

(No Model.)

D. E. ASHBY.

FRUIT JAR.

No. 333,715.

Patented Jan. 5, 1886.

Fig. 1.

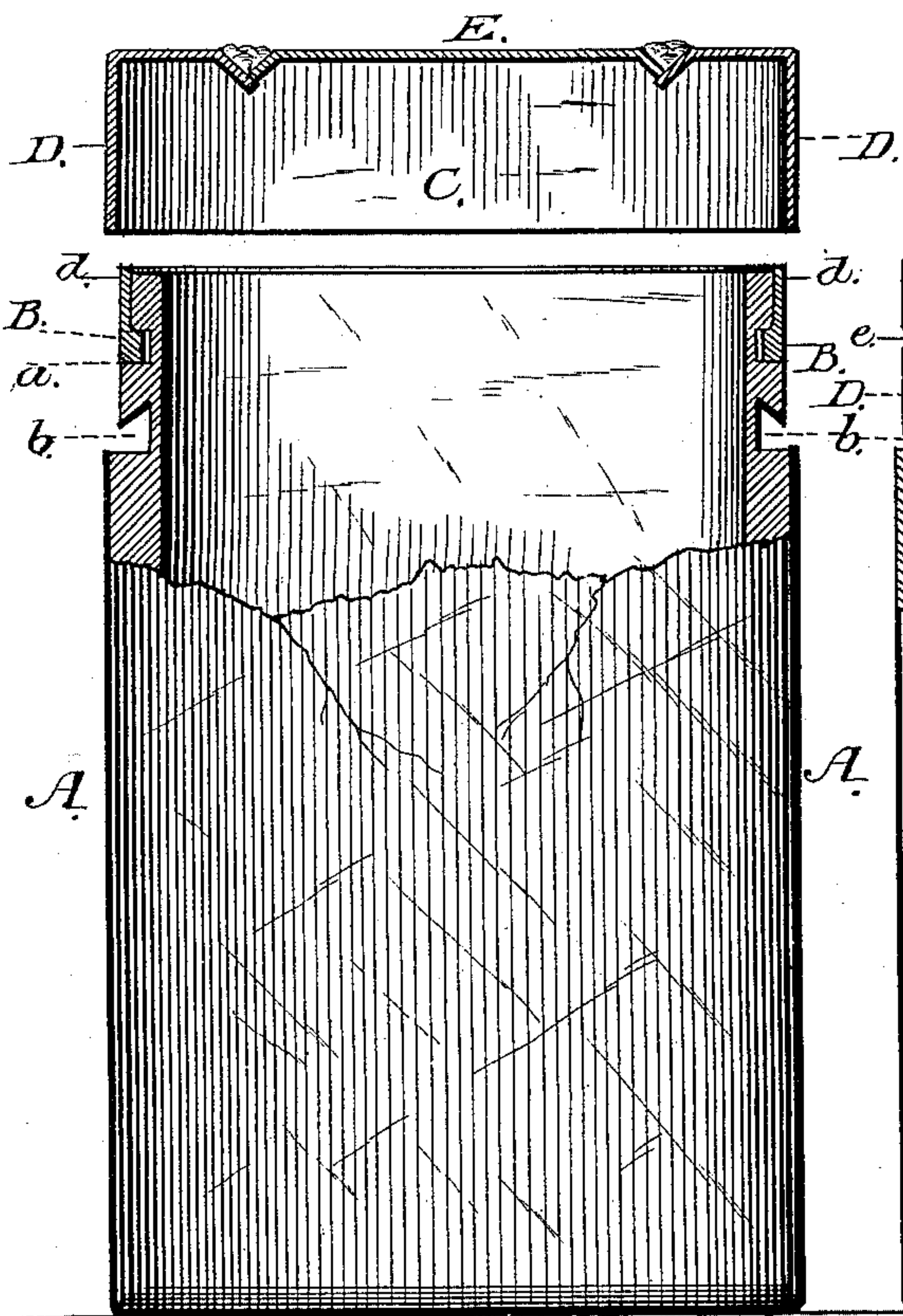
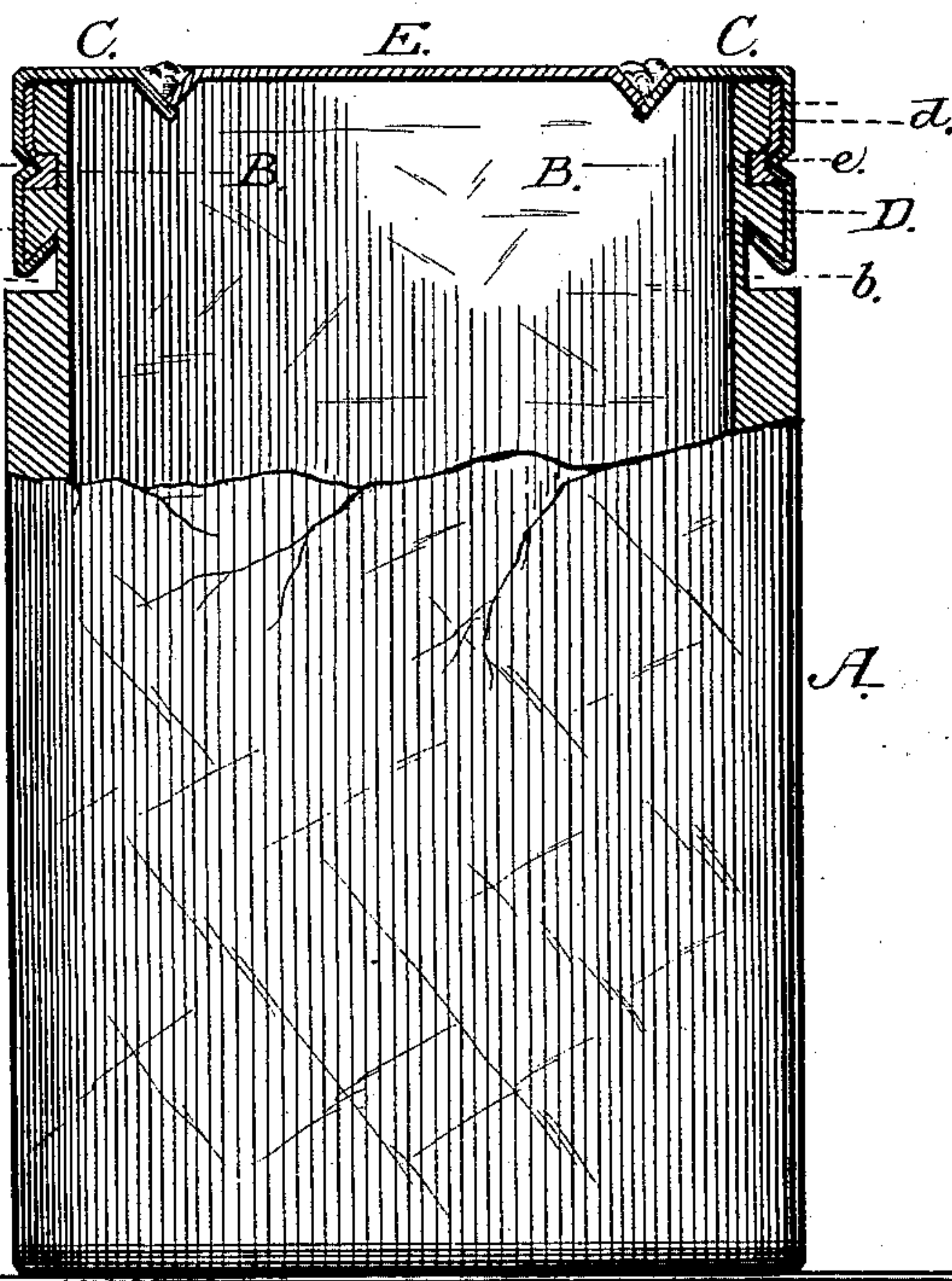


