

F. WEBB.
LAMP.

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968,502.

Patented Aug. 23, 1910.

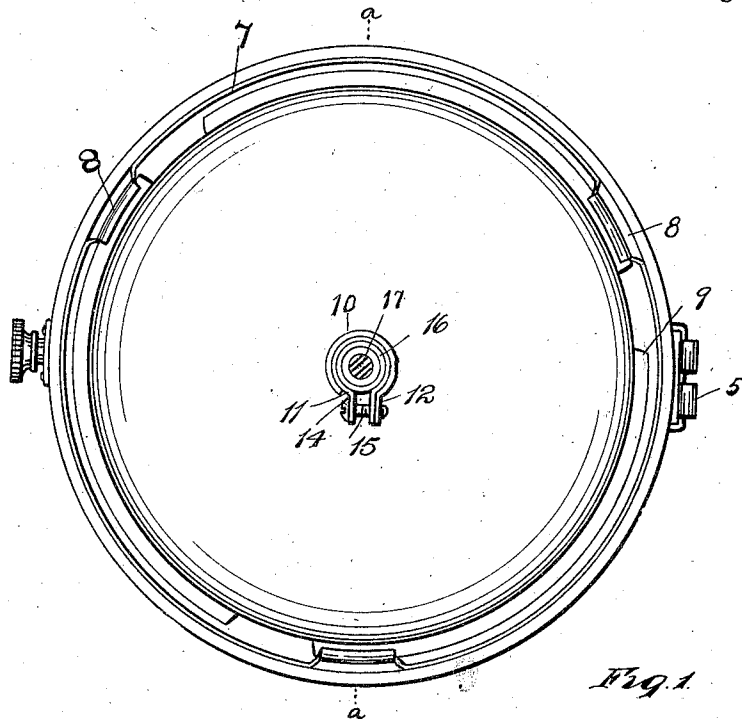


Fig. 1.

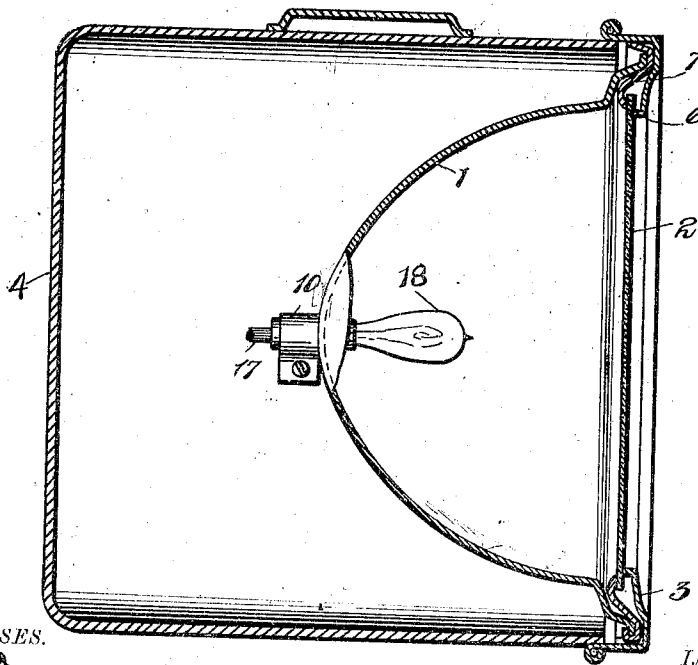


Fig. 2.

WITNESSES.

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UNITED STATES PATENT OFFICE.

FLOYD WEBB, OF DETROIT, MICHIGAN, ASSIGNOR TO THE MILLER, SPRAGUE, WALDO MANUFACTURING COMPANY, OF DETROIT, MICHIGAN, A CORPORATION OF MICHIGAN.

LAMP.

968,502.

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To all whom it may concern:

Be it known that I, FLOYD WEBB, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Lamps, and declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to lamp reflectors. It has for its object an improved means of securing the reflector in the lamp casing, and of securing and adjusting the light in the reflector.

In the drawings:—Figure 1, is an elevation showing the inside of the lamp door, and the back or non-reflecting side of the reflector bell connected thereto. Fig. 2, is a vertical, longitudinal section through the axis of the lamp along the line *a-a*, Fig. 1.

The reflector is metallic and of a parabolic character, consisting of a bell shaped cup 1, of metal, polished on the inside and silvered and protected by a glass 2, which forms part of the door 3 of a protecting case 4. The door is hinged to the case by hinge 5, and consists of an annular frame containing a circular glass. The annular frame is grooved on its rear or inside surface, and the glass 2 engages against the edge 6 of the frame, and is held thereto by a ring 7 laid in the groove, with an edge at the rear of the glass, and soldered or otherwise secured to the frame. The ring 7 is provided at intervals with lips 8 that extend to the rear of the general surface of the ring and overlap it. These are preferably formed by cutting the ring with projecting parts that are bent inward toward the center of the ring, and thus form overhanging lips 8. The rim of the reflector 1 is provided at intervals that correspond to the lips 8 with notches 9 which allow the reflector to be placed with its edge in the groove of the ring, and with the integral part of the ring in engagement with the bottom of the groove, and the notches straddling the lips, after which the entire reflector is shifted on

its axis until the integral part of the rim engages under the lips 8, and the reflector is securely held in place.

At the extreme rear of the reflector is secured a split tube 10, which serves as a guard for the spring member 11. The split tube 10 has a projecting ear 12, and to this is secured the end of the curved spring 11 with a curvature that enables it to be inserted inside the guard 10. The end 14 of the spring extends in parallel relation with the extension or ear 12, and a screw 15 inserted through the extension 14 and through both the spring and ear 12 holds them about the socket 16, which constitutes the terminal of the electric conductor 17 and the receptacle for the light 18. The filament of the light is arranged to be brought as nearly as possible to the focus of the reflector by the general construction and may be adjusted to a very close approximation of the true focus by adjusting the socket through the spring, after which the spring is tightened down and the socket is held in place.

What I claim is:—

1. In a reflector lamp, a combination of a glazed door hinged to the case thereof, and provided with overhanging holding portions at the rear of the door, a reflector provided with notches adapted to engage over the overhanging portions and with an integral portion arranged to engage under the overhanging portions of said door, substantially as described.

2. In combination with a reflector provided with an opening for the insertion of a light on its axis, a socket member, a split ring guard extending about a portion of said socket member to the rear of the reflector, a spring member secured within the guard, and means for contracting the spring whereby pressure may be applied to said socket member to adjustably hold it in desired projected position with respect to the reflector, substantially as described.

In testimony whereof, I sign this specification in the presence of two witnesses.

FLOYD WEBB.

Witnesses:

WILLIAM M. SWAN.
VERA PILLMAN.