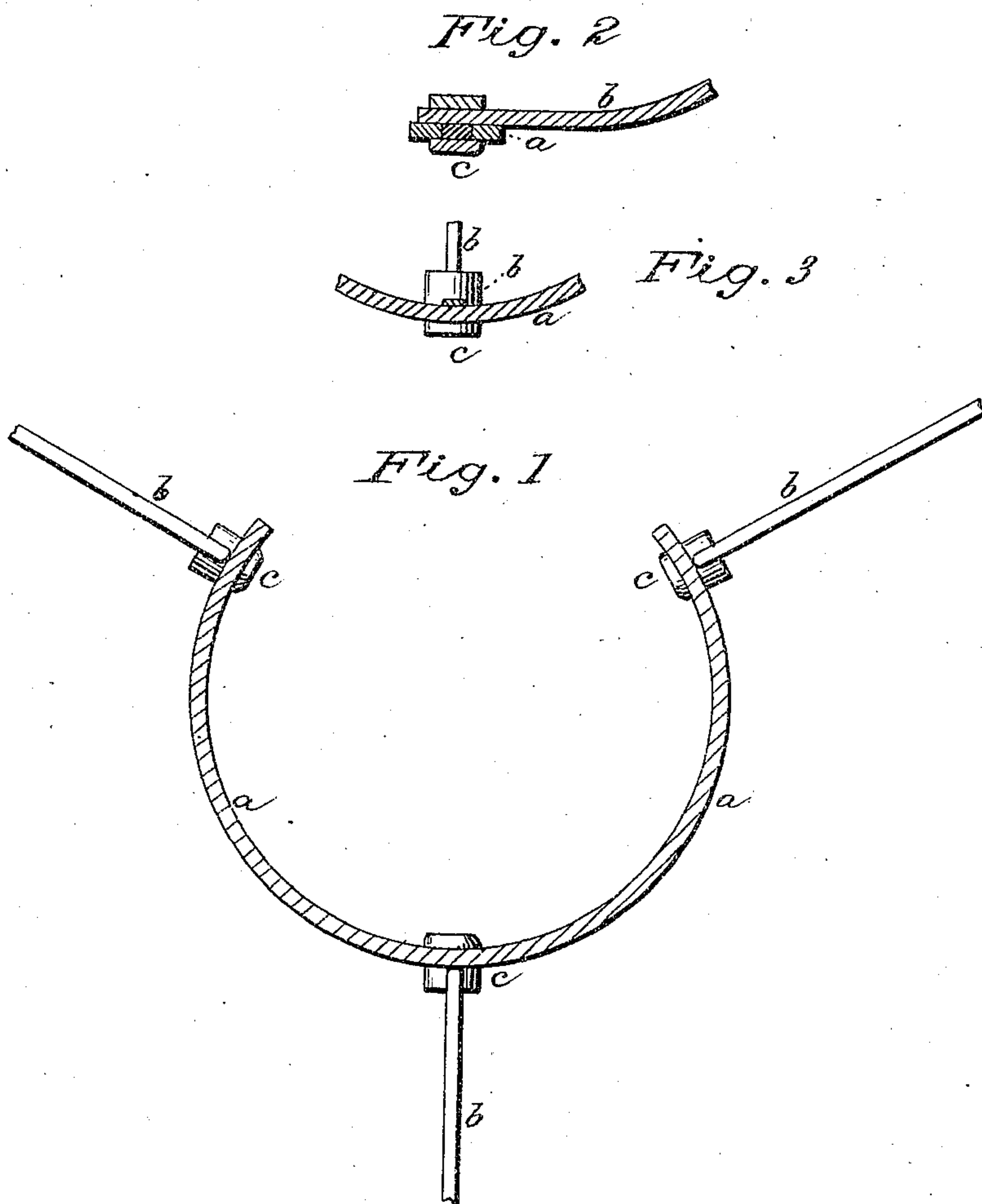


C. W. EMERSON.
Lamp-Shade Supporter.

No. 95,575.

Patented Oct. 5, 1869.



Witnesses
The Hutchinson
Jenny W. B. Bys

Inventor
C. W. Emerson

UNITED STATES PATENT OFFICE.

C. W. EMERSON, OF HARTFORD, CONNECTICUT, ASSIGNOR TO HIMSELF AND
JOHN C. ABBOTT, OF SAME PLACE.

IMPROVEMENT IN LAMP-SHADE SUPPORTERS.

Specification forming part of Letters Patent No. 95,575, dated October 5, 1869.

To all whom it may concern:

Be it known that I, CHARLES W. EMERSON, of Hartford, county of Hartford, and State of Connecticut, have invented certain new and useful Improvements in Lamp-Shade Supporters; and to enable others skilled in the art to make and use the same, I will proceed to describe its construction and operation, referring to the drawings, in which the same letters indicate like parts in each of the figures.

The nature of this invention consists in firmly securing the wire arms or shade-supporters to the clasps which grips the lamp-top, and holds the shade in position without the use of solder.

The object of this invention is to firmly secure the arms to the spring-clasp, and without the use of flux, acid, and solder, which render the connection unsightly, and not reliable to hold the wire arms in place.

In the accompanying drawings, Figure 1 is a top or edge view of the clasp-band and section of the arms for supporting the shade. Fig. 2 is a vertical section cut through the arm-rivet and clasp-band. Fig. 3 is an edge view of the clasp-band, rivet, and shade-arm from the opposite side of Fig. 1, showing how the arm is flattened before being inserted into the rivet-orifice.

a is a spring clasp-band, of proper width and thickness, of about two-thirds of a circle in length, (more or less,) for the purpose of sufficiently encircling the neck or body of the lamp-head to firmly hold it in place. *b* are arms for supporting the shade. *c* are rivets

or pieces of wire, cut to a proper length, through which holes are made about the size of the diameter of the wire arms *b*. Holes are also made in the clasp-band the size of the rivet *c*, and about one-third of the diameter from center to center of the circle it occupies when placed upon the lamp or gas trimmings. The ends of the arms *b* are flattened, then inserted into the hole in the rivet, and the rivet inserted into the band *a*, and the rivet hammered endwise, which firmly secures the arm to the band without the use of solder, flux, or acids of any kind, thus preventing the irksome work of soldering, cleaning, &c., after soldering, and the disfigured appearance produced by the action of acid upon the solder, which is blackened, and renders the fixture soiled and unsightly in appearance, whereas by this invention the parts of this article are firmly secured together and produce a neat, slightly, and merchantable appearance.

I believe I have thus shown the nature, construction, and advantage of this invention, so as to enable others skilled to make and use the same therefrom.

What I claim, therefore, and desire to secure by Letters Patent, is—

Securing the arms *b* to the spring clasp-band *a* by means of the rivet *c*, as an improved manufacture of lamp-shade supporters.

C. W. EMERSON. [L. S.]

Witnesses:

H. W. HUTCHINSON,
JEREMY W. BLISS.