

(No Model.)

J. C. GUNN.
LAMP CHIMNEY.

No. 274,489.

Patented Mar. 27, 1883.

Fig-1-

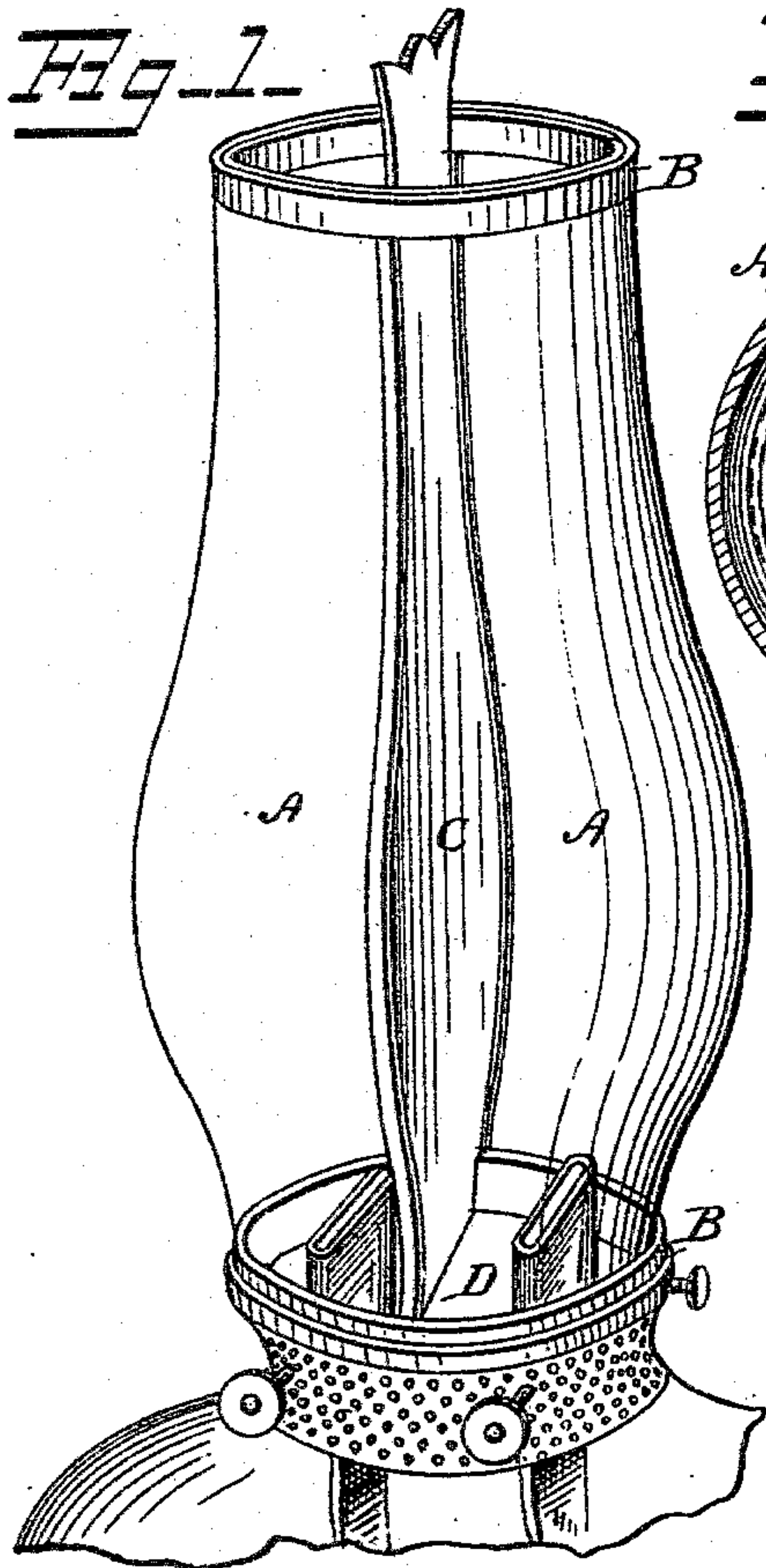


Fig-2-

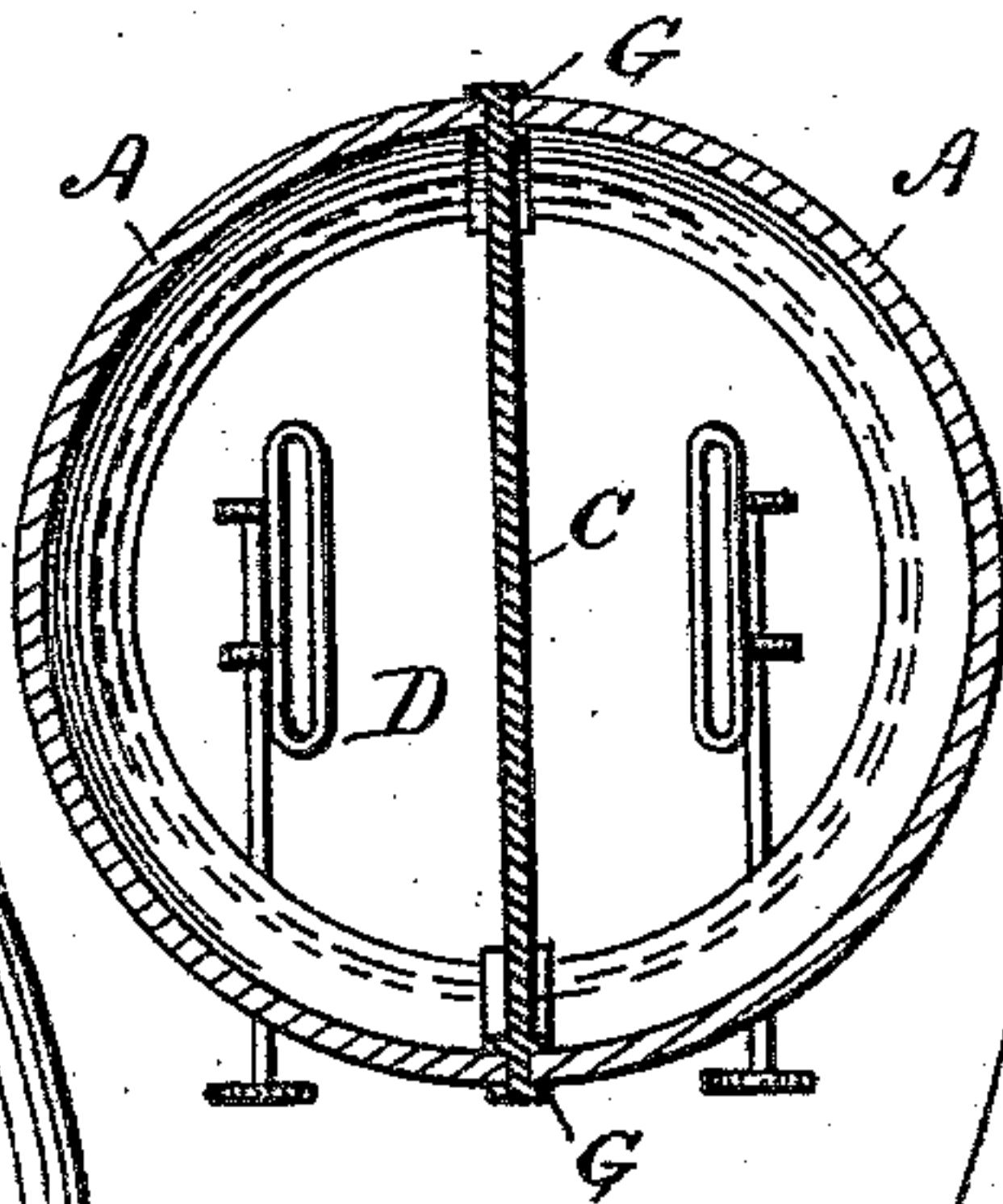


