

A. J. MORGAN.
LAMP SHADE HOLDER.
APPLICATION FILED FEB. 3, 1908.

958,665.

Patented May 17, 1910.

Fig. 1.

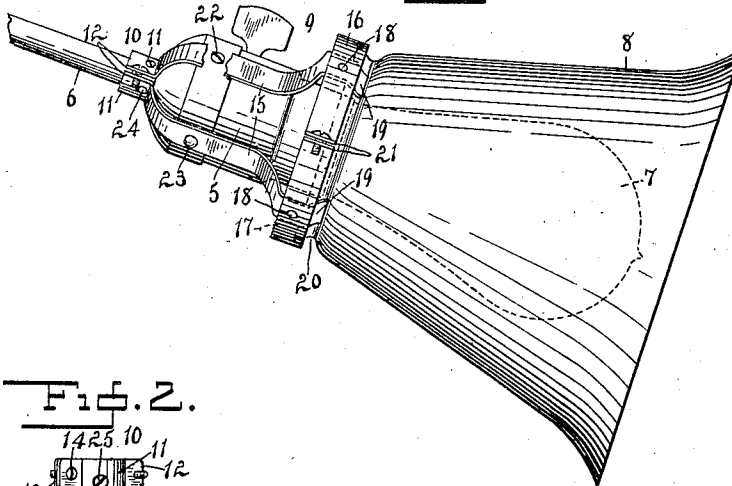


Fig. 2.

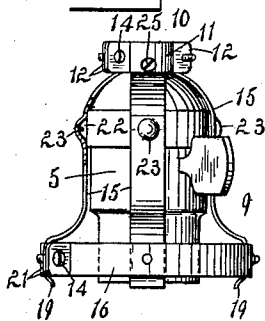


Fig. 3.

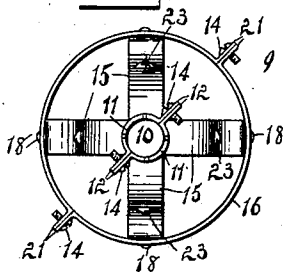
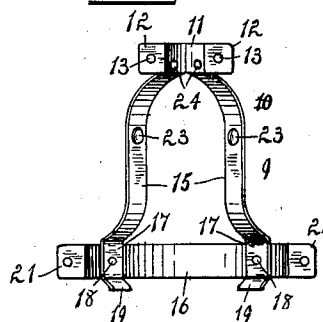


Fig. 4.



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ARTHUR J. MORGAN, OF CHICAGO, ILLINOIS.

LAMP-SHADE HOLDER.

958,665.

Specification of Letters Patent.

Patented May 17, 1910.

Application filed February 3, 1908. Serial No. 413,928.

To all whom it may concern:

Be it known that I, ARTHUR J. MORGAN, citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Lamp-Shade Holders, of which the following is a specification.

My invention relates to lamp shade holders and refers particularly to devices adapted to be attached to the sockets of incandescent electric lamps.

The chief objects of my invention are to provide a simple, convenient, and efficient appliance for retaining shades in position upon electric lamps; and to furnish a holder adapted to be applied to the lamp sockets in common use.

Further objects of my improvements are to provide a holder that can be quickly attached to any socket, and as readily removed therefrom; to furnish clamping means so designed as to utilize constructive elements of the socket to aid in retaining the appliance, and to supply means whereby the shade may be removed and replaced without disturbing the clamped connection between the device and the socket.

I accomplish the desired results by the appliance illustrated in the accompanying drawing which forms a part of this application and which consists, in general, of an open frame work or cage, adapted to inclose and clamp the outer surface of a base or socket of an incandescent lamp of usual form, means for securing the frame in position, and retaining lugs for the shade.

A holder embodying my improvements is shown in the following views.

Figure 1 is a side elevation of an electric lamp showing method of securing a shade thereto by means of my improved shade holder; Fig. 2 is a side elevation of a socket with a holder attached; Fig. 3 is a top elevation of the holder, and Fig. 4 is a side elevation of one section of the holder looking from the inside.

Referring to the details of the drawing the reference numeral 5 indicates an ordinary lamp socket such as is in common use in electric lighting systems.

6 is the tube or stem through which the conductors are led to the socket, and 7 the lamp bulb, shown in dotted outline in Fig. 1, and 8 a shade held in proper position by a framework 9 which constitutes the holder. The said holder is composed of compara-

tively thin metal and is formed in duplicate sections each forming one half the said framework, which is constructed in the following manner.

