

(No Model.)

H. A. MINER.
ELECTRIC LIGHT SHADE, &c.

No. 476,021.

Patented May 31, 1892.

Fig. 1.

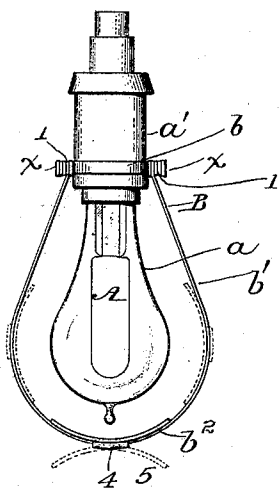


Fig. 2.

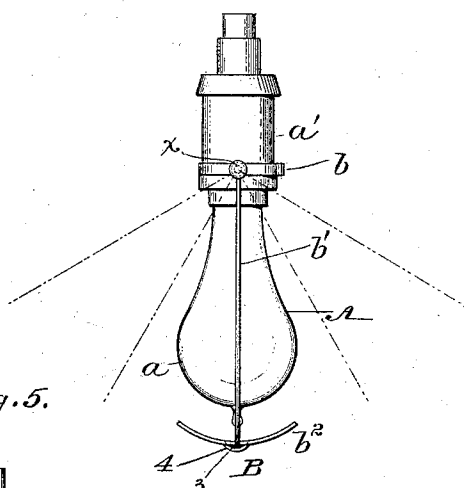


Fig. 5.

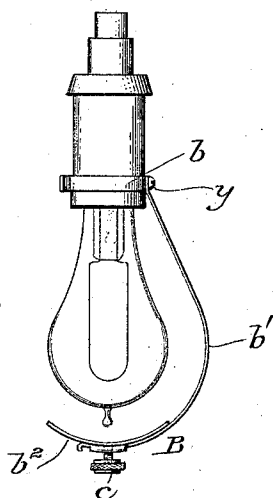


Fig. 4.

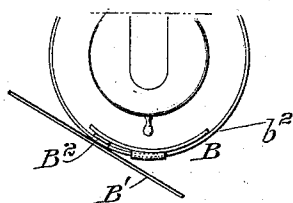


Fig. 4^a.

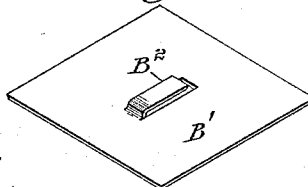


Fig. 3.

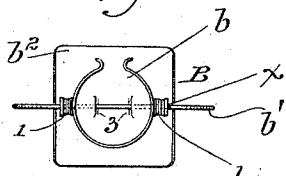
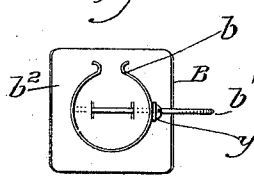


Fig. 6.



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UNITED STATES PATENT OFFICE.

HOWARD A. MINER, OF PHILADELPHIA, PENNSYLVANIA.

ELECTRIC-LIGHT SHADE, &c.

SPECIFICATION forming part of Letters Patent No. 476,021, dated May 31, 1892.

Application filed December 31, 1890. Serial No. 376,367. (No model.)

To all whom it may concern:

Be it known that I, HOWARD A. MINER, a citizen of the United States, residing in the city and county of Philadelphia, and State of Pennsylvania, have invented certain new and useful Improvements in Electric-Light Shades, &c., of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, of which—

Figure 1 is a front elevation of an incandescent electric lamp equipped with my device. Fig. 2 is a side elevation. Fig. 3 is a plan of the device detached. Fig. 4 illustrates a supplementary shade or reflector-plate applied to the lamp. Fig. 4^a is a separate view of said plate in perspective. Fig. 5 is a view similar to Fig. 1, showing a modification of the device. Fig. 6 is a plan of the latter device detached.

The primary object of this invention is to provide a simple and efficient shade device for incandescent electric lamps, which device when in service may be adjusted at will to screen any adjacent object from the direct rays of light from the lamp.

Another object is so to construct the adjustable device that it may be readily changed from a shade to a reflector, and the converse, as occasion may require.

A further object is to render the device easily attachable to or detachable from the lamp, as desired.

These objects I attain by the combination of a suitable supporting member, a plate adjustably mounted thereon, and appropriate devices for attaching the whole to the lamp, as hereinafter more fully explained.

