

No. 666,778.

Patented Jan. 29, 1901.

W. S. QUIGLEY.
RING SHADE FOR HYDROCARBON VAPOR LAMPS.

(Application filed Aug. 10, 1900.)

(No Model.)

Fig. 1.

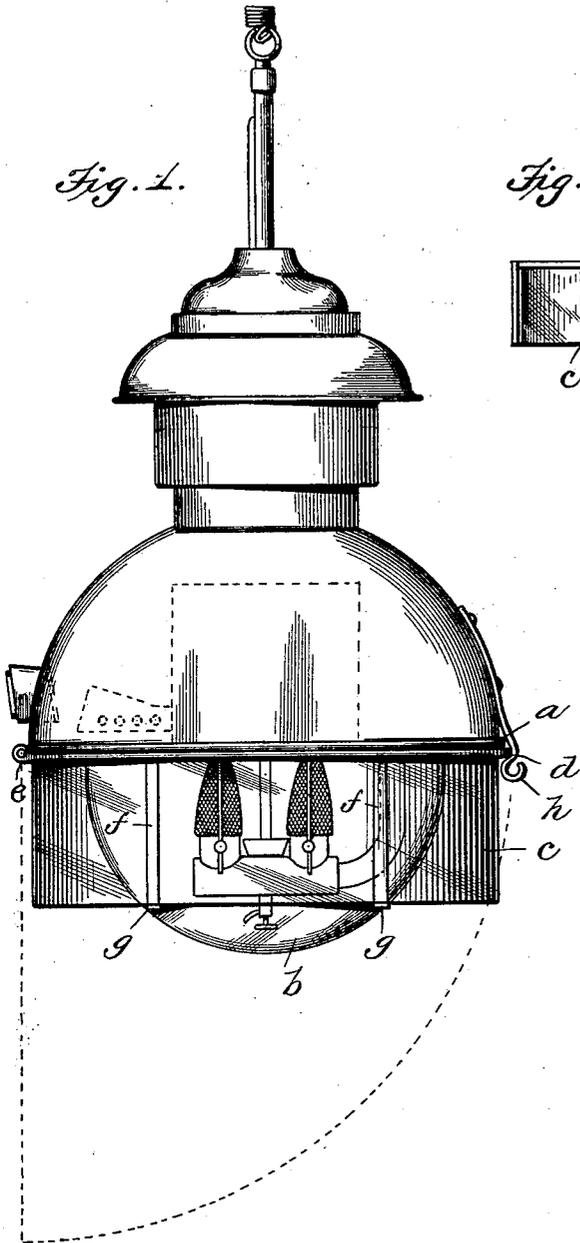


Fig. 2.

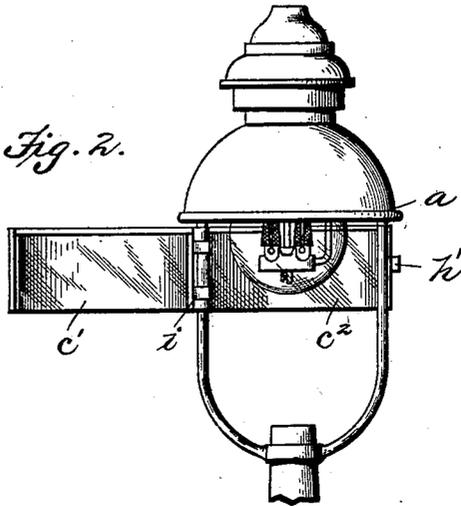
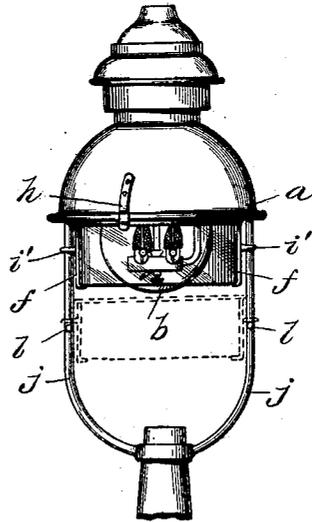


Fig. 3.



Inventor

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Witnesses

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UNITED STATES PATENT OFFICE.

