June 23, 1925. 1,543,293

T. J. NELSON

FOLDING LAMP

Filed Aug. 11, 1922

Fig. 1

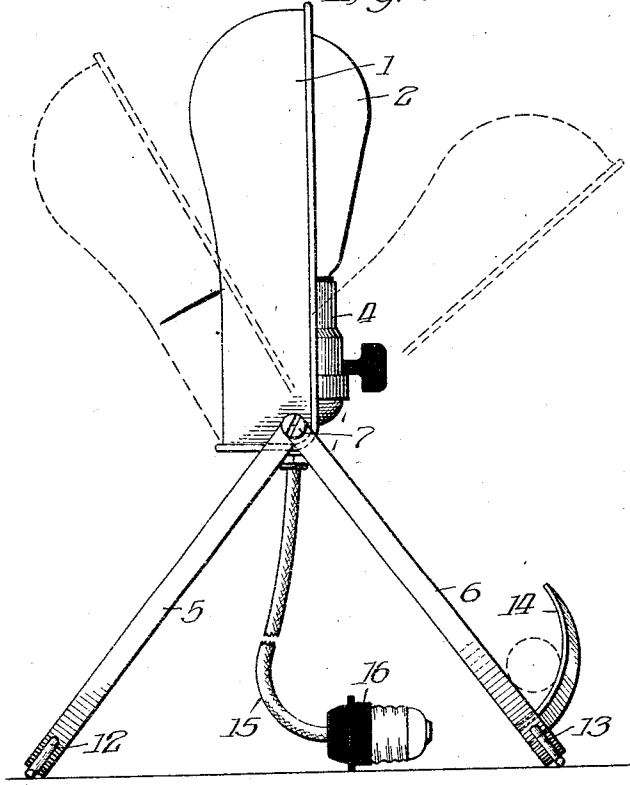


Fig. 2

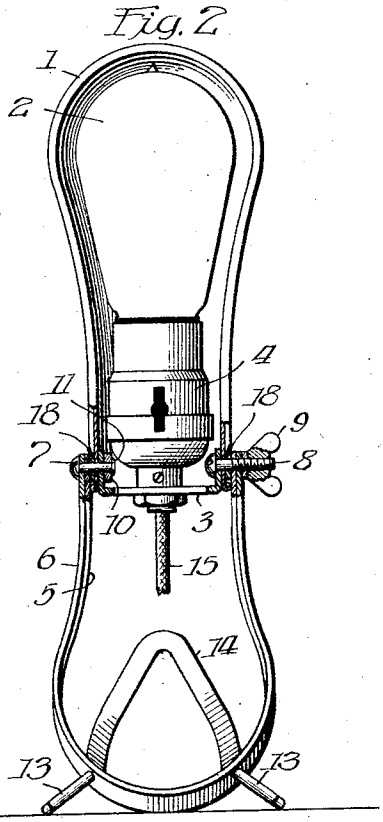
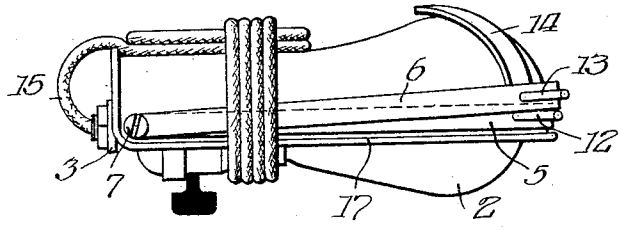


Fig. 3



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UNITED STATES PATENT OFFICE.

THEODORE J. NELSON, OF CHICAGO, ILLINOIS, ASSIGNOR TO COLONIAL LAMP & FIXTURE WORKS, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

FOLDING LAMP.

Application filed August 11, 1922. Serial No. 581,048.

To all whom it may concern:

Be it known that I, THEODORE J. NELSON, a subject of the King of Sweden, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Folding Lamps, of which the following is a specification.

My invention has reference to a portable electrict lamp, and relates particularly to devices of this character, wherein the shade and supporting base fold together into a compact form.

The objects of my invention are to provide an improved collapsible electric lamp, to make the parts thereof adjustable so it may be conveniently supported or used in a variety of different ways; to combine the lamp shade with supporting members which may be adjusted to hold the shade in various positions and which fold together close against the shade so as to afford a compact structure; to construct the shade holder with folding supporting members and a socket pivoted therein so that the supporting members, socket and shade are all independently adjustable; and in general, to provide a simple and inexpensive folding lamp which may be adjusted to suit various conditions of use, and which folds into a compact form.

On the drawings:

Fig. 1 is a side view of a fixture embodying my improvements and arranged to be used as a stand or table lamp;

Fig. 2 a view looking at the right hand side of the fixture, as shown in Fig. 1; and

Fig. 3 a side view of the fixture in the folded condition.

