

(No Model.)

C. J. MILLER.
ELECTRIC LAMP SHADE.

No. 486,729.

Patented Nov. 22, 1892.

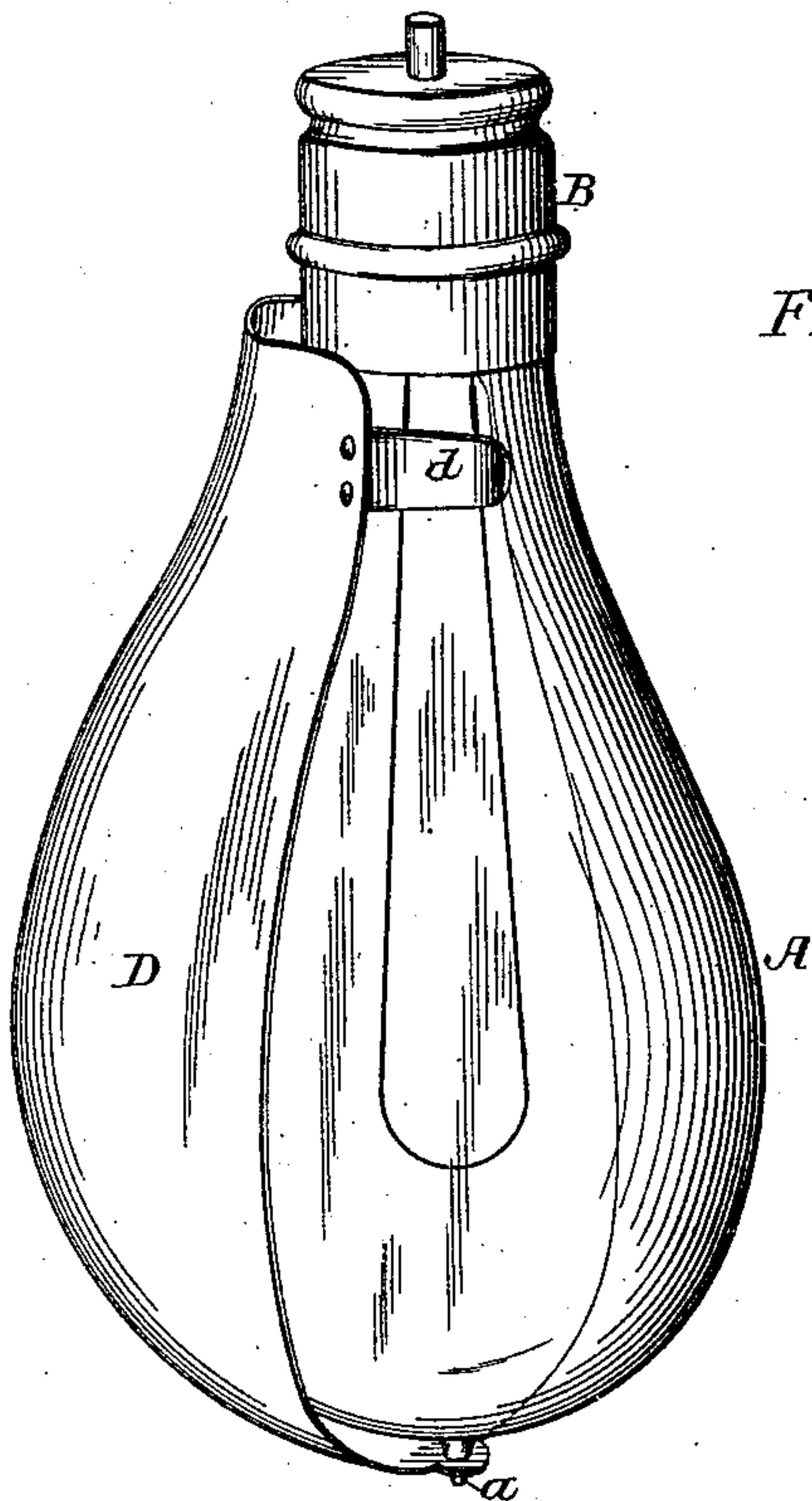


FIG. 1.

FIG. 2.

