

(No Model.)

W. C. BRYANT.
ELECTRIC LAMP BASE.

No. 574,301.

Patented Dec. 29, 1896.

FIG. 1.

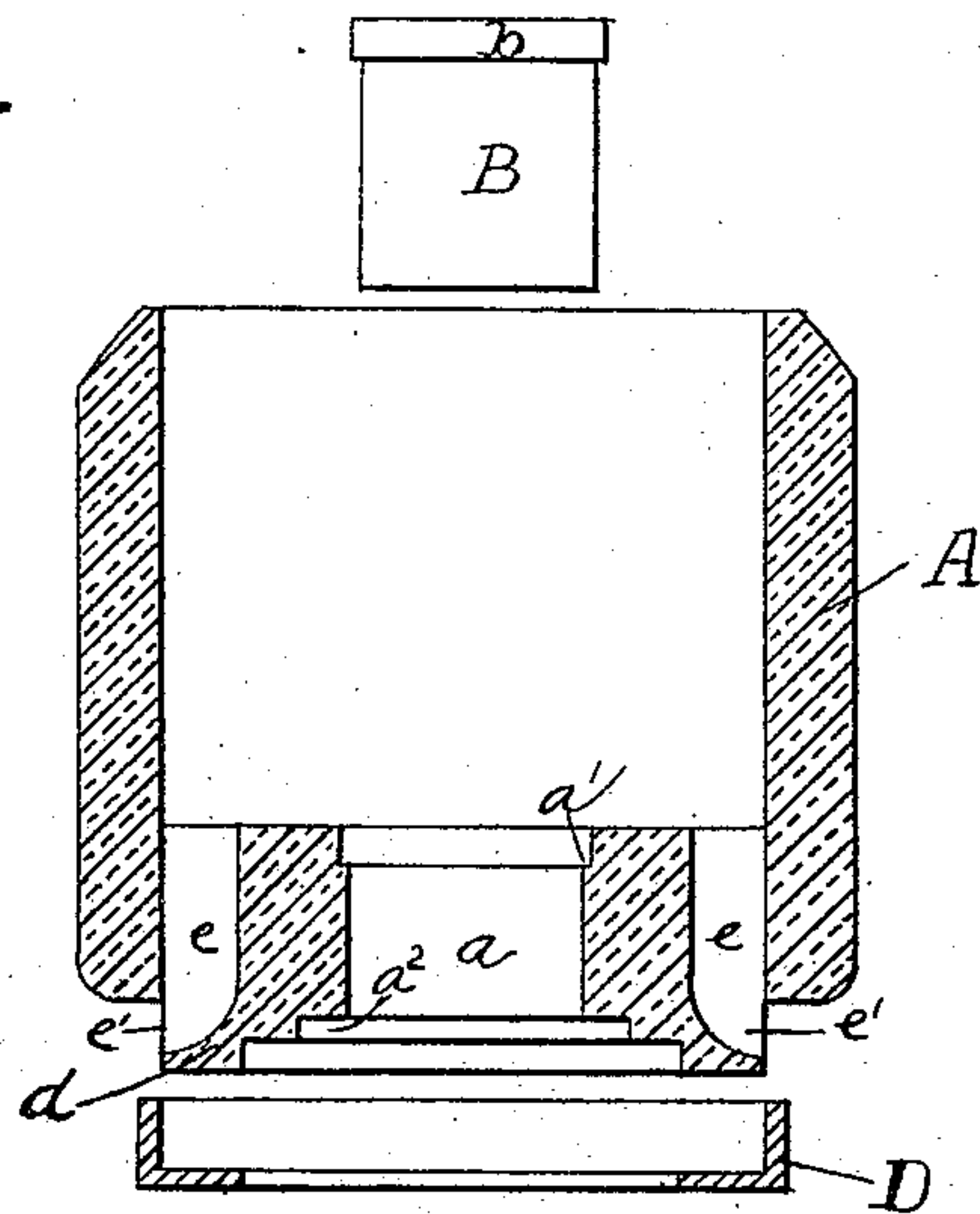


FIG. 2.

