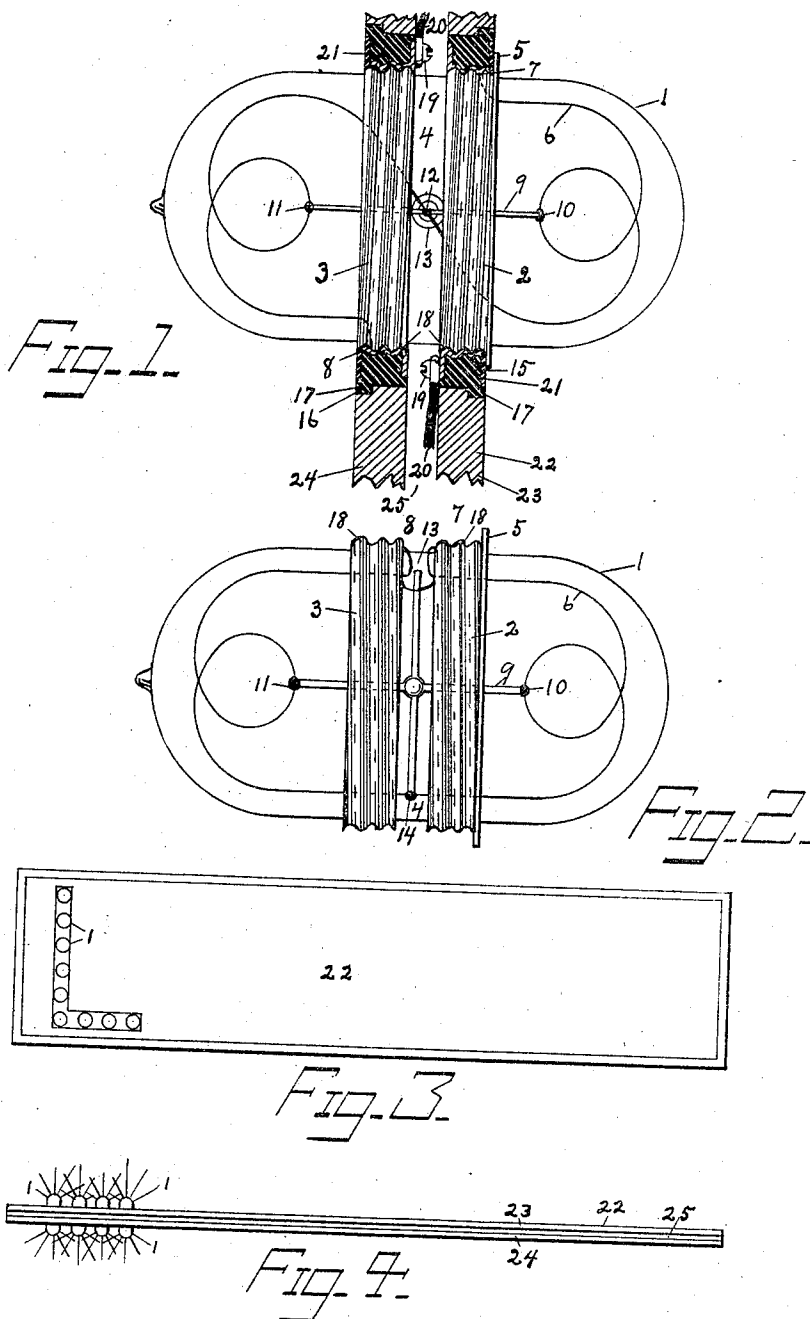


B. SETTECASE.
DOUBLE ENDED ELECTRIC LAMP.

APPLICATION FILED MAR. 6, 1911. RENEWED MAR. 21, 1912.

1,044,825.

Patented Nov. 19, 1912.



WITNESSES:
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UNITED STATES PATENT OFFICE.

BIAGIO SETTECASE, OF LOUISVILLE, KENTUCKY.

DOUBLE-ENDED ELECTRIC LAMP.

1,044,825.

Specification of Letters Patent.

Patented Nov. 19, 1912.

Application filed March 6, 1911, Serial No. 612,594. Renewed March 21, 1912. Serial No. 685,370.

To all whom it may concern:

Be it known that I, BIAGIO SETTECASE, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Improvement in Double-Ended Electric Lamps, of which the following is a specification.

This invention relates to electric lighting, and some of the objects of my improvement are, simplicity of construction and operation, to show light on both sides of a sign or partition with a single lamp, to save lamps, to save current, to save labor and expense in installation; and saving in maintenance. These and other objects I attain by means of the structure illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the lamp and a sectional detail view of the socket and a fragment of a sign or partition; Fig. 2, a side elevation of the lamp with a modification of the filament; Fig. 3, a side elevation of a sign with lamps applied; and Fig. 4 is a top plan view of Fig. 3.

Similar reference numbers refer to similar parts throughout the several views of the drawings.

The globe, 1, is preferably cylindrical in cross section at its middle and substantially hemispherical at each end. The globe is thus axially transparent.

Two cylindrical screw threaded rings, 2 and 3, are secured on the cylindrical middle portion of globe 1, an insulating space, 4, being left between them. One of these rings, 2, is provided with a stop flange, 5, which serves to limit the inward movement of the lamp when screwed into its socket and determine the symmetrical positioning of the lamp in a sign or partition.

The filament, 6, may be connected by one of its ends to ring 2 at 7, by means of the conventional platinum wire which is sealed in the glass of the globe, and by its opposite end to ring 3 at 8, in the same manner. It may be held by a support, 9, at 10, 11, and 12. The support 9 may be secured to the glass by inserting in a lug, 13.

In the modification, Fig. 2, the connections for the filament pass through lug 13 and are secured to the rings 2 and 3 immediately at the lug, and the filament is supported at 10, 11, and 14. The filament may be arranged in any suitable manner. The rings 2 and 3 form the poles for the lamp.

A two part socket is provided, comprising sockets, 15 and 16, arranged in axial alignment, or a single socket, 15, may extend entirely across both rings 2 and 3. The socket 15 comprises an insulating bushing, 17, made preferably of porcelain, and a metal lining, 18, made preferably of sheet metal. A screw, 19, or other suitable means for connecting wires, 20, is provided in electrical connection with lining 18. In the front wall of bushing 17 is secured a soft rubber washer, 21, which forms a protecting face and serves to prevent breaking the lamp if it should strike against the socket while being inserted.

A sign, 22, for receiving the lamps, is preferably made with two walls, 23 and 24, with a space, 25, left between them. The wires 20 may be applied between the walls 23 and 24, in space 25 and thus be concealed and protected.

It will be understood that the lamp may be inserted in the socket from either side, and is stopped in proper symmetrical and operative position by flange 5 engaging washer 21.

Having thus described my invention, so that any one skilled in the art pertaining thereto may understand its construction and use, I claim—

1. An incandescent electric lamp, comprising a double-ended globe, and a pair of pole rings secured around the middle portion of said globe.

2. An incandescent electric lamp, comprising a double-ended globe, a pair of pole rings secured around the middle portion of said globe, and a filament having an end connected with each of said pole rings.

3. An incandescent electric lamp, comprising a double-ended globe, a pair of pole rings around the middle portion of said

globe, and a stop flange on the outer edge of one of said pole rings.

4. An incandescent electric lamp, comprising a double-ended globe, a pair of threaded pole rings secured on the middle portion of said globe, and a double socket, provided with a threaded pole ring corresponding

with and providing electrical connecting for each of said pole rings.

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Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."