

No. 606,838.

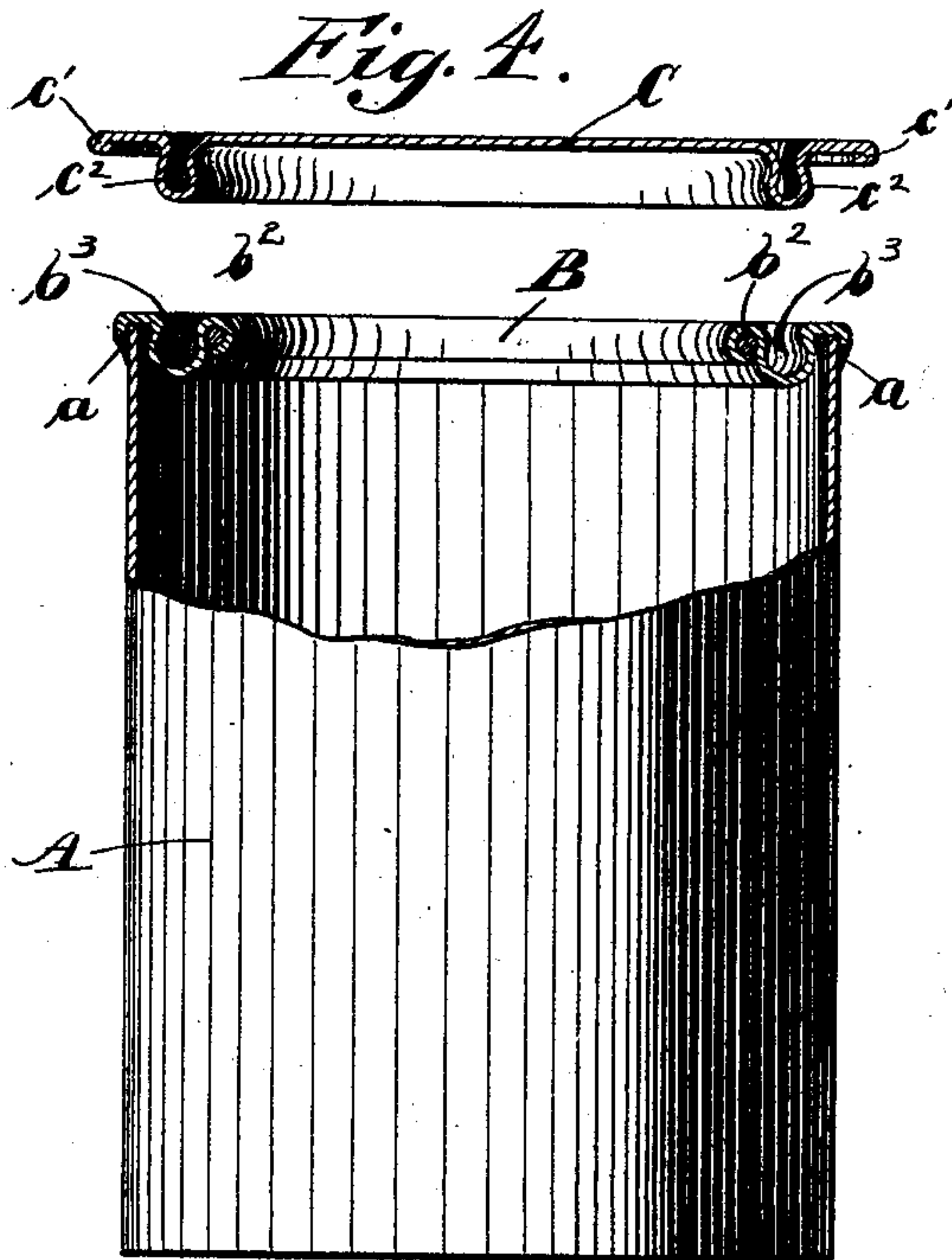
