

E. A. GILLINDER.  
REFLECTOR FOR INCANDESCENT LAMPS.  
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960,306.

Patented June 7, 1910.

FIG. 1.

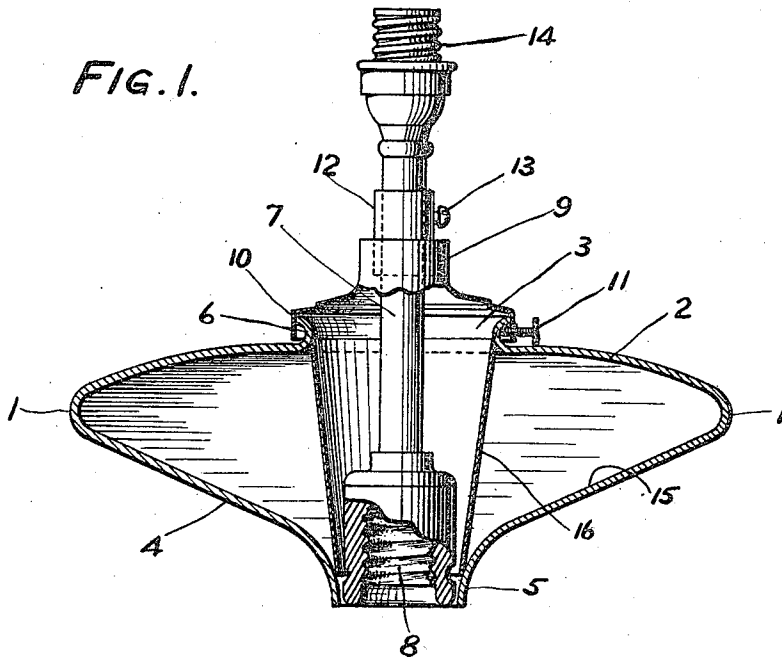
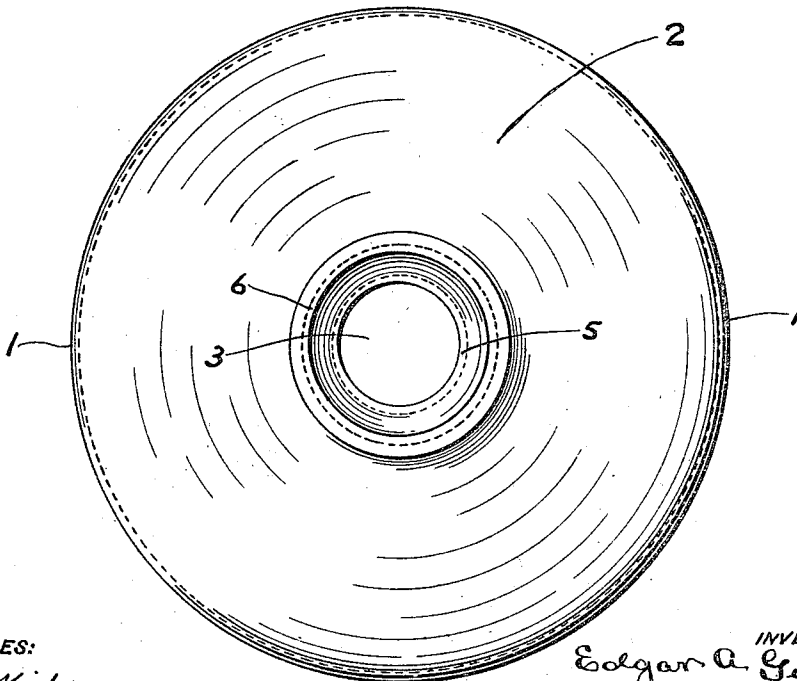


FIG. 2.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

EDGAR A. GILLINDER, OF PHILADELPHIA, PENNSYLVANIA.

REFLECTOR FOR INCANDESCENT LAMPS.

960,306.

Specification of Letters Patent.

Patented June 7, 1910.

