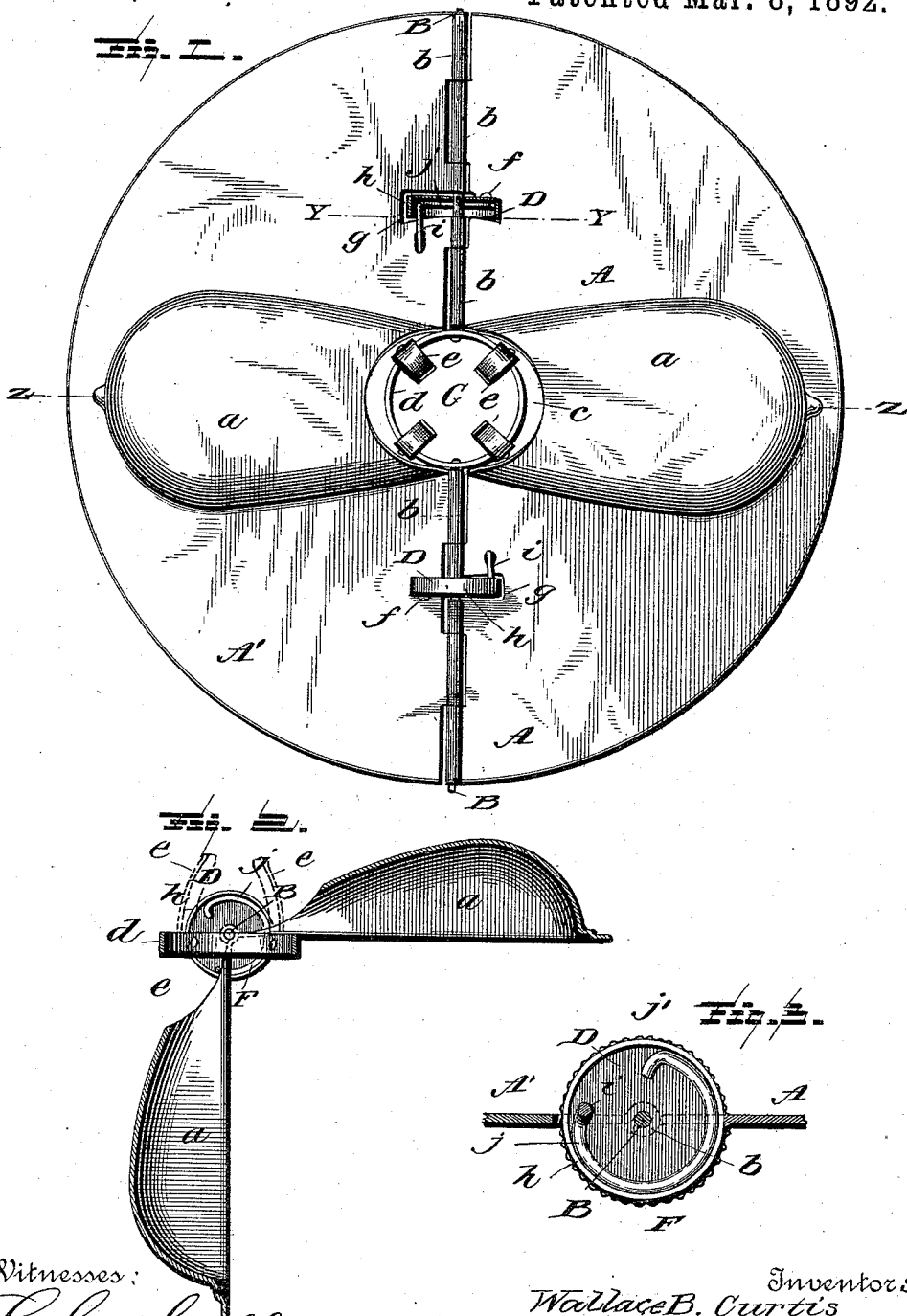


(No Model.)

W. B. CURTIS & C. HIMROD.
LAMP SHADE.

No. 470,371.

Patented Mar. 8, 1892.



Witnesses:

L. C. Hills
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UNITED STATES PATENT OFFICE.

WALLACE B. CURTIS, OF POMEROY, AND CHARLES HIMROD, OF JACKSON,
OHIO.

LAMP-SHADE.

SPECIFICATION forming part of Letters Patent No. 470,371, dated March 8, 1892.

Application filed July 31, 1891. Serial No. 401,293. (No model.)

