June 5, 1934. A. T. REEDER ET AL 1,961,248

ADJUSTABLE MOTOR LIGHT

Original Filed Oct. 16, 1931

Figure 1

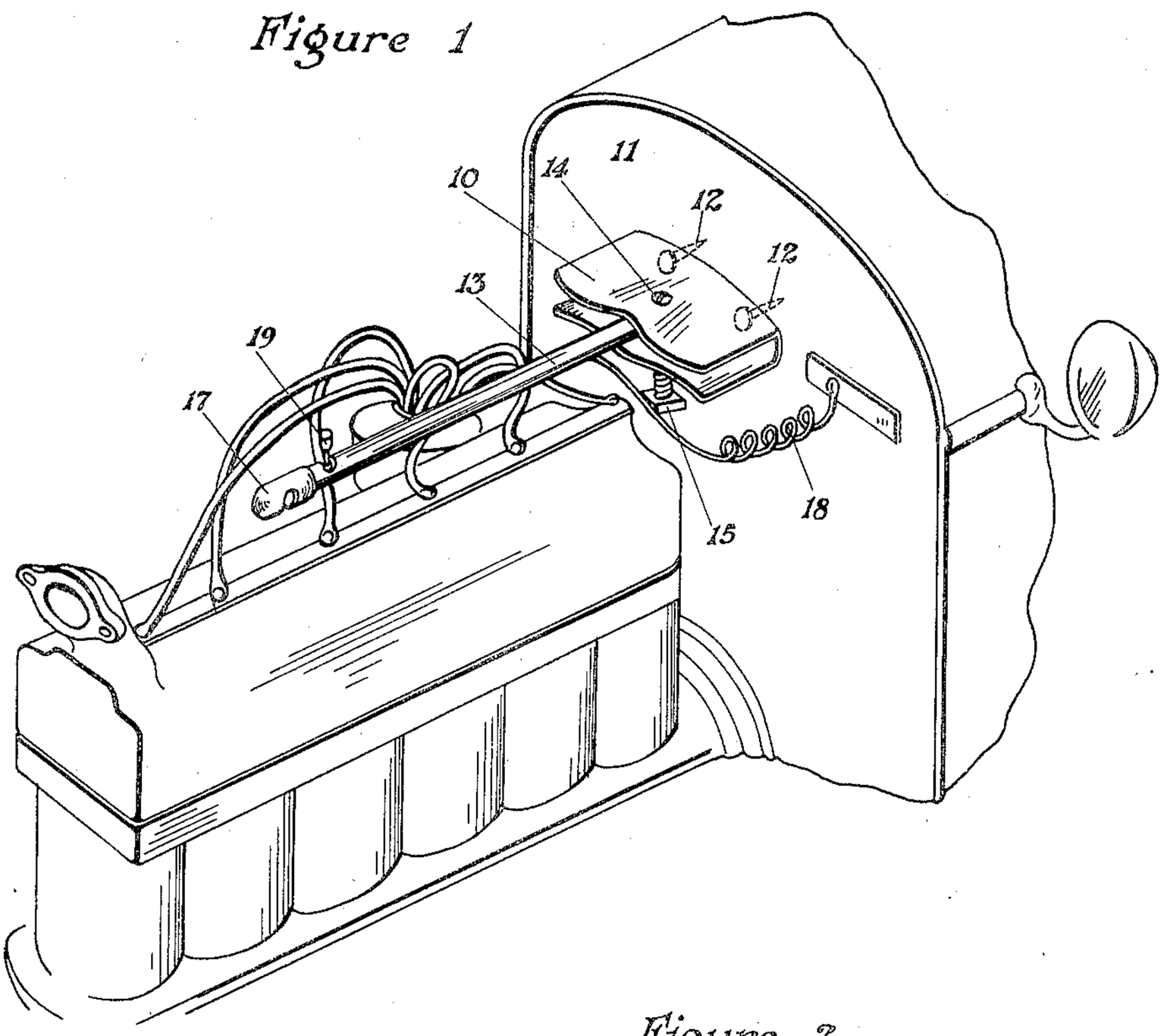


Figure 2

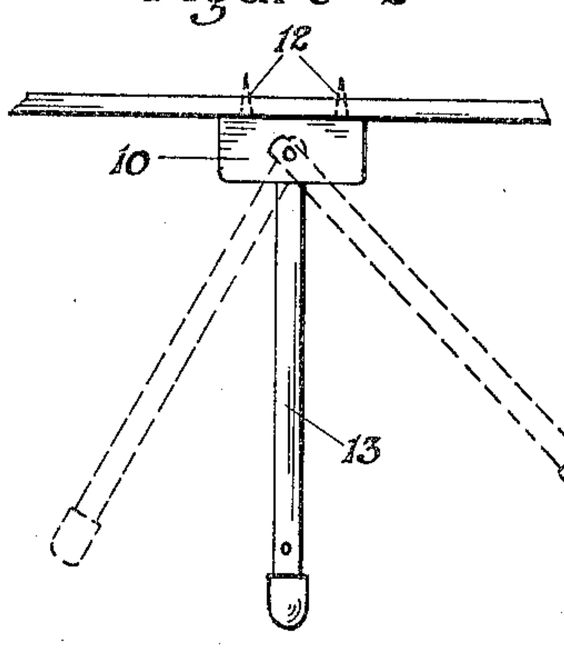
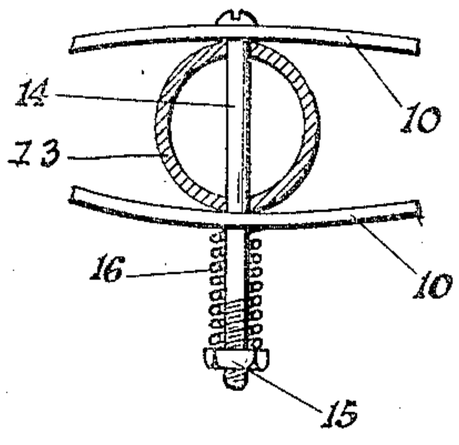


