

W. C. TREGONING.
SHADE HOLDER FOR ELECTRIC LAMPS.
APPLICATION FILED APR. 8, 1909.

991,762.

Patented May 9, 1911.

Fig 1

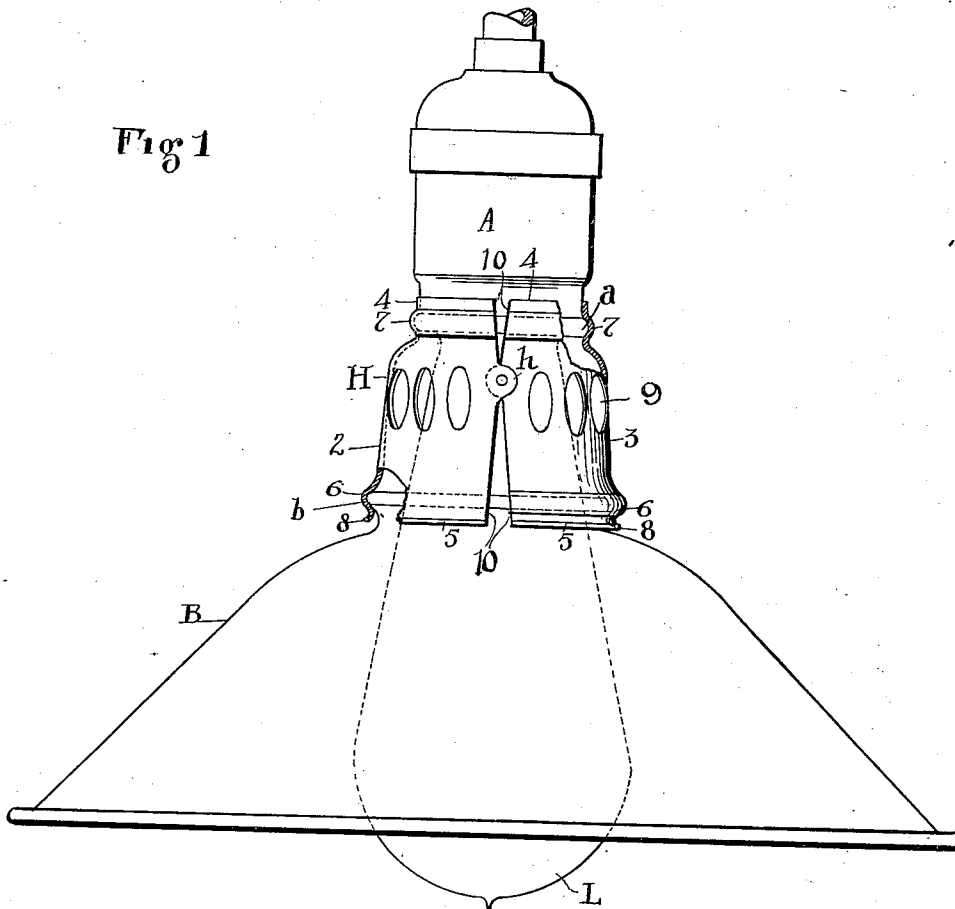
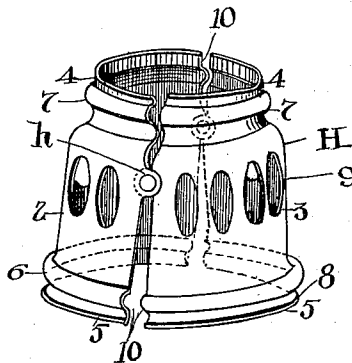


Fig.2.



ATTEST
E. M. Fisher
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UNITED STATES PATENT OFFICE.

WILLIAM C. TREGONING, OF CLEVELAND, OHIO, ASSIGNOR TO THE TREGONING ELECTRIC MANUFACTURING COMPANY, OF CLEVELAND, OHIO, A CORPORATION.

SHADE-HOLDER FOR ELECTRIC LAMPS.

991,762.

Specification of Letters Patent.

Patented May 9, 1911.

Application filed April 8, 1909. Serial No. 488,582.

To all whom it may concern:

Be it known that I, WILLIAM C. TREGONING, citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Shade-Holders for Electric Lamps, of which the following is a specification.

My invention relates to shade holders for electric lamps, and the invention consists in a shade holder constructed substantially as hereinafter described and more particularly pointed out in the claims.

My object is embodied in a shade holder adapted to clamp itself upon a lamp socket when the shade is inserted in the holder and whereby the shade is also clamped and held therein by the same action.