Fig-3-

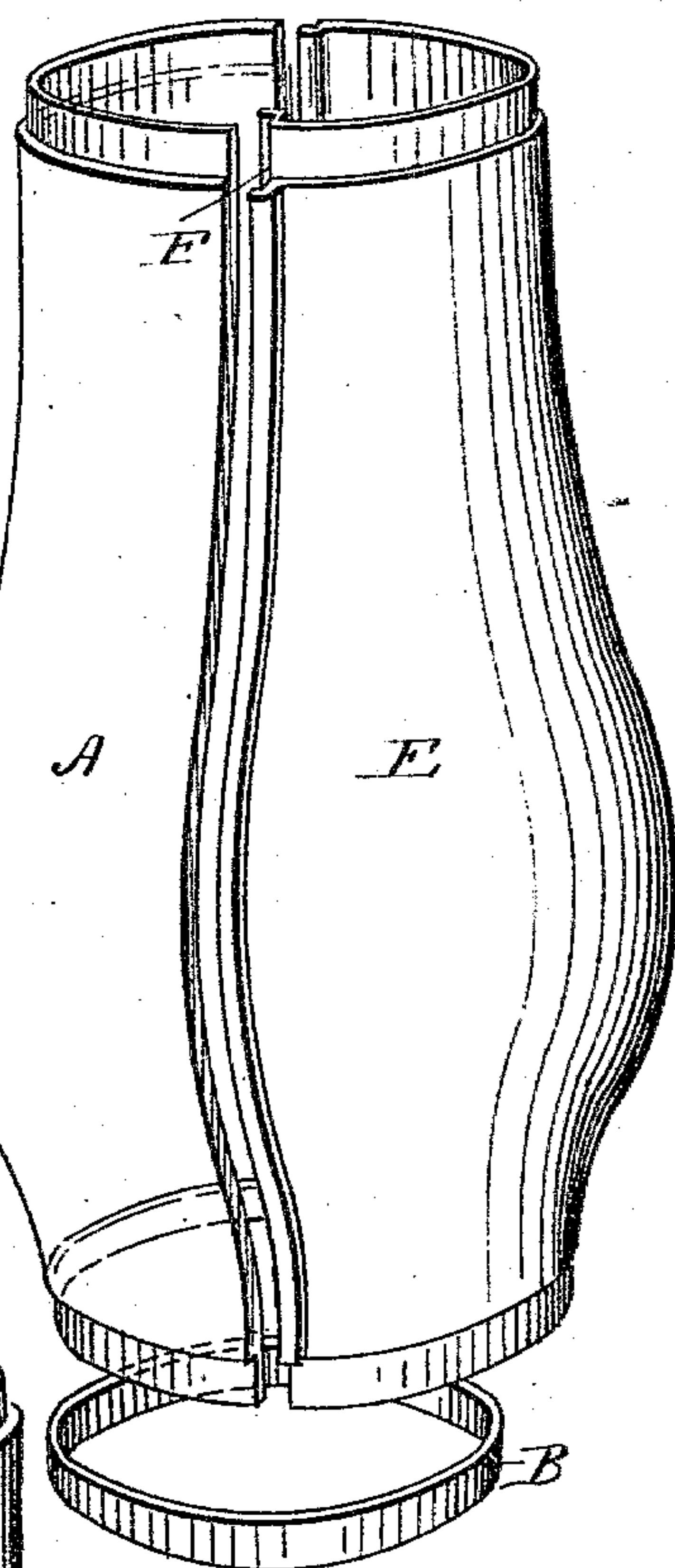
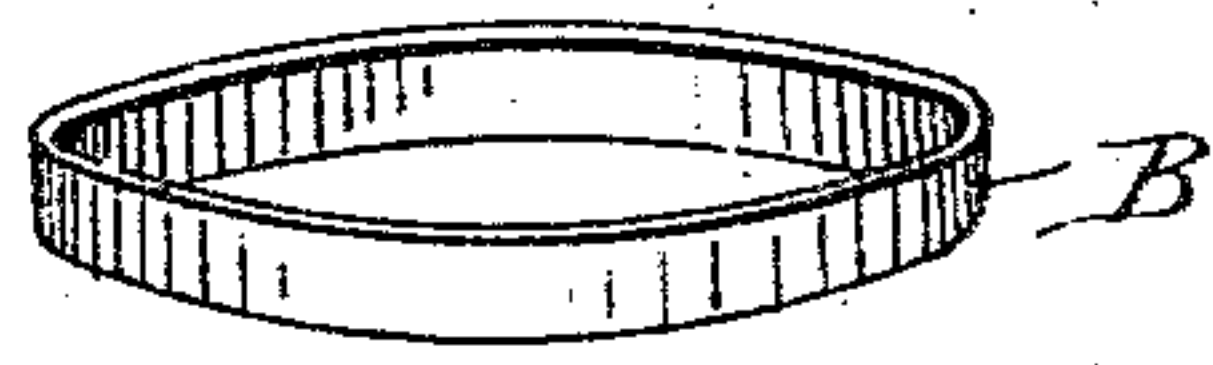