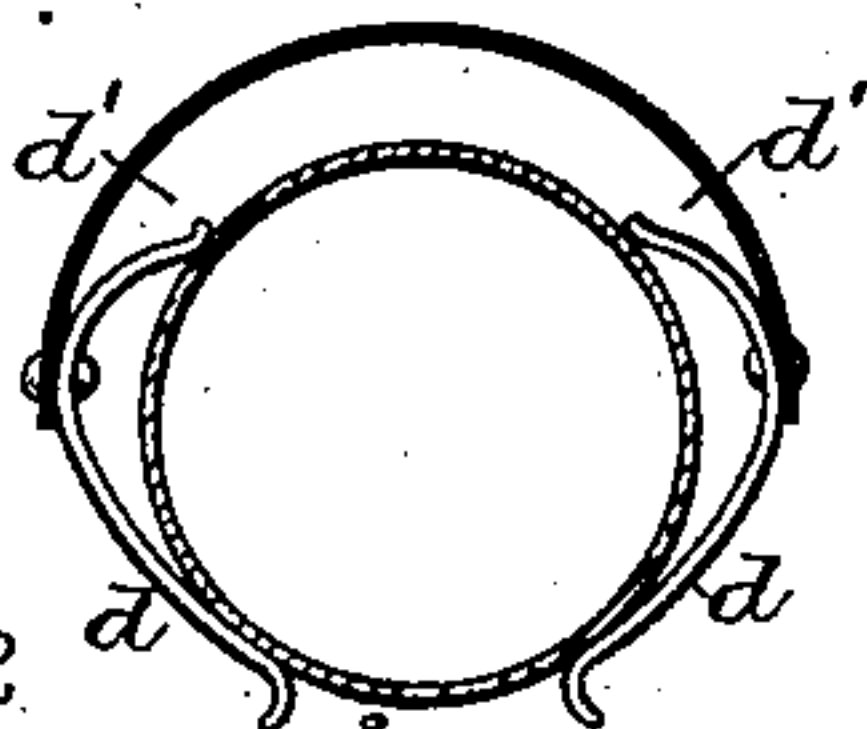
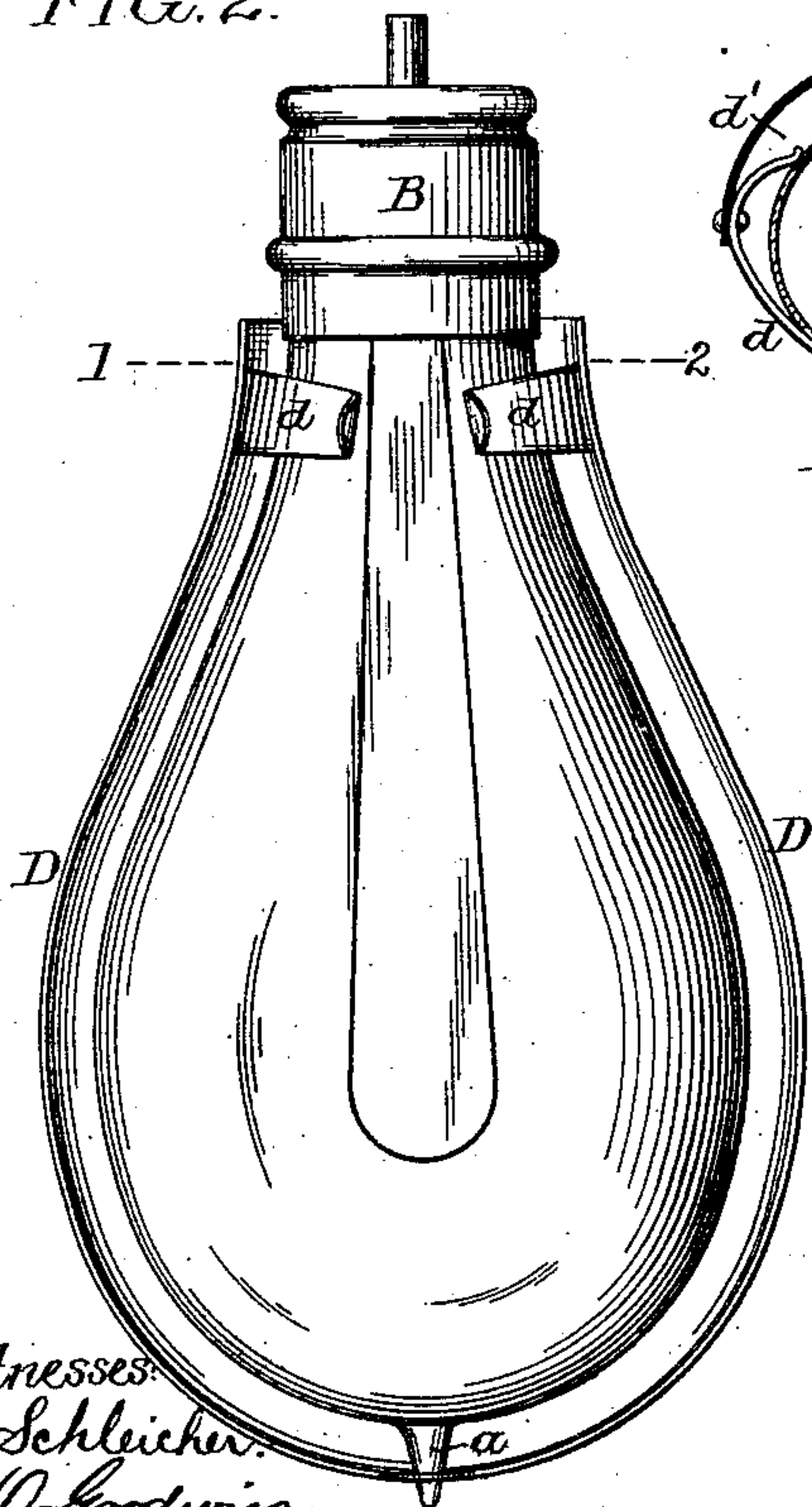
