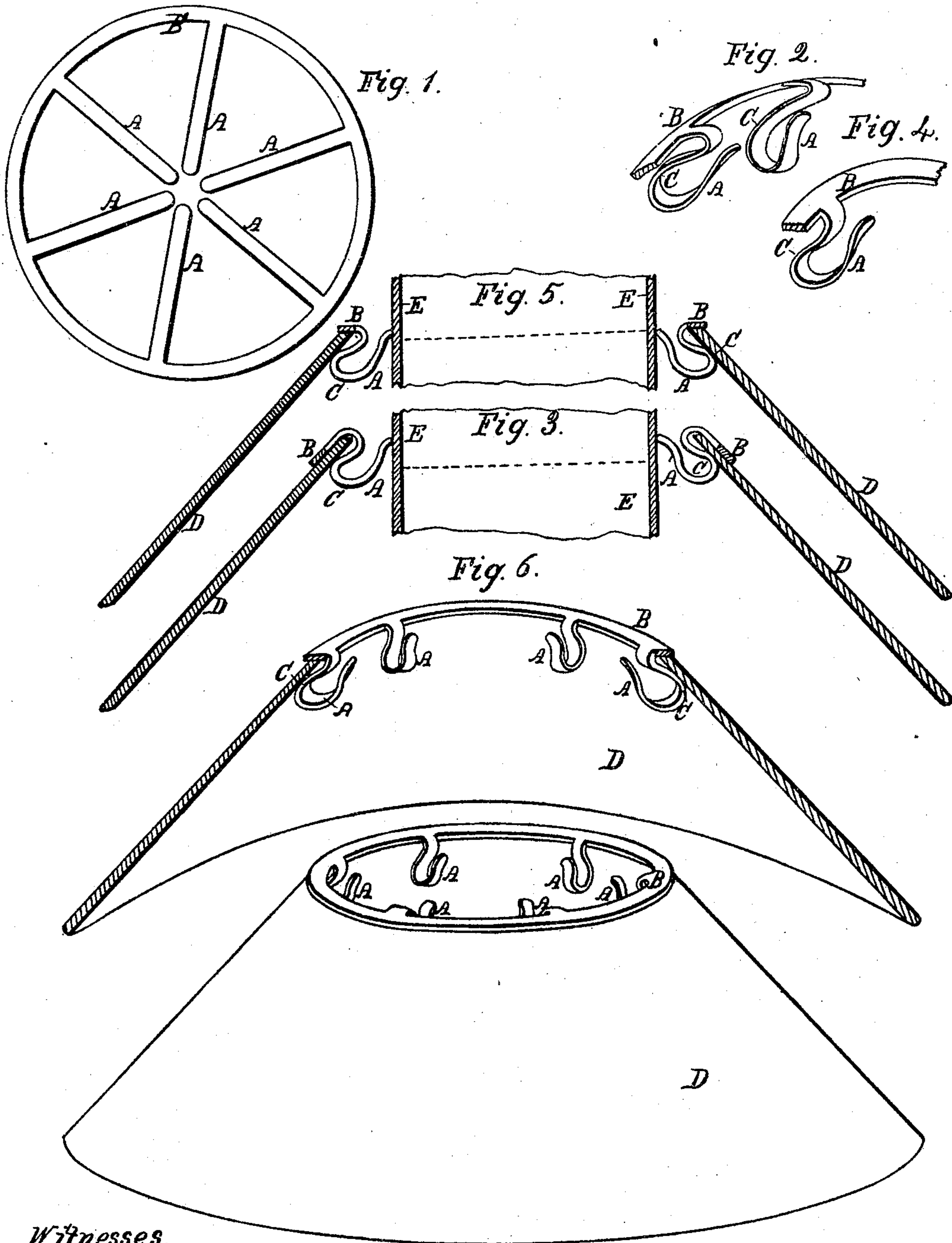


J. B. ALEXANDER.

Lamp Shade.

