

(No Model.)

I. PORTER.  
Can.

No. 229,749.

Patented July 6, 1880.

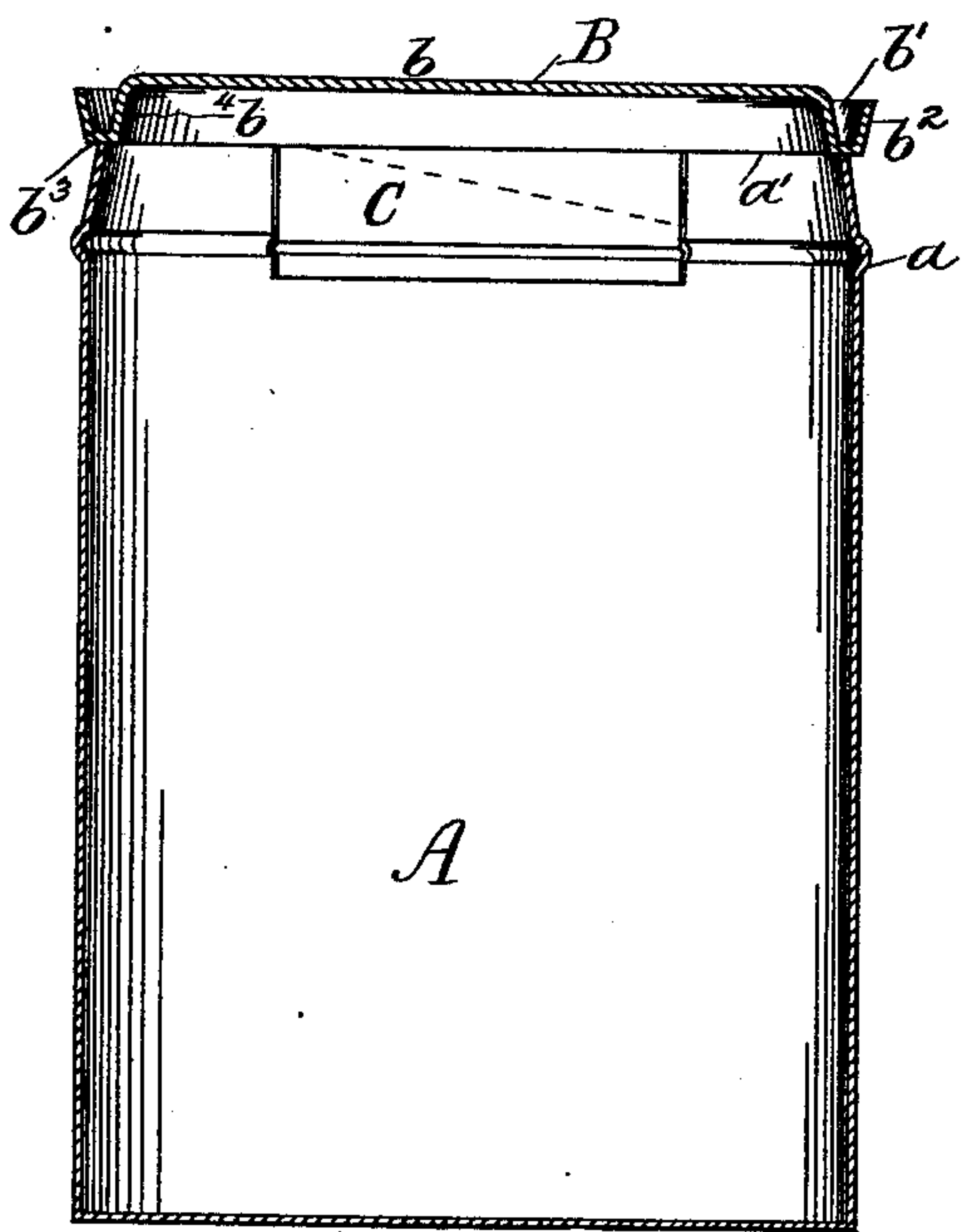


FIG. 1

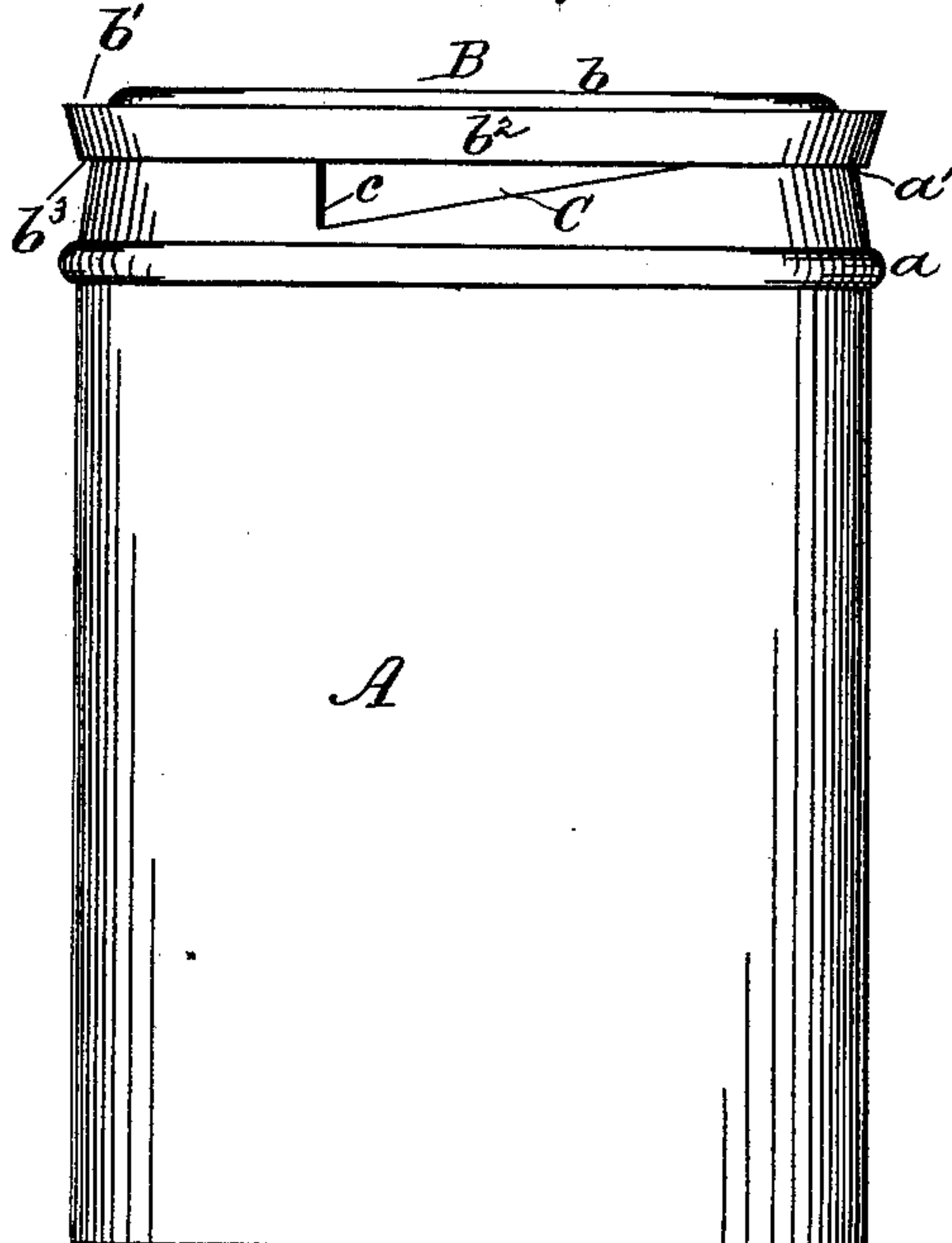


FIG. 2

