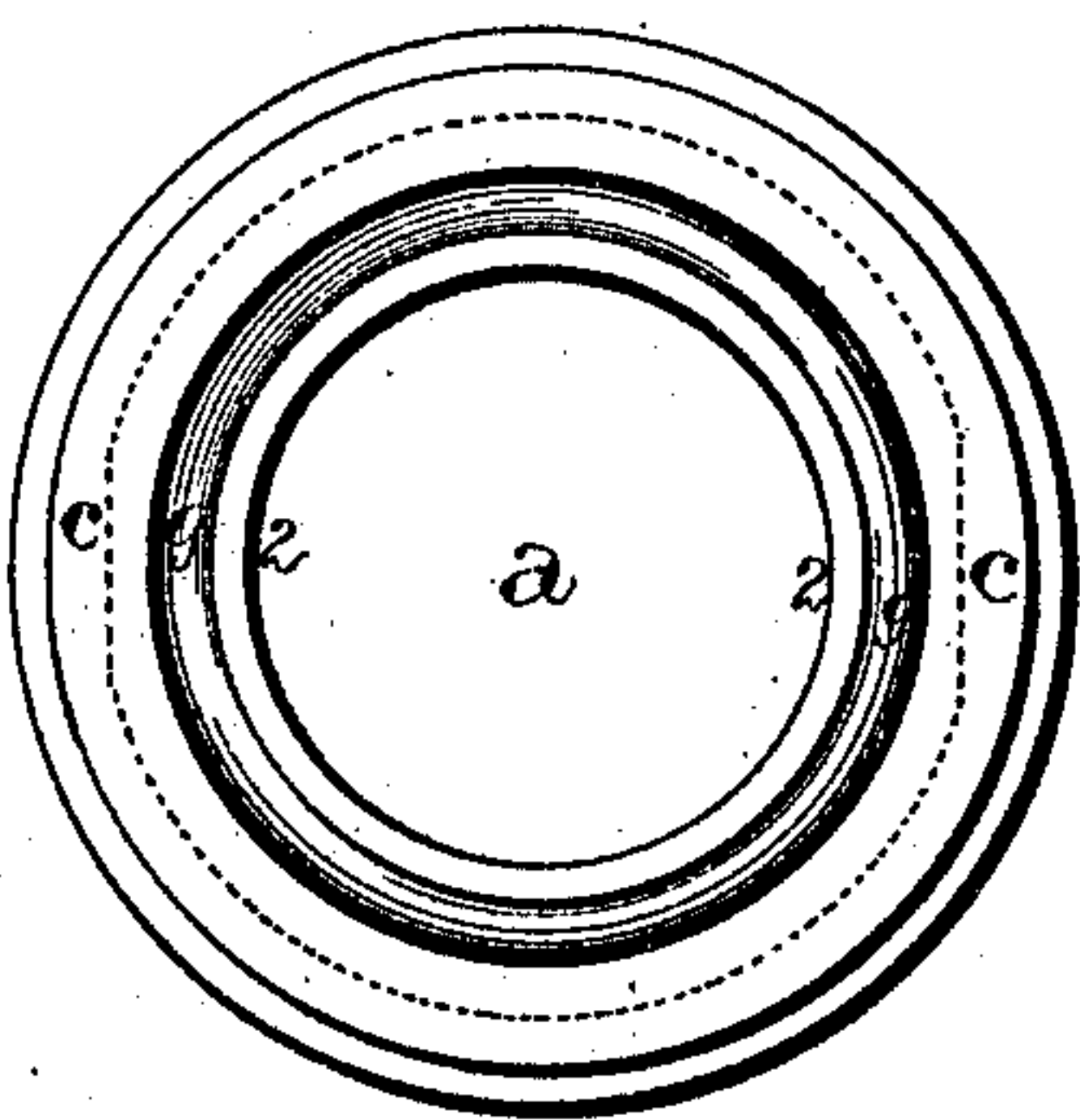
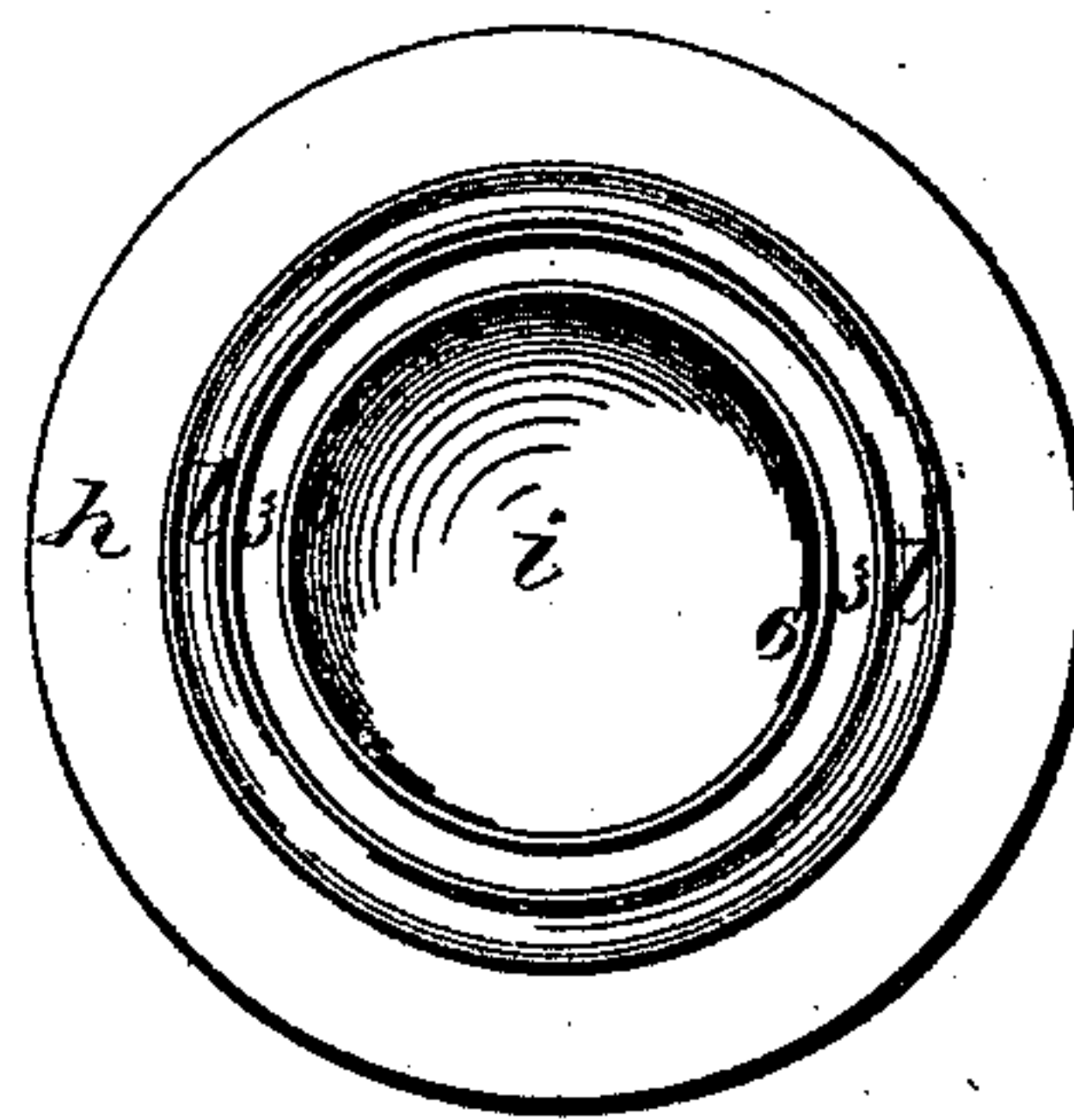