Fig. 2.



WITNESSES

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FRUIT-JAR.

SPECIFICATION forming part of Letters Patent No. 333,715, dated January 5, 1886.

Application filed June 25, 1885. Serial No. 169,780. (No model.)

To all whom it may concern:

Be it known that I, DELMAR E. ASHBY, of the city and county of San Francisco, State of California, have invented a new and useful Improvement in Fruit-Jars, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a jar, partly in section, provided with the packing and ready to receive its cap. Fig. 2 shows the cap secured to the jar.

My invention has for its object the hermetically sealing of canned fruits and vegetables; and it consists of the combination of devices hereinafter explained and claimed.

To enable others skilled in the art to make and use my invention, I will now proceed to describe the manner in which I have carried it out.

In the drawings, A represents a glass vessel formed with two grooves, *a* and *b*, around its neck, the groove *b* being dovetailed on its upper wall, for a purpose hereinafter explained.

Within the groove *a*, I place a rubber packing, B, having a lip or flange, *d*, extending a little above the mouth of the jar, in order to secure its downward compression when the cap or cover is applied to the jar. The cap C is provided with a collar, D, of sufficient depth to reach below the upper wall of the groove *b*, and which is pressed into the said groove and close beneath the dovetailed wall of the groove described above. By having the upper wall of this groove dovetailed I am enabled to draw the cap down much tighter on the mouth of the jar, and the acute angle at which the collar is bent inward tends to resist a much greater strain than when merely turned below a rounded flange in the well-known way. Having secured the lower edge of the collar beneath the dovetailed wall of the groove *b*, as shown in Fig. 2, I make an annular indentation, *e*, on the collar opposite the groove *a*, for the purpose of both tightening the cap on the jar, and of spreading or expanding the rubber packing and increasing its effectiveness. The rubber packing, before being applied to the jar, is subjected to immersion in

beeswax and rosin or other like substance in fluid condition, and when the jars are subjected, to the necessary heat for cooking the contents the heat will remelt the composition and cause it to fill up any possible space which may have been left open by the rubber packing. When the rubber packing has been placed in position, as shown in Fig. 1, the cap C is forced down by clamping or otherwise, until the top of the cap rests upon the top of the neck of the jar, when the lower edge of the flange or collar D is pressed under the dovetailed wall of the groove *b*, as shown in Fig. 2, thus securing the cap firmly to the jar. The groove or indentation *e* is then made around the collar and opposite to the groove *a*, whereby any looseness in the collar is taken up and the cap is drawn down tightly on the top of the jar. Indenting the collar at *e* also tends to spread or expand the packing and cause it to fill any spaces which may have been left between the jar and the cap. The center of the cap has the usual opening, E, for the introduction and removal of the fruit or other material.

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

1. A jar provided with the grooves *a* and *b*, the groove *b* having its upper wall dovetailed, in combination with the rubber packing B, provided with the lip *d*, and the collar D, having its lower edge bent into the groove *b*, and provided with the indentation *e*, all constructed and arranged substantially as and for the purpose set forth.

2. A jar provided with the grooves *a* and *b*, the groove *b* having its upper wall dovetailed, in combination with the rubber packing B, coated with a mixture of beeswax and rosin or other equivalent substances, and the collar D, having its lower edge turned or bent into the groove *b*, and provided with the indentation *e*, all constructed and arranged substantially as and for the purpose described.

DELMAR E. ASHBY.

Witnesses:

GEO. H. STRONG,
S. H. NOURSE.