Fig-5-

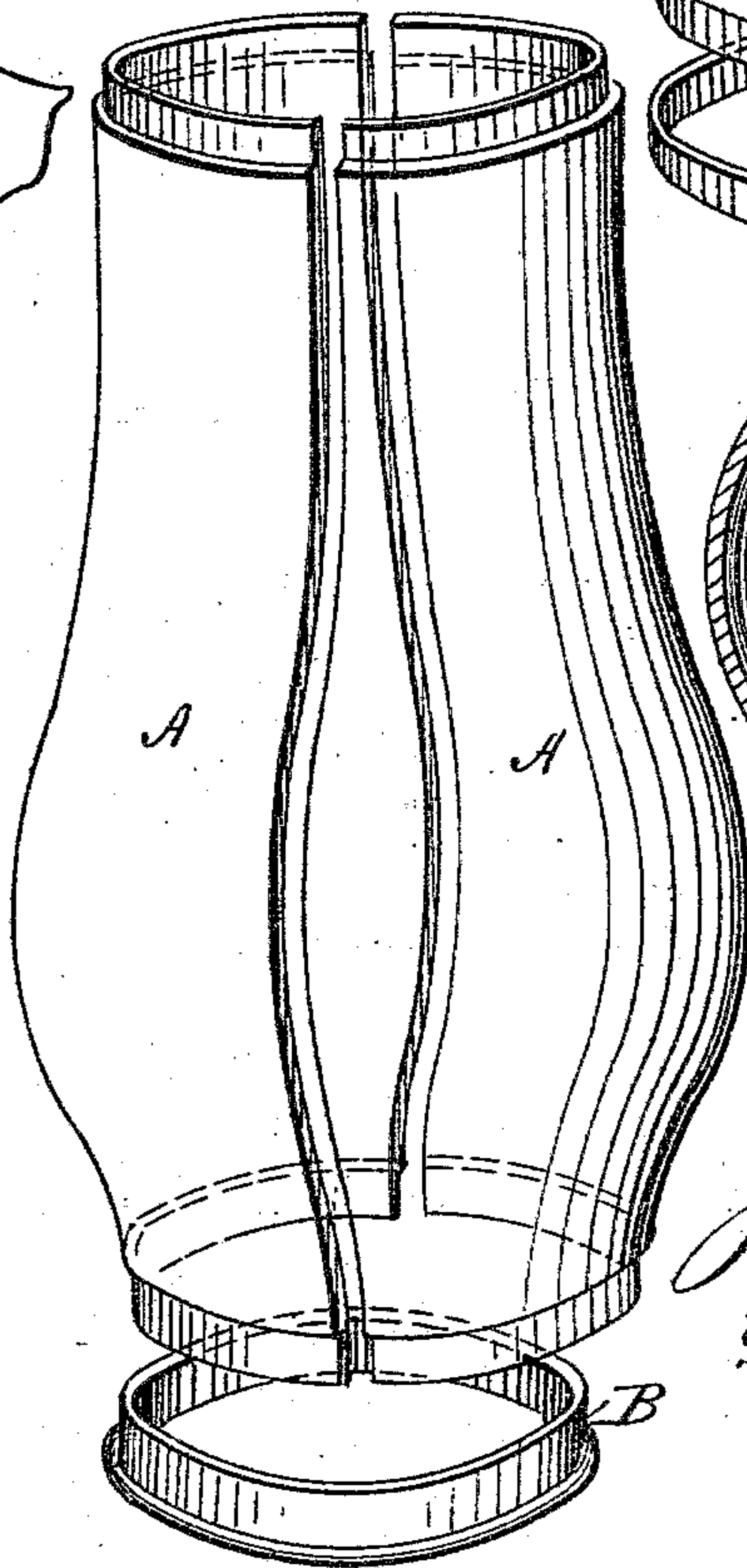


Fig-4-

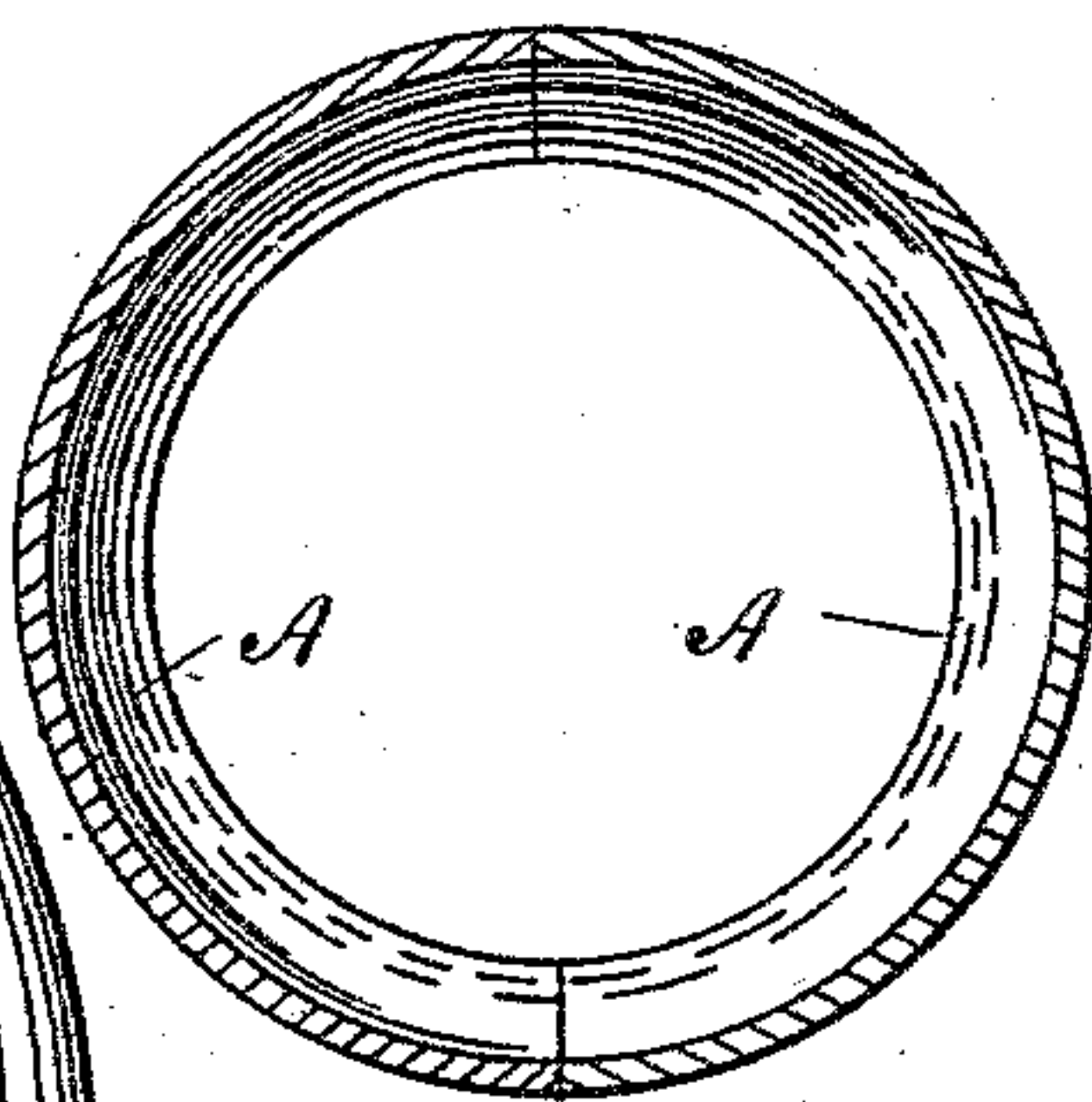
