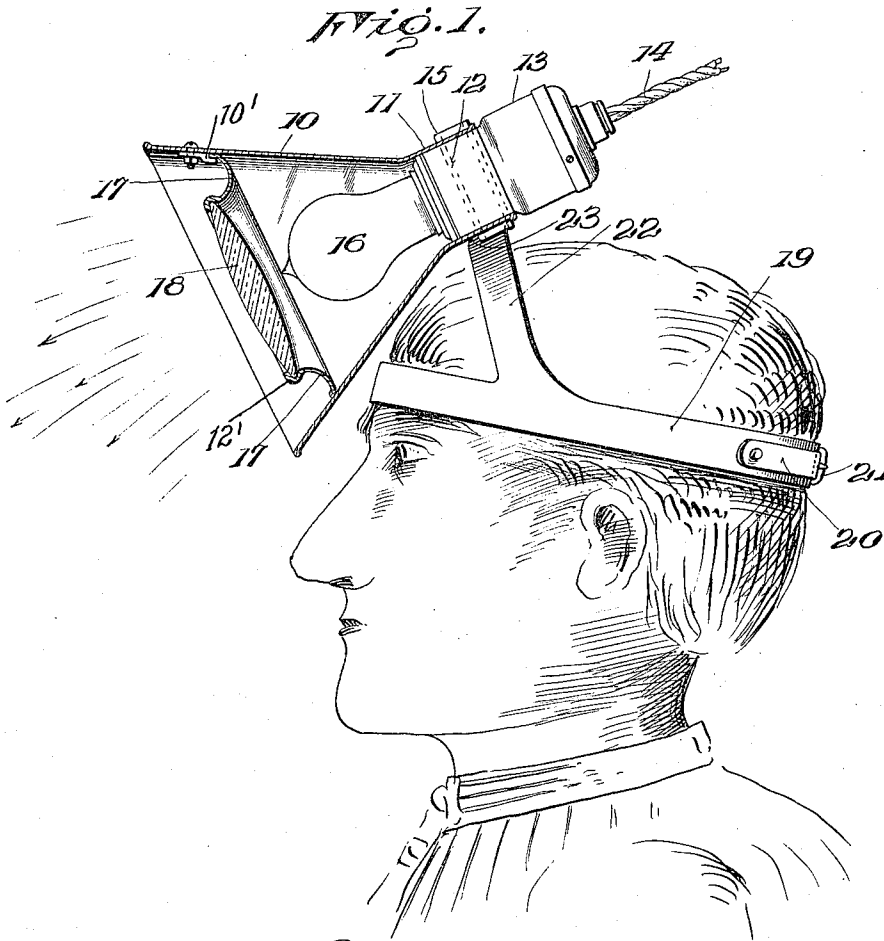
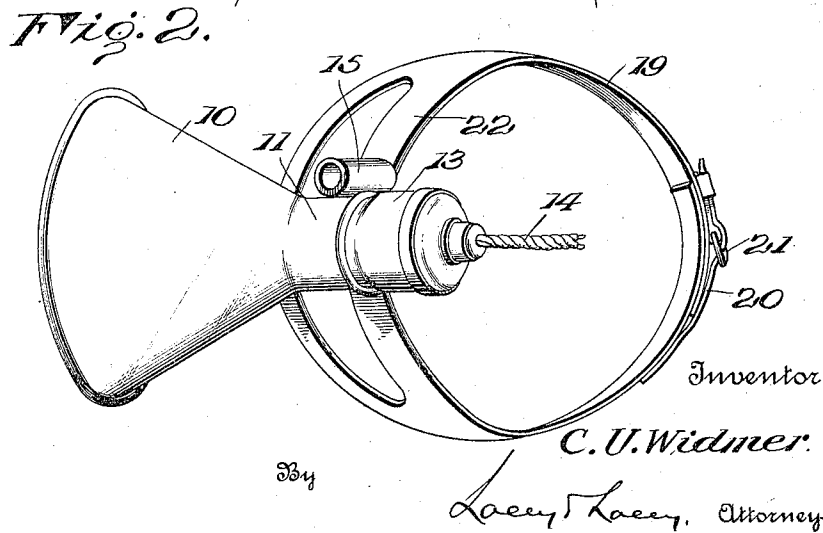


C. U. WIDMER.
ELECTRIC LAMP SUPPORT.
APPLICATION FILED AUG. 5, 1918.

1,305,852.

