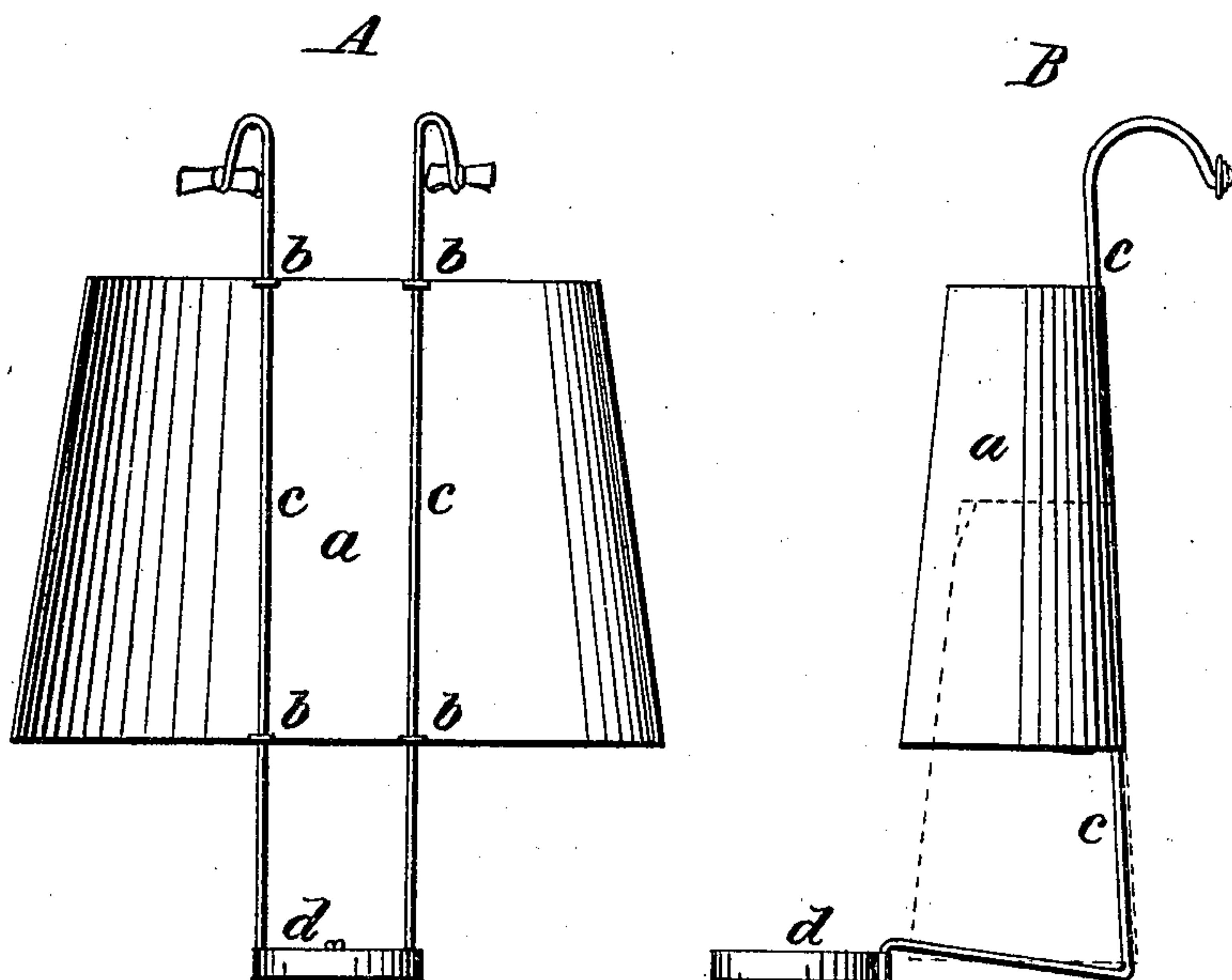


E. K. HAYNES.  
LAMP SHADE.

No. 71,168.

Patented Nov. 19, 1867.



Witnesses:

J. B. Kidder  
M. W. Frothingham.

Inventor:

E. K. Haynes, by  
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Attys

# UNITED STATES PATENT OFFICE.

E. K. HAYNES, OF HANOVER, NEW HAMPSHIRE.

## IMPROVEMENT IN LAMP-SHADES.

Specification forming part of Letters Patent No. 71,168, dated November 19, 1867.

*To all whom it may concern:*

Be it known that I, E. K. HAYNES, of Hanover, in the county of Grafton and State of New Hampshire, have invented an Improved Lamp-Shade; and I do hereby declare that the following, taken in connection with the drawing which accompanies and forms part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

In the use of what is well known as the "kerosene-lamp" it is customary to surround the glass chimney with a conical or frusto-conical shade, to protect the eyes of persons sitting in the vicinity of the lamp from the direct glare of the flame, and such conical shades have been in use for many years upon other kinds of lamps. It is very often the case, however, and especially so where the light is being used by only a single person, that it is only desirable to shade so much of the flame as reflects directly upon such person, letting the blaze reflect to all other parts of the room unobstructedly, and it is to the construction of a shade for this purpose that my invention relates.

The invention consists in a segmental shade, or one made to be placed opposite to and to cover but one side of a lamp chimney and flame, the shade being mounted upon two or more wires, or a wire frame, from which projects a horizontal extension, bearing a ring to support the shade upon the lamp, the shade being made movable vertically upon its frame.

The drawing represents a shade embodying the invention, A showing an inner view, and B a side elevation of the same.

*a* denotes the shade, made of paper or other

suitable material, more or less transparent or opaque, as may be desirable, and preferably of the segment of a circle in horizontal section, so that all parts of it in any horizontal plane shall be equidistant from the center of the lamp. At the top and bottom edge of the shade wire eyes or loops *b* are fixed, and through these eyes upright wires *c* are passed, these wires being bent at nearly a right angle at their lower ends and extending from a ring, *d*, and making up, with such ring, a frame for supporting the shade. The wires bind tightly enough in the eyes *b* to hold the shade firmly in any position, but not so tightly as to prevent the shade being moved up and down, so as to adjust it in height to the particular lamp upon which it may be placed, or the position of the person from whose face the reflection of the flame is to be intercepted. By having the shade thus supported upon a frame it can readily be moved up and down without disturbing the position of its whole surface concentrically to the flame, and such a shade is found to be a great convenience in protecting the eyes, without detracting from the general illuminative influence of the light, having in this respect a great advantage over the common frusto-conical shades.

I claim—

A segmental lamp-shade supported upon a frame of wires, constructed substantially as described, and on which it is made adjustable as to height.

E. K. HAYNES.

Witnesses:

J. B. CROSBY,  
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