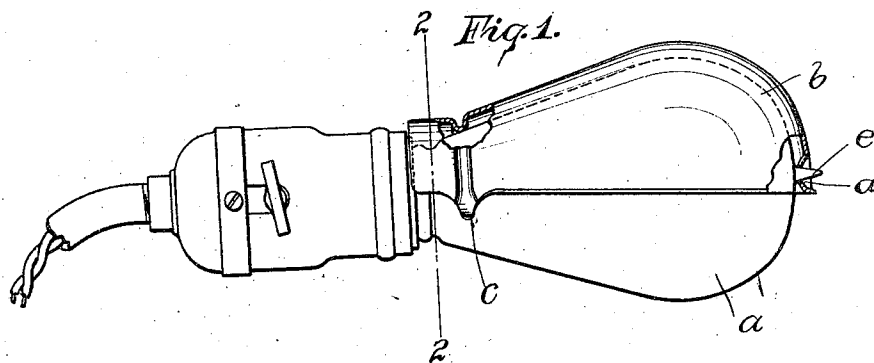
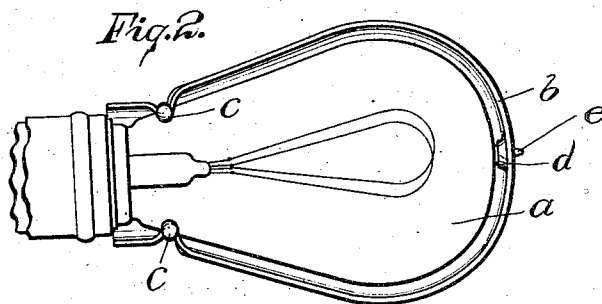
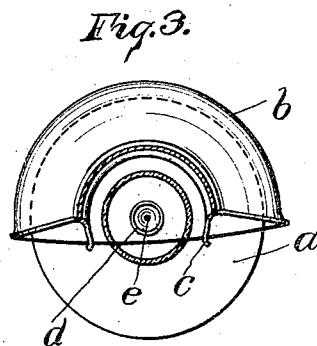


J. SACHS.
SHADE REFLECTOR.
APPLICATION FILED MAR. 23, 1912.

Patented July 29, 1913.

1,069,035.



WITNESSES
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UNITED STATES PATENT OFFICE.

JOSEPH SACHS, OF HARTFORD, CONNECTICUT, ASSIGNOR TO THE SACHS LABORATORIES, INCORPORATED, OF HARTFORD, CONNECTICUT, A CORPORATION OF CONNECTICUT.

SHADE-REFLECTOR.

1,069,035.

Specification of Letters Patent.

Patented July 29, 1913.

Application filed March 23, 1912. Serial No. 685,850.

To all whom it may concern:

Be it known that I, JOSEPH SACHS, a citizen of the United States, and a resident of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Shade-Reflectors, of which the following is a specification.

The object of this invention is to produce a device of the character of a shade or reflector for use in connection with incandescent lamps.

An embodiment of the invention is illustrated in the drawings in which—

Figure 1 shows an incandescent lamp with the shade reflector in side elevation, parts of it being broken away to show construction. Fig. 2 is a view similar to Fig. 1 but showing the front view of the reflector. Fig. 3 is a sectional end view on the line 2, 2 of Fig. 1.

Referring to the drawings *a* denotes the lamp of ordinary construction, *b* the shade reflector of a shape corresponding in general outlines to the shape of the bulb, provided at one end with spring-fingers *c* and at its opposite end with an aperture *d* to receive the tip *e* which is customarily found on lamps of this kind. This construction permits of turning the shade about the lamp and of holding it in any desired position of adjustment and prevents longitudinal displacement of the shade on the lamp.

While I have described the embodiment illustrated for the purpose of making clear the features of the invention it will nevertheless be apparent that the device is adapted for modification and alteration both in its detail construction and in its shape.

It will be noted that the shade can readily be applied to or removed from a lamp; that it can be turned to any position to throw the light in any direction, and that it takes up a very small amount of room. Furthermore, it is very inexpensive to manufacture. It is to be understood, of course, that where desired the interior of

the shade can be polished or coated in some way to enhance its utility as a reflector. 50

I claim as my invention:

1. The combination with an incandescent lamp provided with a projecting tip at its end, of a shade reflector apertured to receive said tip, a flange formed about said aperture integrally with the reflector and projecting inwardly to contact with the lamp and space the end of the reflector therefrom, an inwardly-projecting integrally formed bead at the neck of the reflector adapted to contact with the lamp and space the reflector therefrom, and spring clips at the neck of the reflector adapted to embrace the neck of the lamp. 60

2. The combination with an incandescent lamp provided with a projecting tip at its end of a shade reflector apertured to receive said tip, a flange formed about said aperture integrally with the reflector and projecting inwardly to contact with the lamp and space the end of the reflector therefrom, an inwardly-projecting integrally-formed bead at the neck of the reflector adapted to contact with the lamp and space the reflector therefrom, said bead being extended to form a spring clip adapted to embrace the neck of the lamp to hold the reflector in place. 70

3. The combination with an incandescent lamp provided with a projecting tip at its end, of a shade reflector formed to the approximate shape of the lamp and apertured to receive said tip, a flange formed about said aperture integrally with the reflector and projecting inwardly to contact with the lamp and space the end of the reflector therefrom, means at the neck of the reflector adapted to contact with the lamp and space the reflector therefrom, and yielding means at the neck of the reflector adapted to engage the neck of the lamp to hold the reflector in place. 80

JOSEPH SACHS.

Witnesses:

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