G. CUTTER.

HOOD AND REFLECTOR.

APPLICATION FILED OCT. 30, 1907.

900,266.

Patented Oct. 6, 1908.

2 SHEETS—SHEET 1.

Fig. 1.

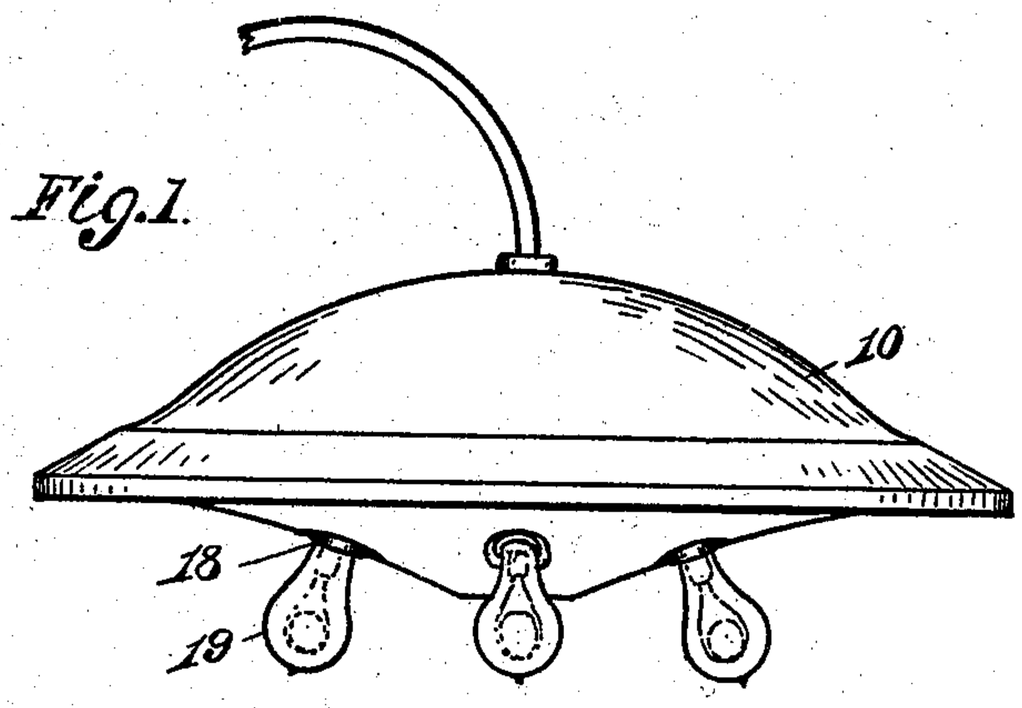


Fig. 2.