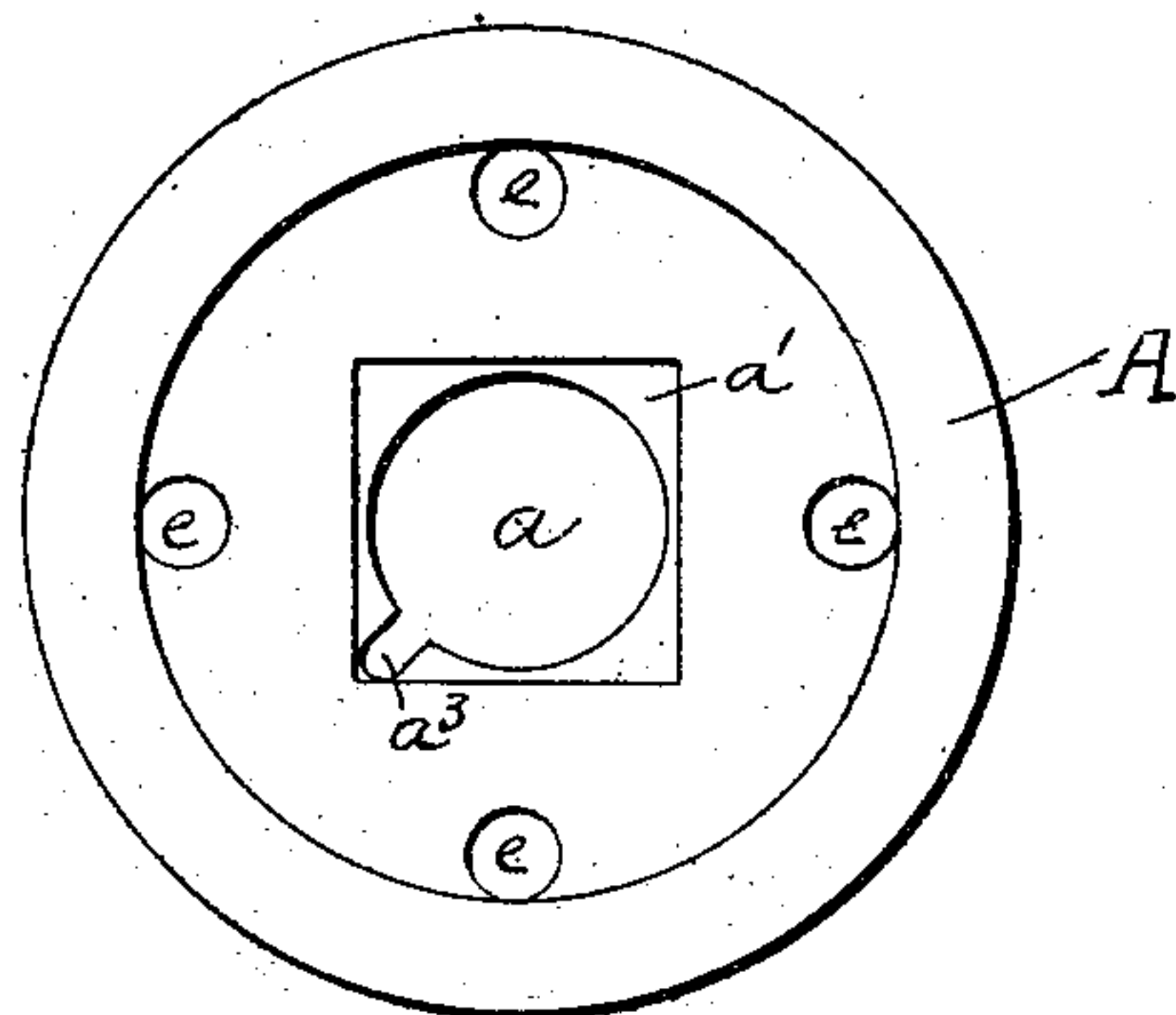