A band or collar 10, adapted to engage the tube or stem 6, is composed of two semicircular parts 11, each furnished with lateral flanges 12, having holes 13, said parts 11 being securely clamped together when assembled, by screws 14, one of the holes in said flanges in each part being threaded to engage the screw. From this collar 10, arms 15, bent to conform to the curves of the outer surface of the socket 5, pass forward to a suitable distance where they are joined together by a band or ring 16, the ends of the arms being provided with straight portions 17 adapted to engage the surface of said band 16, to which they are secured by rivets 18, or in any other suitable manner. The extremities of the arms are projected beyond the band 16 to form retaining fingers 19 adapted to engage the annular flange 20 with which shades are usually supplied. The band is made up of two pieces each extending a semicircumference as in the case of the collar 10, and are provided with analogous flanges 21, joined together by screws 14, to complete the structure when assembled upon the socket. In the socket of commerce the shell or casing is usually secured to the base by screws 22, furnished with round heads which project to an appreciable extent from the surface of the socket casing, as shown in Figs. 1 and 2. I make use of this feature of the ordinary fixture construction to aid in retaining the holder *in situ* upon the lamp by forming hemispherical bosses 23 upon the flat arms 15. These bosses are formed by swaging or stamping and the under surface presents a concavity in which is received the head of the screw 22. By this arrangement the fixed heads of the screws prevent both rotary and longitudinal movements of the framework and aid materially in retaining the device in place. The collar 10 is also provided with holes 24 to permit the passage of the set screws 25 used to secure the socket to the conducting tube 6. Although only one set screw is employed, several holes 24 are furnished at spaced intervals to permit of latitude in the placing of the holder, and although usually only two of the screws 22 are attached to a single socket each arm is supplied with a recess for the same reason as

given in the case of the holes, thus permitting the clamping screws 14 to be located in convenient position to be reached when they are to be turned.

Previous to assembling, the sections are separated, and to apply the device to a socket the said sections are placed upon opposite sides thereof, with the collar 10 embracing the tube 6 near its connection with the socket base, one of the holes 24 engaging the set screw 25 and the screw heads 22 properly covered by the bosses, the screws 14 in the collar are then set. The shade 8 is now placed within the grasp of the fingers 19 and the screws 14 in the band 16 are tightened thus completely securing the parts in place. It will be seen that the resiliency of the flat arms 15 will permit the shade to be removed or replaced by releasing the screws in the band alone without disturbing the collar.

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

1. A shade-holder for lamps, comprising an inner and an outer collar, resilient arms connecting said collars, said arms adapted to frictionally embrace a lamp socket, and also adapted to engage a lamp shade.

2. A lamp socket and shade holder comprising two collars formed in sections and apart, means for connecting the members of each collar, resilient arms connecting said collars, said arms having their free ends bent to embrace the lamp shade.

3. A shade holder adapted to be applied to a lamp socket, said holder comprising a frame made in separable sections, the members of the frame provided with apertures and recesses adapted to engage projections upon the socket, means for clamping said

sections together, and means for engaging a lamp shade.

4. A shade holder adapted to be applied to a lamp socket, said holder consisting of a separable collar provided with openings for engagement with a projection upon the socket, a series of arms attached to the collar, and furnished with recesses adapted to engage projections upon the socket, a band connecting the ends of said arms, said band being formed in sections, means for clamping the said holder upon a socket, and fingers adapted to engage a shade.

5. A shade holder for electric-lamps composed of an inner and outer collar, each formed of semi-circular members separably connected, arms connecting the said collars together, said arms adapted to frictionally embrace the lamp socket substantially in the manner and for the purpose set forth.

6. A shade holder for electric lamps, composed of two complementary sections, each section consisting of a semi-circular inner collar, a semi-circular outer collar, and arms connecting the corresponding inner and outer collar portions together, and means for detachably connecting said complementary sections together.

7. In combination with an electric lamp socket, having bosses projecting therefrom, a shade holder comprising arms adapted to embrace said socket and having recesses to receive said bosses, and an inner and an outer collar connected by said arms.

In testimony whereof I affix my signature in the presence of two witnesses.

ARTHUR J. MORGAN.

Witnesses:

F. BENJAMIN,
WM. B. MOORE.