

(No Model.)

M. D. GREENGARD.

SHADE HOLDER FOR INCANDESCENT LAMP SOCKETS.

No. 569,556.

Patented Oct. 13, 1896.

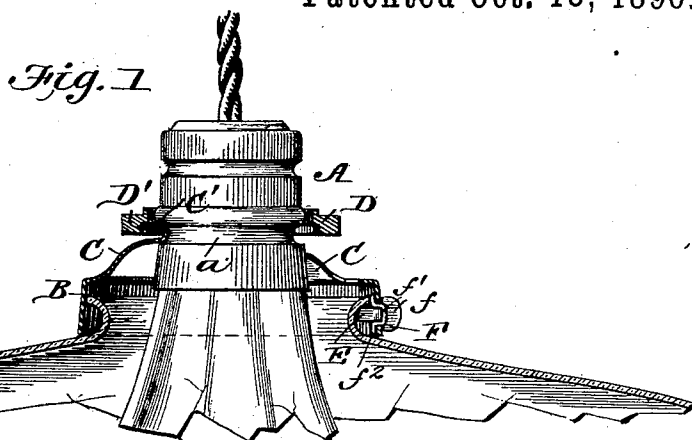


Fig. 6.

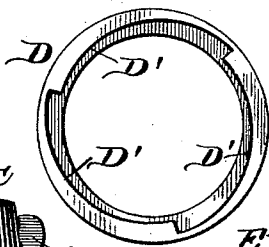


Fig. 2.

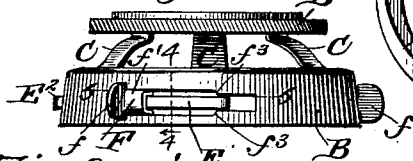


Fig. 3.

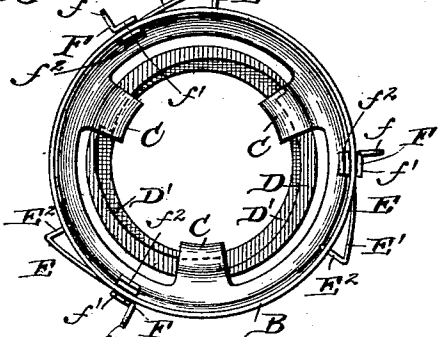


Fig. 4.

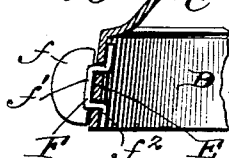


Fig. 5.

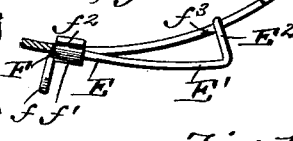


Fig. 10.

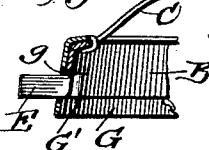


Fig. 7.



Fig. 8.

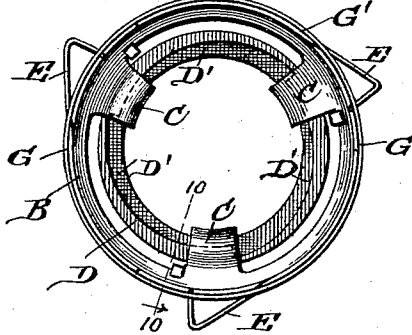
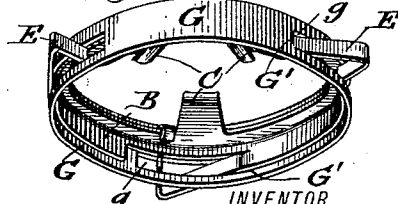


Fig. 9.



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SHADE-HOLDER FOR INCANDESCENT-LAMP SOCKETS.

SPECIFICATION forming part of Letters Patent No. 569,556, dated October 13, 1896.

Application filed January 20, 1896. Serial No. 576,200. (No model.)

To all whom it may concern:

Be it known that I, MORRIS D. GREENGARD, of St. Louis, in the State of Missouri, have invented a new and useful Improvement in Shade-Holders for Incandescent-Light-Lamp Sockets, of which the following is a specification.

This invention is an improvement in shade-holders for incandescent-light shades, and has for an object, among others, to provide a simple construction by which to secure the shade without the use of the ordinary screws, which are objectionable for many reasons, and also to provide improved means for supporting the shade-holder proper from the lamp-socket.

The invention consists in the novel constructions, combinations, and arrangements of parts, as will be hereinafter described, and pointed out in the claims.

