

(No Model.)

W. WHEELER.

SUPPORTER FOR ELECTRIC LIGHT REFLECTORS.

No. 254,522.

Patented Mar. 7, 1882.

Fig. 1.

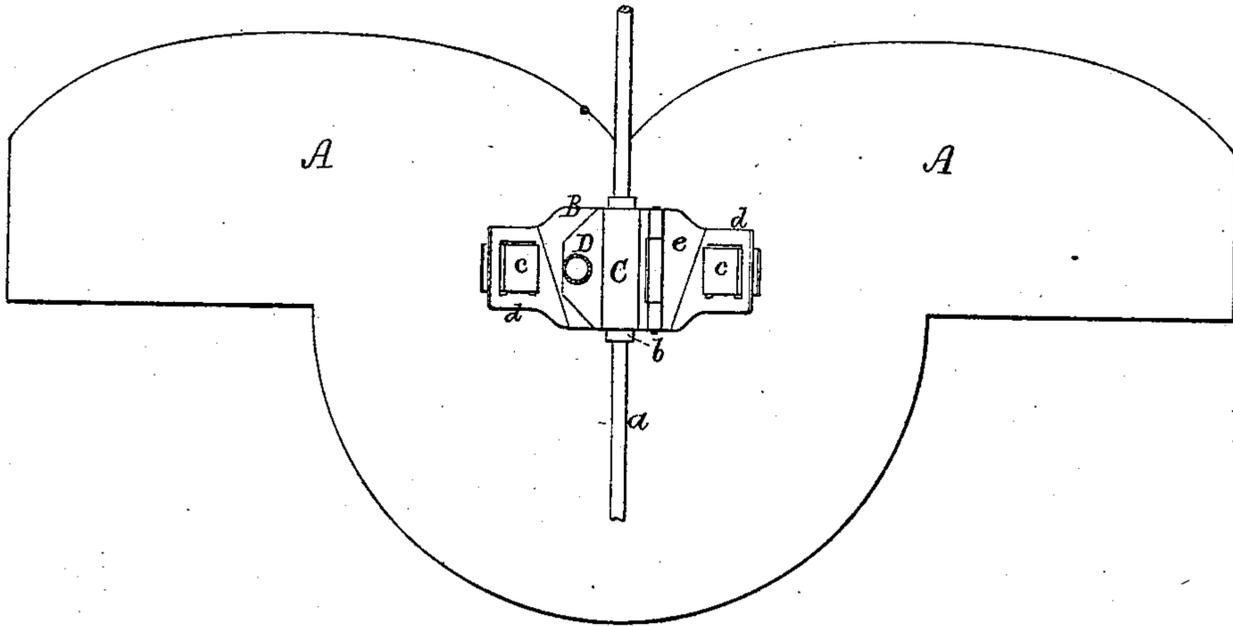


Fig. 2.

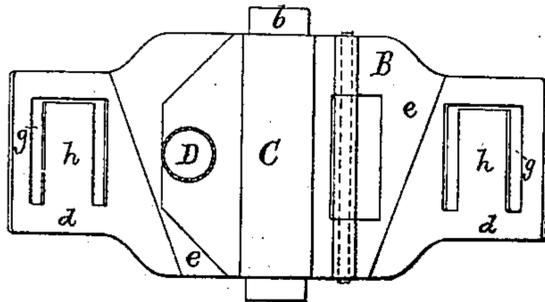


Fig. 3.

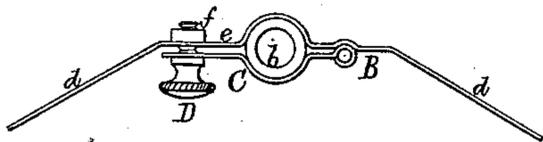
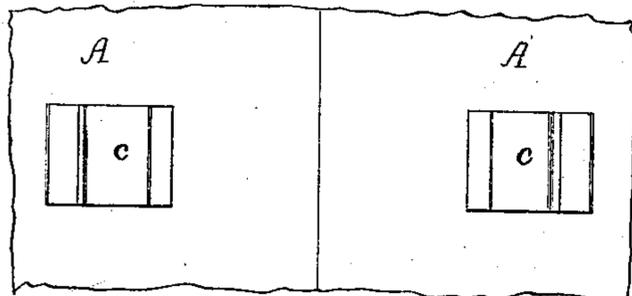


Fig. 4.