Referring to the drawings, the reference numeral 1 indicates a lamp shade which is formed to correspond to the shape of the lamp 2 which is to be used therein, this shade holder being elongated and provided at its inner end with a yoke 3, having the arms thereof pivoted to the shade holder, and this yoke has the socket 4 secured thereto in any convenient manner so that said socket fits within the inner end of the shade holder. A pair of supporting members 5 and 6, each of which comprises a flat strap bent to correspond to the longitudinal form of the shade 1 so as to fold close against the exterior surface of the latter, have their arms engaged on the pivots 7 and 8, which serve also to pivotally connect the yoke 3 and the shade. The pivot 8 is preferably in the form of a threaded member having a wing nut 9 whereby the pivoted parts may be clamped in various positions of pivotal adjustment, whereas the member 7 may be of any desired form, such for example, as the screw shown, having an ordinary nut 10 at the inner end which may be prevented from loosening by upsetting or riveting over the inner end of the screw, as shown at 11.

Each of the supporting members 5 and 6, has a pair of legs 12 and 13 respectively, which project outwardly and downwardly to afford somewhat widely separated bearing points to hold the device in a substantial manner in an upright position on a flat surface, and the outer supporting member 6 is also provided with a V-shaped hanger 14 having arms secured to the member 6 at the point of attachment of the legs 13 and curving forwardly and inwardly, as shown in Figs. 1 and 3, so as to form a hook, whereby the fixture may be hung on a support. This member 14 may also serve, when the lamp is arranged as shown in Fig. 1, to hold pencils or other articles.

The usual lamp cord 15 extends out through the end of the socket 4, and has the attachment plug 16 at the outer end.

The arms 5 and 6 swing on the pivots 7 and 8 so that they nest substantially one within the other, and the two members 5 and 6 fold to a position embracing the shade 1, as shown in Fig. 3, and the member 14 being of such curvature that when the supports 5 and 6 are folded as stated, said member 14 likewise fits close against the exterior of the shade 1 so that the entire device in the folded condition is in a compact and convenient form for carrying or packing as will be clearly understood by referring to Fig. 3.

The shade 1 is preferably reinforced along the edges by a roll 17 of the metal composing this shade, and in order to position the straps 5 and 6 so that they will clear the rolled edge 17, washers 18 are placed on the pivots 7 and 8 between the shade and the strap members 5 and 6, as shown in Fig. 2.

From the foregoing it will be understood that the frame members 5 and 6 may be folded with respect to the shade 1 and socket 4 and held in the adjusted position by the wing nut 9 so as to support the lamp in any desired position on a stand or table or hung from a support, and the shade 1 and lamp

socket 4 may be arranged to direct the light in any desired manner. The shade 1 may also be adjusted in a horizontal position away from the lamp if it is desired to use the lamp without the shade, and the members 5 and 6, when folded together and extending outwardly from the shade 1, serve as a convenient handle for carrying or holding the lamp.

While I have shown and described my invention in a preferred form, I am aware that various changes and modifications may be made without departing from the principles of my invention, the scope of which is to be determined by the appended claims.

I claim as my invention:

1. In a portable lamp, the combination of a shade, socket and a pair of supporting members, all pivoted together on a common pivotal axis arranged diametrically of the socket and each independently adjustable.

2. In a portable lamp, the combination of a lamp shade, having a lamp socket mounted therein, and a pair of supporting members hinged together and pivoted to the shade on a common pivotal axis so as to spread apart, and thereby afford a supporting frame for the lamp, said members being adapted to be swung independently around the common pivotal axis and thereby closed together and folded to embrace the shade for collapsing the device into a compact form.

3. In a portable lamp, the combination of a lamp socket and shade pivoted together on aligning pivots on opposite sides of the socket; and a pair of supporting members substantially conforming to the contour of the shade and pivoted on said aligning pivots to swing independently on said pivots and thereby fold to a position embracing the shade.

4. In a portable lamp, the combination of a shade and socket a pivot whereby the socket and shade are adjustably connected together, and supporting means comprising a pair of strap members having the corresponding ends pivoted together by means of the aforesaid pivot and pivotally connected to the shade and socket for independent adjustment and of looped form corresponding to the configuration of the shade, one of said members being provided with a hook conforming to and adapted to fold against the shade.

5. In a portable lamp, the combination of an elongated shade having a cross member at one end thereof interposed between and pivoted to the side walls of the shade, a lamp socket mounted on the cross member and adapted to support a lamp so that the latter may be embraced by the shade, and a pair of looped members having arms thereof pivoted to the shade and independently adjustable to afford a support for the lamp, said members being adapted to substantially nest within one another and embracing the shade so that the structure may be collapsed into a compact form.

THEODORE J. NELSON.