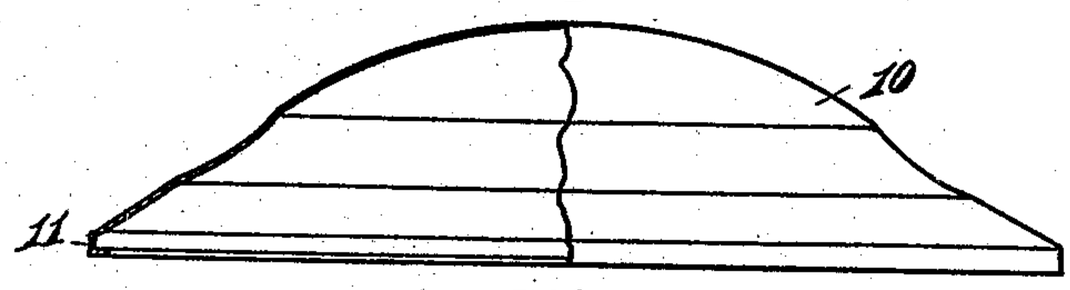


Fig. 3

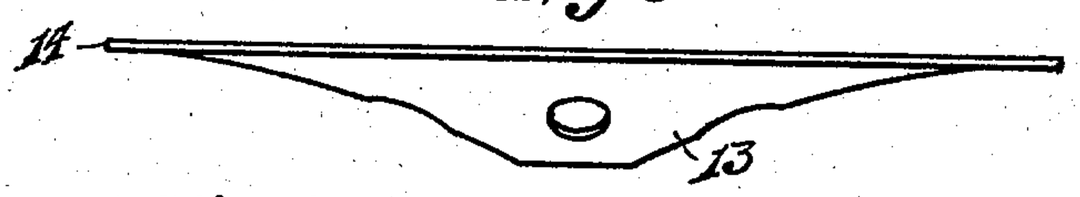


Fig. 4.

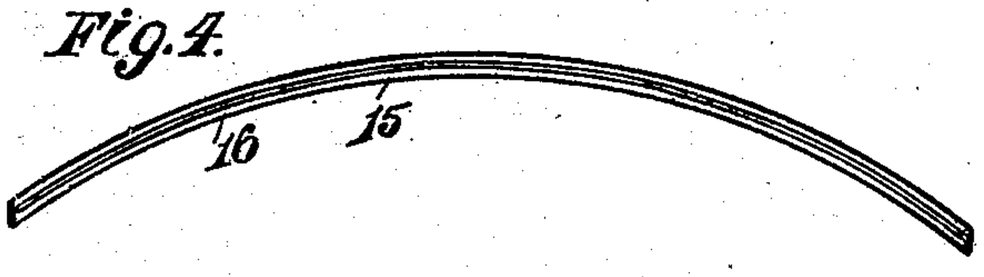
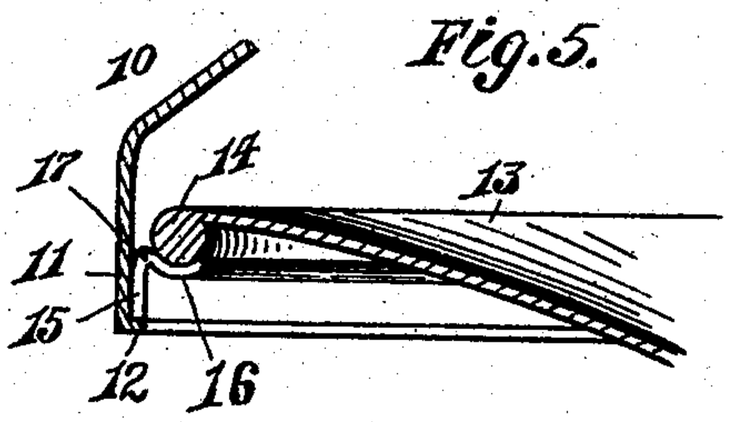


Fig. 5.



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G. CUTTER.

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2 SHEETS—SHEET 2.

Fig. 6.

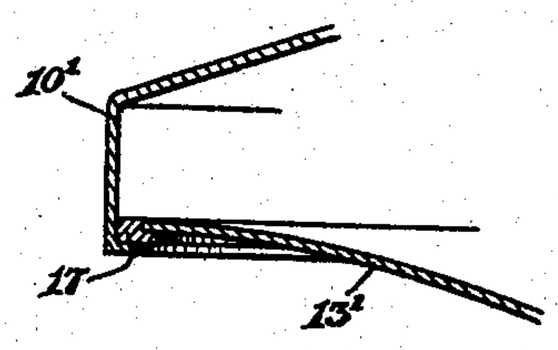


Fig. 7.

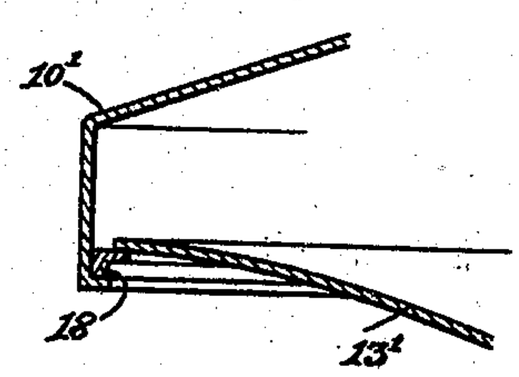


Fig. 8.

