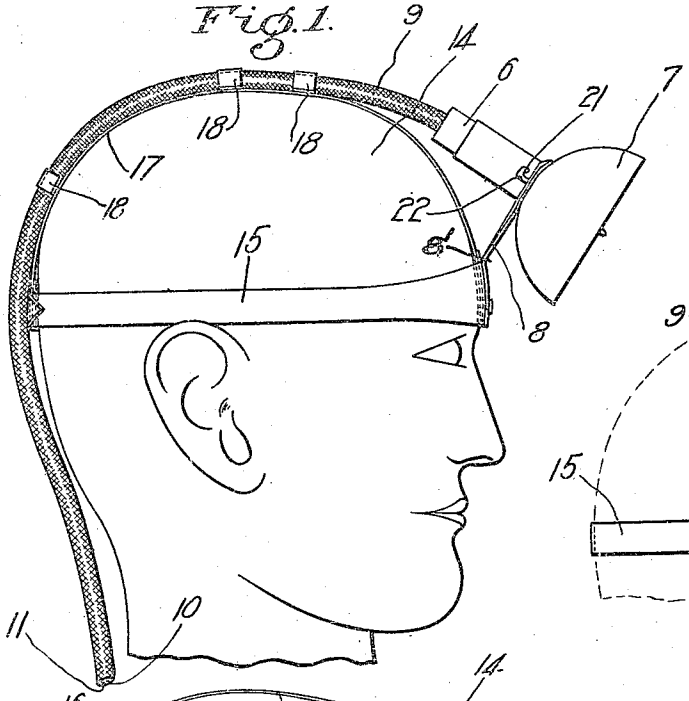
G. L. LEE.

ELECTRIC HEAD LAMP.

APPLICATION FILED JULY 6, 1917.

1,262,065. Patented Apr. 9, 1918.

Fig. 1.



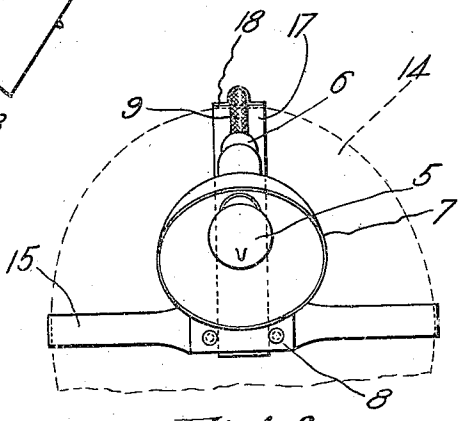


Fig. 3.

Fig. 2.

Fig. 4.

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UNITED STATES PATENT OFFICE.

GUY L. LEE, OF BOSTON, MASSACHUSETTS.

ELECTRIC HEAD-LAMP.

1,262,065. Specification of Letters Patent. Patented Apr. 9, 1918.

Application filed July 6, 1917. Serial No. 179,072.

To all whom it may concern:

Be it known that I, GUY L. LEE, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Electric Head-Lamps, of which the following is a specification.

This invention relates to a device for supporting an electric lamp upon the head and is particularly adapted to be used as a "trouble lamp" in connection with the repairs and adjustments on automobiles, wherein it is desirable and oftentimes necessary that the mechanic should be able to use both hands for the work and at the same time hold the lamp in such a position that the rays of light will fall directly upon the work.

The invention consists of an electric lamp in combination with a battery and means to support the lamp upon the head of the user, all as set forth in the following specification and particularly pointed out in the claims.

Referring to the drawings:

Figure 1 is a side elevation of my improved lamp and support therefor, showing the same attached to the head of the user.

Fig. 2 is a plan view of the same.

Fig. 3 is a front elevation.

Fig. 4 is a sectional elevation, broken away, illustrating the lamp with the cable connected to a socket on the dash of an automobile.

Like numerals refer to like parts throughout the several views of the drawings.

In the drawings, 5 is an electric lamp, 6 a socket therefor, 7 a reflector, 8 a bracket constituting a holder to which the reflector and socket are fastened. The bracket 8 is preferably constructed of pliable sheet metal which may be bent at 8′ in order that the user may properly adjust the angle at which the reflector will best concentrate the rays of light to suit his needs. 9 is a cable containing two wires 10 and 11 of an electric circuit. 12 is a socket. 13 is the dash of an automobile, 14 is the head of the user, 15 is a strap adapted to encircle the head of the user and provided with a buckle 16, whereby the same may be made to fit said head comfortably. 17 is a band, preferably of elastic material, fastened at one end to said holder 8 and also to the front portion of the strap 15 and fastened at the other end to said strap. The cable 9 is fastened by clips 18 to the band 17.

In the particular socket shown a two-point contact is embodied consisting of contact members 19 actuated by springs 20 inclosed in recesses within the socket 6. The lamp is held to the socket by means of a pin 21 which projects into a slot 22 provided in the lamp 5 in a manner well known to those skilled in this art. The socket 12 is connected by wires 23 to a storage battery 24 in a manner well known to those skilled in the art.

The operation of the device is as follows: The user places the lamp on his head, as shown in Fig. 1, and tightens the strap 15 until the same is firmly attached to his head, the band 17 extending over the head, together with the cable 9 which is attached thereto. The bracket 8 holds the lamp and its socket and the reflector 7 firmly in position, so that no matter in which direction the head is turned, the rays of light will be directed upon the object which is faced by the user who may easily adjust the angle of the reflector to suit his needs by bending the bracket at 8′. The cable 9 is attached to any suitable socket, such as the socket 12 on the dash of an automobile, and thus the electric connection is formed from the storage battery through the different connections named to the lamp 5.

The device described has been found to be particularly adapted for use in connection with automobiles where the user is liable to be placed in awkward and inconvenient positions where it is very difficult to hold a light, and the same is especially useful where it is desired to use two hands to perform the work.

It has also been found that by constructing the bracket 8 as hereinbefore described the bracket may be easily bent at 8′ to change the direction of the rays of reflected light, but the bracket 8 securely holds the lamp and reflector from becoming displaced and reflecting the light in other than an area which is directly faced by the user.

Having thus described my invention, what I claim and desire by Letters Patent to secure is:

A device of the character described having, in combination, an electric lamp, a

reflector for said lamp, a source of electric supply, electric connections from said source of electric supply to said lamp, means to support said lamp upon the head of the user, comprising a socket to which said lamp is attached, a holder for said socket, said holder being formed of pliable sheet metal, adapted to be bent to change the angle at which the rays of light from said lamp will be reflected by said reflector, and adjustable straps adapted to fasten said holder to the head of the user.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

GUY L. LEE.

Witnesses:
SYDNEY E. TAFT,
HATTIE E. STRATTON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."