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INCANDESCENT LAMP PROTECTOR FOR STREET LIGHTS

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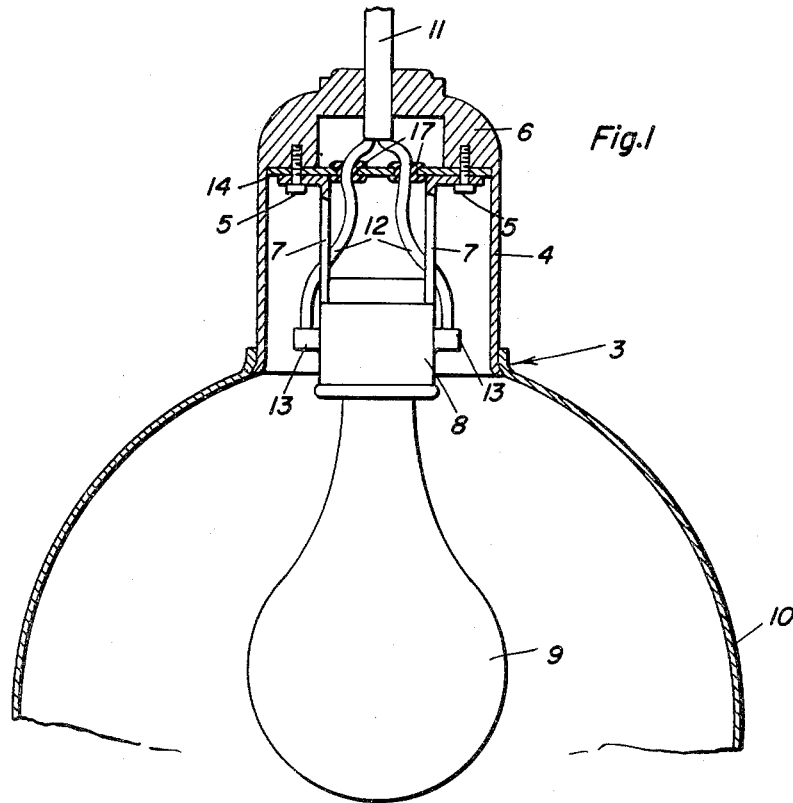


Fig. 1

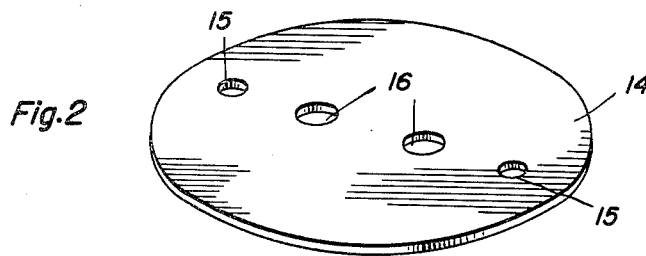


Fig. 2

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**INCANDESCENT LAMP PROTECTOR FOR  
STREET LIGHTS**  
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I Claim. (Cl. 240-11.2)

The present invention relates to new and useful improvements in street and other outdoor electric lights and has for its primary object to provide, in a manner as hereinafter set forth, novel means for protecting the incandescent lamps of such lights against condensate forming in the heads thereof.

Another important object of the invention is to provide a condensate shield or protector of the character described which may be expeditiously installed in conventional street, etc., lights without the necessity of altering the same structurally in any manner.

Other objects of the present invention are to provide a shield or protector of the aforementioned character which is of simple construction, strong and durable, compact and which may be manufactured at low cost.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

FIGURE 1 is a view in vertical section through an electric street light provided with a protector constructed in accordance with the present invention; and

FIGURE 2 is an enlarged perspective view of the shield or protector per se.

Referring now to the drawing in detail, it will be seen that reference character 3 designates generally a conventional street light. The street light 3 includes the usual head 4 having secured by screws 5 in the top portion 6 thereof a pair of depending brackets or hangers 7 on which a socket 8, for the reception of an incandescent lamp 9, is mounted. Also mounted on the head 4 is a globe or shade 10 for the lamp 9. Passing downwardly through the top 6 of the head 4 is a conductor cord 11 the wires 12 of which are electrically connected in the usual manner at 13 to the socket 8.

Mounted in the head 4, between the top 6 and the brackets 7, is a circular plate or disk 14 of aluminum. The plate 14 is provided in its outer portion with a pair of apertures 15 which accommodate the screws 5. Inwardly of the apertures 15, the plate 14 is further provided with a pair of spaced openings 16 for the passage of the wires 12. In the installation shown, insulating grommets 17 are provided in the openings 16 for the wires 12.

It is thought that the manner in which the invention functions will be readily apparent from a consideration of the foregoing. Briefly, to install the protector in a head 4, which has already been assembled, the members

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5, 7, 8, etc., are removed and the plate 14 is inserted. The plate 14 is of a diameter to fit snugly in the head 4. The members 5, 7, 8, etc., are then replaced after the wires 12 have been inserted through the grommets 17. The screws 5 are tightened, thus firmly securing the plate 14 in position in the upper portion of the head 4. Condensate forming in the upper portion of the head 4 is now prevented from falling on the incandescent lamp 9 in an obvious manner. When the street light 3 is lit the plate 14, being of aluminum, rapidly heats to a sufficiently high temperature to evaporate any condensate which may otherwise accumulate thereon. This constitutes a highly important and desirable feature of the invention.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

An outdoor electric light comprising a hollow head having an opening in the top thereof, a pair of hangers mounted in an intermediate portion of the head, said hangers including apertured, outwardly extending upper end portions, screws securing said upper end portions of said hangers to the head, an electric socket mounted on the hangers, an incandescent lamp in said socket, conductor wires entering the head through the opening and electrically connected to the socket, a globe on the head enclosing the lamp, and an aluminum disk mounted horizontally between said upper end portions of said hangers and said intermediate portion of the head, said disk having apertures therein receiving the screws and further having insulated openings therein receiving the conductor wires, said disk being readily heatable by the lamp and of a heat-absorbing capacity to vaporize condensate gravitating to said disk from the upper portion of the head.

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