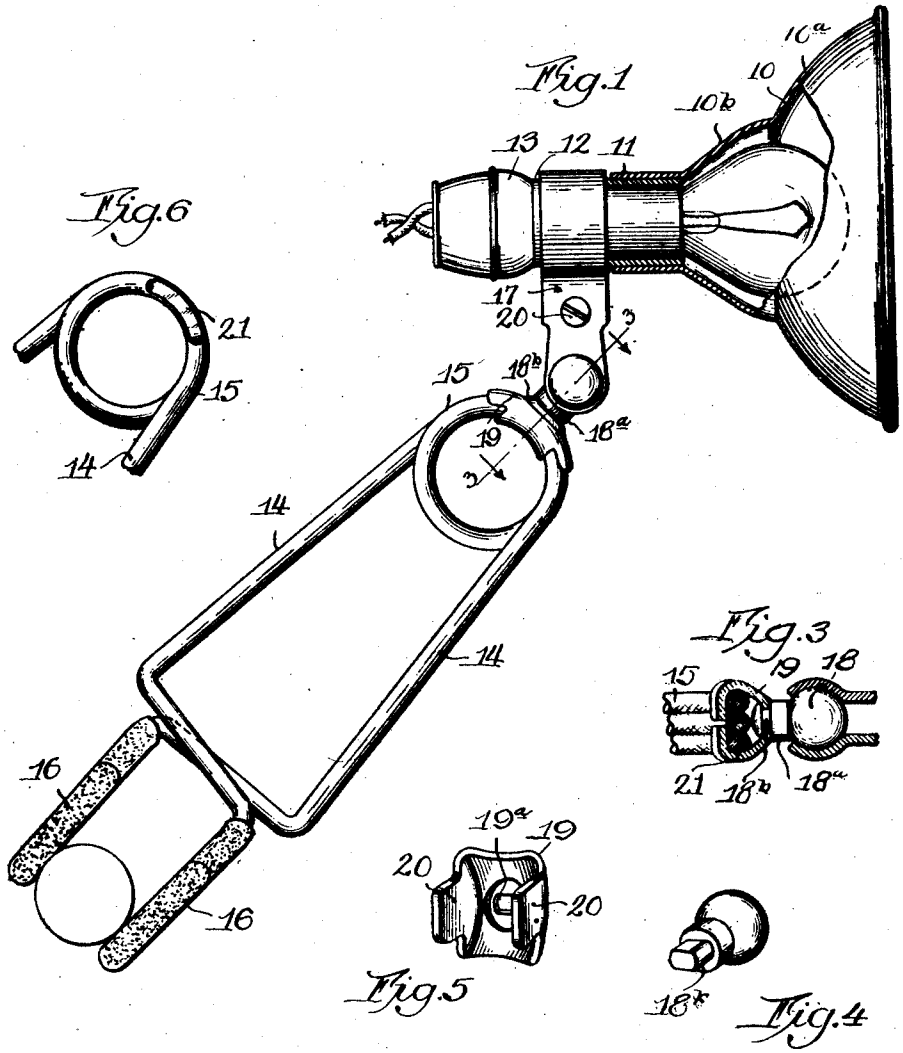
Nov. 17, 1925. 1,561,603

G. H. GLADE, JR

AUTOMOBILE LIGHT

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UNITED STATES PATENT OFFICE.

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AUTOMOBILE LIGHT.

Application filed December 17, 1923. Serial No. 681,041.

To all whom it may concern:

Be it known that I, GEORGE H. GLADE, JR., a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in an Automobile Light, of which the following is a specification.

This invention relates to improvements in electrical service lamps.

An object of the invention is to provide a lamp which may readily be attached to any convenient part of an automobile, article of furniture, or any other suitable support to be used as a so-called trouble lamp, spot light, reading lamp, or for any other purpose.

Another object is to provide such a lamp having a universal adjustment so that the reflector may be tilted or turned in any desired direction.

Another object of my invention is to provide a lamp having a clamping member which is adapted to engage any accessible portion of any object without the necessity of adjusting screws or clamps, and which will not mar the finish of the part to which it is attached.

Other objects relate to various features of construction and arrangement, which will be apparent from the following description, taken in connection with the accompanying drawings, wherein

Fig. 1 is a side elevation of the lamp structure.

Fig. 2 is a bottom view of the lamp as shown in Fig. 1.

Fig. 3 is a section taken on line 3—3, Fig. 1.

Fig. 4 is a detail view of a portion of the universal adjusting feature.

Fig. 5 is a detail view of a clip which secures the part shown in Fig. 4 to the clamping member.

Fig. 6 is a fragmentary view of the upper part of the spring clamp.

Similar reference characters are used throughout the drawings to designate like elements.