Patented June 3, 1919.

2 SHEETS—SHEET 1.



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2 SHEETS—SHEET 2.

Fig. 3.

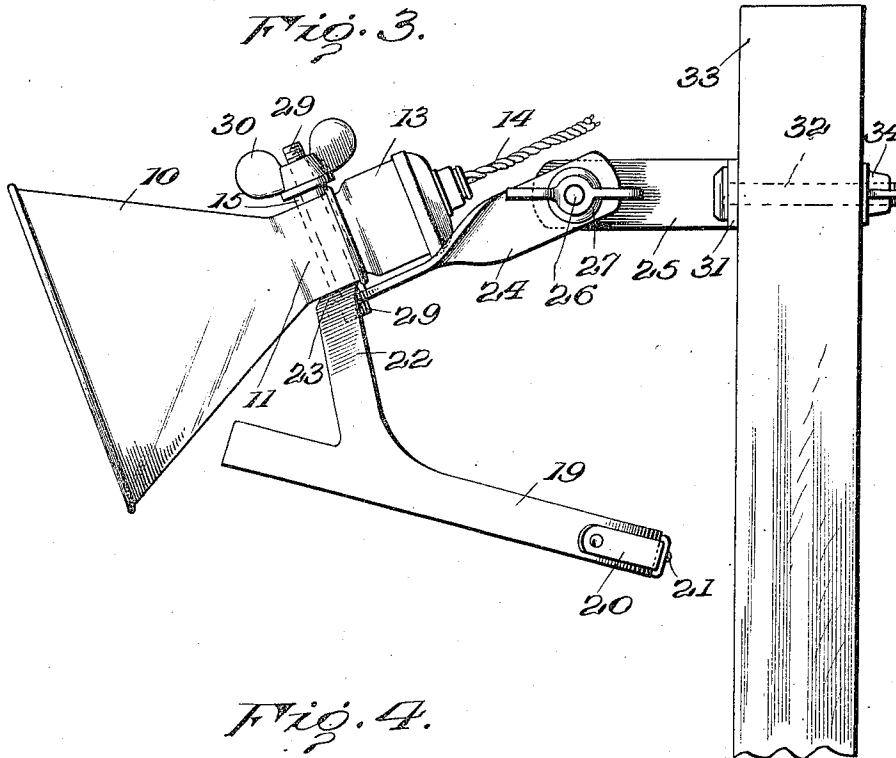
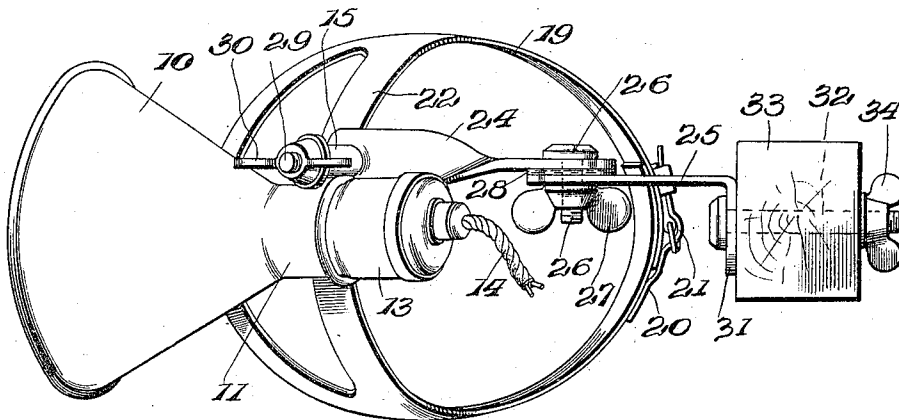


Fig. 4.