In the accompany drawings, Figure 1 is a side elevation of my shade holder partly broken away at its clamping edges, and showing the same in clamping engagement with an electric light socket and a shade. Fig. 2 is a perspective view of the holder alone.

The electric lamp socket with which my invention is particularly applicable is represented in the drawings by A, and such sockets are usually of a standard size and have an annular bead *a* at their bottom, and the shades or globes B in general use, although of varying sizes and shapes, are also more or less of standard size, especially at their upper ends where they are provided with an outwardly turned annular flange or bead *b*. Bearing these general characteristics of the said parts in mind, I construct a holder H to have detachable clamping engagement with beads *a* and *b* of socket A and shade B, respectively, and whereby both the shade and the holder will be supported from the socket without the agency of screws or other fastening devices. Thus, holder H consists of a tubular body formed in two halves or pieces 2 and 3, respectively, hinged together through ears *h* thereon, and each piece is semi-circular in cross section and made of spring brass or similar material having sufficient flexibility to permit spring engagement between the holder and the socket and the shade. Each piece named is a duplicate of the other, and has a relatively smaller diameter at its top portion —4— than at its bottom portion —5—, to correspond with the difference in diameters of

the sockets A and shades B in general use. This produces a flaring or substantially bell shaped holder which is not only attractive in appearance but which also possesses greater spring or yield at its bottom than at its top, thereby adapting shade B to be inserted to seat its flange or bead *b* within a circular recess or channel 6 formed annularly within the bottom portion —5— of the respective halves of the holder. A similar recess or channel 7 is formed within the top or band portion —4— of each part of the holder and which channel is adapted to receive and snugly seat bead *a* of socket A and cause interlocking of the holder therewith, especially when shade B is confined with its edge *b* in channel 6 of the holder. The lower edge 8 of the holder pieces is bent outwardly from channel —6— to facilitate placing of the shade into holder H and to spread the bottom end thereof when thus inserted. The pivot or hinged point at ears *h* of the holder pieces is also preferably located relatively nearer to the top of the holder than the bottom to give a greater measure of yield or spring at the lower end, and perforations or openings —9— are also made at equally distant points annularly of the holder pieces to still further increase the flexibility and spring action of the holder by removing the stock at that point as it must be borne in mind that the holder is circular in cross section and would otherwise largely offset this spring action. Openings 9 also permit the escape of heat from lamp L and a free circulation of air through the shade and holder, respectively.

The meeting edges —10— of the respective halves —2— and —3— of the holder are preferably inclined away from each other from ears *h* outward to permit a free and uninterrupted play between said parts during removal or replacement of the shade.

Obviously, the construction of holder as described may be variously modified without materially departing from the scope and spirit of the invention, as for example as shown in my co-pending application bearing Ser. No. 488,583, and the claims herein are to be interpreted with this thought in view.

What I claim is:

1. A self-clamping shade holder for electric lamps comprising a tubular body of relatively thin material split from edge to edge lengthwise and pivotally connected

across its split portion and constructed within its upper and lower edges to make clamping connections with both the lamp and the shade, said pivot connections being arranged intermediate the edges of the holder to cause contraction of the upper edge when a shade is inserted in clamping relation within the lower edge.

2. A shade holder for electric lamps comprising a tubular body of spring metal having annular seating channels in its top and bottom, respectively, said body split lengthwise and connected across its split by a fixed pivot in respect to which the ends of the holder are adapted to open and close respectively, and said holder relatively smaller in cross section at the top than at the bottom and constructed at both top and bottom to simultaneously clamp parts therein.

3. An electric lamp socket having an annular bead at its bottom and a shade having an annular bead at its top, in combination with a split tubular holder of spring material having annular channels in its ends engaged over said beads in said socket and shade respectively and provided with pivots

between said sections, whereby the holder is automatically clamped upon the socket when the shade is placed therein.

4. A shade holder for electric lamps comprising a tubular body of spring material formed in a plurality of pieces hinged together between its ends and constructed top and bottom to make clamping engagement with a lamp socket and a shade, respectively, the said pivots being in the upper half of the holder.

5. A shade holder for electric lamps comprising a pair of semi-circular pieces of spring metal hinged together between their upper and lower edges and provided with openings in their sides and annular channels in both ends, the lower edge of the holder being curved outward below the lower channel therein.

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

WILLIAM C. TREGONING.

Witnesses:

E. M. FISHER,
F. C. MUSSUN.