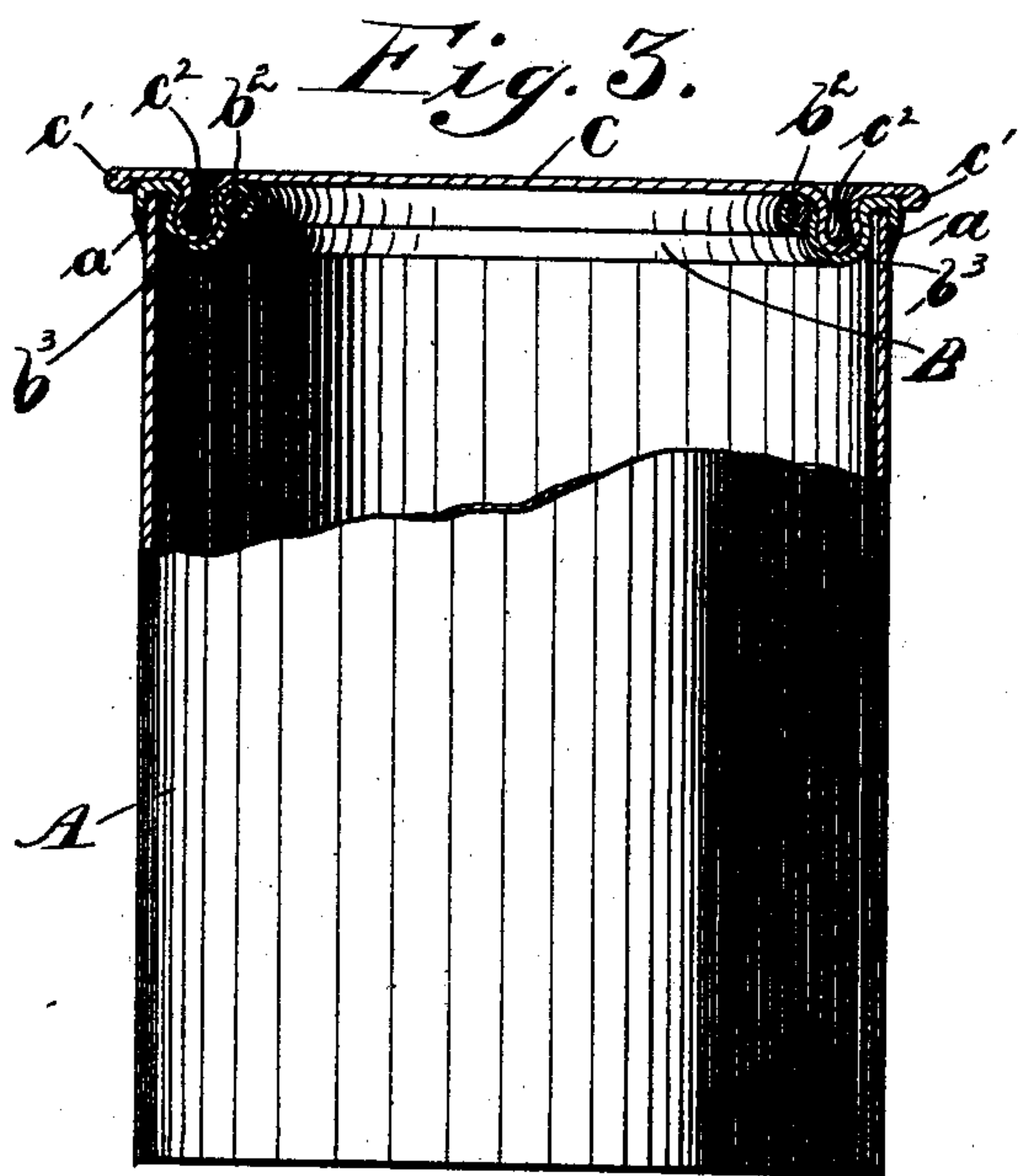
