

F. DIETZ.
 LANTERN GUARD.
 APPLICATION FILED DEC. 26, 1911.

1,048,300.

Patented Dec. 24, 1912.

Fig. 1.

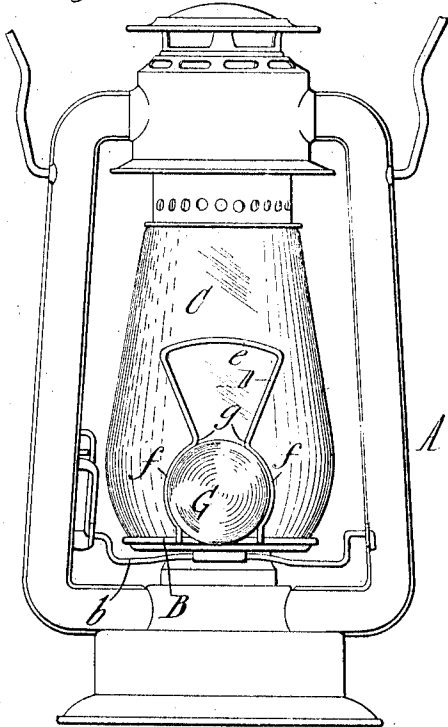


Fig. 2.

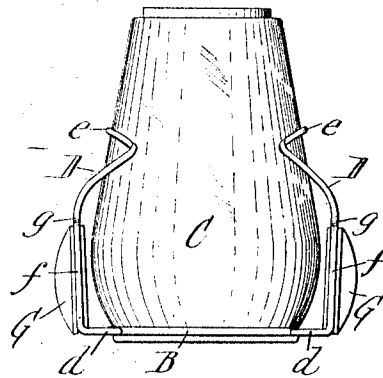
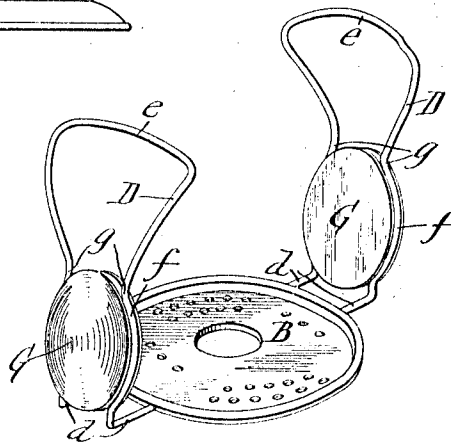


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

FREDERICK DIETZ, OF NEW YORK, N. Y.

LANTERN-GUARD.

1,048,300.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FREDERICK DIETZ, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented a new and useful Improvement in Lantern-Guards, of which the following is a specification.

This invention has for its object to provide the wire guards of tubular lanterns with one or more lenses, usually of circular form and called bull's eyes, in a simple, inexpensive and satisfactory manner.

The invention has reference more particularly to that class of guards which are secured to a base plate, usually perforated, upon which the globe rests and which guards comprise wires which rise from the plate and grasp the lower part of the globe, thereby holding the globe removably on the plate. This invention utilizes these guard wires as holding devices for the lenses, of which two are preferably used, one on the front and one on the rear side of the lantern, which lenses can be of different color, for instance, the front lens white and the rear lens red.

In the accompanying drawings: Figure 1 represents a rear elevation of a tubular lantern provided with this improved guard. Fig. 2 is a detached side elevation of the guard and globe. Fig. 3 is a detached perspective view of the guard.

Like reference characters refer to like parts in the several figures.

A represents the frame of a tubular lantern of any suitable construction.

B represents the base plate which supports the globe C and which is connected with the frame by a lifter shaft *b* of well known construction, or by any other suitable means which prevents rotary movement of the plate in the frame.

D D represent two guard sections which are secured to the base plate and rise therefrom on the front and rear sides of the lantern. Each of these sections has approximately the form of an upright loop which is secured with the lower ends of its two branches *d* to the base plate and grasps the globe with its transverse top portion *e*. Between the top portion and the base plate the upright branches of the loop are provided with curved clamping portions *f* which bear against the lens G on opposite sides thereof

and hold the lens securely in position at the proper height above the plate to be in line with the flame. The lens is provided with a marginal groove into which the clamping portions of the guard wire enter. The guard wires are sufficiently elastic or yielding to permit the lens to be sprung between them and to be removed, if desired. The globe is removably held on the plate by the two guard sections bearing with their upper portions against the front and the rear sides of the globe. The pressure exerted by the globe upon the upper portion of each guard section or member tends to throw the upper portion of the guard member outward and to press the knees or angular portions *g* of the side branches of each member toward each other and against the lens, thereby causing the guard member to grip the lens tightly and preventing the lens from becoming loose in inserting and removing the globe.

When two lenses are used on the guard the lenses can be of different color or character, for instance, the front lens white and the rear lens red, which combination of lenses is particularly suitable in lanterns used on vehicles. The lenses can be readily removed from the guard and be replaced by different lenses, if desired.

I claim as my invention:

1. A lantern guard comprising a globe plate, a wire member having side branches rising from said plate and a top portion connecting said branches, said member bearing against the globe with its upper portion and having its side branches provided with clamping portions which clamp a lens between them, substantially as set forth.

2. A lantern guard comprising a globe plate, looped wire members arranged on diametrically opposite sides of said plate and adapted to grasp the globe between them, and a lens clamped between the side branches of said looped member, substantially as set forth.

3. A lantern guard comprising a globe plate, a looped wire member extending upwardly from said plate and adapted to bear against the globe with its upper portion, and a lens clamped between the upright branches of said looped member, substantially as set forth.

4. The combination with a globe plate and

a lens, of a wire guard comprising side branches which rise from said plate and are provided with opposing curved clamping portions which bear against opposite sides
5 of the lens, and a connecting top portion which is adapted to grasp the globe, substantially as set forth.

Witness my hand in the presence of two subscribing witnesses.

FREDERICK DIETZ.

Witnesses:

FRED H. TWOMBLY,
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