To all whom it may concern:

Be it known that we, WALLACE B. CURTIS, residing at Pomeroy, in the county of Meigs and State of Ohio, and CHARLES HIMROD, residing at Jackson, in the county of Jackson and State of Ohio, citizens of the United States, have invented certain new and useful Improvements in Lamp-Shades; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

This invention relates to certain new and useful improvements in lamp-shades designed more particularly for electric lamps; and it has for its object, among others, to improve upon the device for which a patent was granted to us January 27, 1891.

It has for its object, among others, to provide a simple, cheap, and neat-appearing shade in which the provisions for holding the shade in any and all of its adjusted positions shall be simple, neat, and cheap and in which the holder and hinge shall be common to each other, the portion of one serving to co-operate with the other and the holder being practically hidden from view by the hinge.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a top plan of our improved shade opened and with a portion of one of the hinges shown in section. Fig. 2 is a section thereof on the line *z z* of Fig. 1 with one portion of the shade folded, the section being on a smaller scale than Fig. 1. Fig. 3 is a cross-section on the line *y y* of Fig. 1.

Like letters of reference indicate like parts throughout the several views in which they occur.

Referring now to the details of the drawings by letter, A designates one of the two halves of the shade, and A' the other. Each half is substantially semicircular in outline,

and is formed with a depression *a* to receive the bulb, (not shown,) the general construction of the shade being of any approved form, preferably substantially like that described and shown in our prior patent above referred to.

The adjacent edges of the two halves of the shade are provided with ears *b*, through which the pivot-rod B passes. This pivot-rod is in two pieces, terminating at the central opening *c*, where it has connected with its ends the holder C, which consists of the ring *d*, to which are attached in any suitable manner the spring-arms *e*. This holder can be turned upon its pintles to accommodate it to any desired angle. Between its ends the pivot-rod has secured thereto the disks D, two in number, one upon each side of the central opening, which disks may be secured to the rod in any suitable manner, or they may be secured to the two halves of the shade by solder, as indicated at *f* in Fig. 1, or otherwise. The two disks should be secured to diametrically-opposite portions of the two halves, as seen in Fig. 1. These disks are located in openings *g* in the adjacent edges of the two halves of the shade, and are formed with the surrounding flange *h*, the flanges of the two disks being oppositely arranged, extending toward each other, as seen in Fig. 1. These disks form guides for the two halves of the shade in turning, but they serve an additional function. Secured to diametrically-opposite portions of the two shade-halves are the wires F, which for a short distance extend substantially parallel with the pivot-rod, as shown at *i*, and then coiled around, as shown at *j*, the coil being arranged within the space inclosed by the flange of the disk and arranged to bear upon the inner surface of the said flange, as seen best in Figs. 2 and 3, the friction being such that, while the two halves of the shade can be turned upon their pivot, they will be held in any position by the frictional contact or bearing of the brake-wire upon the inner face of the flange of the disk.

We may sometimes mill or roughen the outer periphery of the disk, as shown at *j'* in Fig. 3, so that it may be turned by the hand when desired to adjust the shade.

The brake-wire is concealed by the flange of the disk and is protected thereby, so that it is not liable to become deranged or inoperative from clogging with dust and dirt.

- 5 The shade and all the parts may be made as ornamental as may be desired.

What we claim as new is—

- 10 1. A shade composed of hinged halves combined with disks on the pintle of the halves and a brake on the shade acting upon the disks, as set forth.

- 15 2. A shade composed of hinged halves, combined with disks on the pintle of the halves and provided with flanges, and wire brakes fixed relatively to the halves and acting upon the inner faces of the said flanges, as set forth.

- 20 3. The combination, with a shade composed of hinged halves, of flanged disks arranged upon the pivot-rod of the said halves and working in openings in the adjacent edges thereof, said disks being fixed relatively to

the opposite halves, as set forth, and wire brakes fixed to opposite halves and arranged to act upon the inner faces of the flanges of the disks, as set forth.

- 25 4. In an electric-light shade, two halves hinged together, combined with flanged disks and automatically-acting brakes acting upon and concealed by the flanges of the disks, as set forth.

30 In testimony that we claim the above we have hereunto subscribed our names in the presence of witnesses.

WALLACE B. CURTIS.
CHARLES HIMROD.

Witnesses to W. B. Curtis' signature:

ED. H. SCHARF,
C. E. PEOPLES.

Witnesses to Charles Himrod's signature:

JNO. J. CROSBIE,
W. H. SHUMAN.