

No. 852,121.

PATENTED APR. 30, 1907.

W. V. D. KELLEY.  
INCANDESCENT LIGHT ATTACHMENT.  
APPLICATION FILED JAN. 5, 1907.

FIG. 1

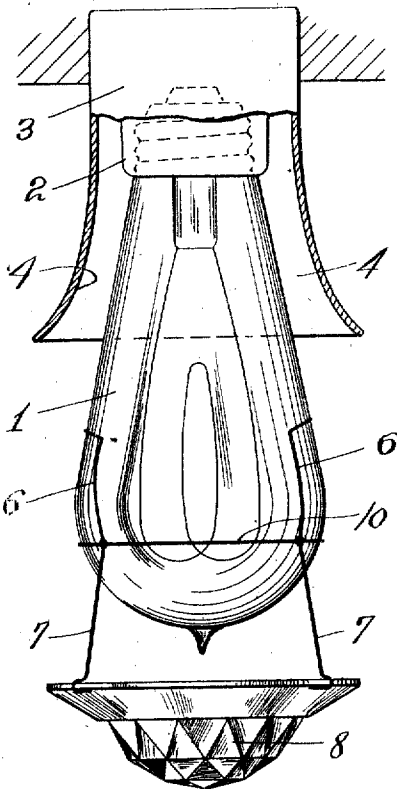


FIG. 4

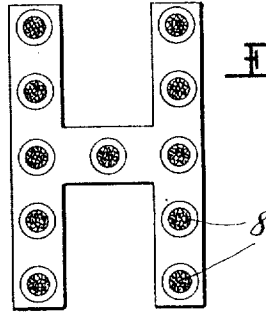


FIG. 2

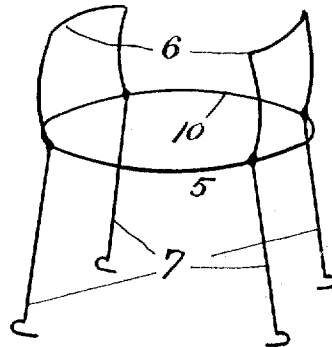


FIG. 3

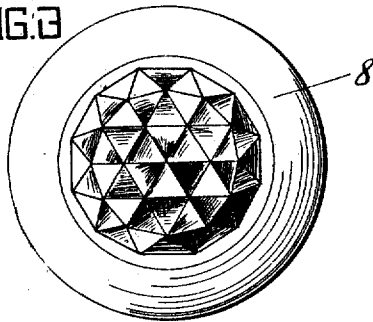
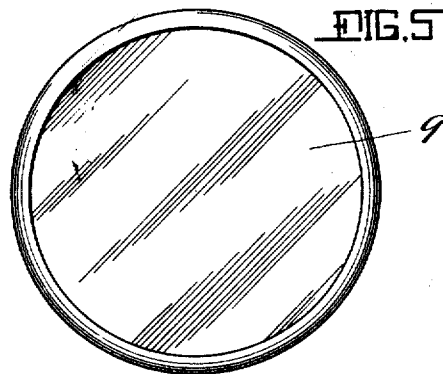


FIG. 5



Witnesses:  
Edmund O. Dubois,  
Geo. H. Kerr.

Inventor  
William V. D. Kelley,  
By his Attorney C. Edward

# UNITED STATES PATENT OFFICE.

WILLIAM V. D. KELLEY, OF NEWARK, NEW JERSEY, ASSIGNOR OF ONE-HALF  
TO HOWARD S. JONES, OF BROOKLYN, NEW YORK.

## INCANDESCENT-LIGHT ATTACHMENT.

No. 852,121.

Specification of Letters Patent.

Patented April 30, 1907.

Application filed January 5, 1907. Serial No. 350,804.

*To all whom it may concern.*

Be it known that I, WILLIAM V. D. KELLEY, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Incandescent-Light Attachments, of which the following is a full, clear, and exact specification.

This invention relates to incandescent light attachments, and has particular reference to devices intended for use in connection with electric signs, whereby the effects from individual lights may be varied by substituting one transparency for another without changing the whole set of lamps.

Electric signs are commonly made up of a number of bulbs placed side by side which are viewed from the ends, and this invention relates to an attachment for such bulbs adapted to carry a lens or transparency which can be used to intensify the light or produce varying color or reading effects.