Fig. 3.



WITNESSES.

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per
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UNITED STATES PATENT OFFICE.

JAMES H. ANCHORS, OF POLLOCK, PENNSYLVANIA.

IMPROVEMENT IN FRUIT-JARS.

Specification forming part of Letters Patent No. **176,766**, dated May 2, 1876; application filed February 28, 1876.

To all whom it may concern :

Be it known that I, JAMES H. ANCHORS, of Pollock, in the county of Clarion and State of Pennsylvania, have invented certain new and useful Improvements in Fruit-Jars; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in fruit-jars; and it consists in the peculiar construction of the cover and the top of the jar, whereby an air-tight joint between the two is made, and the jar hermetically sealed, as will be more fully described hereinafter.

Figure 1 is a part sectional view of my invention. Fig. 2 is a plan view of the jar without the cover. Fig. 3 is an inverted view of the cover alone.

a represents a common fruit-jar, having a flange, *c*, formed around its top edge, under which the ends of the bale *d* catch. On opposite sides of the jar, immediately below the flange, just where the ends of the bale rest, the neck is slightly cut away, so that the bale will slip over the neck there and no other place, and so that the bale cannot then be turned around. The top of the flange *c* is quite broad, and has the packing *e* of felt, rubber, or other suitable material, clamped between it and the shoulder *h* on the cover *i*. Just inside of the flange *c* is formed a deep groove, in which is placed the tubular packing *g*, and pressing down from the cover above upon this packing is the tongue *l*, which fills the groove and causes the packing to expand sidewise in such a manner as to form a tight joint at this point.

The inner side of this groove, in which the tubular packing is placed, is formed by the tongue or flange 2, which fits in a corresponding groove, 3, in the cover, in which groove is placed the packing 5. The central portion of the cover forms a circular flange, 6, which fits snugly inside of the mouth of the jar, as shown.

Thus it will be seen that there are three different packings interposed between the outside air and the contents of the jar, so that if one packing should fail to be perfectly air-tight the others may be.

Where the screw 7, which passes down through the bale, bears directly upon the top of the cover, as is generally the case, the cover is always liable to be cracked or broken by the pressure. In order to obviate this, upon the top of the cover I place the concavo-convex metallic plate 8, and have the screw bear down upon it, and thus equalize the pressure over the whole cover.

Having thus described my invention, I claim—

1. The jar *a*, having the flange *c*, groove to receive the packing *g*, and tongue or flange 2, in combination with the cover *i*, having the shoulder *h*, tongue *l*, and groove 3, substantially as set forth.

2. The combination of the jar *a*, flange *c*, bale *d*, screw 7, cover *i*, and plate 8, substantially as specified.

In testimony that I claim the foregoing I have hereunto set my hand this 18th day of February, 1876.

JAMES H. ANCHORS.

Witnesses:

ROBT. M. BARR,
J. R. SMITH.