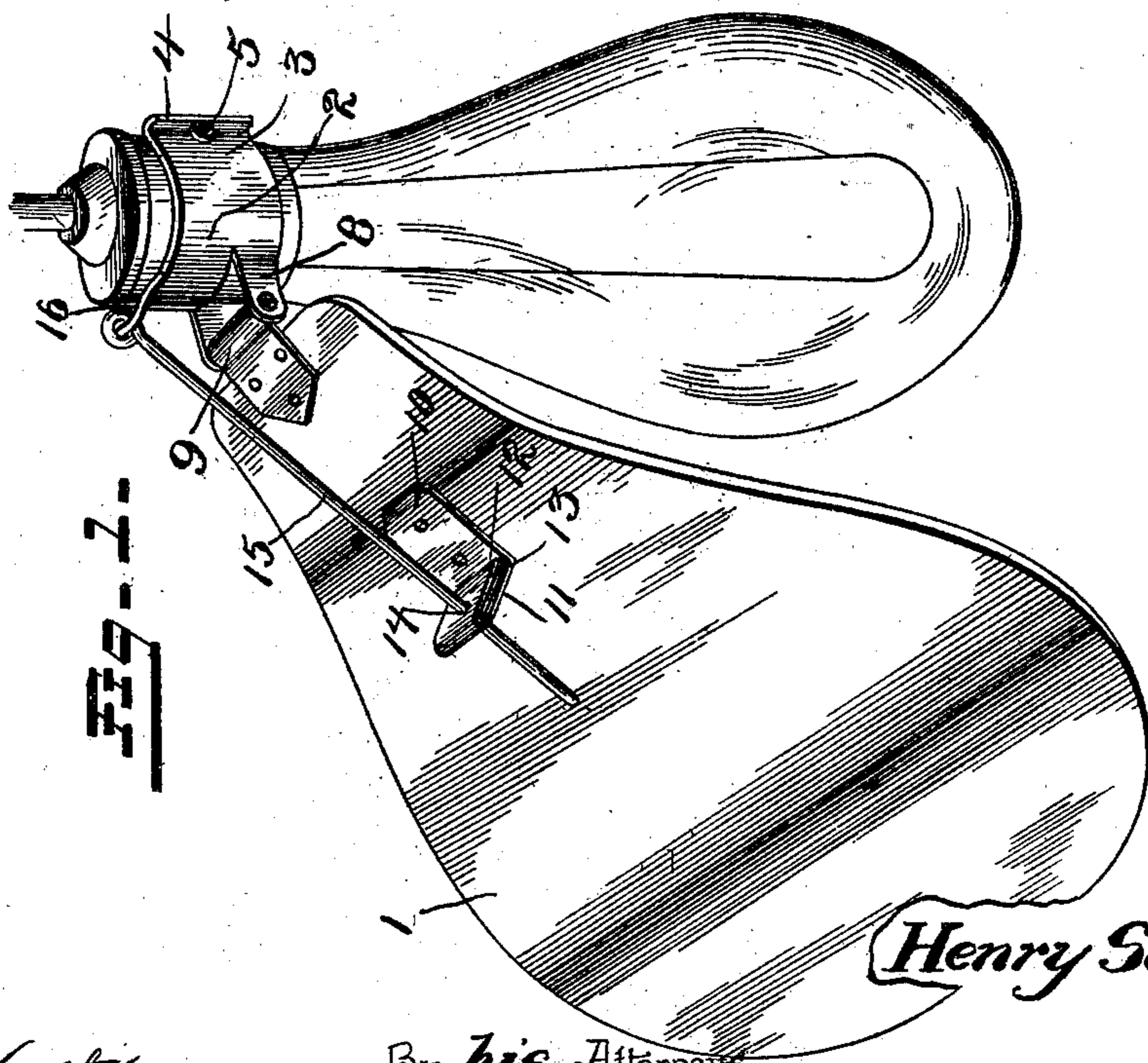
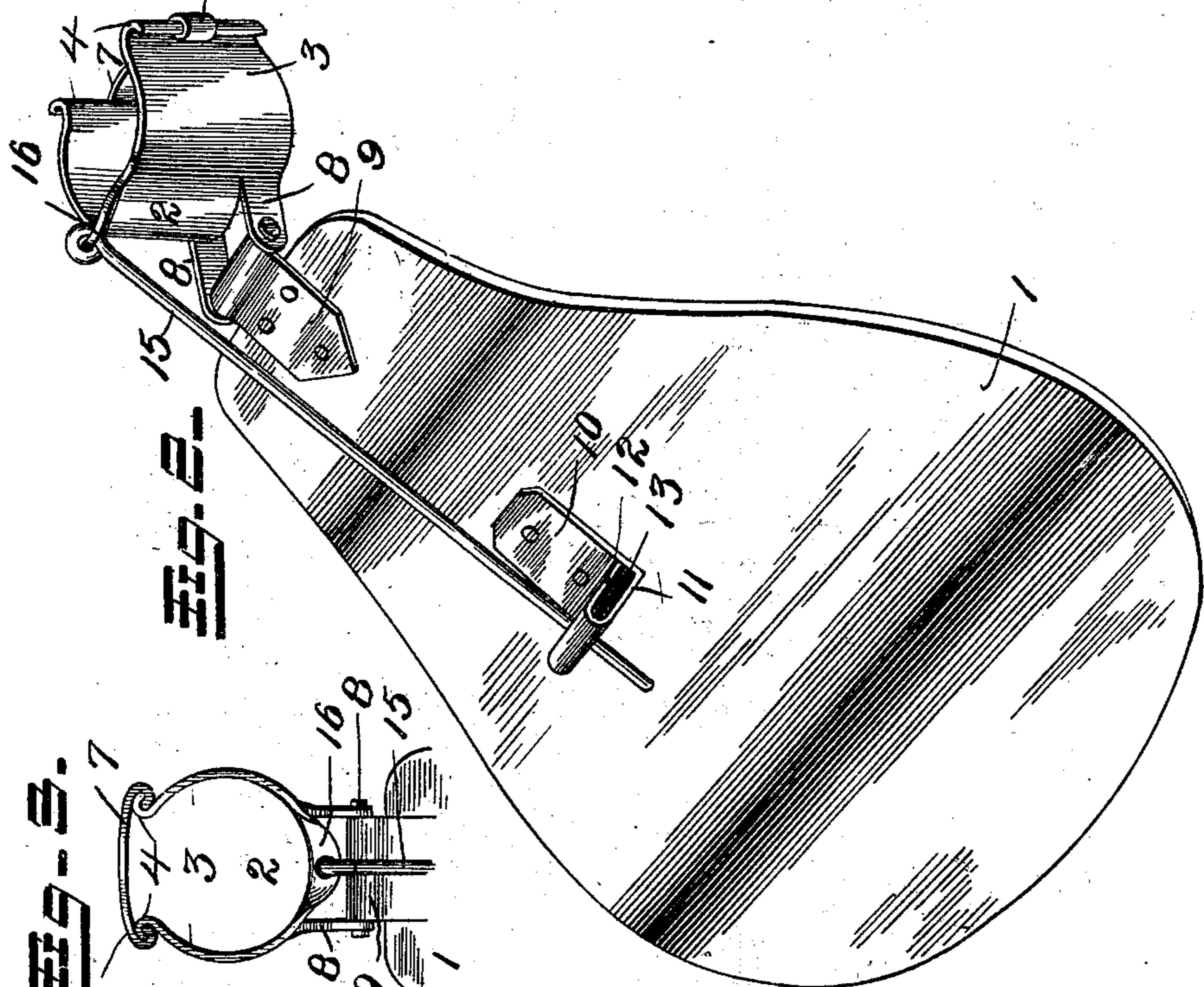