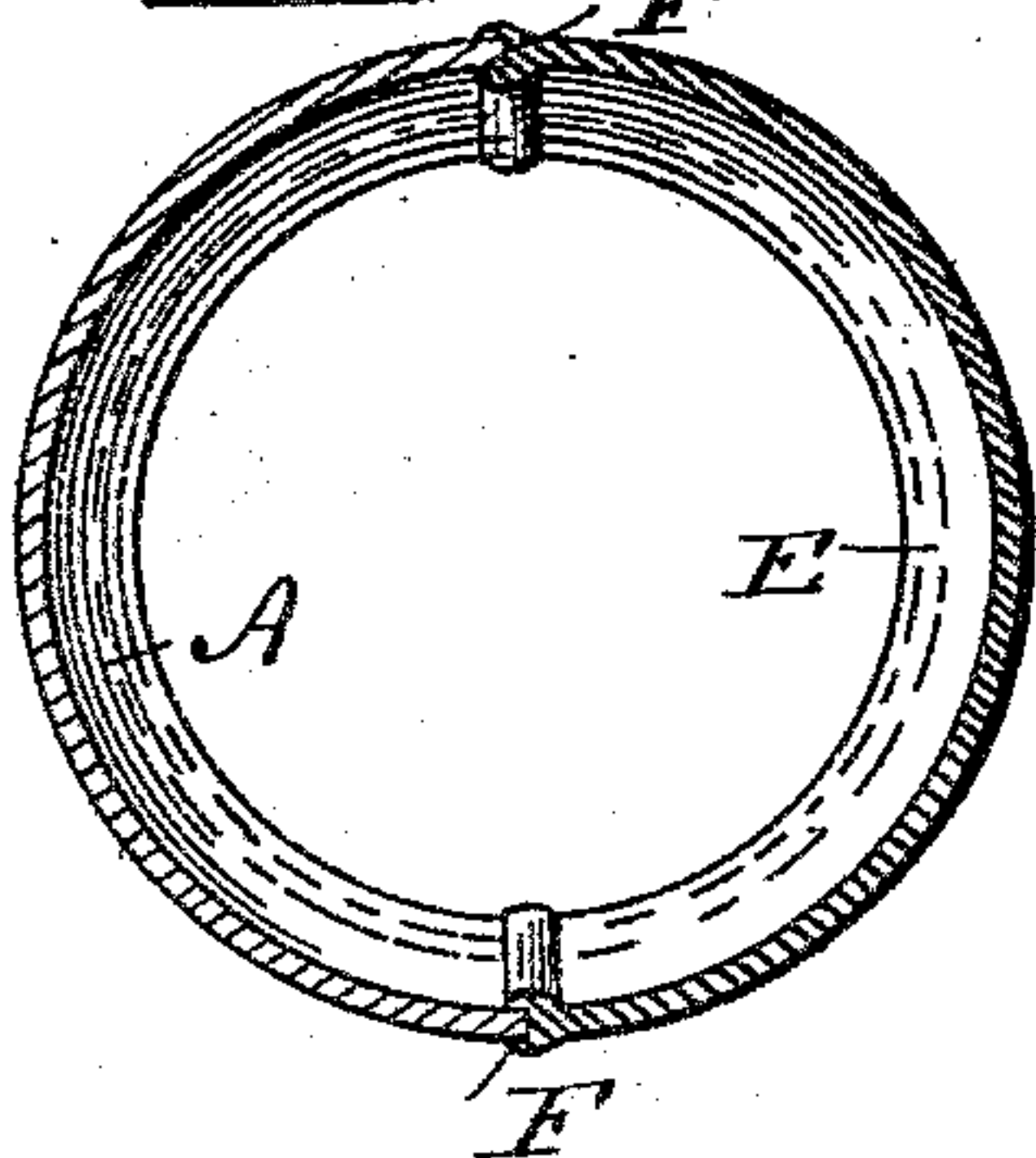


Fig-6-

WITNESSES

F. L. Curran
J. Reed Little

John C. Gunn,
INVENTOR
by *Wm. Snow & Co.*
Attorneys.

UNITED STATES PATENT OFFICE.

