

(No Model.)

J. H. HUBER.

SHADE FOR INCANDESCENT ELECTRIC LIGHTS.

No. 419,524.

Patented Jan. 14, 1890.

Fig-1.

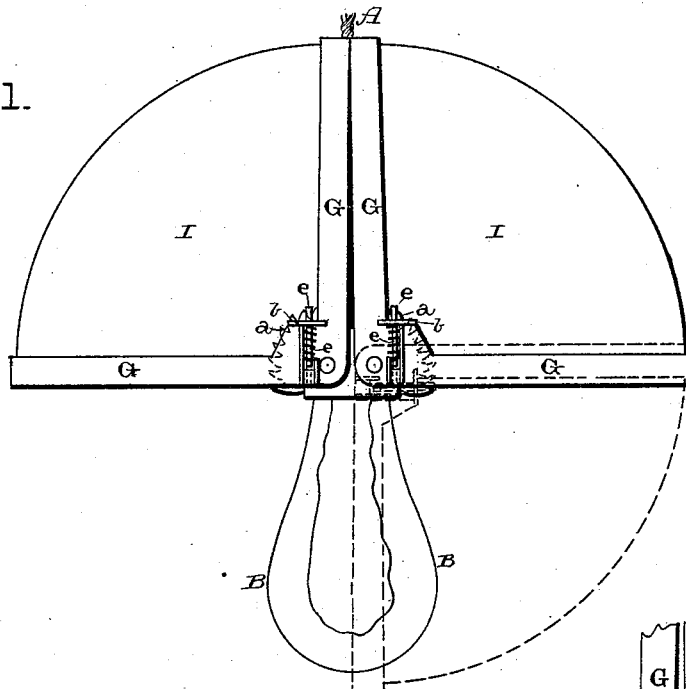
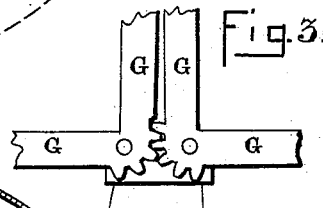
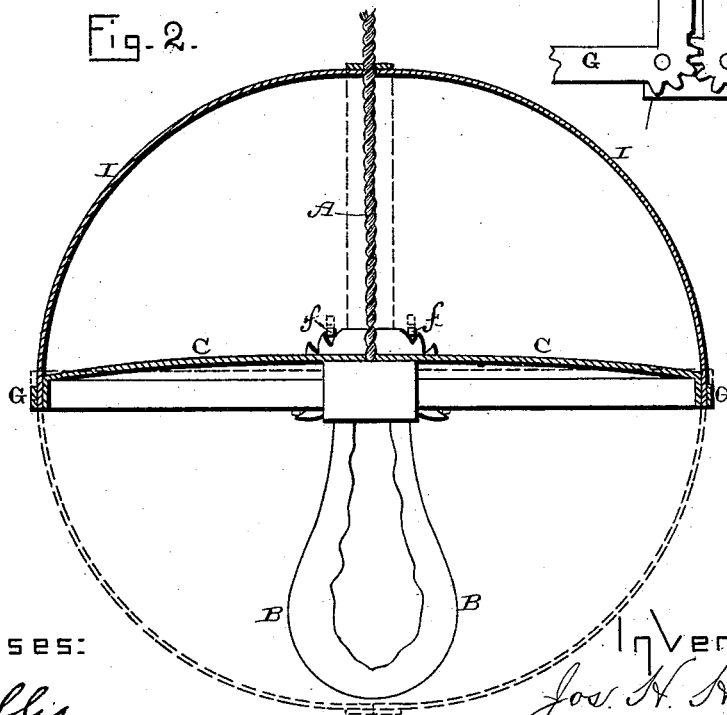


Fig-2.



Witnesses:

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UNITED STATES PATENT OFFICE.

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SHADE FOR INCANDESCENT ELECTRIC LIGHTS.

SPECIFICATION forming part of Letters Patent No. 419,524, dated January 14, 1890.

Application filed September 25, 1889. Serial No. 324,981. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH H. HUBER, of Greensburg, in the county of Westmoreland and State of Pennsylvania, have invented certain new and useful Improvements in Shades for Incandescent Electric Lights; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in shades for incandescent electric lights; and it consists in the combination, with the glass shade which is ordinarily used in connection with incandescent electric lights, of a movable shade which is formed of two quarter-sections, which are pivoted upon the glass shade, and which can be turned up, so as to be entirely out of the way, or turned down, so as to shade the light to a greater or less degree, as will be more fully described hereinafter.

The object of my invention is to provide an adjustable shade for electric incandescent lights, and which is to be used in connection with the ordinary glass shade, and which can be adjusted so as to modify the light to a greater or less degree, as may be preferred, without interfering with the light itself.

Figure 1 represents a side elevation of a shade which embodies my invention. Fig. 2 is a vertical section of the same. Fig. 3 is a detached view showing the two frames geared together.

A represents the electric wires or conduit, B the electric lamp, and C the ordinary glass shade which is used in connection with incandescent electric lights. Pivoted upon this glass shade are the two metallic frames G, each one of which forms about a quarter of a sphere, and in which are placed metallic plates or ground or roughened glass I, of any desired shape, thickness, or color. Each one of these frames is provided with a suitable stop to hold the shade at any desired position in relation to the light. Either

the two frames may be geared together by teeth, as shown in Fig. 3, or in any other equivalent manner which may be preferred, so that when one is moved the other will be moved at the same time, or each one may be made to move independently of the other, as here shown, and held in position by ratchets *a*, formed upon the frames G at their point of intersection, as shown, and spring-catches *e*, which slide in openings made in the projections *b*, secured to or formed upon the frames G, and which catches are provided with an inwardly-extending projection *f*, Fig. 2, at their upper ends, and these projections engage the ratchets *a*.

I do not limit myself to any particular arrangement of parts, for this may be varied without departing from the spirit of my invention.

When the two parts of the shade are lowered to their full extent, the light is entirely inclosed and only what light passes through the glasses will be available.

By means of shades constructed as here described the light may be shaded to a greater extent upon one side only, or partially shaded on both sides, or shaded entirely without interfering with the light itself, just as may be desired.

Having thus described my invention, I claim—

1. The combination of an electric light and the glass shade with the pivoted shade formed of two parts which are adapted to be raised or lowered, substantially as shown.

2. The combination of the electric light and the glass shade with the two metallic pivoted frames provided with glass which has been suitably roughened or colored, and which frames can be raised and lowered in relation to the light, so as to partially or wholly inclose it, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH H. HUBER.

Witnesses:

O. R. SNYDER,
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