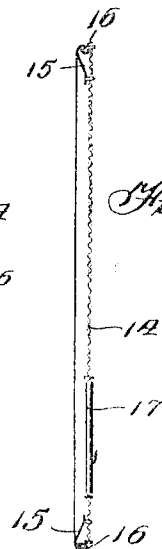
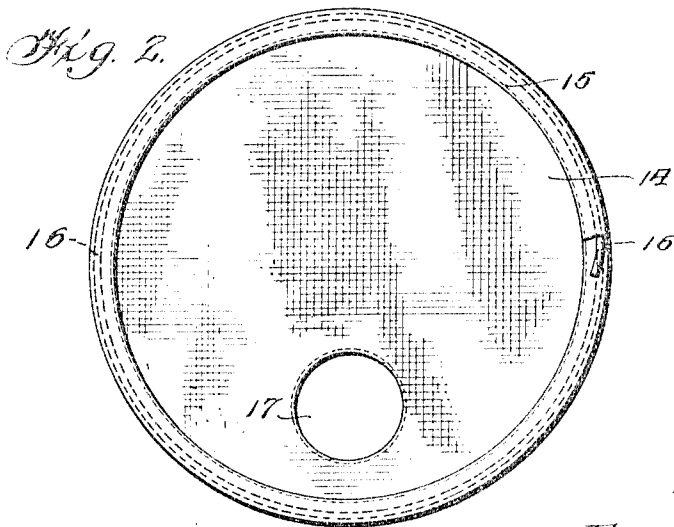
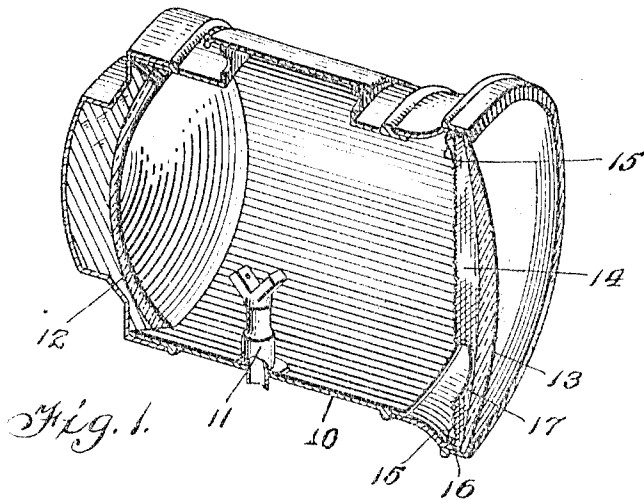


F. H. TOBIAS.
LIGHT DIMMER.

APPLICATION FILED DEC. 12, 1911.

1,040,814.

Patented Oct. 8, 1912



Witness
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UNITED STATES PATENT OFFICE.

FRANCIS H. TOBIAS, OF NEW YORK, N. Y.

LIGHT-DIMMER.

1,040,814.

Specification of Letters Patent.

Patented Oct. 8, 1912.

Application filed December 12, 1911. Serial No. 665,268.

To all whom it may concern:

Be it known that I, FRANCIS H. TOBIAS, a citizen of the United States, and residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Light-Dimmers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to light dimmers and more particularly to that class used in connection with automobile or other head-lights and has for an object to provide a simple device which may be easily applied and easily detached from a lamp and furthermore, one which may be applied to any lamp of the standard make.

Another object of my invention is the provision of the dimmer which affects the rays of light projected forwardly from said lamp except through a small interval below the center of the light to permit a diffused light to the ground slightly in advance of the lamp.

Further objects will be apparent from the following specification, appended claims and drawings, in which:—

Figure 1 is a fragmentary perspective view of a lamp equipped with my device. Fig. 2 is a front elevation thereof. Fig. 3 is a vertical sectional view therethrough.

Referring more specifically to the drawings there is shown a housing 10 provided with a burner 11, reflector 12 and lens 13.

The dimmer comprises a circular piece of fabric 14 which may be of linen, muslin or any such material, and about the marginal edge thereof is a strand of braid 15 or the light which serves as a facing in which is inserted a strand of spring wire 16 which keeps the circular piece of fabric 13 taut, and the circular piece of fabric is made to fit a standard sized lamp and the dimmer is then inserted in the frame supporting the lens immediately behind the lens. The ends of the wire 16 are left free so that they may over-

lap so that in applying the dimmer to the frame of a lens the wire may be coiled in a smaller circle which permits the dimmer to be decreased in applying the dimmer and when released the wire springs back to its normal position in which action it binds against the inner wall of the frame and also draws the fabric 14 taut.

The fabric 14 is provided with an opening 17 which opening is positioned so that when the dimmer is applied the direct rays of the light will pass therethrough and be projected to the ground in advance of the lens and the opening will be made of a desired size to permit sufficient light to pass therethrough to satisfy the requirements.

I am aware that various modifications may be made within the scope of my invention and

Having fully described my invention, I claim:—

1. In a dimmer for lamps, a disk of fabric having a facing about the marginal edge thereof and a strand of spring wire in said facing.

2. In a lamp dimmer, a disk of fabric having a facing about the marginal edge thereof, a strand of spring wire within said facing, said spring wire being yieldable to permit the diameter of said disk being reduced in applying the same, and an opening through said disk between the center and the margin to permit direct rays to pass therethrough.

3. In a dimmer for lamps, a disk of fabric having a facing about the edge thereof, a strand of spring wire in said facing, and an opening through said disk eccentrically formed therein, said opening permitting direct rays to pass therethrough to be projected to the ground in advance of the lamp.

In testimony whereof I affix my signature in presence of two witnesses.

FRANCIS H. TOBIAS.

Witnesses:

A. STEPHEN AARONSTAMM,
S. H. GOLDING.