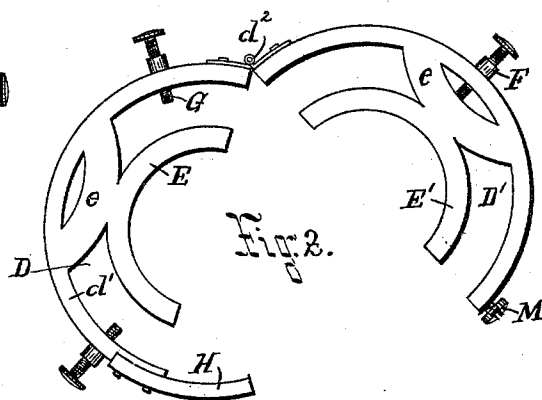
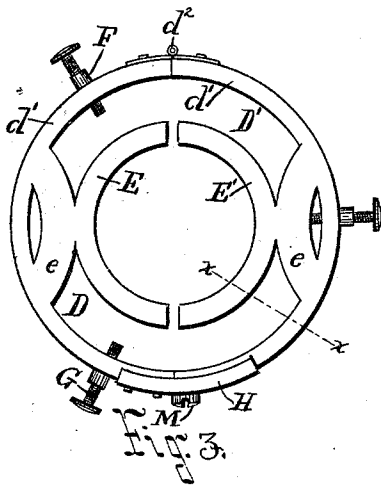
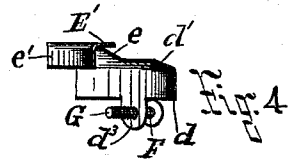
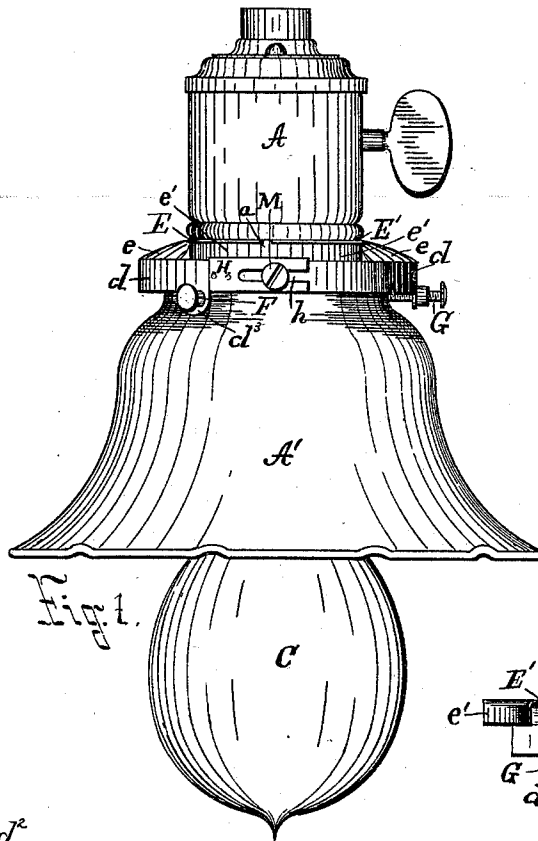


(No Model.)

H. E. WERLINE.
SHADE HOLDER.

No. 509,502.

Patented Nov. 28, 1893.



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY ELMER WERLINE, OF LANCASTER, PENNSYLVANIA, ASSIGNOR OF
THREE-FOURTHS TO FRANK S. BARR, OF SAME PLACE, AND EDWIN L.
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SHADE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 509,502, dated November 28, 1893.

Application filed April 17, 1893. Serial No. 470,760. (No model.)

To all whom it may concern:

Be it known that I, HENRY ELMER WERLINE, a citizen of the United States, residing at Lancaster, in the county of Lancaster and State of Pennsylvania, have invented certain Improvements in Shade-Holders for Electric Sockets, of which the following is a specification.