In the drawings, Figure 1 is a side view, part in section and parts broken away, of my improvement as in use. Fig. 2 is a side view of the improved holder. Fig. 3 is a bottom plan view thereof. Fig. 4 is a detail section on about line 4 4 of Fig. 2. Fig. 5 is a detail section on about line 5 5 of Fig. 2. Fig. 6 is a detail view of the cam-ring. Figs. 7, 8, and 9 are respectively side, bottom plan, and perspective views of a somewhat different construction from that shown in Figs. 1, 2, and 3; and Fig. 10 is a detail section on about line 10 10, Fig. 8.

In securing the shade-holder to the lamp-socket A, the latter being provided with a shoulder *a* at its lower end, I provide the ring or flange B with upwardly-projected arms C, which are deflected inward toward their upper ends and are provided at such ends with outwardly-bent portions C', forming seats for the cams D' of the ring D, which encircles the lamp-socket A above the shoulder *a*. In the use of this construction the arms C may, when spread apart, be slipped over the shoulder A and into engagement with the cams D', when by turning the ring D the upper ends C' of the arms will, by the cams D', be forced in over the shoulder *a*, and so operate to retain the shade-holder upon the lamp-socket.

The ring or flange B is provided with the clasp E for securing the shade. These clasps are preferably made integral with the said

ring and formed by providing the ring with transverse slits freeing the side edges of the clasp and with transverse slits connecting one end of the circumferentially-extended slits, the slits thus operating to form both the clasps and the openings through which such clasps operate. In the construction shown and as preferred the clasps are formed with shank portions E', which are extended approximately in the circumferential direction of the ring or flange B and are provided at their outer or free ends with the tongues E², which in the closed position of the clasps project into the ring in position to secure the shade. At their free ends the clasps are sprung outwardly in such manner as to normally set the shade-securing tongues out of the ring, one feature of my invention being the provision, in connection with clasps which are spring-actuated to one position, of devices for setting such clasps to the other position. In the construction shown in Fig. 1 the devices for actuating the clasps consist of separate slides F, one for each clasp, and formed with a handle portion *f*, a body portion *f'*, which slides above the shank of the clasp, and flange portions *f*², which project alongside the shank into the ring and thence outwardly along the inner side of the ring, whereby they are held to said ring, as will be readily understood.

To prevent the slides from accidental movement off the free ends of the clasps, I provide the ring adjacent to said free ends of the clasps with stop-shoulders *f*³ for abutment by the slide.

In operation it will be noticed that when the clasps are in open position the shade-neck may be inserted within the ring and the slides be operated to quickly set the clasps into position to secure the shade. In such construction the clasps are independently operated, but it may be desirable in some instances to operate the clasps jointly or all together. This may be effected by the construction shown in Figs. 7, 8, 9, and 10, in which a ring G is held to and partially rotatable upon the shade-ring and is provided with openings *g*, through which the clasp may spring outwardly when such clasps and openings are in register. By turning the ring G from such position it may, by the pressure of the walls G' of its openings *g* against the shanks of the clasps, cause the

said clasps to move inward to position to secure the shade. In this construction the clasps are formed on the lower edge of the shade-ring B instead of between the upper and lower edges of same, as in the construction shown in Fig. 1.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

10 1. A shade-holder, comprising the ring or flange provided with clasps extended longitudinally in the direction of the circumference of the ring, and slides for operating said clasps, such slides being movable along both
15 the ring and the clasps, whereby to operate the latter, substantially as shown and described.

20 2. A shade - holder, comprising a ring provided with circumferentially - extended spring-clasps, and slides movable independently of said ring and clasps, whereby they may move along both ring and clasp to operate the latter, substantially as shown and described.

25 3. The shade-holder herein described, consisting of the cylindrical ring or flange having the circumferentially-extended clasps having their main portions movable into and out of

the line of the ring and provided at their free ends with approximately radial portions, and the slides held to and movable along the ring or flange and also movable along the clasps, whereby to operate the latter, substantially as shown and described.

4. In a shade-holder, the combination of the ring or flange having the clasps separated at their side edges from said ring or flange and the adjusting-slides having each a body portion extending above the shank of the clasp, flange portions f^2 which project alongside the said shank into the ring and thence outwardly along the inner side of the ring, whereby they are held to the ring over the clasp and are movable longitudinally along both such parts, substantially as shown and described.

5. The combination with the lamp-socket having a shoulder of the holder having arms provided at their free end with bearing portions and the ring fitted on the socket above the shoulder and having cams engaging the said bearing portions substantially as shown and described.

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