Figure 3



Inventor
A. T. Reeder
O. E. Munson

By Emil F. Lange
Attorney

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ADJUSTABLE MOTOR LIGHT

Ambrose T. Reeder, Beatrice, and Oak E. Munson, Genoa, Nebr.

Application October 16, 1931, Serial No. 569,230
Renewed November 20, 1933

1 Claim. (Cl. 240—7.1)

Our invention relates to adjustable motor lights such as are particularly adapted for use in illuminating the motor block of an automobile.

The object of the invention is the provision of a support for a motor light with means for adjusting it horizontally to any desired position.

Another object of the invention is the provision of an elongated support for a light bulb, the elongated support being pivotally secured to a resilient clip which in turn is adapted to be secured to the dashboard of the automobile with the elongated support extending forwardly over the motor block.

It is especially our object to avoid the use of suction and magnetic holding devices and other similar devices which usually fail due to the heat of the motor block.

It is also our object to provide an adjustable motor light which is simple in construction and which is easy of manufacture and convenient in use.

Having in view these objects and others which will be pointed out in the following description, we will now refer to the drawing, in which

Figure 1 is a view in perspective of our adjustable motor light secured to the dashboard of an automobile and extending in a forward direction over the motor block.

Figure 2 is a diagrammatic view in plan showing some of the positions of adjustment of the motor light.

Figure 3 is a view in front elevation of a portion of the clip and of a section of the elongated arm, the view showing particularly the tensioning device for the resilient clip.

The clip 10 is in U form and it is provided with one or more apertures for convenience in securing the clip to the dashboard 11 by means of nails or screws 12. The clip is thus positioned horizontally with its open end directed forwardly.

The tubular support 13 for the bulb is pivotally connected to the clip 10 by means of a bolt 14. The bolt 14 is provided with a nut 15 which bears against the coil spring 16 surrounding the bolt 14. The two members of the U-shaped clip 10 are resilient and this combined with the resilience of the spring 16 clamps the rod 13 within the clip 10. At the mouth of the clip the two members are outcurved at their middle and at their extremes. It will thus be obvious that the tubular member 13 in its movement from its middle position will encounter considerable resistance due to the resiliency of the clip 10 and of the spring 16. The arm 13 may, however, be moved in either direction against this resistance but it will be yieldingly held in any desired position of its pivotal movement. It is obvious also that the tension of the spring 16 may be adjusted by turning the nut 15.

At its forward extremity the tubular rod 13 is provided with the usual light bulb socket. The light bulb itself is shielded by means of the usual cap 17. The conductor 18 enters the tubular rod 13 in its rear portion and it is adapted to be connected to the battery or to any other suitable source of current available in the automobile. A switch 19 enables the operator to turn on or shut off the light at will.

The device is particularly useful when making repairs or adjustments on any part of the motor when there is not sufficient light available for conveniently making such repairs or adjustments. Every motorist is sometimes confronted with a necessity of making such repairs or adjustments at night or in sheds or garages which are not adequately illuminated.

The tubular arm 13 is rugged in construction but it is also well protected against possible injuries. It is protected by the hood above and by the motor block beneath. When the hood is removed, access to the tubular rod is a simple matter so that a push in one direction or the other will position the bulb at the front end of the rod 13 so that the light will be thrown onto the part which must be repaired or adjusted. The cap 17 may also be turned on its axis so as to direct the rays of light in any desired direction.

Having thus described our invention in such full, clear, and exact terms that its construction and operation will be readily understood by others skilled in the art to which it pertains, what we claim as new and desire to secure by Letters Patent of the United States is:

An adjustable motor light comprising a U-shape clip having fastener receiving openings in its inner end, means engaging said openings to secure the clip horizontally to the front of the dashboard of a motor vehicle, the upper and lower branches of the clip extending forwardly from the dashboard in spaced apart relation and being bowed outwardly from each other intermediate their lateral edges to provide opposed gripping portions at opposite sides of the bowed portions, a hollow rod positioned at one end between and in engagement with the spaced branches of the clip, a pivot bolt engaging through the branches of the clip in line with the bowed portions thereof and through said end of the rod for pivotally connecting the rod in the clip, said rod adapted to be swung outwardly on its pivot between the bowed portions of the clip into normal position and adapted to be swung laterally into binding engagement with the gripping edge portions of the clip to hold the rod, a shielded electric lamp mounted on the outer end of the rod, said hollow rod carrying an electric cord from said lamp, and tension means on said pivot bolt for compressing the branches of the clip on the rod.

AMBROSE T. REEDER.
OAK E. MUNSON.