(No Model.)

A. SHILLINGLAW.

MOISTURE PROTECTION HOOD FOR LAMPS.

No. 446,477. Patented Feb. 17, 1891.

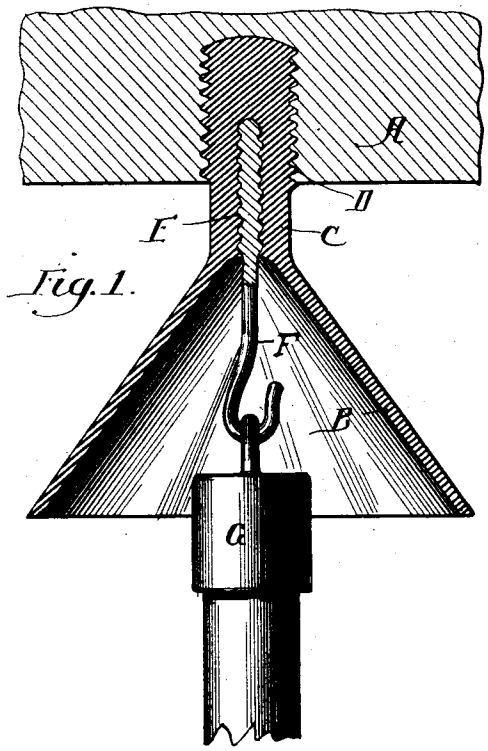


Fig. 1.

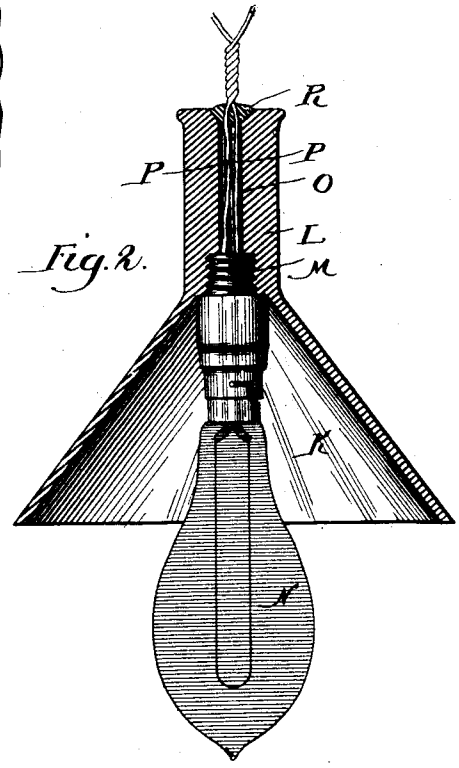
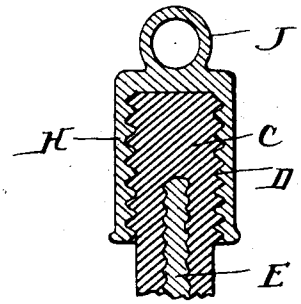


Fig. 2.

Fig. 3



Witnesses:

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UNITED STATES PATENT OFFICE.

ANDREW SHILLINGLAW, OF CHICAGO, ILLINOIS.

MOISTURE-PROTECTION HOOD FOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 446,477, dated February 17, 1891.

Application filed May 22, 1890. Serial No. 352,769. (No model.)

To all whom it may concern:

Be it known that I, ANDREW SHILLINGLAW, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Moisture-Protection Hoods for Electric Lamps, of which the following is a specification.

My invention relates to moisture-hoods for electric lamps, and has for its object to provide a convenient and simple device which may be used in connection with electric lamps, either arc or incandescent, to protect said lamps from moisture and the like which might drip upon them from above.

My invention is illustrated in the accompanying drawings, wherein—

Figure 1 is a sectional view of the device as applied to an arc lamp. Fig. 2 is a similar view of the device as applied to an incandescent lamp. Fig. 3 is a detail of the suspending cap.

Like parts are indicated by the same letters in all the figures.

A is the ceiling or part to which the lamp is to be secured.

B is a hood or shield in the shape of a funnel, with the enlarged upper end C screw-threaded without at D and provided with a screw-threaded aperture E within, and into which is secured the screw-hook F. The hood and part C, continuous therewith, are made of hard rubber or similar substance.

G is the arc lamp, which may be suspended from the hook F.

H is a thimble, cap, or cup-shaped piece internally screw-threaded to engage the screw-thread D on the upper portion of the hood. Such cap is provided with the eye J, whereby it may be secured to a hook in the ceiling, if that be desired.

K is a similar hood having the portion L screw-threaded at M to receive the socket of the lamp N, and provided with an aperture O, through which pass the conductors P P, and also provided with a cup-shaped recess R at its upper end, in which such conductors P P may be sealed.

The use and operation of my invention are as follows: The hood B and suitable material, as suggested, provided with the screw-threaded exterior, may be screwed up into an aperture formed in the ceiling or joist A. The hook F is screw-threaded and is molded or cast in the portion C, as shown in Fig. 1, or it can be screw-threaded upwardly into such portion, if desired. To this hook F the lamp can of course be suspended at will. If now the lamp is situated in such a position that the moisture would tend to flow from the joist A or ceiling above upon it, such moisture will be received upon the outside of the hood B and will be delivered at the edges of such hood, and will not fall upon any of the working parts of the lamp. The hood and its associated features are to be made of hard rubber or similar material to make them durable in the positions for which they are designed.

In case of an incandescent lamp the device is substantially similar, except that the lamp is screw-threaded directly into the upper portion of the hood instead of being attached to a hook screw-threaded therein, and the conductors pass outwardly through such hood, which makes it necessary to seal the passage through which they pass, as at R.

In some cases it is not desirable to secure the portion C directly into the ceiling or joist, and hence the cap H, provided with the eye J, is secured upon such upper portion of the hood and then hooked to a suitable hook in the wall or ceiling. It will be observed that when this hood is applied to incandescent lights moisture cannot get at the conductors, for the point at which they enter the lamp is fully protected by the hood below and the seal R above.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is as follows:

1. In a moisture-hood for electric lamps, the combination of an inverted funnel over the lamp with an enlarged screw-threaded portion thereon and a suspending cap screw-threaded and adapted to receive such portion and to engage a suspending hook.

2. In a moisture-hood for electric lamps, the combination of an inverted funnel over the lamp with an enlarged portion thereon, and a suspending cap adapted to receive such portion and to engage a suspending hook, and a screw-hook cast in such enlarged portion of the hood, adapted to receive the lamp.

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