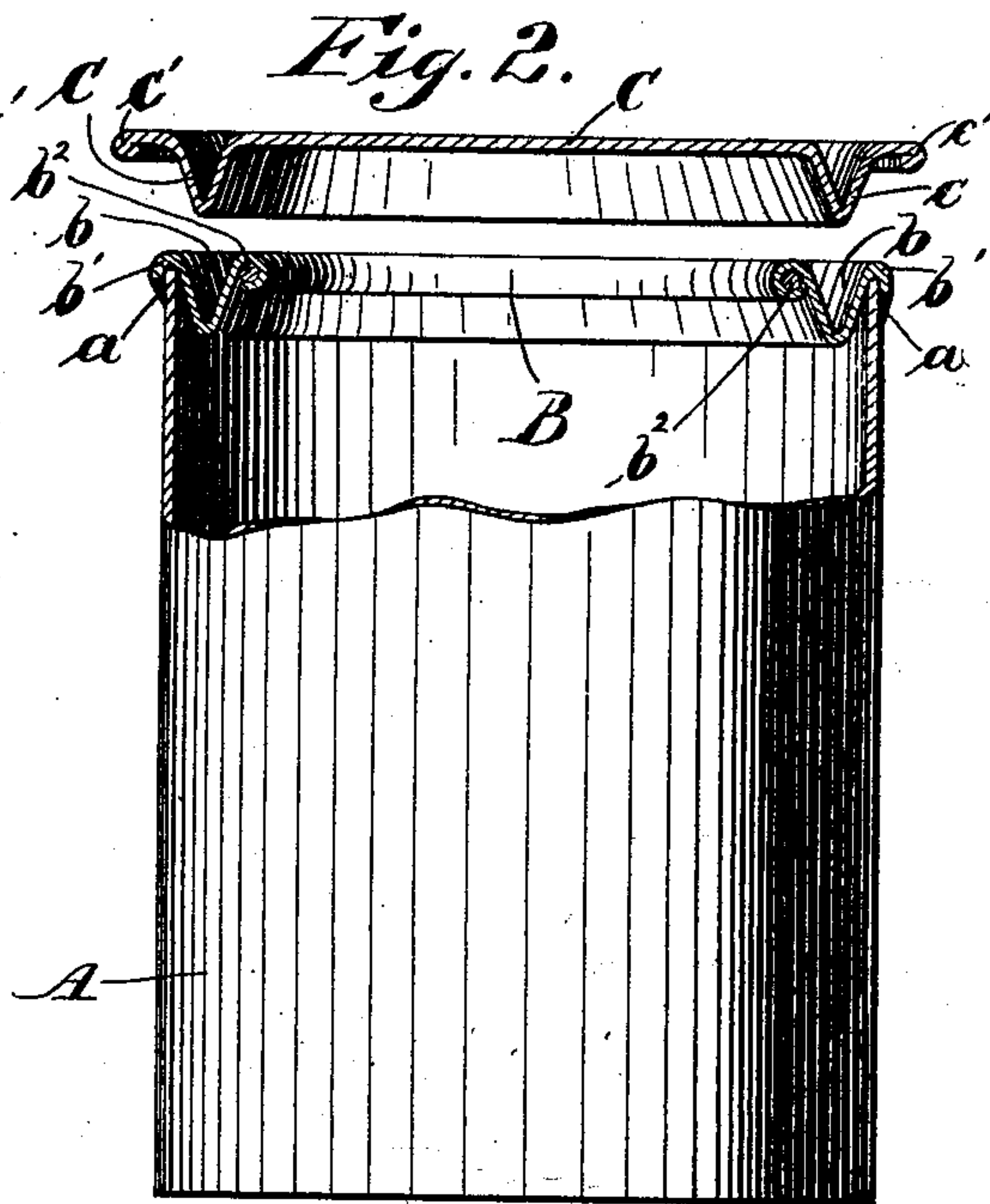
