July 18, 1944. C. L. STEBER 2,354,154

SHADE HOLDER

Filed April 3, 1943

FIG. 1

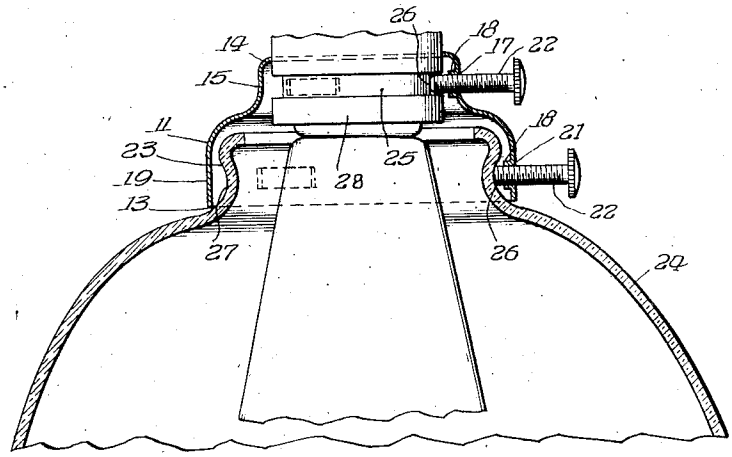


FIG. 2

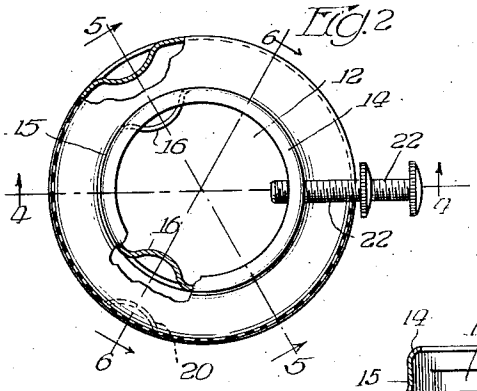


FIG. 3

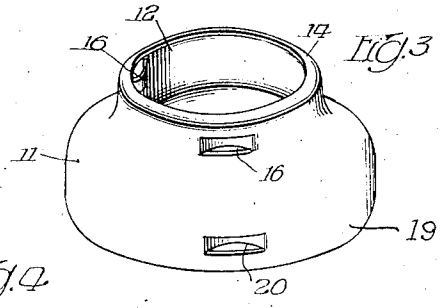


FIG. 4

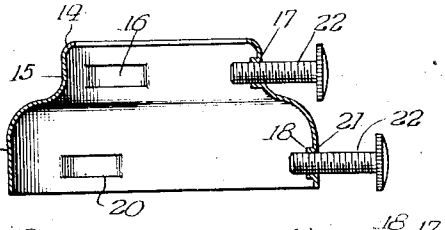


FIG. 5

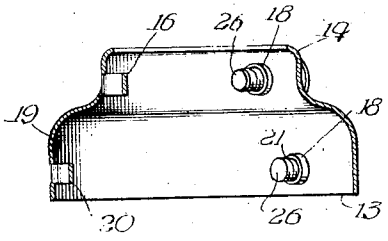
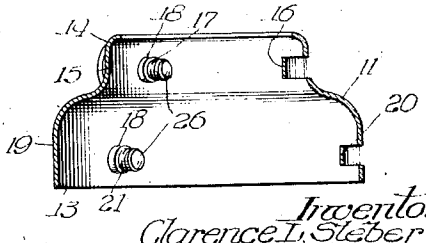


FIG. 6



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SHADE HOLDER

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Application April 3, 1943, Serial No. 481,726

1 Claim. (Cl. 240—128)

This invention relates in general to a shade holder and more particularly to a unitary holder for use with an electric lamp.

An object of this invention is to provide safe, simple and efficient means for supporting a shade for an electric light in connection with a socket member, firmly yet so that shade and holder, or either of them, may be readily attached and removed.

Other objects of this invention include the provision of novel means for securing a shade holder to a socket for an electric light and to a shade therefor with a minimum of parts. In previous devices employed for the purpose a multiplicity of parts, including spider brackets, numerous screws and various structural members have been used, with the result that after being used for a while the parts become loose, requiring frequent adjustment and replacement to avoid breakage and causing much annoyance. The present invention involves the use of a unitary holding member provided with integral spring tensioning means and a minimum of adjustable parts cooperating with them to secure the holding member in operative position.

Additional objects, advantages and capabilities inherent in this invention will be readily apparent from the description thereof which follows.

This invention further resides in the combination, construction and arrangement of parts illustrated in the accompanying drawing, and while there is shown therein a preferred embodiment of the invention, it is to be understood that the same are susceptible of modification and change without departing from the spirit of the invention.