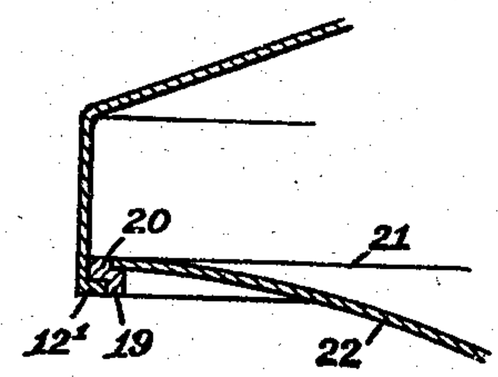


Fig. 9.

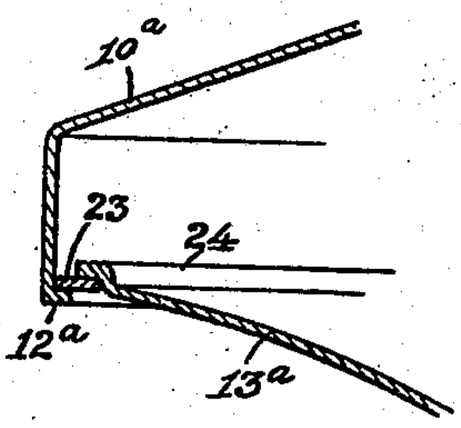
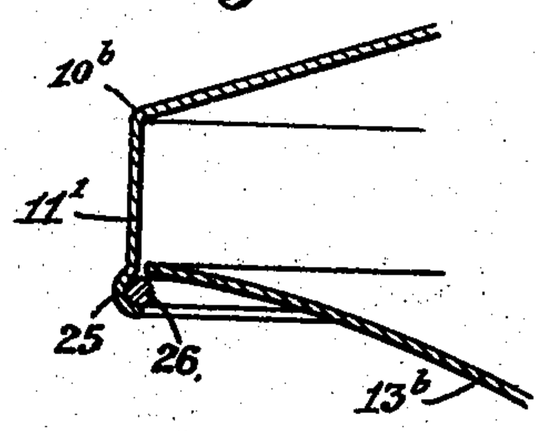


Fig. 10.



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UNITED STATES PATENT OFFICE.

GEORGE CUTTER, OF SOUTH BEND, INDIANA.

HOOD AND REFLECTOR.

No. 900,266. Specification of Letters Patent. Patented Oct. 6, 1908.

Application filed October 30, 1907. Serial No. 399,853.

To all whom it may concern:

Be it known that I, GEORGE CUTTER, a citizen of the United States, residing at South Bend, in the county of St. Joseph and State of Indiana, have invented certain new and useful Improvements in Hoods and Reflectors, of which the following is a specification.

This invention relates to hoods and reflectors employed for supporting incandescent lamps upon posts or other supports on streets and other localities, and has for one of its objects to improve the construction and increase the utility and efficiency of devices of this character.

Another object of the invention is to provide a simply constructed device of this character, whereby the reflector portion of the device which supports the electric lamp sockets and bulbs may be readily attached and detached from the hood portion, when required, for the renewal or repair of the lamp socket, without disturbing the other portions of the device or interfering with the wiring.

With these and other objects in view the invention consists in certain novel features of construction, as hereafter shown and described and specifically pointed out in the claims.

In the drawings illustrating the embodiment of the invention is shown the preferred form of the construction, and in the drawings thus employed,

Figure 1 is a side elevation of the improved device. Fig. 2 is a side elevation, partly in section, of the hood portion of the device. Fig. 3 is a side elevation of the reflector portion of the device. Fig. 4 is a perspective view of one of the resilient holding strips detached. Fig. 5 is an enlarged sectional detail view illustrating the construction of the device more fully. Figs. 6 to 10 inclusive are sectional detail views illustrating different modifications of my invention.