In the drawings, 10 represents, generally, a reflector which is adapted to receive an ordinary standard electric light socket of either one or two contact type, the base 11 of the reflector receiving the lamp socket 12, the latter carrying an insulating bushing 13. The socket 12 may have a frictional fit within base 11 and the lamp base may be secured therein by means of a stud and bayonet slot, if desired, or in any other suitable manner. The shape of the reflector may be of the ordinary parabolic form, or preferably, as shown in Fig. 1, the curved portion 10^a adjacent the rim of the reflector may be of parabolic design, while the portion 10^b between the portion 10^a and the socket portion 11 may be merely an enlargement of the socket to render the positioning of the bulb more accurate.

A spring clamping member 14 having coils 15 formed in its upper portion and terminating in curved gripping portions 16 is adapted to support the lamp structure and is adjustably connected thereto by means of a clip 17 frictionally coacting with a ball 18 secured to the spring engaging clip 19. Clip 17, as shown in Fig. 2, consists of two portions 17^a and 17^b, the lower ends of which portions are depressed outwardly to form sockets to receive ball 18, as shown clearly in Figs. 2 and 3. A bolt 20 extends through an opening in the two portions of clip member 17 and serves to tighten the said member on the lamp socket 12 or the reflector and on the ball 18. The spring clip member 19 is provided with a pair of wings 20 which are folded around the upper portion of the coils of the clamping member 14, one of said wings fitting into a slot or cutaway portion 21 formed in the said coil. By this arrangement, the clip 19 is anchored to one coil of the spring, at the same time leaving the other coils free to slip or slide through the clip 19 when clamping member 14 is being attached to or detached from its support.

Ball 18 is provided with a neck portion 18^a which serves to space the lower ends of the clip 17 from the upper portion of clip 19 to provide a working clearance, the neck 18^a of the ball terminates in a stud 18^b which projects through aperture 19^a of clip 19, and is then riveted to securely hold the said ball 18 and clip 19 in assembled relation. The stud 18^b has one or more flattened portions to prevent the relative rotation of the said ball with said clip.

The gripping portions 16 of the clamp 14 are preferably given the form shown in Fig. 2, and are covered by resiliently protective material, such as rubber, to prevent the clamp from slipping on a hard surface, and also to protect the surface from being marred in placing or removing the lamp.

It will be seen that the clip 17 having

formed therein the sockets which receive the ball 18 provides a universal adjustment, and that said adjustment may readily be tightened by adjustment of the bolt, as will be clear.

In positioning the device on any portion of the car or other support, the two gripping portions 16 of clamp 14 are separated by compressing the spring clamping members together and thereafter releasing the said clamping members permitting the gripping portions to engage the support, as shown in Fig. 1.

It will be obvious that my invention is susceptible of changes and modifications, and I do not wish to be restricted to the details shown and described herein, except where limitations thereto appear in the appended claims.

What I claim is:—

1. In a device of the class described, a bracket adapted for supporting a lamp, a clamp adjustably engaged by said bracket and being adapted to support the same in any position of adjustment, and a single means for tightening said bracket on said lamp and said clamp.

2. A device adapted to support a lamp comprising a pair of bracket members having coacting parts, each of which is provided with a lamp engaging portion, each of said bracket members being also provided with depressions coacting to form a socket, a spring clamp having a ball at its upper end to be adjustably received within the socket of said bracket, and means for simultaneously tightening said bracket on said lamp and on said ball.

3. A device adapted to support a lamp comprising a resilient clamp terminating in coacting gripping portions, said portions being provided with a protective covering, the upper portion of said clamp being formed as a spring coil, a portion of said coil having a depression formed therein, a ball secured to said coil, said securing means having an extension which coacts with said depressed portion in said coil to prevent relative movement of said coil and ball, and a bracket having a socket for the reception of said ball for adjustably securing said lamp thereto.

4. A device adapted to support a lamp comprising a spring clamping member having support engaging ends united by an integral coil, a lamp engaging bracket having a socket therein, a ball frictionally retained in said socket, and a clip secured to said ball and provided with integral extensions bent to engage said coil to retain said ball in fixed position relatively thereto.

5. A device adapted to support a lamp comprising a ball on which said lamp is adjustably mounted, a clamp, and a clip attached to said ball and having a pair of integral extensions bent to engage a portion of said clamp to secure said ball in fixed position relatively thereto.

6. A device adapted to support a lamp comprising a ball to which said lamp is adjustably secured, a clamp having a coil, and a one-piece clip for securing said ball to said coil, said clip and coil having cooperating portions adapted to prevent relative movement of said ball and coil.

In testimony whereof, I have subscribed my name.

GEORGE H. GLADE, JR.