JOHN C. GUNN, OF KNOXVILLE, TENNESSEE.

LAMP-CHIMNEY.

SPECIFICATION forming part of Letters Patent No. 274,489, dated March 27, 1883.

Application filed February 5, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. GUNN, a citizen of the United States, residing at Knoxville, in the county of Knox and State of Tennessee, have invented a new and useful Lamp-Chimney, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to lamp-chimneys; and it consists in certain improvements in the construction of the same by which several important advantages are gained, all as will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, Figure 1 is a perspective view of one form of my improved lamp-chimney attached to the burner. Fig. 2 is a horizontal sectional view of the same. Fig. 3 is a perspective view showing a modification. Fig. 4 is a horizontal sectional view of the same. Fig. 5 is a perspective view showing another modification, and Fig. 6 is a horizontal sectional view of the latter.

The same letters refer to corresponding parts in all the figures.

My invention consists, essentially, of a lamp-chimney bisected vertically and consisting of two equal or nearly equal parts.

In Fig. 1 the said parts, which are denoted by letters A A, are represented as being made of glass and connected at the top and bottom by bands B B, which may be of metal, or of any other suitable material. Between the glass sections A A is interposed a partition, C, of metal, the sides of which are preferably brightly polished, so as to act as reflectors. This form of chimney is intended and adapted for burners of the kind represented in the drawings by letter D, which, it will be seen, is a double burner provided with two wicks fed by the same reservoir, but operated independently by separate wick-raising mechanism. It will be seen that one or both of these burners may be lighted at the same time. When both are lighted, the lamp will throw the light in two directions by reason of the central reflector, C; or either burner may be used successfully independently of the other.

In Figs. 3 and 4 of the drawings I have shown a modification which consists in omitting the central partition, C, and making one

of the halves or sections of the chimney, which is denoted by letter E, of metal, the inner side of which is brightly polished, so as to act as a reflector. The other section, A, is made of glass, as above. The parts are held together by the bands B B at the top and bottom, and I prefer to provide the edges of the metal section E with grooves F F, to receive the edges of the glass section A and hold the latter securely. In either case the lower edges of the parts or sections may be suitably creased or otherwise constructed for attachment to the burner.

In Figs. 5 and 6 of the drawings both parts or sections A A are constructed of glass, without any metallic partition interposed. The parts are held together by the bands B B, and form, when thus constructed, a plain vertically-bisected chimney.

In all the forms of my improved lamp-chimneys the connecting-band at the bottom may be dispensed with, and the screw, springs, or other lamp-fastening relied upon to hold the parts together. I may also find it desirable, when the central partition is used, to provide the said partition with flanges on both sides, as shown at G, to receive the edges of the glass sections, which are thus held securely, while at the same time a tight joint is formed.

The operation and advantages of my invention will be readily understood from the foregoing description, taken in connection with the drawings hereto annexed. The bisected chimney is not liable to break or crack, as contraction and expansion are allowed for. They may be manufactured cheaply, and may be shipped at much less expense than ordinary chimneys, as they may be packed closely together. The metallic partition and the metallic section both form excellent reflectors, and when the chimney having the partition is used with my double burner a brilliant light is secured.

I claim as my invention and desire to secure by Letters Patent of the United States—

1. A vertically-bisected lamp-chimney having a metallic partition interposed between the two parts or sections of which it is composed, substantially as set forth.

2. The combination, with a vertically-bisected lamp-chimney, of a metallic partition-plate

adapted to be interposed between the parts or sections forming the chimney, and having flanges on both sides to receive the edges of said parts or sections, substantially as set forth.

5 3. The combination, with a vertically-bisected lamp-chimney having a metallic partition interposed between its parts or sections, of a lamp-burner having two separate and independent wick-tubes, substantially as set forth.

10 4. The combination of a vertically-bisected lamp-chimney, a metallic partition interposed

between the parts or sections of the same, and metallic bands connecting the parts at the top and bottom, substantially as set forth.

In testimony that I claim the foregoing as 15 my own I have hereto affixed my signature in presence of two witnesses.

JOHN C. GUNN.

Witnesses:

JOS. R. MITCHELL,
F. C. RICHMOND.