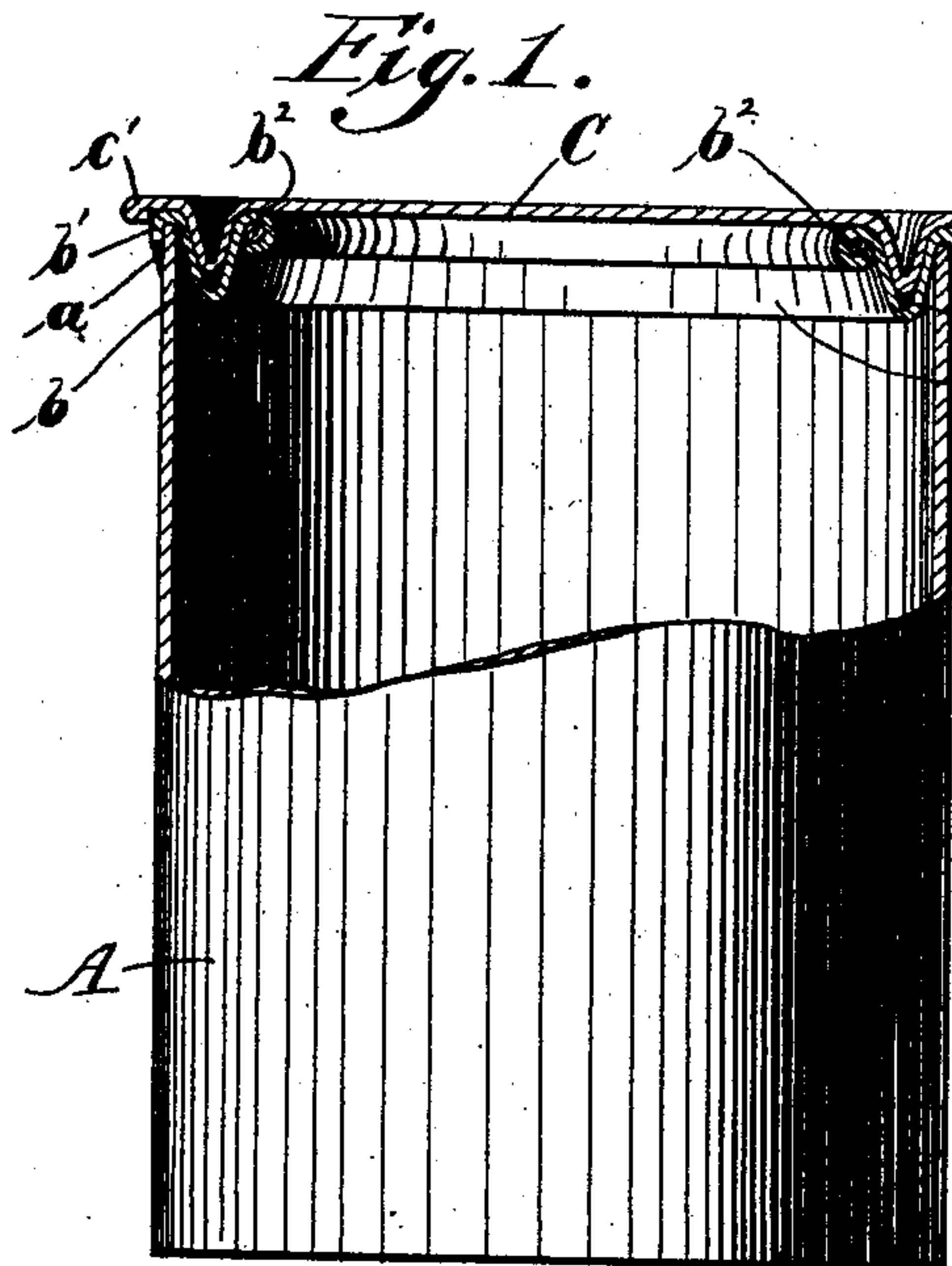
Patented July 5, 1898.