The accompanying drawing illustrates a selected embodiment of the invention, and the views therein are as follows:

Fig. 1 is a central, vertical, sectional view of a shade holder embodying the invention in position securing a conventional shade, also shown in section, to an electric socket member having an electric light bulb secured therein, a portion only of the socket member, bulb and shade being shown;

Fig. 2 is a plan view of the shade holder shown in Fig. 1, partially in section;

Fig. 3 is a perspective view of the same shade holder;

Fig. 4 is a sectional view along the line 4—4 of Fig. 2;

Fig. 5 is a sectional view along the line 5—5 of Fig. 2;

Fig. 6 is a sectional view along the line 6—6 of Fig. 2.

The particular shade holder herein disclosed for the purpose of illustrating the invention comprises a hollow, generally bell-shaped, tubular shell or body 11, which may be of metal, plastic or other suitable material, having opposed upper and lower central openings 12 and 13. The upper opening 12 is provided with an in-turned peripheral portion or rim 14. This opening is preferably circular and adapted to fit upon an electric socket member. Below the rim 14, the shell 11 has a generally cylindrical or tapering neck portion 15 provided with circumferentially spaced in-struck portions 16 and a punched hole 17 in spaced relation with the portions 16. The punched hole 17 is threaded and receives a screw member 22, which with the in-struck portions acts as the retaining means for holding the holder to the socket member. A narrow peripheral inwardly extending flange portion 18 is formed about the opening 17 in the punching thereof and provides for several screw threads with which the screw threadedly engages.

The shell 11 is provided with a lower, generally cylindrical skirt portion 19 with circumferentially spaced in-struck portions 20 and a punched threaded hole 21 in spaced relation with the portions 20. The portions 20, the threaded hole 21, and the adjacent flange are generally similar to the portions 16, the threaded hole 17, and flange 18, respectively. The opening 13 and the cylindrical portion 19 of the shell 11 are adapted to receive or fit over the neck 23 of a shade 24. The threaded hole 21, like the threaded hole 17, is adapted threadedly to receive a screw 22.

The configuration of the shell 11 and the arrangement of the portions 16 and the hole 17 are such that the portions 16 will be received in a groove 25 of a socket member 28, and a screw 22 may be threaded through hole 17 and the adjacent flange 18 and adjusted so that the inner end 26 of the screw and the portions 16 will tightly engage the socket member in the groove 25 and cooperate to secure the shade holder to the socket member. Similarly, the portions 20 and the hole 21 are arranged so that the former will be received in the grooved portion 27 of the neck 23 of a shade, and a screw 22 may be threaded through a hole 21 and the adjacent flange 18 and adjusted so that the inner end of the screw and the portions 20 will tightly engage the portion 27 of the neck 23, and cooperate to secure the shade in position with respect to

the socket member. The portions 16 and 20 may have resiliency to maintain a tension on the screws 22 and keep them in adjusted position.

It will be readily appreciated that the configuration of the holder member may be varied to suit various shapes of shade and socket member. The skirt portion 19 may be extended downwardly and shaped in any suitable manner itself to serve as a shade, in which case the in-struck portions 20 and the lateral opening 21 would be omitted. It will also be appreciated that the holder member may be used with a reflector instead of a shade and that the reflector may be of various shapes.

Instead of separately threading the hole 17 and the flange 18 the screw member 22 may be of self-threading type.

Changes may be made in the form, construction and arrangement of the parts without departing from the spirit of the invention, and the right is hereby reserved to make all such changes as fairly fall within the scope of the following claim.

The invention is hereby claimed as follows:

A device of the character described comprising a unitary, generally bell-shaped, resilient tubular holder having opposed, open ends of different diameter, a tapered neck portion adjacent the end of smaller diameter having a plurality of circumferentially spaced, in-struck portions and a lateral opening in spaced relation with said in-struck portions, said neck portion being adapted to receive an electric socket member provided with a circumferential groove adapted to receive said in-struck portions, and a threaded member adapted to engage said neck portion through said lateral opening and to engage said socket member in said groove and operable to cooperate with said in-struck portions to secure said holder to said socket member, said holder also having a generally cylindrical portion adjacent its end of larger diameter, said cylindrical portion being adapted to receive the neck of a shade and having a plurality of circumferentially spaced in-struck portions and a lateral opening in spaced relation with said in-struck portions, and a threaded member adapted to engage said cylindrical portion through said lateral opening and operable to cooperate with said in-struck portions to secure said holder upon the neck of said shade, whereby the holder may be secured to or detached from the socket member by the manipulation of a single threaded member, and whereby the lamp shade may be secured to or detached from the shade holder by the manipulation of a single threaded member.

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