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By

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UNITED STATES PATENT OFFICE.

CHRISTIAN U. WIDMER, OF UPLAND, CALIFORNIA.

ELECTRIC-LAMP SUPPORT.

1,305,852.

Specification of Letters Patent.

Patented June 3, 1919.

Application filed August 5, 1918. Serial No. 248,355.

To all whom it may concern:

Be it known that I, CHRISTIAN U. WIDMER, a citizen of the United States, residing at Upland, in the county of San Bernardino and State of California, have invented certain new and useful Improvements in Electric-Lamp Supports, of which the following is a specification.

This invention relates to improvements in electric lamp supports, and has for one of its objects to provide a simply constructed device whereby an electric lamp bulb may be supported in convenient position and turned to throw the light in any desired direction.

Another object of the invention is to provide a holder for an electric light bulb, with means for concentrating and increasing the intensity of the light without increasing the candle power of the lamp.

With these and other objects in view, the invention consists in certain novel features of construction, as hereinafter shown and described and then specifically pointed out in the claims; and in the drawings illustrative of the preferred embodiment of the invention—

Figure 1 is a sectional side elevation of one form of the device,

Fig. 2 is a plan view of the parts shown in Fig. 1,

Fig. 3 is a side elevation illustrating the manner of supporting the improved device from a stationary support,

Fig. 4 is a plan view of the parts shown in Fig. 3.

The improved device comprises a funnel shaped support or shade represented as a whole at 10 open at the larger end with the smaller end extended in tubular form as shown at 11. The tubular portion 11 is designed to receive and hold the smaller portion 12 of an electric lamp socket, indicated as a whole at 13, and from which the conductor cables 14 extend, as shown.

Attached to the tubular portion 11 at one side of the shade or support is a tubular socket 15, the axis of the latter being directed at right angles to the axial line of the conical shade. The electric bulb is indicated as a whole at 16 and when coupled to the socket 13 extends into the interior of the conical shade 10. Detachably supported within the shade 10 in advance of the bulb 16 is an annular frame 17 supporting a lens 18 through which the light from the bulb

is thrown. The lens operates to concentrate the light and accentuate its radiance. The annular lens supporting frame 17 rests against the interior inclined walls of the shade 10 and is detachably secured thereto by one or more clamping devices or clips 10' secured to the walls of the shade and engaging the rim of the frame 17 as shown. The frame 17 is preferably substantially conical in shape with its small end extending in the direction of the large end of the shade, and the small end of said frame is formed with a retaining flange 12' which fits over the lens 18 and serves to center said lens within the shade at a point in advance of the electric light bulb.

The shade 10 may likewise be supported from the head, and when thus employed a head encircling band, represented as a whole at 19, is provided and divided at the rear and the terminals coupled by a strap device 20 including a buckle 21. By this means the band may be adapted to heads of varying sizes. The band 19 may thus be attached to the head with sufficient pressure to maintain it in position.

Rising from the band 19 at opposite sides is a curved support 22 passing over the head and connected at 23 to the tubular portion 11 of the shade. When thus arranged the open end of the shade 10 extends forwardly and above the eyes of the person who wears the band, thus directing the rays of the light forwardly and downwardly upon the object at which the person is looking, for instance a book, paper or other reading matter, or the work upon which the person is engaged. The light may also be thrown in any desired direction by simply turning the head, as will be obvious.