I. J. HEINS.

CAN OR RECEPTACLE FOR FRUIT.

(Application filed June 9, 1897.)

(No Model.)



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## CAN OR RECEPTACLE FOR FRUIT.

SPECIFICATION forming part of Letters Patent No. 606,838, dated July 5, 1898.

Application filed June 9, 1897. Serial No. 639,988. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN J. HEINS, a citizen of the United States, and a resident of New York city, county of New York, and State of New York, have invented certain new and useful Improvements in Cans or Receptacles for Fruit, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

My invention relates to an improved can or receptacle for preserved fruits, liquids, &c.; and the object of my invention is to provide a suitable receptacle for containing fruits or liquids which may be tightly closed or sealed without the use of lead solder. I attain this object in the device illustrated in the accompanying drawings, which form a part of this specification, in which—

Figure 1 is a side view, partly in section, of my improved can with the cover attached. Fig. 2 is a side view, partly in section, showing the cover detached. Fig. 3 is a side view, partly in section, showing a slight modification; and Fig. 4 is a side view, partly in section, of the modification, showing the cover detached.

In the practice of my invention I provide an ordinary sheet-metal receptacle A, and to the upper edge thereof is secured a collar B by means of the annular flange  $b'$  and solder-joint, (shown at  $a$ .)

The collar or nosing B has an annular groove  $b$  formed therein, and a ring  $b^2$ , composed of resilient wire, is secured to the central opening formed by the inner edge of the said collar B, the material forming the said edge being wrapped around the ring, thus producing a finished outlet, while at the same time a spring is supplied for maintaining contact with the can-cover, as will be hereinafter described.

As a means for closing the can a cap or cover C is provided. This cap has an annular rib  $c$  projected from its under surface of a contour adapted to register with the groove  $b$  of the cover B, which, as illustrated in Figs. 1 and 2, is V-shaped in cross-section, and the rib  $c$  is normally slightly larger than the groove  $b$ , whereby a wedge action is exerted when the parts are assembled.

In the modification the aforesaid nosing or collar is formed with a depressed circular groove  $b^3$  instead of the V-shaped groove  $b$ , (shown in Figs. 1 and 2,) and the cover C is formed with a downwardly-extending rib  $c^2$ , whose cross-section is circular in shape and which engages and fits tightly in the groove  $b^3$  of the nosing B when the said cover is forced in position.

To close or seal the receptacle A after filling the same, the cover C is placed upon said receptacle and by a sudden even blow with any suitable instrument is forced tightly upon it, the rib  $c$  of the cover being forced into the groove  $b$  of the nosing. The said rib being slightly larger than the groove  $b$  is contracted and exerts a lateral pressure against the sides of the groove  $b$ . This pressure acts to keep the cover C in position and prevents any leakage of the contents of the receptacle. In the modified form the cover C is forced on in the same manner, the sudden blow tending to force the wider portion of the rim  $c^2$  through the narrow portion of the groove  $b^3$  in the nosing B.

The rib  $c^2$  is made a little larger than the groove  $b^3$ , into which it is forced, so that when the cover is in position the rib  $c^2$  will exert a lateral pressure upon the sides of the groove  $b^3$  and thus prevent any leakage of the contents of the receptacle, and the particular formation of the rib and groove will tend to keep the cover in position.

To remove the cover in either construction, it is only necessary to strike a few sharp blows with a suitable instrument upon the projecting edge  $c'$  of the cover C.

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

1. A fruit-can having a collar thereon with a central opening leading therethrough and an annular groove therein and a resilient ring secured in the inner edge of said collar, in combination with a cover having an annular rib thereon engaging with the said groove, substantially as shown and described.

2. In a can for containing fruits, liquids, &c., the combination of a receptacle having one end open, a circular nosing securely fastened to the open end of said receptacle, a groove formed in the said nosing, a spring-

wire involved in the interior periphery of the nosing, a cap for suitably covering the open end of the aforesaid receptacle, a rib formed upon the said cover and adapted to engage  
5 the aforesaid groove in said nosing, the said cover having an overlapping edge, substantially as shown and described.

3. In a can for containing fruits, liquids, &c., the combination of a receptacle having  
10 one end open, a nosing securely fastened on the open end of said receptacle, a groove formed in the said nosing, a resilient wire ring secured in the interior periphery of the  
15 nosing, a cap for suitably covering the open end of the aforesaid receptacle, having a rib

formed thereon adapted to engage in the aforesaid groove on said nosing, and an overlapping circumferential portion projecting beyond the can and adapted to be struck by  
a suitable instrument to release the nosing 20 and open the can, substantially as shown and described.

In testimony that I claim the foregoing as invention I have signed my name, in presence  
of two witnesses, this 5th day of June, 1897. 25

JOHN J. HEINS.

Witnesses:

C. SEDGWICK,  
B. McCOMB.