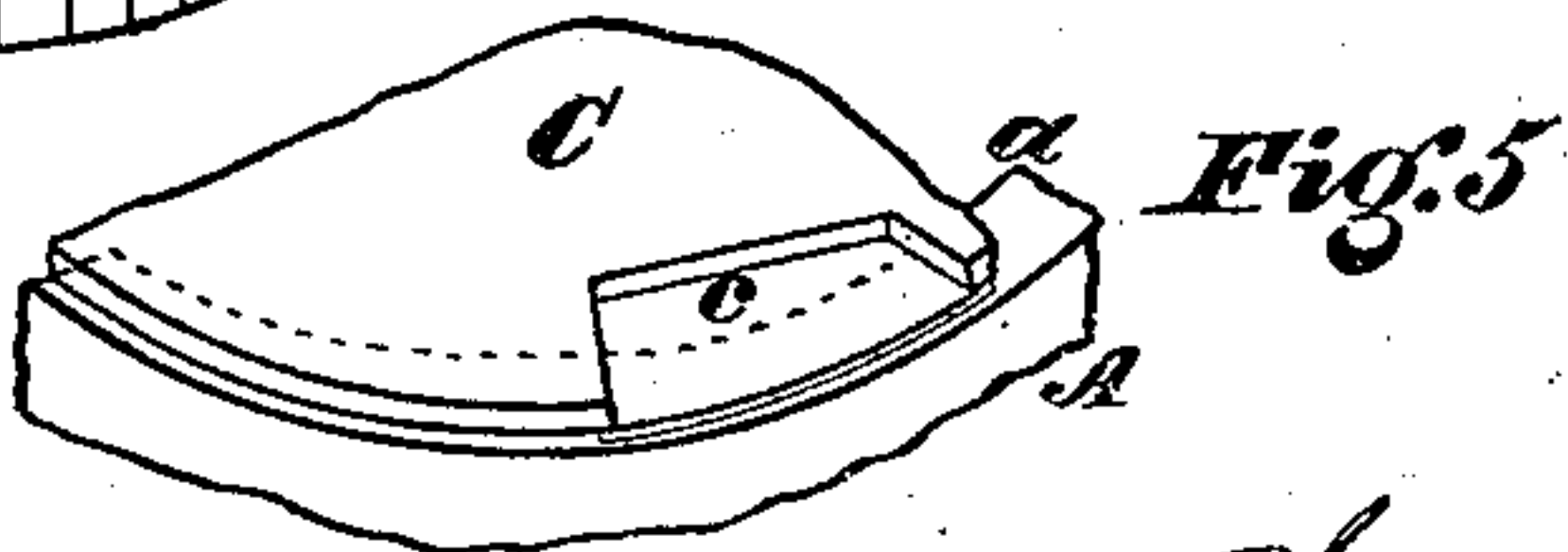