WIRT STANLEY QUIGLEY, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO THE KITSON HYDROCARBON HEATING AND INCANDESCENT LIGHTING COMPANY, OF SAME PLACE.

RING-SHADE FOR HYDROCARBON-VAPOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 666,778, dated January 29, 1901.

Application filed August 10, 1900. Serial No. 26,518. (No model.)

To all whom it may concern:

Be it known that I, WIRT STANLEY QUIGLEY, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Ring-Shades for Hydrocarbon-Vapor Lamps; and I do hereby declare that the following is a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same.

Frequently in street-lighting where hydrocarbon-lamps are employed the globe or shell inclosing the burners is shattered or otherwise damaged by reason of its exposure to rain, snow, and sleet. This is due to the intense heat to which the globe has been subjected, which expands the glass, and then to the instant contraction when the shell is suddenly wetted by such exposure to the elements.

It is the object of the present invention to overcome this annoyance; and, broadly stated, it consists in providing a transparent or translucent diaphragm or skirt which shall inclose the greater portion of the globe, but which will not reduce the light-rays nor cast a shadow.

The nature, characteristic features, and scope of my invention will be more fully understood from the following description taken in connection with the accompanying drawings, forming part hereof, and in which—

Figure 1 is a side elevational view of a lamp, showing one way of carrying out my invention, the same consisting of a cylindrical shade hinged to swing downwardly. Fig. 2 is a similar view of another form of globe-protector consisting of a two-part cylindrical shade, the two parts being hinged to swing laterally, as shown; and Fig. 3 is an elevational view of a lamp provided with a cylindrical shade made to telescope the globe.

Referring to Fig. 1, the lamp is the well-known Kitson system, provided with the usual globe-support *a* and glass globe or shell *b*. The guard I employ to protect the globe consists of a cylinder *c*, preferably of glass, provided at its top with a metal band *d*, which is hinged to the globe-support, as at *e*. The cylinder or shade *c* is supported by metal strips *f*, depending from the band *d* and gen-

erally four in number, which are bent under the lower edge of the shade *c* to constitute lugs *g*. The shade is held in place in any suitable manner—for instance, by the catch *h*. Access can readily be had to the globe *b* by releasing said catch, whereby the shade will swing downwardly, as indicated by the dotted lines.

In the construction Fig. 2 the cylindrical shade or skirt has the general form Fig. 1, but is made up of two semicircular members *c'* *c''*, hinged at *i*, so as to swing laterally, and retained by catch *h'*.

In Fig. 3 I have shown the cylindrical shade or skirt as telescoping the shell *b*. It is similarly constructed as the shade Fig. 1; but here the strips *f* are provided in any suitable manner with rings *i'*, which ride on the harps *j*, the latter being provided with limit-pins *l* for the rings *i'* to bear against when the shade is lowered to prevent the latter from being shattered by being brought into forcible contact with the curved portions of the harps *j*. The shade is retained in its normal raised position in any suitable manner—as, for instance, by the spring-clip *h*. The dotted lines indicate the position of the shade when lowered.

It will be obvious to those skilled in the art to which my invention appertains that modifications may be made in detail without departing from the spirit thereof. Hence I do not limit myself to the precise construction and arrangement hereinabove set forth and illustrated in the accompanying drawings; but,

Having thus described the nature and objects of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A globe-protector comprising a transparent cylinder, a metal band attached to the upper periphery of the cylinder, and a series of individual strips depending from said band and bent under the lower periphery of the cylinder to constitute a seat therefor, substantially as described.

2. The combination with the globe and globe-support, of a transparent cylinder surrounding the globe to near the bottom thereof, and a seat or support for said cylinder movable

in respect to the globe, substantially as described.

3. The combination with the globe and globe-support, of a globe-protector, comprising a
5 metal cylinder hinged to the support, a series of strips depending from said cylinder to near the bottom of the globe and bent at their lower extremities to constitute a seat, and a

transparent or translucent skirt retained by said strips, substantially as described. 10

In testimony whereof I have hereunto signed my name.

WIRT STANLEY QUIGLEY.

In presence of—

ROBT. S. MONKHOUSE,
BENJAMIN J. COOKE.