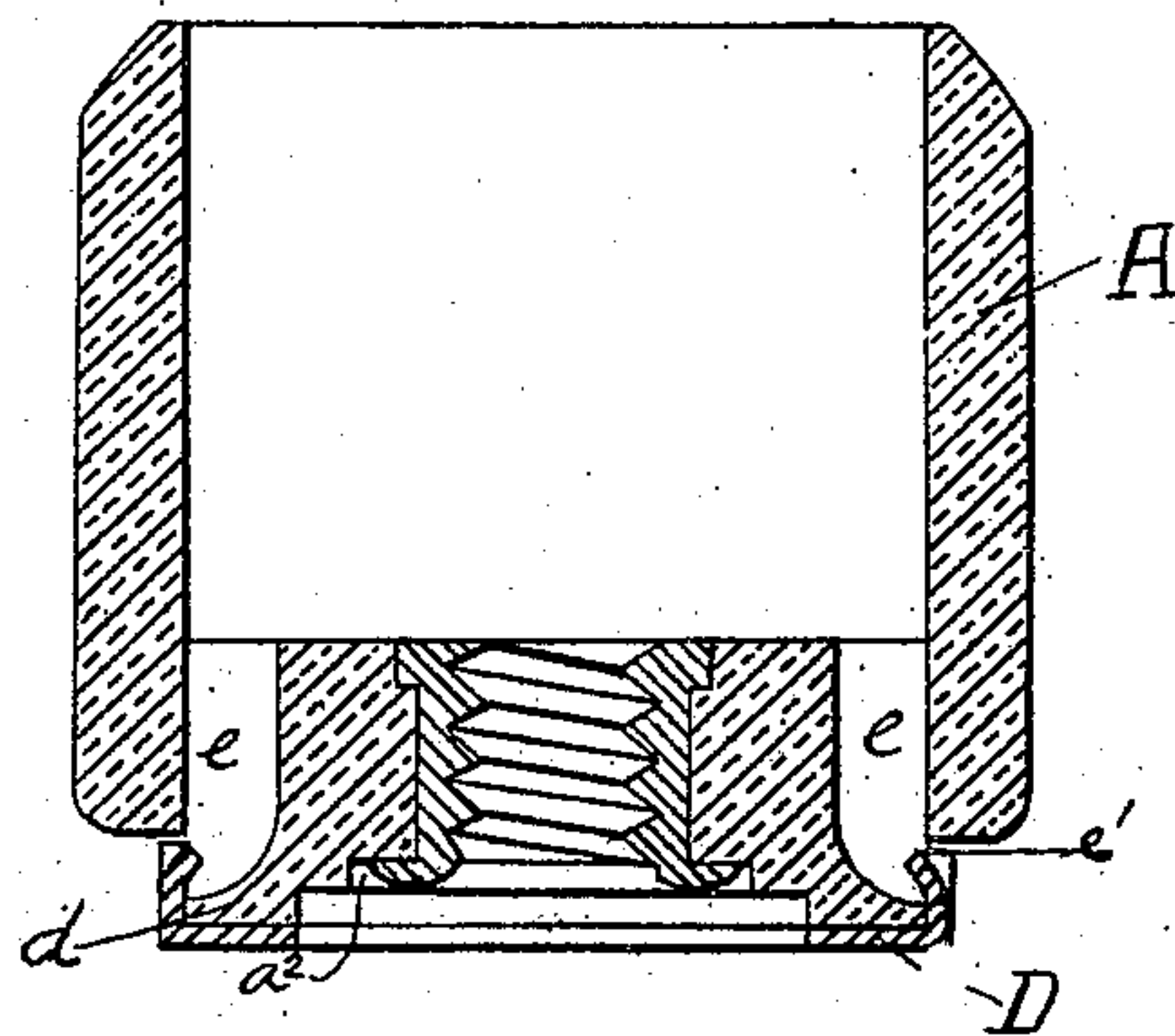