(No Model.)

H. STENZ.
ELECTRIC LIGHT SHADE.

No. 559,149.

Patented Apr. 28, 1896.



Inventor

Henry Stenz

By his Attorneys,

Calhoun & Co.

Witnesses

J. H. Woodh.
R. M. Smith.

UNITED STATES PATENT OFFICE.

HENRY STENZ, OF FARIBAULT, MINNESOTA, ASSIGNOR OF ONE-HALF TO
JOSEPH J. WEYER, OF SAME PLACE.

ELECTRIC-LIGHT SHADE.

SPECIFICATION forming part of Letters Patent No. 559,149, dated April 28, 1896.

Application filed June 27, 1895. Serial No. 554,214. (No model.)

To all whom it may concern:

Be it known that I, HENRY STENZ, a citizen of the United States, residing at Faribault, in the county of Rice and State of Minnesota, have invented a new and useful Electric-Light Shade, of which the following is a specification.

This invention relates to an improvement in electric-light shades, being designed especially for use in connection with incandescent lights.

The object of the present invention is to provide an improved shade which is capable of being adjusted to any desired point circumferentially and at any angle with relation to the globe and socket of an ordinary incandescent light.

A further object of the invention is to provide novel means for automatically retaining the shade at any desired adjustment.

In order to accomplish the objects mentioned, the invention consists in an improved electric-light shade embodying certain novel features and details of construction and arrangement of parts, as hereinafter fully described, illustrated in the drawings, and finally pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of one of the improved shades, the same being shown applied to an incandescent electric lamp. Fig. 2 is an enlarged perspective view of the improved shade detached. Fig. 3 is a detail plan view of the spring clip or clasp, showing the manner of combining the locking spring-plate therewith.