Witnesses.

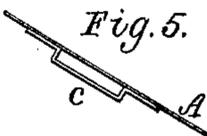
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Fig. 5.



UNITED STATES PATENT OFFICE.

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SUPPORTER FOR ELECTRIC-LIGHT REFLECTORS.

SPECIFICATION forming part of Letters Patent No. 254,522, dated March 7, 1882.

Application filed December 8, 1881. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM WHEELER, of Concord, of the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Supporters for Electric-Light Reflectors; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a side view of a double reflector provided with my invention. Fig. 2 is a front view, and Fig. 3 a top view on an enlarged scale, of one of the reflector-supporters provided with an insulator. Fig. 4 is a front view of the D-shaped part of the clasps used in fastening the supporter or clamp to the body of the reflector. Fig. 5 is a top view of one of the said clasps.

The nature of my invention is defined in the claims hereinafter presented.

I would remark that my invention is for the purpose of supporting and attaching an electric-light reflector to the vertical sustaining-rods of an ordinary electric lamp, and for insulating the reflector therefrom, there generally being two of such rods. The reflector is placed directly between them at its middle, though one only of such rods is shown in Fig. 1 of the accompanying drawings, it being marked *a*.

In Figs. 1, 2, and 3 the insulator is shown at *b*, it consisting of a short tube of india-rubber, or a rectangular sheet of caoutchouc, or any suitable insulating substance, bent around in the form of a tube.

The reflector is shown at *A A*, it being provided with two clasps, *c c*, a top view of one of which is given in Fig. 5. These clasps, fixed to the side of the reflector, are to co-operate with the wing-openings and the elastic tongues of the supporter for attaching it to and sustaining the reflector.

In the drawings, the body of the supporter is shown at *B* as a plate of metal bent as represented, the two portions *d d* of it being what I term the "wings," each being arranged at an obtuse angle to the intervening part, *e*, or it may be in the same plane therewith or otherwise, according to the form of the body of the reflector. To the said part *e* there is hinged

a clamp, *C*, provided with a set-screw, *D*, which goes through it, (the said clamp,) and screws into the part *e*, or a nut or projection, *f*, fixed thereto, and arranged as shown in Fig. 3. The part *e* and the clamp are recessed or bent at their middles, as shown, to receive and clasp the tubular insulator *b*, and hold it in place and compress it upon the rod *a*, to which the support is thereby securely clamped, and at the same time insulated therefrom. Furthermore, in each of the wings is a rectangular opening, *g*, in which there is arranged and projected upward from the wing a spring or elastic tongue, *h*. On springing these tongues backward and inserting and pushing them either upward or downward within the clasps *c c*, the latter, when even with the openings *g g*, will be caused to enter them by the tongues, which by their inherent elasticity will spring forward, and thereby force the supporter upon the clasps in a manner to cause them, (the said clasps) to enter the said openings *g g*. The tongues of the supporter or attachment will then be wholly within the said openings and within the D-shaped clasps, while the supporter will be firmly secured in and confined about the clasps.

What I claim as my invention is as follows, viz:

1. The light-reflector supporter or attachment substantially as set forth, consisting of the recessed plate, and hinged clamp, and its set-screw, and provided with an insulator, all combined and arranged in the manner and to operate essentially as shown and described.

2. The light-reflector supporter as set forth, having wings, each being provided with an opening, *g*, and an elastic tongue, *h*, arranged to operate therein substantially and for use as explained.

3. The light-reflector *A*, provided with the clasps *c c*, in combination with the supporter and insulator-carrier, substantially as described, having its wings provided with openings *g*, and elastic tongues *h*, to engage with such clasps, as set forth.

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Witnesses:

R. H. EDDY,
E. B. PRATT.