(No Model.)

W. C. BRYANT.

ELECTRIC LAMP BASE.

No. 574,301. Patented Dec. 29, 1896.

FIG. 1.

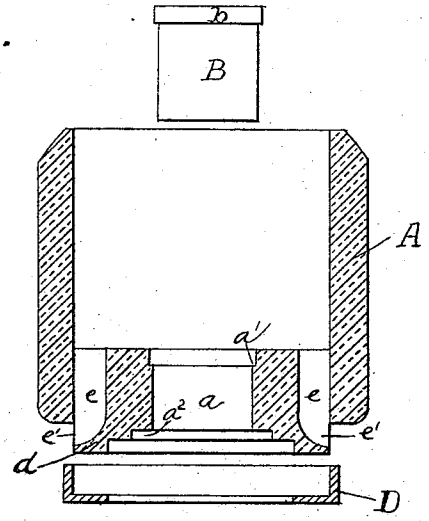


FIG. 2.

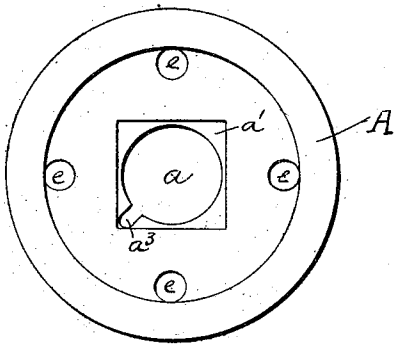
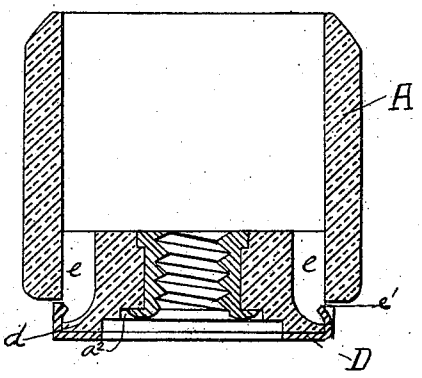


FIG. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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 a^2 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 upper 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 a^3 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.