Similar numerals of reference designate corresponding parts in the several figures of the drawings.

Referring to the drawings, 1 designates the shade proper, which may be formed from any preferred material, the inner surface thereof being of a light color and glossy finish, adapting the same to serve as a reflector, while the outer surface is preferably of some dark color which will be agreeable to the eyes. This shade is preferably made pear-shaped, resembling the bulb of the incandescent fixture and of an area sufficiently greater than said bulb to prevent the rays of light therefrom from reaching the eyes of the user.

2 designates a spring clip or clasp, which is

made from a sheet-metal blank and bent to comprise a pair of spring arms or clasps 3, the extremities of which are curved in a reverse direction to form flaring ends or hooks 4, adapting the clip to be more readily introduced around the metal socket of an incandescent lamp. These spring-arms will ordinarily be sufficient to hold the clip and the shade carried thereby in position upon the lamp-bracket; but, if desired, a screw 5 may be employed passing through the extremity of one of said spring-arms and into a threaded socket in the opposite arm, whereby the arms may be firmly clamped around the socket of the lamp. It is also desirable in some cases to lock the extremities of the spring-arms together by means of a metal strip or plate 7, which is given a gradual curve, as shown, and has its ends bent or hooked in a reverse direction. This strip or plate 7 is engaged with the spring-arms by passing its hooked ends over the flaring hooked extremities of the spring-arms of the clip, as shown in Fig. 3, the central portion of said plate bearing against the lamp-socket and aiding materially in holding the spring clasp or clip 2 in place.

The clip 2 is formed with a pair of outwardly-projecting perforated ears 8, which are formed by making incisions in the central portion of the clip and bending the portions bounded by such incisions laterally or outwardly from the main body of the clip, as shown. These ears are adapted to receive between them the looped end of a hinge-plate 9, secured to the inner upper end of the shade 1, a pin or rivet being extended through said ears and hinge-plate for uniting the shade 1 and clip 2 pivotally.

10 designates an eye-plate, which is secured to the outer surface of the shade 1, and bent to comprise an outward or laterally extending portion 11, and again bent inwardly, as shown at 12, to form a pocket, in which is placed a rubber washer 13. The portions 11 and 12 of the eye-plate 10 are formed with alining perforations 14, and the soft-rubber washer 13 is also formed with a smaller perforation in alinement with the perforations 14, and adapted to receive and permit the passage therethrough of the outer end or extremity of a sliding arm or rod 15, the inner end of which

is formed with an eye or loop in engagement with a perforated laterally-extending ear 16 on the clip 2. The gage of the arm or rod 15 is in excess of the diameter of the perforation in the rubber washer 13, by means of which the arm or rod is adapted to slide within said washer with an amount of friction capable of supporting the shade 1 at any desired angle or elevation.

10 If desired, the eye-plate 10 and also the hinge-plate 9 may be formed with integral pointed spurs or extensions, which may be bent at right angles thereto and passed through the material of the shade and clinched upon the opposite side for holding said plates in place, as shown.

By means of the construction above described a very simple, inexpensive and efficient incandescent-lamp shade is provided, 20 which is capable of being adjusted circumferentially or at any desired angle or elevation with relation to an incandescent lamp.

The improved shade may also be applied readily and easily to any incandescent lamp, 25 and may be as readily removed therefrom, when desired.

It will be apparent that rubber washers or other friction devices may be used at the hinged joint between the shade and clip for 30 holding the former at any angle desired, and that other changes in the form, proportion and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

40 1. A lamp-shade comprising a clasp member for engaging the lamp, the shade member

hinged directly to the clasp member, and an arm connected to one of said members and having a longitudinally-sliding and frictional engagement with the other member and serving to adjust the angle of the shade, substantially as described. 45

2. In a lamp-shade, a spring-clasp adapted to be engaged with the lamp, in combination with the shade hinged at one edge directly to said clasp, a friction device carried by said shade, and a friction slide-rod connected to said clasp and engaging the friction device on the shade, substantially as specified. 50

3. In a lamp-shade, a spring-metal clasp, the shade proper hinged thereto, an eye-plate carried by said shade, a rubber washer supported by said eye-plate, and a sliding rod connected at one end with the clasp and working at its opposite end through a perforation in said rubber washer, all arranged for joint operation, substantially as specified. 60

4. In a lamp-shade, a clasp having oppositely-disposed spring-arms formed with hooked extremities, in combination with the shade proper hinged at one edge to said clasp, means for adjusting the shade with relation to the clasp, and a C-shaped locking-plate formed with hooked ends, said locking-plate having a sliding engagement with the hooked extremities of the spring-arms of the clasp and adapted to interlock therewith, substantially in the manner and for the purpose specified. 70

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses. 75

HENRY STENZ.

Witnesses:

GEO. W. MURPHY,
LOUISE MOTT.