No. 101,409.

Patented April 5, 1870.



Witnesses.

John Little
Henry Cox

Fig. 7.

Inventor.

J. B. Alexander.

UNITED STATES PATENT OFFICE.

JOSEPH B. ALEXANDER, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN LAMP-SHADE SUPPORTERS.

Specification forming part of Letters Patent No. 101,409, dated April 5, 1870.

To all whom it may concern:

Be it known that I, JOSEPH BELL ALEXANDER, of Washington, in the District of Columbia, have invented a new and useful Improvement in Lamp-Shade Supporters; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a plan view of the lamp-shade supporter as cut out from the metal sheet; Fig. 2, the form of bending the spring-prongs from a concavo-convex ring; Fig. 3, a vertical section of the lamp-shade, shade-supporter, and chimney, the supporter being formed as in Fig. 2; Fig. 4, the form of bending the spring-prongs from a flat ring; Fig. 5, a vertical section of the lamp-shade, shade-supporter, and chimney, the supporter being formed as in Fig. 4; Fig. 6, a vertical section of a glass or other non-elastic lamp-shade, with supporters, showing one-half of each in perspective; and Fig. 7, a side view, in perspective, of an entire shade with its supporter.

Similar letters of reference denote like parts wherever they occur in the several figures, as follows:

A are spring tongues or prongs concentrating from the ring B; B, a ring, which may be horizontal and flat, as in Figs. 4, 5, 6, and 7, or conical or concavo-convex, as in Fig. 2 and 3; C, the shoulder of the spring-prongs A, and showing the point of support of the lamp-shade; D, the lamp-shade; E, the glass chimney.

The nature of my invention consists in a new device for supporting a lamp-shade adjustably upon the glass chimney of a lamp.

To enable others to construct my improvement, I will proceed to describe the same, as illustrated in the accompanying drawings.

With a suitable die, from thin and springy sheet metal may be struck a form, as seen in Fig. 1, being a wheel with a rim, B, and three, six, or more spokes projecting toward a center, without a hub, and lettered A. This piece, so formed, may be termed the "blank." This blank, with proper dies, may be now

struck so as to form the spring-prongs A into the shape of the letter S, and the rings B concavo-convex, or like a conical hoop, as seen in Figs. 2 and 3; or the same blank may be struck so as to force the spring-prongs A downward with a recurve, forming a hook of each, while the ring B may be left flat and horizontal, and may be made plain and smooth or ornamental. (See Figs. 4, 5, 6, and 7.) The shade-supporter thus complete may now be attached to the shade, thus: The spring-prongs A A A A A must be pushed downward through the upper opening of the shade D, (see Fig. 7,) so that each prong shall spring back from the center and sustain the shade upon its shoulder C. (See Figs. 3, 5, and 6.) The upper rim of the shade D must be so made that the ring B of the supporter will lie upon its upper edge, as in Figs. 5, 6, and 7, or upon its upper outer side, as in Fig. 3. The supporter, thus inserted into and upon the upper opening of the shade, attaches itself to the shade by grasping it between the ring B and the shoulders C C C of the prongs A A A, and the shade, with its supporter, may now be slipped upon the glass chimney E (Figs. 3 and 5) and adjusted at will, as the points of the spring-prongs A A A, bearing upon the sides of the glass chimney, will sustain the shade upon the chimney at any desired point.

What I claim as new, and as of my invention, and desire to secure by Letters Patent, is—

A lamp-shade supporter having as its elements a ring which shall rest on the upper edge of a conical lamp-shade, being too large in diameter to pass through it, and from which ring three or more tongues or prongs shall pass downward into the shade and be bent backward, so as to form shoulders against the inner conical surface of the shade, while said prongs are recurved upward, so that their points shall act as spring-clamps upon the glass chimney of a lamp, substantially as and for the purpose set forth.

J. B. ALEXANDER.

Witnesses:

JOHN LITTLE,
HARRY COX,