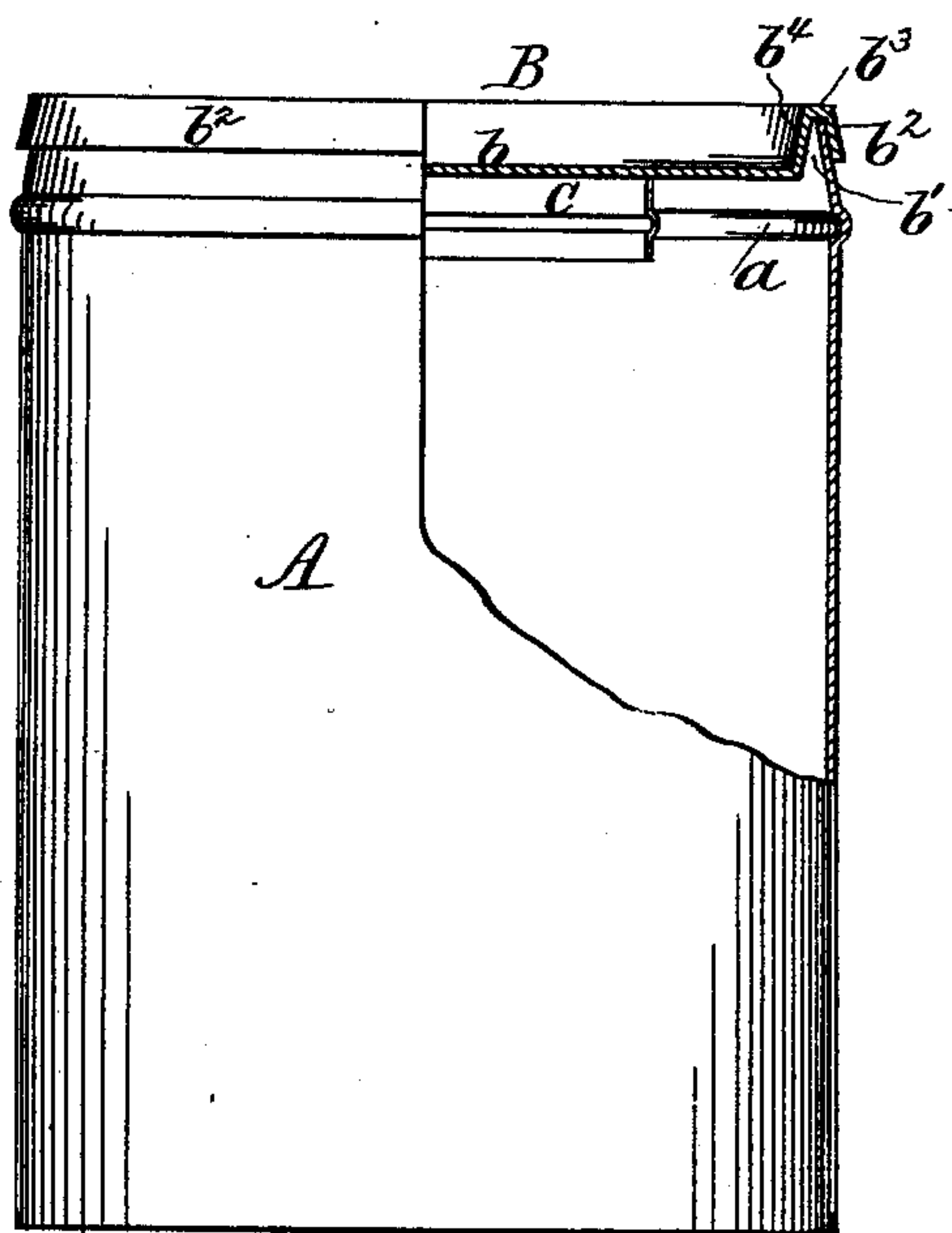


FIG. 3

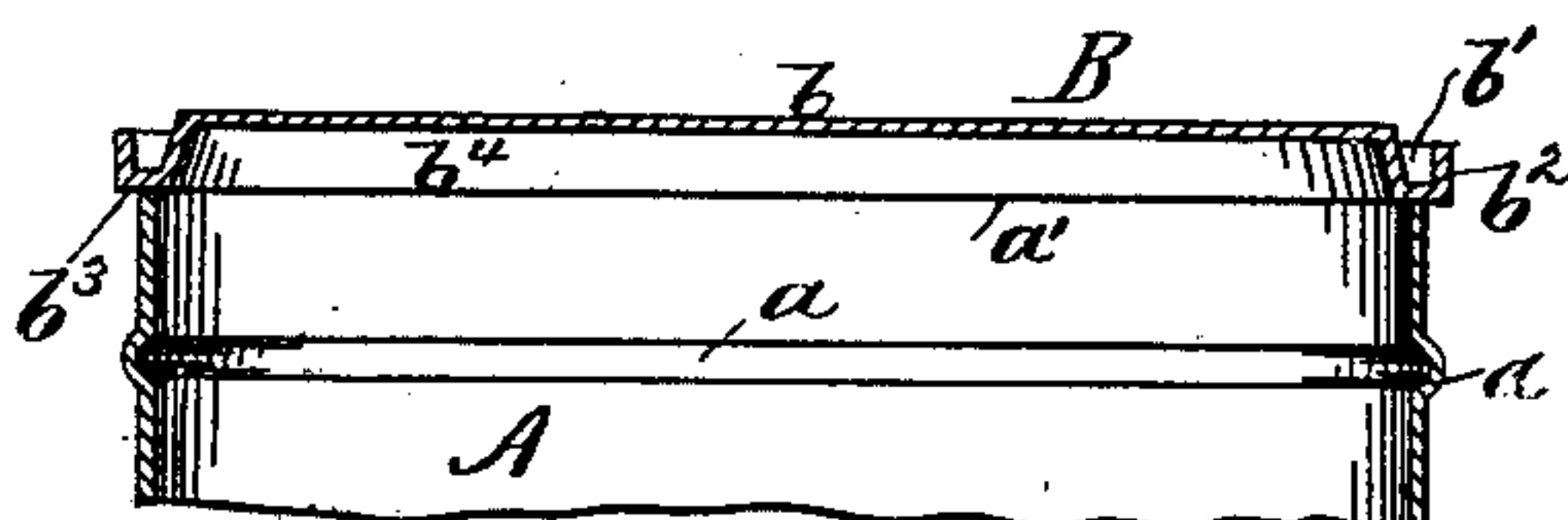