When the shade 10 and its attachments is to be located otherwise than upon the head, the socket 15 will be utilized to receive an adjustable bracket device which is adapted to be attached to a suitable support. The preferable form of the coupling between the socket 15 and the support is illustrated in Figs. 3 and 4 and comprises supporting arms 24 and 25 overlapping at their confronting ends and swingingly coupled by a clamp bolt 26 and wing nut 27. A disk of felt or like material, represented at 28, is disposed between the overlapping portions of the arms 24 and 25, to enable the parts to be firmly clamped in adjusted position. The arm 24 is preferably twisted as shown and

provided with a threaded stud 29 adapted to pass through the socket 15 and be held in position by a wing nut 30. At its free end the arm 25 is offset laterally as shown at 31 and perforated to receive a clamp bolt 32 which passes through a suitable support indicated at 33 and is held in position by a wing nut 34. By employing the various bolts and wing nuts the arms 24—25 may be adjusted to any required extent to hold the shade or support 10 and its attachments in any desired position to thus direct the light from the bulb 16 in any desired direction and to hold the lamp socket and its bulb in adjusted position. The movement of the lamp is thus practically universal, and enables the operator to direct the light in any desired direction. The improved lamp support may be advantageously employed in connection with the book holder for which an application for patent was made by me August 6, 1918, Serial No. 248,566 and likewise in connection with the screen frame which is the subject matter of an application filed September 18th, 1918, Serial No. 254,651.

The improved device may be constructed of any suitable material and of any suitable size, and operates effectually for the purposes described.

The band 19 will preferably be lined with a padding material to protect the head.

Having thus described the invention, what is claimed as new is:

1. A device of the class described comprising a substantially conical shaped shade having a tubular extension adapted to receive an electric light bulb, a substantially conical shaped lens supporting member fitting within the shade in advance of the electric light bulb, clips secured to the interior wall of the shade and engaging the lens supporting frame for holding the latter in position, and means for supporting the shade.

2. A device of the class described comprising a substantially conical shaped shade having a tubular extension adapted to receive an electric light bulb, a substantially conical shaped lens supporting frame bearing against the interior wall of the shade and having its small end extending in the direction of the large end of the shade, clamping devices disposed within the shade and engaging the lens supporting frame for detachably holding said frame in position on the shade, and means for supporting the shade.

3. A device of the class described comprising a substantially conical shaped shade

having a tubular extension, an electric light bulb fitting within the extension, a head encompassing band secured to said extension, a substantially conical shaped lens supporting frame detachably fitting within the shade and bearing against the interior walls thereof, said lens supporting frame having its small end extended in the direction of the large end of the shade and provided with a retaining flange, a lens seated in said flange and spaced from the interior walls of the shade, and clamping devices secured to the inner wall of the shade and engaging the peripheral edge of the lens supporting frame for detachably securing said lens supporting frame within the shade.

4. A device of the class described comprising a substantially conical shaped shade adapted to receive an electric light bulb, a substantially conical shaped lens supporting frame bearing against the interior walls of the shade and having its small end extended in the direction of the large end of said shade, a lens carried by the small end of the frame, and means for detachably securing the lens supporting frame within the shade.

5. A device of the class described comprising a shade having a tubular extension, an electric light bulb fitting within the extension, a lens carried by the shade and supported in advance of the electric light bulb, an open-ended socket secured to the tubular extension on one side thereof, a head encompassing band secured to the tubular extension, pivotally united supporting arms, a threaded bolt carried by one of the arms and extending through the socket, and a clamping nut engaging the threads on the bolt and bearing against said socket.

6. A device of the class described comprising a shade having a tubular extension, an electric light bulb seated within the extension, a lens disposed within the shade in advance of the bulb, a head encompassing band secured to the tubular extension, an open-ended socket disposed on one side of the extension and secured thereto, co-acting supporting arms having their inner ends overlapped and pivotally united, the outer end of one of the arms being provided with means for engagement with a support and the outer end of the other arm being twisted and provided with a threaded bolt extending through the socket, and a nut engaging the threaded end of the bolt and bearing against the adjacent end of the socket.

In testimony whereof I affix my signature.
CHRISTIAN U. WIDMER. [L. s.]