In the drawings 10 represents the hood portion of the device of conventional form, except that in the improved hood portion a depending rim 11 is provided and formed with an inwardly extending flange 12.

The reflector portion 13 of the device is of the conventional form except that the rim is provided with an annular enlargement 14, preferably circular in transverse section, as shown more clearly in Fig. 5. Bearing upon the flange 12 of the hood is a semi-circular resilient member 15 preferably provided with an annular flange 16 at the upper edge provided with a depression in its upper face corresponding to and adapted to receive the lower portion of the circular rim 14 of the reflector 13.

In attaching the reflector to the hood, the latter is inserted within the hood and the resilient member 15 compressed and allowed to expand within the hood and upon the flange and beneath the enlarged rim of the reflector, as shown in Fig. 5, the resiliency of the member 15 and the upper portion 17 fitting in behind the rim supporting it in place with sufficient firmness to prevent accidental displacement, while at the same time it is easily removable for the release of the reflector, when required, by employing a screw driver or other implement to pry the member 15 out of engagement with the flange of the hood.

The hood may be formed of any required size or shape, and the reflector corresponding in form, and I do not therefore desire to be restricted to any particular form, size and material.

In Fig. 6 there is shown a resilient member 17 of angular shape in cross section which has the same function as has the resilient member 15, there being another resilient member 18 in Fig. 7 similar in form to that shown in Fig. 6 but having a reverse position, as regards its location between the hood 10′ and the reflector 13′.

In Fig. 8 the resilient member 19 is of different form from the forms of resilient members described, but rests upon the inturned flange 12′ with a portion thereof extending over the inturned flange 12′ and downwardly, as shown, to form a seat 20 for the reception of the upper annular portion 21 of the reflector 22.

In Fig. 9 the inturned flange 12^a of the hood 10^a has resting upon it a resilient member 23 which extends beyond the inturned flange 12^a, as shown, and upon which rests the upper portion 24 of the reflector 13^a.

In Fig. 10 the hood 10^b has its downwardly directed portion 11′ curved outwardly and inwardly, as indicated at 25 to form an annular seat for the resilient member 26 which latter is preferably circular in cross section and upon which is removably supported the reflector 13^b.

All forms of the invention include a resilient member which bears normally against

the reflector to detachably support the latter to the hood without the employment of screws or other means for forcing the resilient member into engagement with the reflector to insure the support of the latter. All such elements as screws having the function of forcing the resilient members into coöperative relation with the reflector are obviated in the use of my invention.

The invention is extremely simple in construction, easily applied, and enables the reflector portion to be removed without disturbing the other parts or interfering with the wiring of the lamps.

Having thus described the invention, what is claimed as new is—

1. A device of the class described comprising a hood, having a depending rim provided with an inturned flange providing an opening in the lower end of the hood, a reflector whose inner end is of smaller cross sectional diameter than said opening, and an annular resilient member having a portion bearing upon said flange and also having a portion projecting beyond the free edge of the flange to engage said reflector and detachably support the latter relatively high above the flange.

2. A device of the class described comprising a hood including a depending rim provided with an inturned flange, a reflector, and a resilient element having a vertical portion resting at its lower edge upon said flange with the body of its vertical portion lying flush with the inner surface of said rim, said resilient member also having a substantially horizontal annular portion normally engaging said reflector to detachably support the latter, the substantially horizontal annular portion of the resilient member being curved in cross section throughout its length to form an annular seat for the reception of the inner end of the reflector.

3. A device of the character described comprising a hood including a rim having an integral inturned annular flange, the rim and flange being imperforate, a reflector of smaller cross sectional diameter than said flange, and means for detachably supporting the reflector within the hood above said flange said means being composed solely of an annular resilient member having detachable engagement with said flange.

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

GEORGE CUTTER.

Witnesses:
GEORGE OLTSCH,
G. M. COLE.