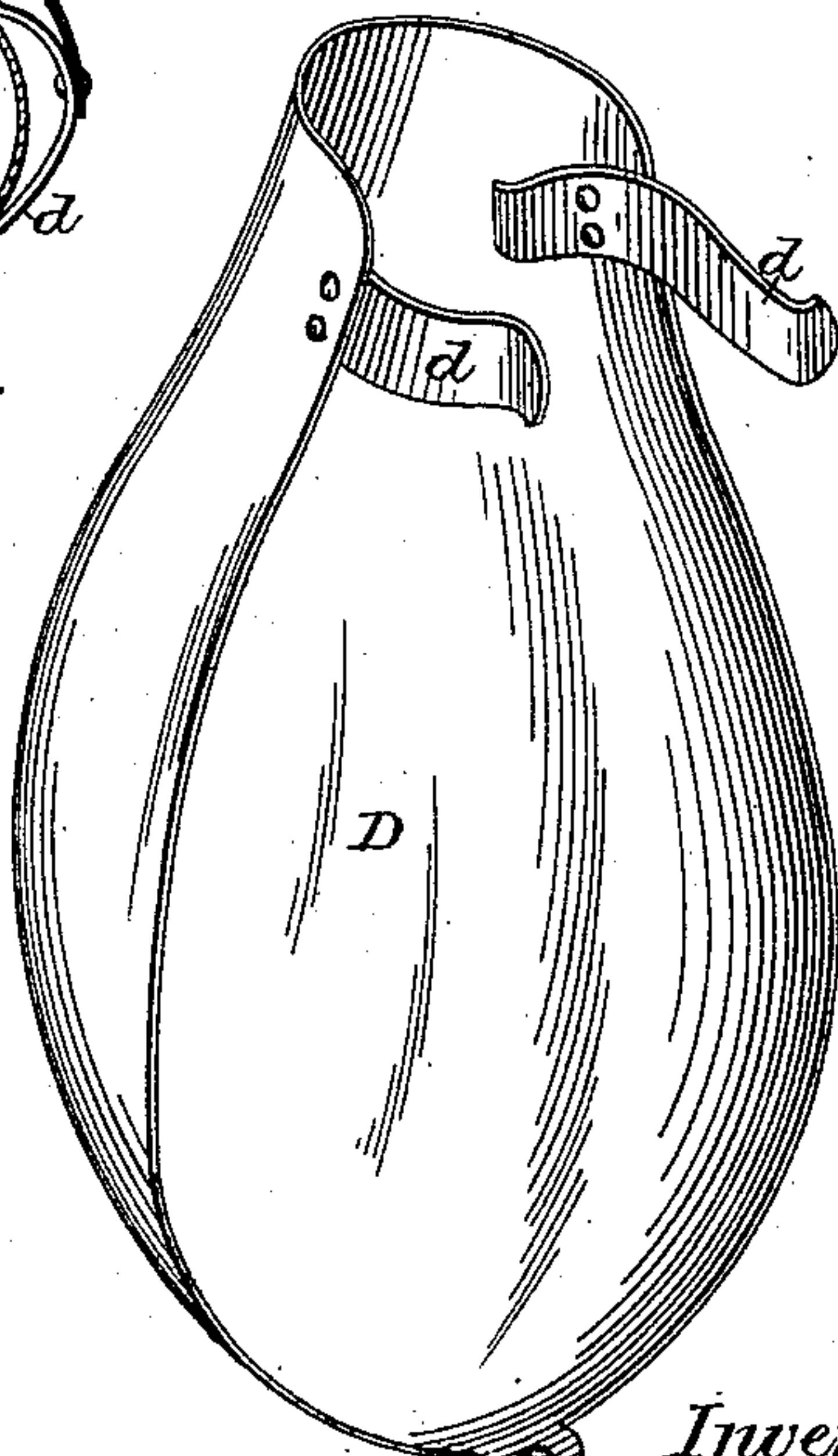


