

(No Model.)

E. F. GENNERT & J. F. CUNNINGHAM.
SHADE HOLDER.

No. 480,425.

Patented Aug. 9, 1892.

Fig. 1

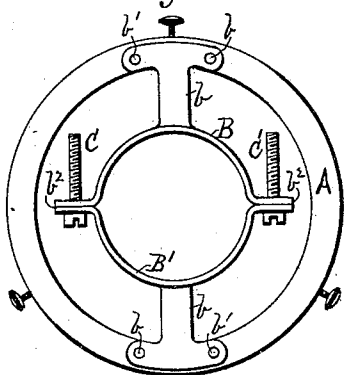


Fig. 2

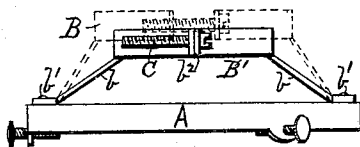


Fig. 3

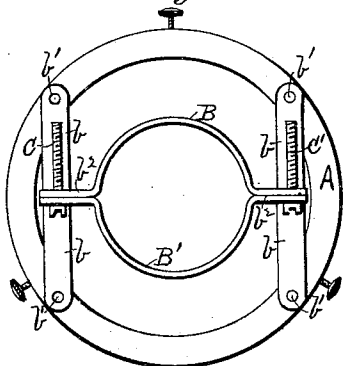


Fig. 4

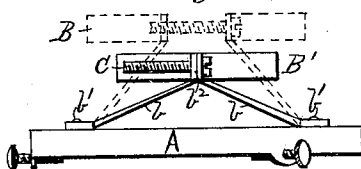


Fig. 5

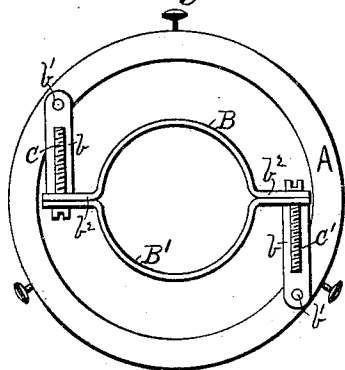
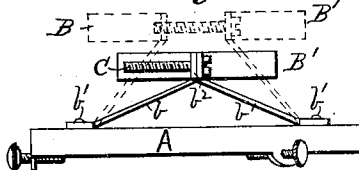


Fig. 6



WITNESSES:

Charles H. Terwilliger
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BY

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UNITED STATES PATENT OFFICE.

EMIL F. GENNERT AND JAMES F. CUNNINGHAM, OF NEW YORK, N. Y.

SHADE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 480,425, dated August 9, 1892.

Application filed January 14, 1892. Serial No. 418,015. (No model.)

To all whom it may concern:

Be it known that we, EMIL F. GENNERT and JAMES F. CUNNINGHAM, citizens of the United States, and residents of the city, county, and State of New York, have invented a new and useful Improvement in Shade-Holders, of which the following is a specification.

Our invention relates to improvements in shade-holders in which the collar by which the shade-holder is attached to the lamp or other fixture is provided with means of adjustment, enabling it to be fitted to several sizes of lamps or fixtures, so that it will be concentric with each size.

Figures 1 and 2 are top and side views, respectively, of one modification of our invention. Figs. 3 and 4 are top and side views, respectively, of another modification. Figs. 5 and 6 are top and side views, respectively, of another modification.

Similar letters refer to similar parts in all views.

The shade-holding ring A, of the usual construction, is connected with the adjustable collar B B' by arms b, which are riveted at b' to A. The collar B B' consists of the two similar halves B and B', each half having ears b² projecting from each end. Screws C C' pass through the ears b². The halves B and B' of the collar may be adjusted so as to fit any desired number of lamps or fixtures by manipulating the screws C C'. In all the figures the ears b² are shown in full lines close together, in which position they are fitted to the smallest lamp or fixture desired. In Figs. 2, 4 and 6 the dotted lines show the position of the collar B B' when adjusted for larger lamps or fixtures. The collar B B' and arms b are sufficiently flexible to conform to the lamp or fixture to which the globe-holder is attached under the strain of the adjusting-screws C C'. When attached, the collar and arms are firm and rigid.

In the modification shown in Figs. 1 and 2 the arms b are united to the collar B B' at a point midway between the ears b².

In the modification shown in Figs. 1 and 2 the arms b are united to the collar B B' at the ears b². In this example there is but one arm to each part B B'. The collar and arms can be formed from one piece of metal. B and B' are exact counterparts of each other.

What we claim is—

1. In a shade-holder, an attaching-collar formed of two pieces which are counterparts of each other, substantially as specified.

2. In a shade-holder, a shade-holding ring, in combination with an adjustable collar composed of two parts that are counterparts of each other, each part being connected with the ring at one end and connected by means of screws at the other end, substantially as specified.

3. A shade-holder composed of a shade-holding ring and collar, the collar consisting of two pieces that are counterparts of each other, united by means of two screws for adjusting the size of the ring, substantially as specified.

4. In a shade-holder, an attaching-collar capable of being adjusted to several sizes of lamps or fixtures, consisting of two pieces that are counterparts of each other, whereby the shade-holding ring is maintained concentric with the fixture, substantially as specified.

In testimony that we claim the foregoing as our invention we have signed our names, in presence of two witnesses, this 13th day of January, 1892.

EMIL F. GENNERT.
JAS. F. CUNNINGHAM.

Witnesses:

HARRY WELCH,
CHARLES W. TERWILLIGER.