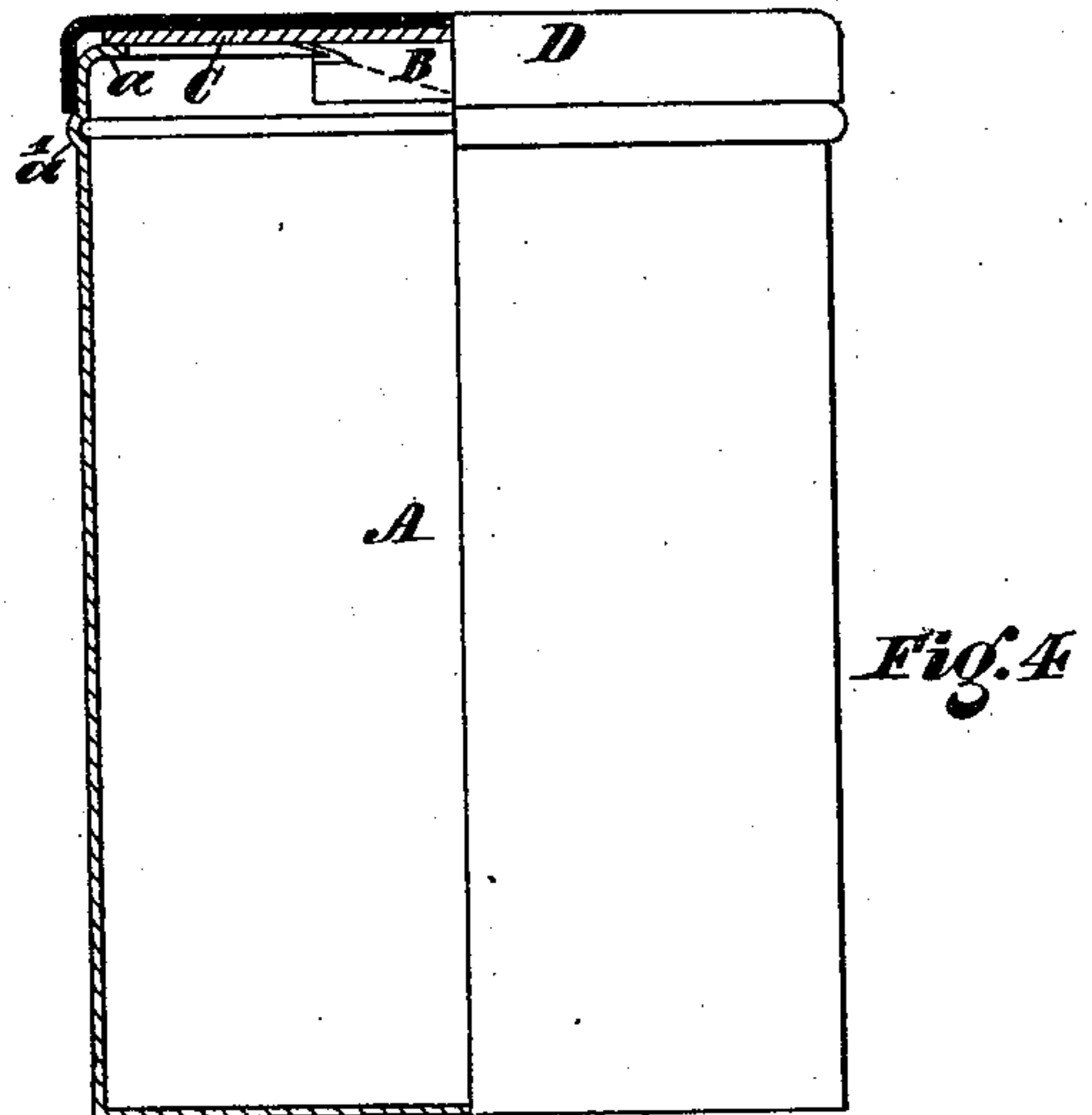
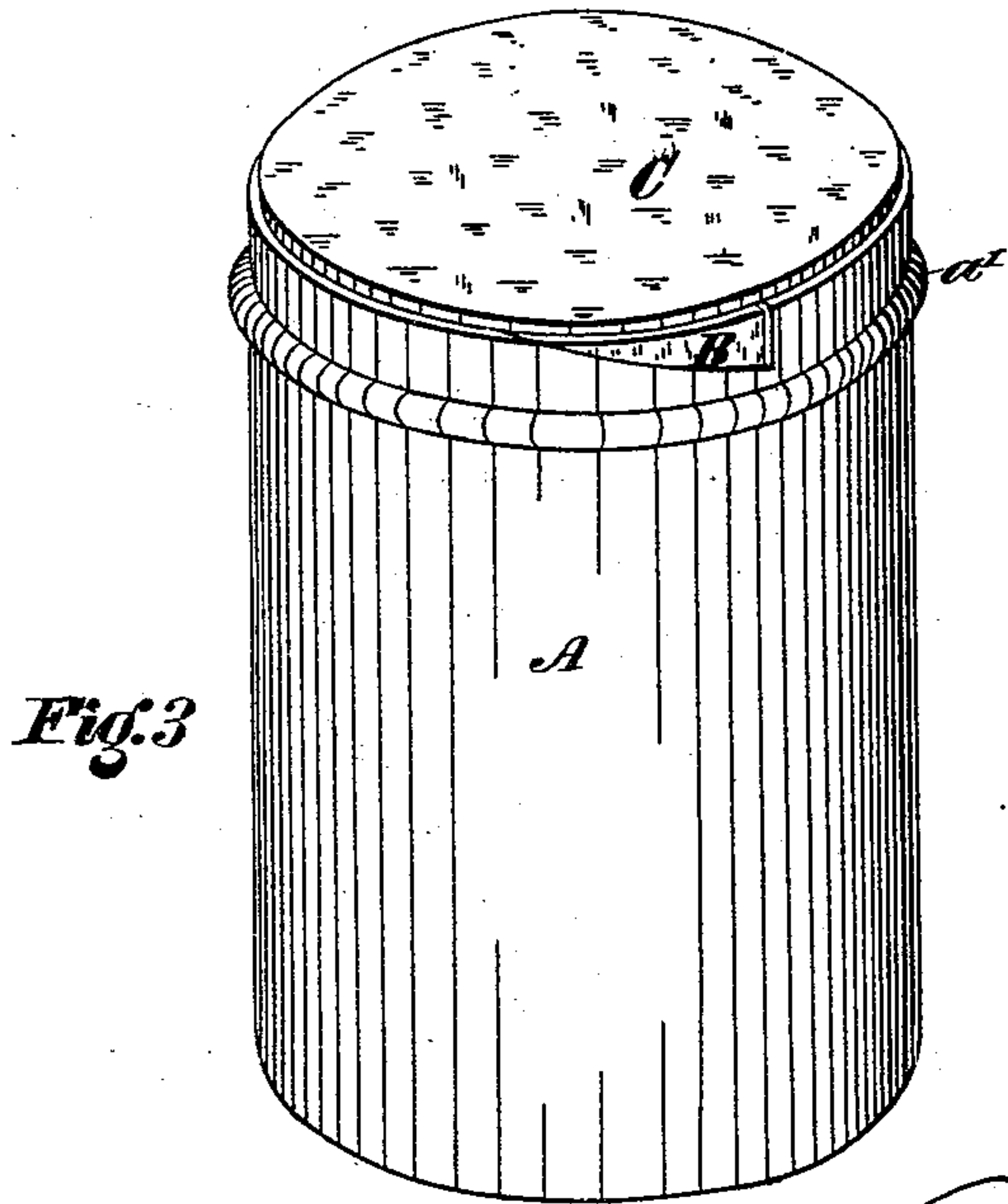
