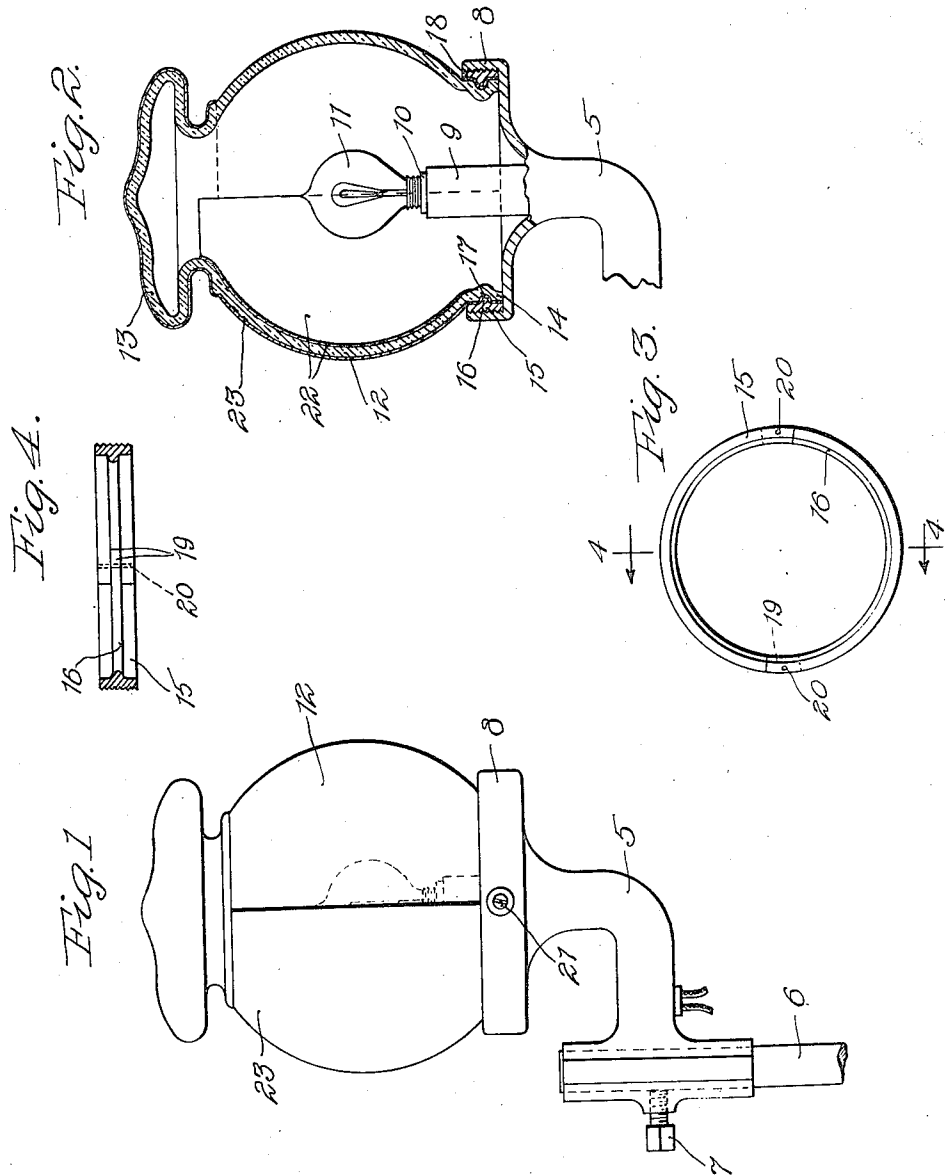


F. C. PARSCHE.
 AUTOMOBILE LAMP.
 APPLICATION FILED JULY 18, 1910.

1,042,473.

Patented Oct. 29, 1912.



Witnesses
 George C. Higham.
 Leonard W. Novander

Inventor
 Frank C. Parsche
 By *Brown & Williams*
 Attorneys

UNITED STATES PATENT OFFICE.

FRANK C. PARSCHE, OF CHICAGO, ILLINOIS, ASSIGNOR TO F. X. PARSCHE & SON COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

AUTOMOBILE-LAMP.

1,042,473.

Specification of Letters Patent.

Patented Oct. 29, 1912.

Application filed July 18, 1910. Serial No. 572,420.

