T. H. FROEHLICH.

PORTABLE LAMP.

APPLICATION FILED MAY 16, 1919.

1,333,302. Patented Mar. 9, 1920.

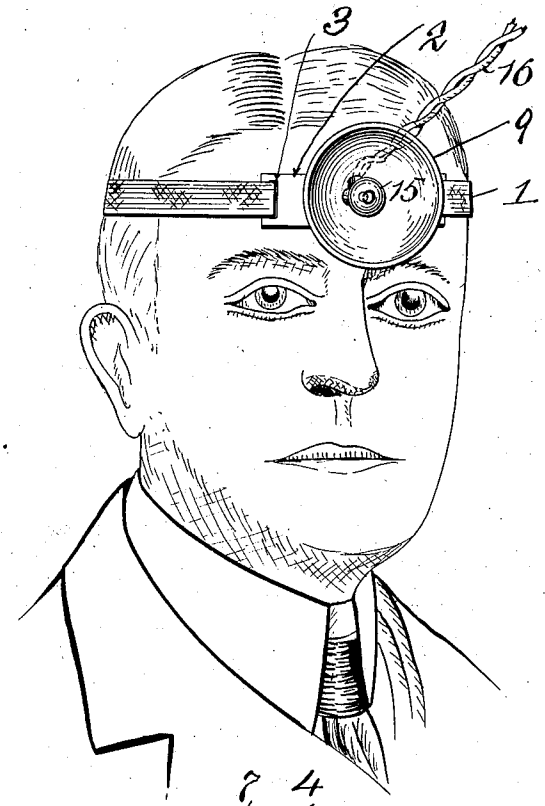

Fig. 1.

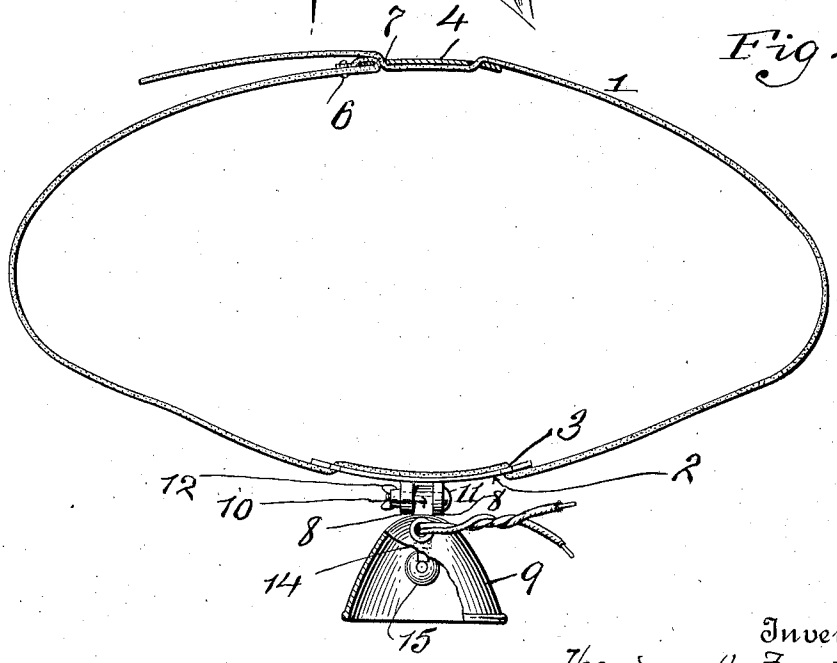

Fig. 2.

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UNITED STATES PATENT OFFICE.

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PORTABLE LAMP.

1,333,302. Specification of Letters Patent. Patented Mar. 9, 1920.

Application filed May 16, 1919. Serial No. 297,572.

To all whom it may concern:

Be it known that I, THEODORE H. FROEHLICH, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented a certain new and useful Improvement in Portable Lamps, of which the following is a specification.

The invention is a device for securing a lamp—preferably an electric glow lamp—to the forehead of the user, so that by the light projected upon any desired spot he can examine any object there illuminated and be free to use both hands in performing work thereon. The invention consists in the construction, hereinafter described, whereby the device is simplified and cheapened, and whereby it can be securely attached and adjusted in place.

In the accompanying drawings—

Figure 1 shows my portable lamp and support therefor in position upon the head of the user. Fig. 2 is a plan view of the device.

Similar numbers of reference indicate like parts.

1 is a band of any suitable flexible material. 2 is a plate which may be of metal, fiber or the like, and which is preferably slightly bent to suit the conformation of the wearer's forehead. In said plate near the ends thereof are transverse slots 3, through which said band passes. The plate is slidable upon the band, and the band and its receiving openings in the plate are preferably to be of such width as that the band will cover the greater portion of the inner face of the plate, and so serve as a resilient covering for said plate to prevent contact of said greater portion thereof with the forehead of the wearer. 4 is a plate similar to plate 2. One end of the band 1 is secured to one end of said plate 4 preferably by passing it through one of the slots 7 in said plate and securing the overlapping extremity to the body of the band by a rivet, as shown at 6. The other end of band 1 passes through both slots 7 in plate 4, and is thus adjustably held in said plate to enable the band to be drawn closely around the head of the wearer in order to retain the device in place thereon.

Upon the front face of plate 2 are two lugs 8, each having a circular opening. 9 is a cup-shaped reflector having on its rear side a preferably rounded lug 10, with a circular opening, which lug is received between the lugs 8, the openings in said three lugs then registering and receiving a headed pivot bolt 11 threaded at one end to receive the clamping nut 12. The reflector can thus be adjusted up and down at any desired angle to plate 2 and secured in adjusted position by setting up said nut 12.

Within the reflector is secured any suitable support for the lamp. Said support may be a socket 14 of usual construction adapted to receive an electric glow lamp 15, the circuit wires supplying the lamp being shown at 16.

Attention is directed to the simplicity and consequent cheapness of this construction. The flexible band may be of webbing, and the two plates 2 and 4 may be precisely alike and struck from the same dies. The lugs 8 and 10 may also, if desired, be alike, similarly made and attached by soldering. The reflector may also be stamped from light thin sheet metal, such as aluminum, and blow lamps, sockets, bolts and nuts of standard types are easily obtainable in the market.

While the device may, of course, be utilized in any desired way, it is especially intended for use at night or in dark garages for examining the parts of automobiles for purposes of inspection, repair or adjustment. In such case the circuit wires can readily be attached to any current outlet, to the usual electric lighting battery present in the machine or to a pocket storage battery carried by the user. Both hands of the operator are left free to do whatever work may be necessary. As the plate 2 is normally free to slide on the band 1, it is immaterial what position it takes along said band when the device is not in use, since it can readily be slid to desired place, after which the tightening of the band by drawing it through plate 4 presses said plate 2 as closely as desired against the forehead, and so retains it against displacement.

I claim:

A device of the class described, comprising a plate of metal or the like adapted to fit upon the person of the user and having a slot approximating in length the width of

said plate near each end, a lamp support on said plate between said slots, a lamp carried by said support, a flexible band extending through said slots and covering the rear side of said plate between said slots, and means for securing together the ends of said band.

In testimony whereof I have affixed my signature in presence of two witnesses.

THEODORE H. FROEHLICH.

Witnesses:
GERTRUDE T. PORTER,
May T. McGARRY.