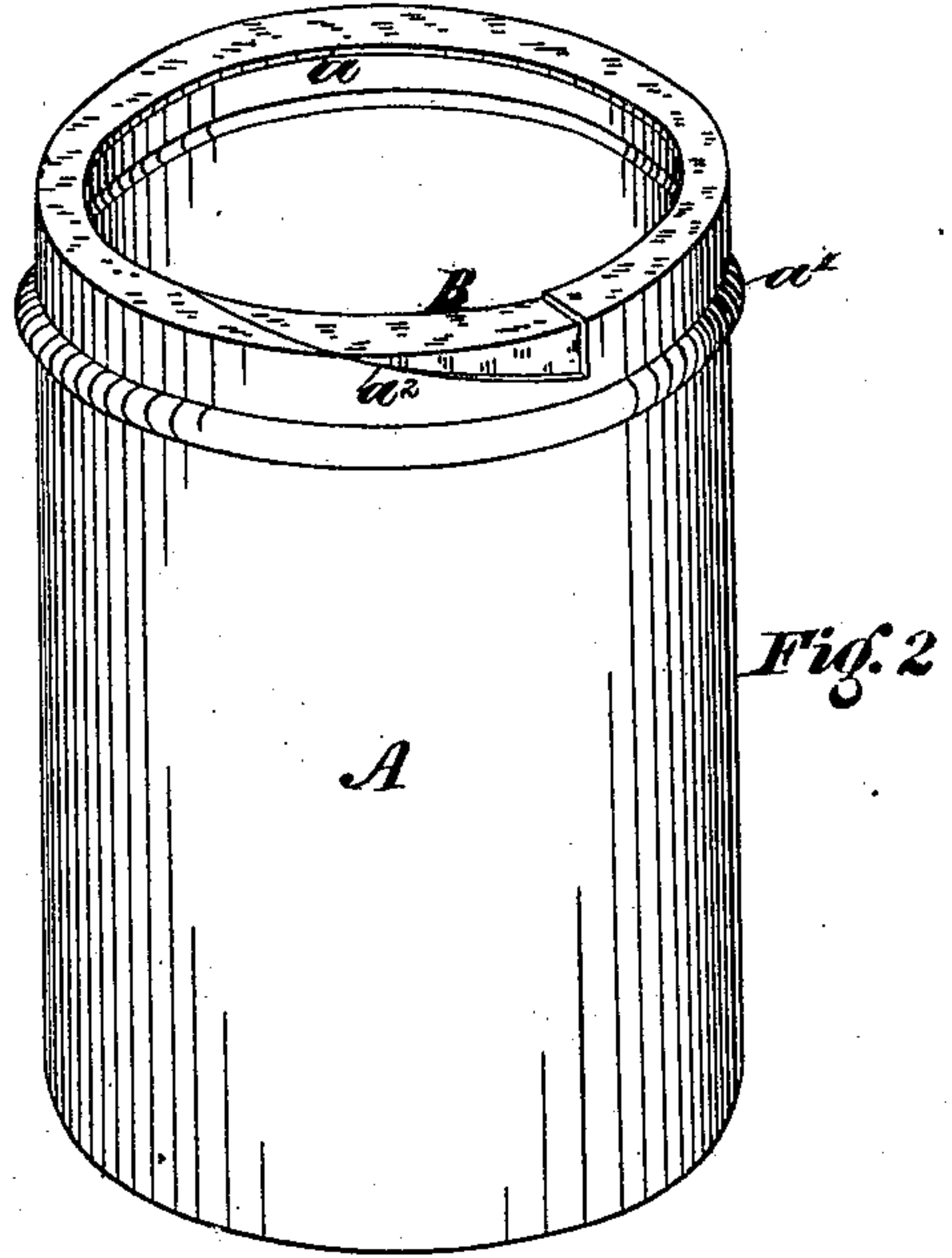
