April 12, 1927. 1,624,794

W. A. MARTIN

SHADE HOLDER FOR ELECTRIC LAMP SOCKETS

Filed March 22, 1924 2 Sheets-Sheet 1

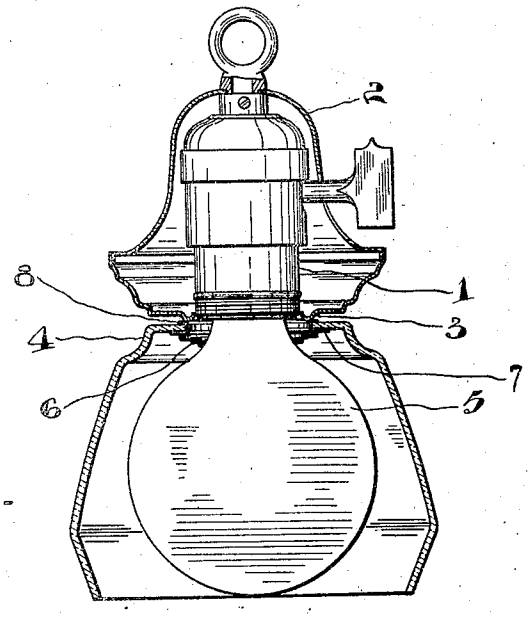


Fig. 1.

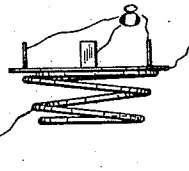


Fig. 3.

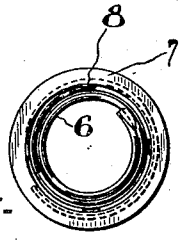


Fig. 4.

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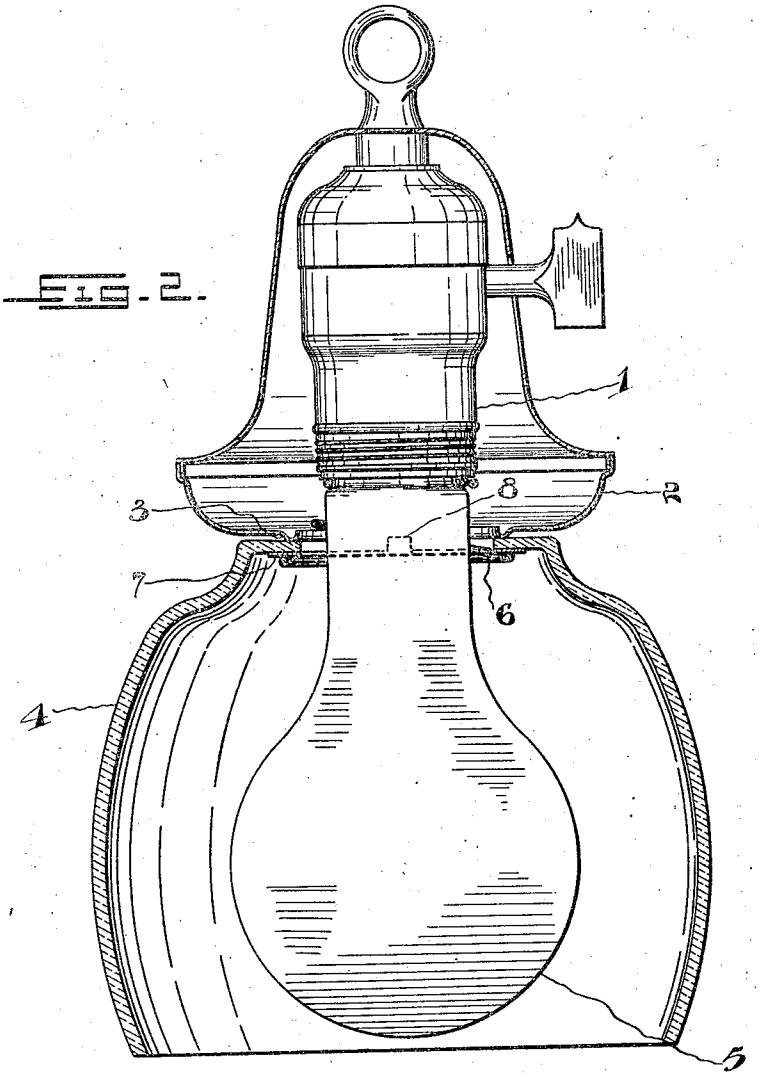
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FIG. 2.



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UNITED STATES PATENT OFFICE.

WILLIAM A. MARTIN, OF TORONTO, ONTARIO, CANADA.

SHADE HOLDER FOR ELECTRIC-LAMP SOCKETS.

Application filed March 22, 1924. Serial No. 701,152.

A demand exists for means for applying shades to electric light sockets in the form of husks and the like, with which shade holders of ordinary type cannot be used, and my object is to provide a shade holder for this type of socket which will securely hold the shade, which is substantially entirely invisible, when in use, and which automatically adjusts itself to a variety of sockets and lamps.

I attain my object by means of the constructions hereinafter described and illustrated in the accompanying drawings in which—

Fig. 1 is an end elevation, partly in section, showing an electric lamp socket and lamp with the shade and shade holder applied thereto;

Fig. 2 a similar view showing the invention as applied to a modified form of socket;

Fig. 3 a side elevation of the holder; and

Fig. 4 a plan view of the same.

In the drawings like numerals of reference indicate corresponding parts in the different figures.

1 is a threaded lamp socket of ordinary type, which is provided with the husk 2 having a shoulder 3 at its under side, against which the rim of the upper opening of the shade 4 may lie. A lamp 5 screws into the socket in the usual manner. Engaging the neck of the lamp and the inside of the shade is a coil spring 6 which, when the lamp is screwed into the socket, is in a state of compression and securely holds the shade in engagement with the shoulder 3 of the husk. It will be noted that this spring is formed as a tapered coil. The reason for this will be evident on examination of Fig. 2 of the drawings.

The husks or canopies, with which a socket is associated, often extend below the opening of the socket proper so that when a lamp is properly screwed in, the portion of its neck engaged by the coil spring will be above the rim surrounding the upper opening of the shade. With a tapered coil, the spring may occupy the inverted position shown in Fig. 2. This tapered formation of the coil thus adapts my shade holder to a large range of different sockets and husks.

As a matter of convenience in shipping and carrying in stock, it is preferable that the shade holder should in effect form part of the shade. For this purpose the larger end of the coil is secured by soldering or otherwise to a metal ring 7, which ring is provided with clips, whereby it may be secured within the rim of the upper opening of the shade. Preferably the clips are formed by fingers 8 integral with the ring and adapted to be bent round the rim of the shade in the manner shown in Figs. 1 and 2 of the drawings. The ends of these clips are inconspicuous and practically invisible when the shade is in position.

It should be understood that the term "electric lamp socket" employed in the appended claims is intended to include not only operative parts by which the lamp is connected with an electric circuit, but also any ornamental husk, canopy or covering employed therewith.

What I claim is:—

1. A shade support for an electric light socket comprising a coil spring adapted at one end to engage the neck of an electric lamp and a ring connected to the other end of the coil and formed with clips adapted to secure the ring within the upper opening of a lamp shade.

2. A shade support for an electric light socket comprising a tapered coil spring adapted at the smaller end to engage the neck of an electric lamp and a ring connected to the other end of the coil and formed with clips adapted to secure the ring within the upper opening of a lamp shade.

Signed at Toronto, Canada, this 6th day of March, 1924.

WILLIAM A. MARTIN.