This invention relates to improvements in that class of devices employed for securing shades to electric sockets above the lamps; and the object of the invention is to produce a cheap and simple shade holder, which can be connected with and removed from the socket without detaching the lamp therefrom. I attain my object by the mechanism illustrated in the accompanying drawings, which forms a part of this specification, and in which—

Figure 1 is a side elevation of a socket, lamp, and shade, a shade holder embodying my invention being shown connecting the socket and shade. Fig. 2 is a top plan view of the shade-holder detached, and shown opened out in position to be engaged with the socket, and Fig. 3 a similar view, showing the shade-holder closed as when embracing the socket. Fig. 4 is a vertical transverse section on the line $x-x$, Fig. 3.

Similar letters indicate like parts throughout the several views.

Referring to the details of the drawings, A indicates the socket; A', the shade; and G, the lamp. These parts are such as are in ordinary use and need not be described.

The shade-holder is annular in outline, as is usual, but is divided diametrically into sections D D'. It is composed of a shade-holding ring formed of semi-circular vertical plates d with upward and inwardly inclined flanges d' and segmental socket clasps E E' supported therefrom by curved brackets e and having depending bearing lips e' . On one side the ends of vertical plates d are connected by a hinge d^2 , operating in the horizontal plane of those plates and at suitable distances apart. Said plates have lips d^3 formed on the lower edges thereof, through which there are openings encircled on the outside by threaded sleeves F, engaged by clamp-

screws G, that engage beneath the upper rim of the shade and secure it in place.

To the swinging end of plate d of section D there is riveted a locking-arm H, having a slot h formed longitudinally therein and open at the outer end; and in the swinging end of plate d of section D' there is a clamp-screw M, the shank of which registers with and is engaged by slot h .

When the shade-holder is to be used it is opened out as shown in Fig. 2 and then closed around the socket with the segments E E' clasping neck a thereof. At the same time slot h engages the shank of clamp-screw M, which has been loosened for the purpose. As soon as segments E E' are closed on neck a clamp-screw M is tightened up and maintains the connection between the swinging ends of sections D D'. The shade is then secured in place by clamp screws G in the usual manner. In detaching the shade-holder these movements are reversed. As will be observed in Fig. 3 the segments E E' do not form a complete circle but have an open space intervening between the adjacent ends, thus, with the elongated slot h , permitting the shade holder to be engaged with sockets of different sizes.

From the foregoing it will readily be understood how easy it is to engage this shade-holder with and disengage it from the socket from which no other parts need be detached for the purpose.

I do not limit myself to the details of construction of the shade-holder; neither do I restrict myself to the particular construction and arrangement of parts by which the swinging ends of the sections are locked together, the invention consisting broadly in a shade-holder divided into sections hinged together at one end and detachably connected at the other.

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

1. A shade-holder divided into sections hinged together at one end, the swinging end of one section being provided with a clamp-screw and the swinging end of the other section with an open-ended slot registering with

and adapted to engage the shank of the clamp-screw, substantially as and for the purpose specified.

2. In a shade-holder, the combination, with
5 a shade-holding ring split on one side and having the free ends detachably connected and expansible at right angles with the axis of the socket, of supports rigidly secured to opposite sides of the shade-holding ring, and
10 a section of a socket-clasp permanently attached to each of said supports substantially as and for the purpose specified.

3. In a shade-holder divided into sections, the combination, with a shade-holding ring
15 having one end of the sections thereof hinged together and the other ends detachably and adjustably connected, of a section of a socket-clasp of a length less than half a circle per-

manently attached to each of said sections, substantially as and for the purpose specified. 20

4. In a shade-holder divided into sections, the combination, with a shade-holding ring having one end of the sections thereof hinged together, of a clamp-screw connected with the swinging end of one of said sections, an
25 open ended slot formed in the swinging end of the other section and registering with and adapted to engage the shank of the clamp-screw, and segmental socket-clasps supported by the shade-holding ring, substantially as
30 and for the purpose specified.

HENRY ELMER WERLINE.

Witnesses:

J. K. BARR,

WM. R. GERHART.