FIG. 4

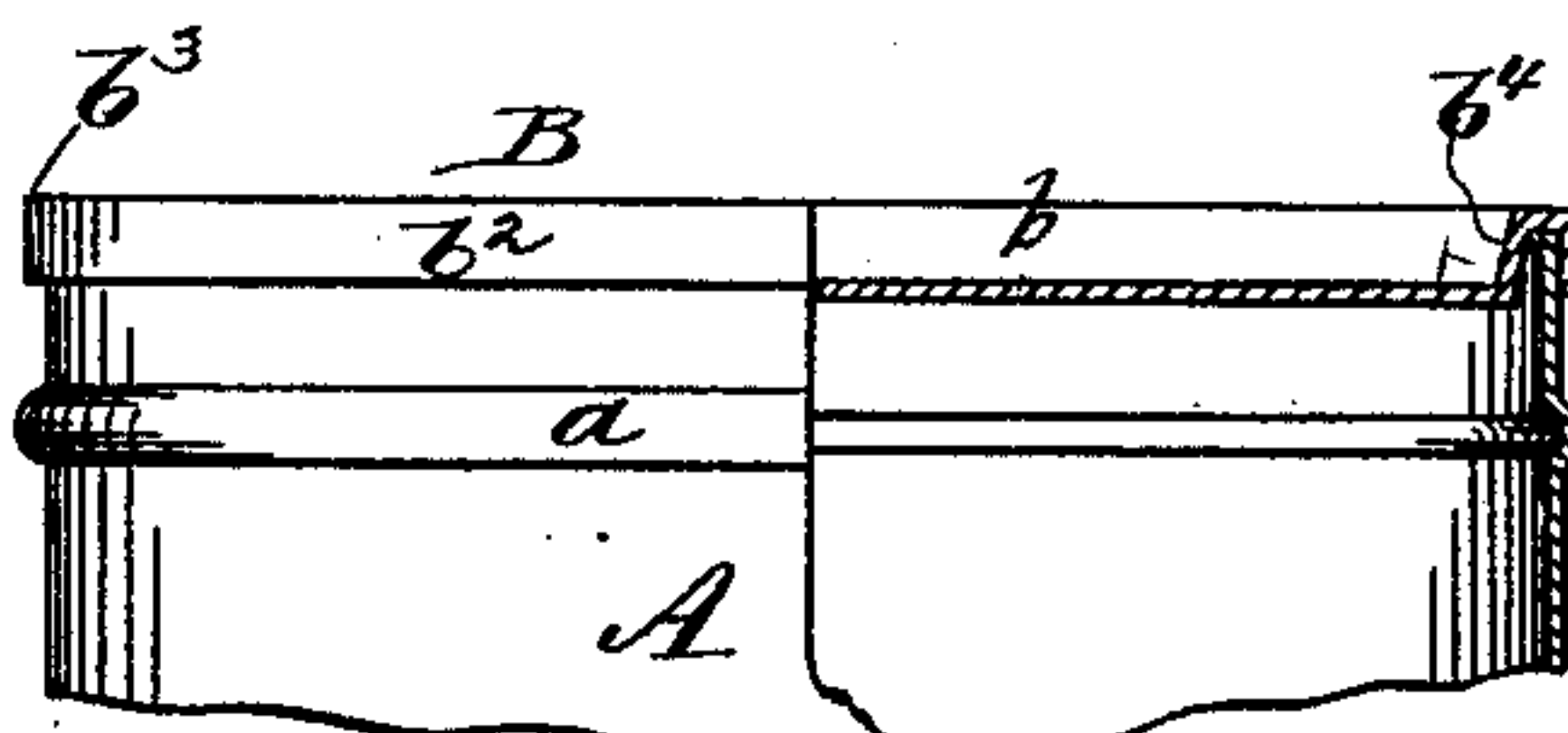


FIG. 5

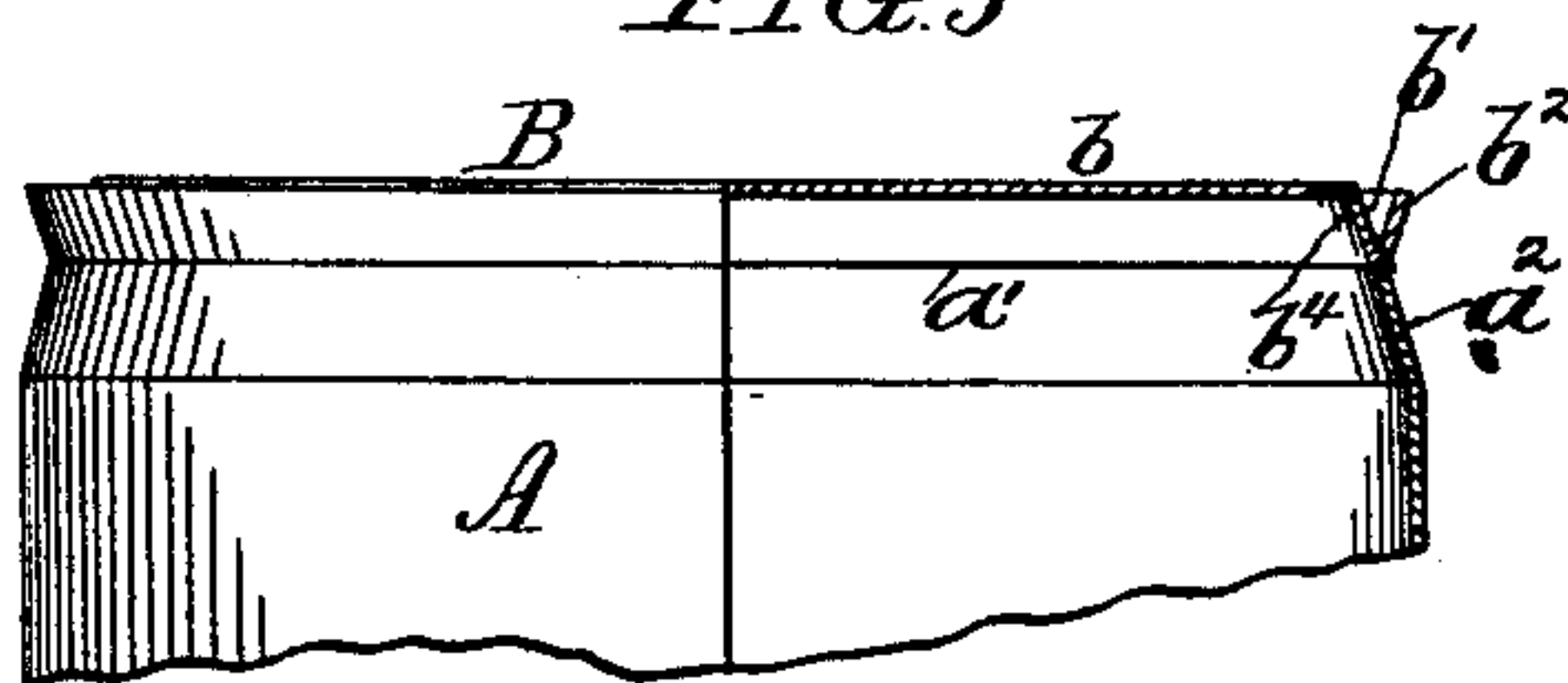


FIG. 6

INVENTOR,

Iraas Porter,  
By Connolly Bros.  
ATTORNEYS.

