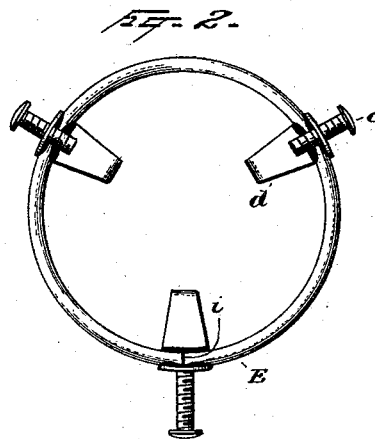
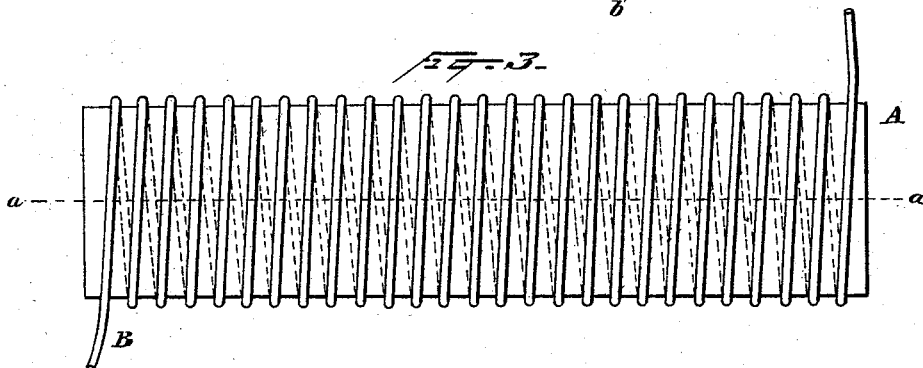
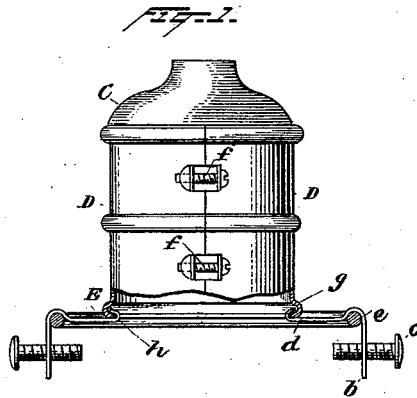


(No Model.)

J. HUTCHINSON.
SHADE HOLDER.

No. 522,596.

Patented July 10, 1894.



Witnesses
Norris A. Clark.
George B. Crouk.

Inventor
Joseph Hutchinson
By his Attorneys
J. A. Frey

UNITED STATES PATENT OFFICE.

JOSEPH HUTCHINSON, OF NEW YORK, N. Y.

SHADE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 522,596, dated July 10, 1894.

Application filed September 7, 1892. Serial No. 445,223. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH HUTCHINSON, a citizen of the United States, residing at New York city, in the county and State of New York, have invented a certain new and useful Improvement in Shade-Holders, of which the following is a specification.

The object of my invention is to provide a cheap, simple and effective form of shade-holder.

The shade-holder which constitutes my invention is in its main features adapted for use both with incandescent electric lamps and with gas burners, but certain details of its construction are intended for use with incandescent electric lamps and are especially adapted to that purpose.

In the accompanying drawings, Figure 1 is a horizontal section of a shade-holder embodying my invention attached to an incandescent electric lamp socket of a kind to which the particular form of shade-holder shown is especially adapted. Fig. 2 is a bottom view of the same shade-holder; and Fig. 3 illustrates a process which may be employed of making the shade-holder.

In constructing a shade holder embodying my invention I prefer to spirally wind upon a mandrel A a wire B of brass or other suitable metal, and I then cut through the spirals of the wire as indicated by the dotted line *a-a* in Fig. 3, whereby I form a number of rings of wire, each with its ends meeting. Each of these rings E forms the body of a shade-holder, and I attach to the ring separate arm-pieces which are preferably made of flat metal of the form shown, that is to say, being bent so as to form a downwardly projecting lug *b* which receives the set-screw *c* to hold the shade, the inwardly extending hooked arm *d*, for a purpose to be presently explained, and a depression or groove *e* in which the wire ring is laid and secured preferably by solder. One of these arm-pieces is, as shown in Fig. 2, attached to the ring at the point *i* where its ends meet, and therefore serves to join the ends of the ring together into a complete circle.

C, Fig. 1, represents a socket for an incandescent electric lamp, the socket being of that

character in which there is an external metal shell made in two parts D, D clamped together by screws *f, f*, which pass through lugs on the two halves of the shell. The shell D, D is provided at its lower end with a curved lip *g*, and this lip is engaged by the hooks *h* at the inner ends of the arm-pieces, so that upon the two halves of the shell D being drawn together by the screws *f*, the shade-holder is thus clamped firmly in place upon the socket, which is in turn supported upon the fixture, as will be well understood.

What I claim is—

1. In a shade-holder, the combination of a ring of round wire and separate arm-pieces of flat metal secured thereto, each of said arm-pieces being formed as set forth, that is to say, having a part extending perpendicularly to the plane of the ring to receive the set screw, an inwardly extending part for attachment to a support, and a groove for the reception of the wire, substantially as set forth.

2. In a shade holder the combination of a ring of wire having meeting ends, and arm pieces secured thereto, each consisting of a flat piece of metal, having a groove for the reception of the wire and extending inwardly for attachment to a support, one of said arm pieces being secured to the ring at the point where the ends meet, substantially as set forth.

3. The combination with a shade-holder having inwardly extending arms with hooked ends, of a lamp socket provided with a curved lip for engaging the said hooked ends, substantially as set forth.

4. The combination with a shade-holder having inwardly extending arms with hooked ends, of a lamp socket provided with a divided shell and means for clamping the parts of said shell together, said shell having a curved lip engaging said hooked ends, substantially as set forth.

This specification signed and witnessed this 1st day of September, 1892.

JOSEPH HUTCHINSON.

Witnesses:

E. W. STEVENSON,
S. STANNIOR.