To all whom it may concern:

Be it known that I, FRANK C. PARSCHE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Automobile-Lamps, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to lamps, and, while it has quite general application, is particularly concerned with automobile lamps, such as are used for headlights, and other lamps which are exposed to the weather.

Broadly, my invention resides in the arrangement for reflecting and projecting the light and, since in structures of this kind it is the primary object to provide for the thorough protection of the light, in embodying the particular reflecting arrangement in a one-piece globe, part of which is preferably opaque.

My invention further resides in the arrangement for securing a positively weather-proof construction, all this being consistent with the features of my invention above pointed out.

My improved reflecting arrangement comprises a layer of reflecting material applied to and carried directly on the surface of the protecting globe, it being understood, of course, that only that part of the globe in back of the light is so treated.

Furthermore, my invention comprises a layer of weather-proof opaque paint applied to the outside of the globe, particularly opposite the layer of reflecting material and wherever else it is deemed desirable.

Those features of my invention which provide for the weather-proof construction comprise an arrangement for securely connecting the globe and a metallic bracket in such a way that it is impossible for moisture to find its way to the interior.

My invention is embodied in the structure illustrated in the accompanying drawing, in which—

Figure 1 is a side elevational view thereof; Fig. 2 is a central vertical sectional view thereof; Fig. 3 is a view of the clamping ring, which will be described in detail; and Fig. 4 is a cross-sectional view of the ring taken on the plane of the line 4—4 of Fig.

3, looking in a direction indicated by the arrows.

Like reference numerals are applied to the same parts throughout the various figures.

As shown in Fig. 1, an angle bracket 5 is mounted upon a standard 6, and is held in any adjusted position by a set-screw 7. The bracket 5 terminates in a cup 8, which is internally screw-threaded and, as shown in Fig. 2, is provided with a central support 9 carrying a socket 10 for the reception of the threaded base of an incandescent lamp 11. The globe 12 is of glass and is of general spherical shape, having the closed head 13 and the rim 14 at its open bottom. The rim 14 is adapted to be surrounded by the clamping ring 15, the latter having an internal bead 16 which engages in an annular groove 17 in the rim 14, a gasket 18 of cork or rubber preferably intervening between the ring and the rim, as clearly illustrated in Fig. 2. The ring 15, as illustrated in Figs. 3 and 4, is made up of two parts which are joined together by tenon and mortise joints 19—19 in cooperation with the pins 20—20. After the gasket 18 has been put in place the two halves of the ring may be applied thereto, and after being pressed tightly in position the pins 20—20 may be inserted in registering openings. The exterior of the ring 15 is screw-threaded so that it may fit into the cup 8, a set-screw 21 being provided to secure the ring, and the globe carried thereby, in any desired position.

As illustrated in Fig. 2, the rear half of the inside of the globe is provided with a layer 22 of reflecting material, either silver or platinum, or any other suitable substance. The outside of the globe, in back of the reflecting layer 22, is provided with a layer 23 of opaque vitrified weather-proof paint which extends over the head 13, as illustrated in the drawings.

It is seen that a simple and efficient structure is secured. There are no parts to become dislocated or disarranged, and the light is reflected and directed alone by the application of the reflecting material upon the inside of the globe and the relative disposition of the opaque material upon the outside of the globe. The globe, reflector, and opaque covering are practically integral, and so form a structural unit which has heretofore required a number of parts. The reflecting material may be applied to the

inside of the globe in any suitable manner while in a working state, and may then be set in any suitable manner so as to become permanent, it being clear, of course, that, 5 in the broader aspect of my invention, the reflecting material may be applied to the outside of the globe.

I claim as new and desire to secure by Letters Patent:

10 In combination, a substantially spherical integral globe open only at the bottom, reflecting material applied directly upon the inside of the rear half of said globe, the outside of the rear half of said globe being 15 covered with opaque material and the front half being transparent, a support upon which the bottom of said globe is secured,

a standard secured to said support and extending into said globe, an incandescent electric lamp socket carried by said stand- 20 ard, and an incandescent electric lamp located at the center of said globe and screwed in said socket, the rays from the lamp being thus adapted to strike said reflecting material directly and immediately and being re- 25 flected through the transparent front of said globe.

In witness whereof, I hereunto subscribe my name this 14th day of July, A. D. 1910.

FRANK C. PARSCHE.

Witnesses:

ARTHUR H. BOETTCHER,
L. E. HANNEN.