Referring to the annexed drawings, A represents an ordinary incandescent electric lamp, α being the globe, and α' the head therefor.

B represents my shade device. In Figs. 1, 2, and 3 I have illustrated it in what appears to be its best and most desirable form—that is to say, it comprises a clasp-band b , preferably of steel, which is adapted to embrace the head α' of the lamp, a depending bail b' , the ends, respectively, of which are pivotally connected with the opposite sides of the band at x , and a plate b^2 , which is mounted upon this bail in such wise as to be longitudinally adjustable thereon. I usually make the bail

b' of wire and coil its extremities laterally, so as to form suitable bearings l for the pivot-pins or rivets x , which connect it with the clasp-band, the connection being such that the bail will be held by friction in any position to which it may be swung on its pivots. By preference I make the plate b^2 of sheet metal—such as tin—on one side of which is bright, while the opposite side is dark, (japanned, for instance,) and cut therein a couple of parallel slits 3, so as to form the central tongue 4. The latter is depressed and the bail is passed through the slits, so as to lie between the tongue and the body of the plate. The tongue takes against the opposed side of the bail and maintains the plate in place by friction, yet permitting the latter to be moved readily along the bail as desired. By this construction it will be apparent that the plate may be adjusted to any point around the glass globe in order to screen adjacent objects from the direct rays of light thrown from the lamp—that is to say, the bail, with the plate thereon, may be swung toward and beyond either side of the lamp, as indicated by the dotted lines in Fig. 2, or the plate may be moved to and adjusted upon either member of the bail, as indicated by the lateral dotted lines in Fig. 1. It will be obvious that the plate may be turned or revolved transversely around the bail at any point of adjustment in order that either the dark or the bright side of the plate may be presented to the light, as seen at 5, Fig. 1. Thus if it be desired to use the plate merely as a shade the dark side may be readily turned toward the light, and if as a reflector or reflector and shade the bright side may be presented thereto. It will also be obvious that the clasp-band, with its connections, may be readily applied to or removed from the lamp at pleasure.

In Fig. 4 I have represented a supplementary shade or reflector applied to the lamp, which shade or reflector in the present instance consists of a comparatively large plate B' , provided with a central tongue B^2 , that is adapted to be pushed between the frame and the smaller plate b^2 , so as to hold the supplementary plate in place by friction. Thus the latter plate may be attached to or detached from the frame with facility, as occasion may

require, and when it is so attached the supplemental plate may be adjusted similarly to the other or smaller plate. In Fig. 4^a I have shown the supplementary plate detached.

5 In Figs. 5 and 6 a modification of the invention is illustrated. In this form the supporting-frame *b'* comprises a single member, which is fixed to one side of the clasp-ring, as at *y*.
10 The plate *b*² is adjustable longitudinally on this member, as in the other form described. I, however, sometimes provide the tongue with a set-screw *c*, which may be used to fix the plate positively at the points of adjustment. Although in this modified construction the
15 frame cannot be swung or tilted toward and beyond either side of the lamp, yet the same end may be accomplished by turning the clasp-ring, with its connections, around the head of the lamp.

20 Having thus described my invention, I claim as new and wish to secure by Letters Patent—

1. The combination of the clasp device, the depending bail having a pivotal frictional
25 connection with said device, and the plate adjustably supported upon said frame, substantially as described.

2. The combination of the clasp device, the depending bail pivotally connected there-

with, and the slitted plate supported upon said frame and longitudinally adjustable thereon, substantially as described. 30

3. The combination of the clasp device, the wire bail having end coils which are pivotally connected with said band, and the plate
35 longitudinally adjustable upon said bail, substantially as described.

4. The combination of the clasp device adapted to embrace the head of an incandescent electric lamp, the frame depending from
40 said device, and the slitted plate longitudinally adjustable and revoluble on said depending frame, substantially as described.

5. The combination of the supporting-frame, the plate longitudinally adjustable thereon, and means for securing the whole to a lamp,
45 together with the supplementary plate provided with the tongue in the body thereof, adapted to be applied to said frame or member, substantially as described. 50

In testimony whereof I have hereunto affixed my signature this 26th day of November, A. D. 1890.

HOWARD A. MINER.

Witnesses:

JOHN R. NOLAN,
JOSHUA PUSEY.