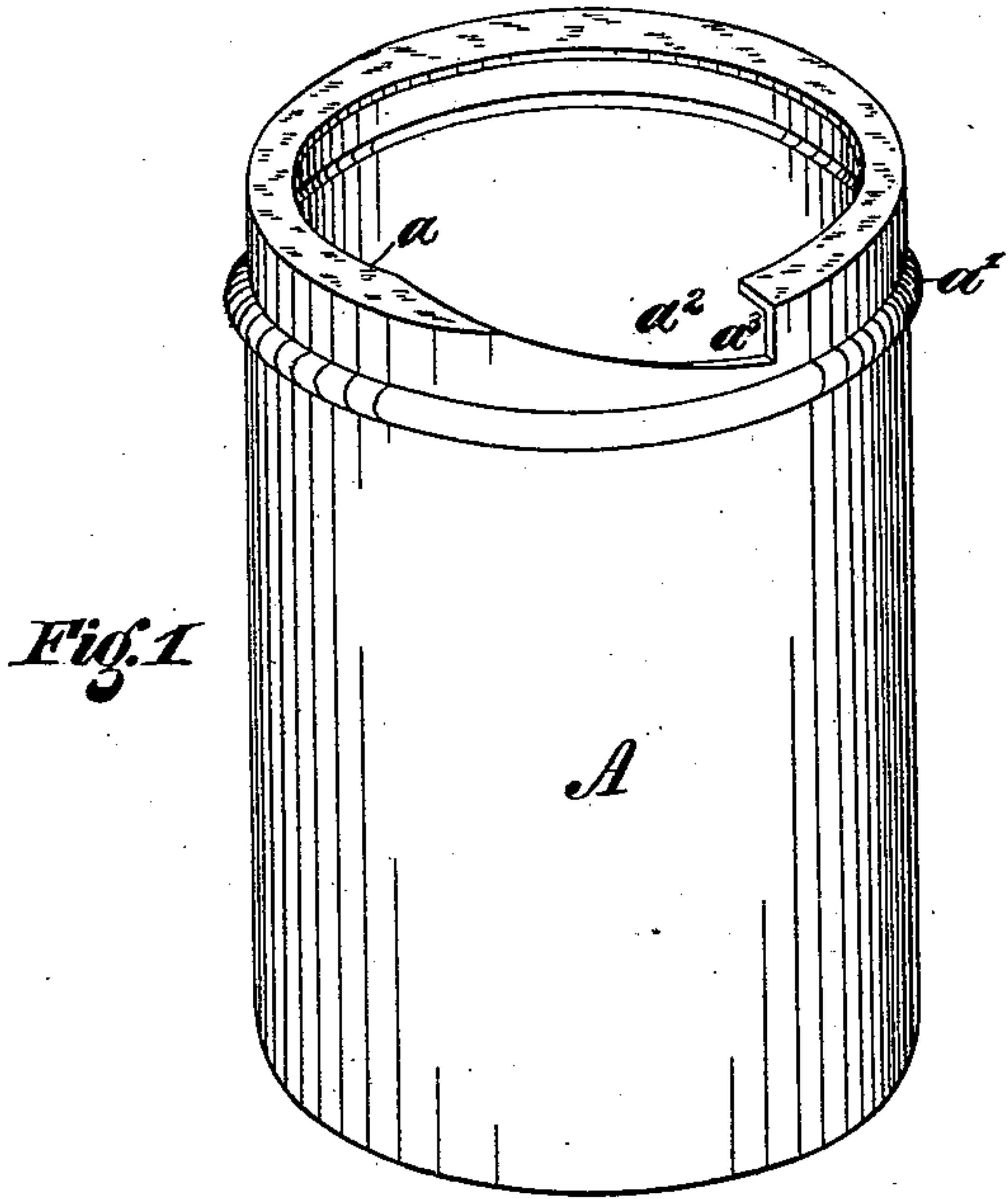