FIG. 3.

FIG. 4.



Witnesses:
R. Schleicher.
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Inventor:
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by his Attorneys
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UNITED STATES PATENT OFFICE.

CHARLES J. MILLER, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO THE
NOVELTY ELECTRIC COMPANY, OF SAME PLACE.

ELECTRIC-LAMP SHADE.

SPECIFICATION forming part of Letters Patent No. 486,729, dated November 22, 1892.

Application filed April 21, 1892. Serial No. 430,071. (No model.)

To all whom it may concern:

Be it known that I, CHARLES J. MILLER, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented
5 an Electric-Lamp Shade, of which the following is a specification.

The object of my invention is to provide an incandescent electric lamp with a shade or reflector that can be readily attached to the
10 glass of the lamp and moved thereon to any position, as required. This object I attain in the following manner, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of an incandescent electric lamp with the shade or reflector attached. Fig. 2 is a side view of the
15 lamp. Fig. 3 is a section on the line 1 2, Fig. 2. Fig. 4 is a perspective view of the shade or reflector detached from the lamp.

20 Electric-lamp shades are usually attached to the socket or to the frame of the fixture rather than to the lamp itself. Consequently it is very difficult and in most cases impossible to use the ordinary globe reflector above
25 the lamp with the shade.

I will describe my invention as a shade; but it will be understood that the inner portion of the shade may be painted white or coated with other reflecting material, so that
30 by turning the shade to the back of the lamp it can be used as a reflector.

A is the lamp, having the usual metal portion B, by which it is attached to the socket, and having the usual projection *a* formed
35 upon the glass of the lamp at the head of the bulb. This glass tip or projection is found upon lamps now in general use, and I avail myself of this tip to steady the lower end of the shade.

40 The shade conforms as near as possible to the shape of the lamp and is slightly larger than the lamp so that it will be free from the bulb portion. The lower end of the shade B is perforated at *b* for the reception of the projection *a*. The upper end of the shade has

two spring-fingers *dd*, which rest in the present instance upon the neck of the glass bulb slightly below the metal portion B of the lamp. These fingers have rear portions *d'*, which rest upon the lamp and keep the body
50 of the shade at the proper distance from the glass, so that there is a free space between the glass bulb of the lamp and the shade. By this means I can use any style of globe reflector upon the fixture with my improved
55 shade without one interfering with the other.

My improved shade can be readily removed when required by simply pulling it away from the globe at the top and dropping it slightly to detach it from the projection, the spring-
60 fingers yielding sufficiently to allow it to clear the neck of the lamp. The spring-fingers can be bent to fit any ordinary lamp.

I claim as my invention—

1. The combination of the bulb of an incandescent electric lamp having a projection
65 at its extremity with a shade engaging with said projection and engaging with the neck of the lamp, substantially as specified.

2. The combination of the bulb of an incandescent electric lamp having a projection
70 at its extremity with a shade having an orifice therein, through which is passed the projection on the bulb, said shade having fingers engaging with the neck of the lamp, substantially
75 as specified.

3. A shade for electric lamps, conforming in shape to the bulb of the lamp, perforated at the base to receive the projection on the bulb, and having at its opposite end spring-
80 fingers *dd* and rear extensions *d' d'*, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES J. MILLER.

Witnesses:

HERBERT PUSEY,
HENRY HOWSON.