FIG. 3.



WITNESSES:

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WALDO C. BRYANT, OF BRIDGEPORT, CONNECTICUT.

ELECTRIC-LAMP BASE.

SPECIFICATION forming part of Letters Patent No. 574,301, dated December 29, 1896.

Application filed October 31, 1896. Serial No. 610,737. (No model.)

To all whom it may concern:

Be it known that I, WALDO C. BRYANT, a citizen of the United States of America, residing in Bridgeport, Fairfield county, State of Connecticut, have invented Improvements in Electric-Lamp Bases, of which the following is a specification.

My invention has more particular reference to incandescent-electric-lamp bases of the Thomson-Houston type, with a central terminal and an outer ring-terminal; and the object of my invention is to so construct the lamp-base that the body of it may be made of porcelain or other such suitable material in such a way that the terminals will be securely held in place.

In the accompanying drawings, Figure 1 is a sectional view, drawn to an enlarged scale, of the body of the lamp-base with the terminals before they are secured thereto and before the base is placed on the lamp. Fig. 2 is a plan view of the base-body; and Fig. 3 is a sectional view showing the metallic terminals secured in place on the base, the latter not being shown on the incandescent electric lamp.

The body A of the lamp-base is to be made of porcelain or other such suitable material and consists of a hollow cylinder open at the top to receive the usual contracted neck of the electric-incandescent-lamp globe through which the leading-in wires of the lamp-circuit pass. This cylindrical base is closed at the bottom, but this bottom has a central aperture *a* for the securing therein of the usual tubular screw-threaded terminal employed in the Thomson-Houston electric-incandescent-lamp socket. In the present instance this terminal B has a flange *b* at its upper edge, which is of an outline to fit a corresponding polygonal recess *a'* around the top of the central opening *a*, the outline of the flange of the recess being in the present instance square, as shown in Fig. 2.

On the lower face of the bottom of the lamp-base, around the opening *a*, is a recess *a²* of any suitable outline, and into this recess the lower end of the tubular piece B is flanged out by a suitable tool, as illustrated in Fig. 3. The polygonal shape of the flange at the up-

per end of this terminal and the corresponding shape of the recess *a'* hold the terminal from any turning motion which might otherwise be imparted to it on screwing up or unscrewing the lamp into its socket. A suitable vertical groove *a³* may be provided in the wall of the opening *a* for the reception of the leading-in wire of the lamp, to be soldered to the terminal B.

The annular terminal of the lamp-base consists of a flanged ring D, as shown in Figs. 1 and 3, adapted to fit over the reduced lower end of the lamp-base. The diameter of this reduced lower end is about the same as or less than the internal diameter of the hollow base A, and I so construct that part of the mold which is to form the hollow of the cylindrical base with a number of pins (four in the present instance) close to the outer walls that perpendicular holes *e* will be formed in the bottom of the hollow base and extending into the reduced lower end *d* of the lamp-base, with the result of producing lateral openings *e'* in the reduced end of the lamp-base, as seen in Figs. 1 and 3, and this without complicating the construction and operation of the dies of the mold. These lateral openings *e'* are such that when the flanged ring-terminal D has been slipped into place on the reduced end of the lamp-base the flange of the ring can be indented into these lateral openings, as shown in Fig. 3, to firmly secure the ring in place.

I claim as my invention—

A Thomson-Houston incandescent-electric-lamp base of porcelain or other such material having a reduced lower end for the reception of a flanged ring-terminal and passages extending from the interior of the hollow base to the reduced end to form lateral openings in the latter, into which the ring-terminal can be indented, all substantially as and for the purpose described.

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

WALDO C. BRYANT.

Witnesses:

EDITH J. GRISWOLD,
F. WARREN WRIGHT.