I. PORTER.
Can.

No. 227,052.

Patented April 27, 1880.



WITNESSES:
S. J. Van Stavern
Chas. F. Dawstorf

INVENTOR,
Isaac Porter
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UNITED STATES PATENT OFFICE.

ISAAC PORTER, OF PHILADELPHIA, PENNSYLVANIA.

CAN.

SPECIFICATION forming part of Letters Patent No. 227,052, dated April 27, 1880.

Application filed February 3, 1879.

To all whom it may concern:

Be it known that I, ISAAC PORTER, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Cans; 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, and in which—

Figure 1 is a perspective of a notched or cut-away can. Fig. 2 is a perspective of a can having the soft-metal patch applied thereto. Fig. 3 is a perspective of the same with the end which is intended to be opened placed in position. Fig. 4 is a side elevation, partly in section, showing the "slip-cover" attached thereto, and Fig. 5 is a detail perspective of a modification illustrating the soft-metal patch applied to one of the ends of the can.

My invention has for its object to provide a can so constructed that its top or bottom may be readily removed when required by prying or cutting off, said top or bottom previous to removal being made fast to the body of the can by a tight soldered joint.

My improvement consists, essentially, in forming the end of the body of the can with an annular flange, to which is soldered a disk or top, said body and flange being cut away or notched and the opening thereby formed being filled or fitted with a soft-metal patch. When it is required to open the can a knife or other instrument is inserted through the soft metal in such manner as to get between the annular flange of the body and the disk or top, when the latter is removed by leverage, cutting, or prying.

If desired, a slip-top may be employed in connection with the soldered disk, forming a cover for the can when said disk is removed from the body.

Referring to the accompanying drawings, A indicates the body of a sheet-metal can adapted to holding paint, milk, &c. One end of said can is formed or designed to be provided with an end or bottom applied in the usual or any suitable manner. The other end is formed

with an annular flange, a , and also, by preference, with a bead, a' . The side of the can above said bead and the flange a are notched or cut away at a^2 , one side of said notch being beveled or sloping, so as to form an incline from the lowest angle a^3 up to the flange a . Said notch a^2 is filled or fitted with a soft-metal patch, B, placed on the inside or outside and soldered in position, said patch being bent over to conform to the flange a and make the latter in effect continuous.

C represents an end or disk soldered to the flange a , and to so much of the patch B as forms part of the said flange. D is a common slip-top, which may, if desired, accompany the can, so as to form a cover for the latter when the end C is removed.

The manner of removing said end C is as follows: The point of a knife-blade or equivalent tool is pushed into the can through the patch B, which readily yields thereto, and is then moved along, cutting said patch, until it is brought between the flange a and the end C. Now, by the exercise of leverage, cutting, or prying, the solder joint between said flange and end is readily broken all around, said end being thereby removed from the body. The notch a^2 , after the removal of the end C, will form an opening, through which the contents of the can may, if desired, be poured out, while the top D will serve as a cover.

I have shown the side and flange both as notched and provided with a soft patch, B; but equivalent results, it is conceived, would be obtained by notching or cutting away the end C and fitting a patch therein, as shown at c in Fig. 5. In this case, as in the construction first described, the result would be substantially the same—that is, a place in the can readily penetrable is provided, through which the blade of a knife or like tool may be inserted, so as to get at the joint between the flange and the end soldered thereto, in order to remove said end by prying or cutting, as already described.

The slip-top is designed to be fitted over the soldered end C and taken off the can before said end C is removed. Afterward, if any of the contents of the can be allowed to remain therein, said slip-top may be put on again as

a cover to prevent such remaining contents from drying or evaporation.

What I claim as my invention is—

5 1. A sheet-metal can comprising a flanged body, A, and a disk or end, C, said body having a notch, a^2 , cut in its upper edge, as shown, and filled with a soft-metal patch, B, as and for the purpose set forth.

10 2. The combination, with a can comprising the body A and top C, and formed with a notch on the line of the seam or joint between

body and top, of a soft-metal patch applied to and covering said notch, whereby access may be had to the seam or joint by penetrating said patch.

15 In testimony that I claim the foregoing I have hereunto set my hand this 27th day of January, 1879.

ISAAC PORTER.

Witnesses:

S. J. VAN STAVOREN,
F. L. MOORE.