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*To all whom it may concern:*

Be it known that I, EDGAR A. GILLINDER, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Reflector for Incandescent Lamps, of which the following is a specification.

The principal objects of the present invention are, first, to provide a reflector for incandescent lights which will be comparatively inexpensive to manufacture and which will withstand the exposure to the elements which is an incident of its use and which will present and under such conditions maintain a dry and effective reflecting surface, second, to provide the means for supporting such a reflector as well as holding the incandescent lamp or lamps in operative position, and third, to provide a comparatively inexpensive, durable and attractive fixture and reflector for electric incandescent lamps.

To these and other ends hereinafter set forth, the invention comprises the improvements to be presently described and finally claimed.

In the accompanying drawings Figure 1, is a view, principally in central section, illustrating an embodiment of my invention, and Fig. 2, is a top or plan view of the reflector detached.

The reflector consists of a single piece of glass in the form of a hollow body circular in cross-section and having a rounded periphery or rim 1, and an arch form top 2, provided with a central opening 3, and having an inwardly tapering base 4, terminating in a depending centrally perforated neck 5.

6, is a neck contracted at its center portion and constituting a continuation of the dome-shaped top. Such a reflector is obviously susceptible of being manufactured at a comparatively small cost and since it is of glass it will withstand the exposure to the elements without deterioration and will, when made of opaque glass, present an excellent reflecting surface which will remain clean, bright and effective.

7, is a rod or support arranged within the reflector and it is provided with a socket 8, for the reception of the lamp with which the reflector coöperates. The rims of the socket 8, and of the neck 5, are arranged in proximity with each other so that when a lamp

is in place in the socket it is properly positioned in respect to the reflector. The rod or support may be hollow or tubular for the accommodation of the necessary electrical connections which extend from its top to the socket 8.

9, is a cap downwardly flanged as at 10, and adapted to fit over the neck 6, of the reflector to which it is secured by means of set screws 11. This cap is provided with a circular flange 12, which encircles the rod or support 7, and is secured to it as by means of a set screw 13.

14, are means by which the rod is supported and the electrical connections made. These means are shown to comprise a screw plug having the necessary electrical connections and fittings. The inwardly tapering base may be conical or pyramidal and may present a plain or ornamental surface, such as a prismatic or embossed surface. Sometimes the inner face of this surface may be coated, as at 15, to make a mirror reflector and when this is done, use is made of a tubular casing 16 extending from the perforations or openings in the top and base and fitting the rims thereof and serving to exclude moisture.

What I claim is:

1. A combined reflector and insulating hood for incandescent lamps consisting of one piece of opaque glass in the form of a hollow body circular in cross section and having a rounded periphery or rim and an arch form centrally perforated top terminating in a grooved tubular neck and an inwardly tapering centrally perforated base, substantially as described.

2. A combined reflector and insulating hood for incandescent lamps consisting of one piece of glass in the form of a hollow body having a rounded periphery or rim and an arch form centrally perforated top terminating in a grooved tubular neck and an inwardly tapering centrally perforated base, and a tubular casing extending between the perforations and making tight joints with the wall of the hood, substantially as described.

3. A combined reflector and outdoor insulating hood for incandescent lamps consisting of one piece of opaque glass in the form of a hollow body having a rounded periphery or rim and an arch form top terminating in a centrally arranged tubular grooved neck and having an inwardly taper-

ing base terminating in a depending-centrally arranged tubular neck, substantially as described.

4. The combination of a reflector consisting of a hollow opaque one piece glass insulating body circular in cross section and having an arch form top terminating in a centrally arranged grooved tubular neck and an inwardly tapering base terminating  
10 in a centrally arranged depending tubular neck, a rod or support penetrating said body

and provided with a lamp socket arranged in proximity with the last mentioned neck, and a cap mounted on said rod or support and overlying and engaging the grooved 15 neck, substantially as described.

In testimony whereof I have hereunto signed my name.

EDGAR A. GILLINDER.

Witnesses:

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FRANK E. FRENCH.