More particularly, the invention comprises a frame adapted for attachment at one end to the bulb itself, and having at the other end means for detachably holding a transparency, as a lens or other device which will vary the ordinary effect of the bare light.

The invention with respect to the preferred form thereof, is shown in the accompanying drawing, wherein

Figure 1 shows an incandescent bulb having the attachment applied thereto and carrying a lens; Fig. 2 is a perspective view of the attachment frame; Fig. 3 is an end view of Fig. 1, showing the lens; Fig. 4 shows a sign letter made up of bulbs like Fig. 1, and Fig. 5, shows a transparency which may be substituted for the lens.

1 represents an incandescent bulb adapted to be fitted in a socket, as 2, which in the case of a sign letter, will be carried in a kind of trough 3 having reflecting sides 4, of any usual and desired construction. These bulbs are commonly viewed end on, as seen in Fig. 4.

In carrying out my invention, a light frame 5, having resilient jaws 6 for clamping the bulb is used, and this frame has at the other end, jaws 7, adapted to hold a lens, as 8, (Fig. 3,) or other transparency, as 9, (Fig. 5,) which latter can carry lettering or other devices capable of being illuminated by the light 1.

10 is a ring carrying the jaws 6, 7 and is

of somewhat less diameter than the largest diameter of the bulb, so that when the jaws 6 engage on one side of the large diameter, the ring acts as a stop on the other side, thus insuring a firm engagement of the frame with the bulb.

As will be seen, the transparency is some distance from the end of the bulb, so that an air circulation will be permitted, and thereby prevent cracking of the transparency by excessive heat from the bulb. As the jaws 6 spring over the bulb, the jaws 7 move on the ring as a pivot, inward, thus firmly engaging both the bulb and jaws 6, and the lens or other transparency and the jaws 7.

In Fig. 4, is shown a sign letter formed of a number of bulbs, each having a lens 8, (or it might be some other form of transparency, as 9.) Where the lenses are used, and particularly a lens having facets, as herein shown, a very brilliant effect is obtained, and much greater than the bare lamp. If now it be desired to change the sign, it can readily be done, either by changing the transparency in the holders, or by changing the holders and transparencies, such changes not requiring any changes in the bulbs themselves. It will thus be possible to secure any desired effect simply by changing the transparencies, while the holders will be inexpensive and will not interfere with the illumination, nor require any changes in existing sign constructions.

Modifications and changes may be made in the specific details herein shown without departing from the scope of the invention.

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

1. The combination with an incandescent lamp, of a frame having jaws adapted to slide over the end of said lamp and engage the sides, means for limiting the movement of said frame on said lamp, and a transparency carried by jaws pivoted on said frame and separated from the lamp, substantially as described.

2. The combination with an incandescent lamp, of a ring having a plurality of jaws adapted to frictionally engage said lamp, said ring being smaller in diameter than the lamp so as to rest against the lamp bulb, and a transparency supported by means carried by the ring out of contact with the lamp and

adapted to be illuminated by the lamp, substantially as described.

3. A frame for attachment to a lamp comprising a ring adapted to bear against the surface of the bulb and carrying jaws on one side for resiliently engaging the bulb, and oppositely projecting jaws on the other side for holding a disk, transparency or the like out of contact with the lamp, substantially as described.

4. A frame for attachment to a lamp comprising a ring adapted to bear on the surface of a lamp bulb and carrying pivoted jaws frictionally engaging the same, and oppositely projecting resilient jaws for holding a disk, transparency or the like out of contact with the lamp, said jaws being adapted to interact to clamp both the lamp bulb and the transparency, substantially as described.

5. A transparency for attachment to a

lamp bulb comprising a transparency removably held by jaws carried by a ring, and a second set of jaws carried by the ring and adapted to engage a lamp bulb, substantially as described.

6. A transparency for attachment to a lamp bulb comprising a transparency removably carried by a frame having jaws, and a second set of jaws adapted to engage a lamp bulb, said jaws being of resilient material and pivoted so as to move oppositely whereby to increase the holding effect on both the lamp and the transparency, substantially as described.

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

WILLIAM V. D. KELLEY.

Witnesses:

JULIAN S. WOOSTER,  
GEO. A. HOFFMAN.