WITNESSES:

S. J. VanStavoren  
D. P. Cowl



# UNITED STATES PATENT OFFICE.

ISAAC PORTER, OF PHILADELPHIA, PENNSYLVANIA.

## CAN.

SPECIFICATION forming part of Letters Patent No. 229,749, dated July 6, 1880.

Application filed April 22, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, ISAAC PORTER, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented new and useful Improvements in Cans, of which the following is a specification, reference being had to the annexed drawings, wherein—

Figure 1 is a vertical section of a can embodying my improvements. Fig. 2 is a side elevation of the same. Fig. 3 is a side elevation of the can, partly in section, showing the detached lid used as a slip-cover for the can. Figs. 4, 5, and 6 are sectional views, the two latter being partly in elevation, of modifications of my invention.

My invention has for its object to provide a can having a lid or end attached to the body by a frangible joint, said lid or end being so constructed that after severance from the body it may be inverted or reversed and used as a slip-top for said body.

My invention accordingly consists in the combination, with the can-body, of a cover having in its upper side a marginal groove having a diameter at its bottom as large as the diameter of the can at its mouth, and having its outer wall of sufficiently large diameter to slip outside of the mouth of the can-body when the cover is reversed.

Referring to the annexed drawings, A shows the can-body, of the usual or any suitable construction, employed for holding paints, oil, varnish, milk, &c., and which may or may not, according to fancy or election, have the customary bead *a*.

B is the lid, consisting of a center, *b*, which may be a flat disk or of any other appropriate form, with groove or channel *b'*, having the outer wall or flange, *b<sup>2</sup>*. The base of said groove may be flat or horizontal, as shown at *b<sup>3</sup>* in Figs. 1 to 5, inclusive, so as to give a large bearing-surface, and coincides all around, as shown, with the upper edge, *a'*, of the can-body, on which it rests.

The two sides of the groove are shown at *b<sup>2</sup> b<sup>4</sup>*, the latter flaring or inclining and the former forming an external flange; or said groove may have a curved base or be a V-groove, as shown in Fig. 6, the flange *b<sup>2</sup>* flar-

ing, so as to adapt itself to the inclined chine *a<sup>2</sup>* of the body A, which is shown without a bead.

C represents a soft-metal patch fitted to an opening, *c*, in the body of the can at its top edge, substantially as shown in Letters Patent of the United States for improvements in cans granted to me, dated April 27, 1880. Said lid B is placed in the first instance on the can, as shown in Figs. 1, 2, 4, and 6, the flat or V base of the groove *b'* being soldered to the top edge *a'* of the body. The parts so remain until it is required to remove the lid to obtain access to the contents of the cans. This is accomplished by inserting a knife-blade or other tool through the soft patch C and then breaking the frangible joint between the lid and body. After this the lid B may be inverted or reversed and applied to the body as an ordinary slip-top, the upper edge of the body being embraced by the flange *b<sup>2</sup>*, as shown in Figs. 3 and 5.

I have shown and described the can as constructed with a soft patch, whereby access can be had easily to the frangible joint; but I do not limit my invention thereto, as such patch may (though not in my judgment with advantage) be dispensed with and the joint opened by first penetrating it with the point of a knife or other tool and then prying it apart.

I have described the end B as being the lid, which it properly is; but my improvement applies to either end of the can, whether called a "top" or "bottom."

What I claim as my invention is—

In combination with the can-body, the cover B, having in its upper side a marginal groove, *b'*, having a diameter at its bottom as large as the diameter of the can at its mouth, and having its outer wall of sufficiently large diameter to slip outside of the mouth of the can-body when the cover is reversed, substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 20th day of April, 1880.

ISAAC PORTER.

Witnesses:

S. J. VAN STAVOREN,  
CHAS. F. VAN HORN.