

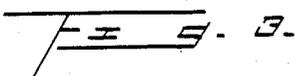
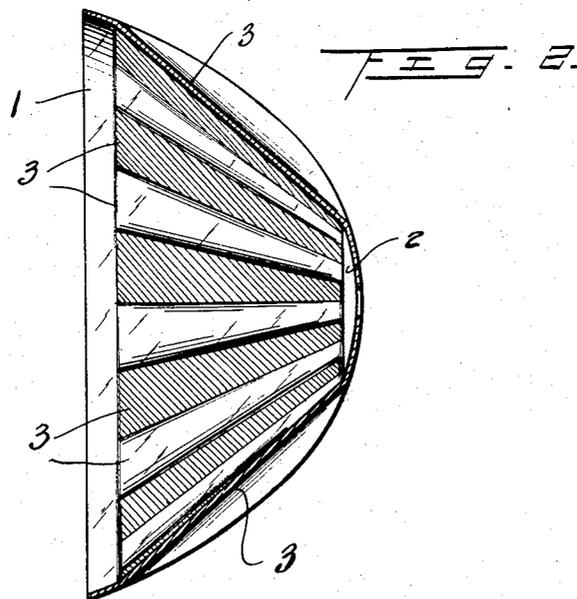
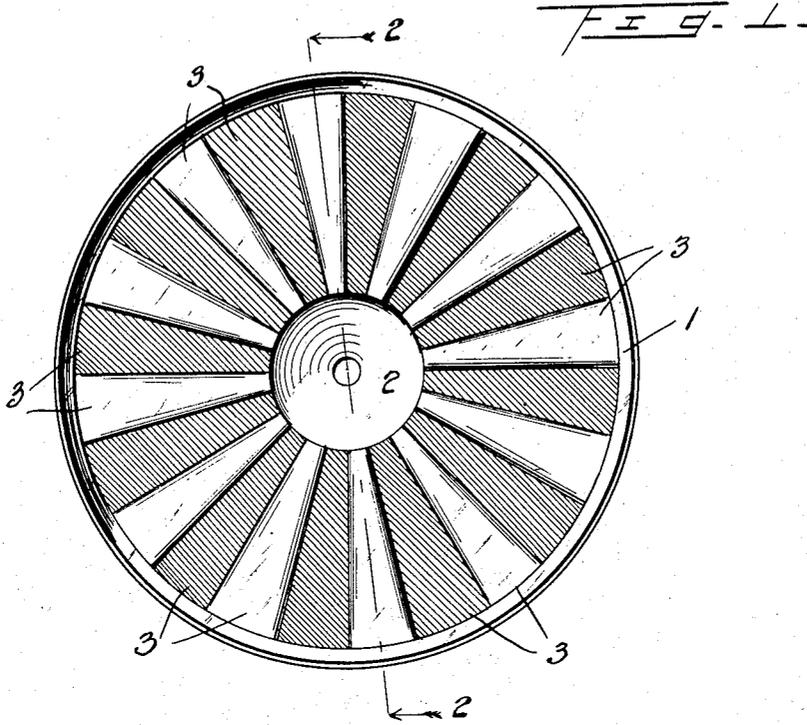
Nov. 18, 1924.

1,516,379

L. DUFEK

HEADLIGHT REFLECTOR

Filed June 19, 1923



Inventor  
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# UNITED STATES PATENT OFFICE.

LOUIS DUFEK, OF SEATTLE, WASHINGTON.

## HEADLIGHT REFLECTOR.

Application filed June 19, 1923. Serial No. 646,413.

*To all whom it may concern:*

Be it known that I, LOUIS DUFEK, a citizen of the Czechoslovakia Republic, residing at Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Headlight Reflectors; 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.

The object of this invention is the provision of a reflector for headlights which while projecting the rays of light will obviate glare and the consequent blinding of the driver of an approaching vehicle.

A further object of the invention is to provide a reflector which will modify the light and soften and mellow the rays thereof to obviate the blinding glare which is prolific of casualties, annoyances and discomfort.

In accordance with the present invention the surface of the reflector is corrugated and of contrasting color, the crests of the corrugations and the valleys between the corrugations being of different colors which blend so as not to leave any line of demarcation.

Other objects and advantages will be apparent and suggest themselves as the nature of the invention is understood.

While the drawings illustrate an embodiment of the invention it is to be understood that in adapting the same to meet different conditions and requirements, various changes in the form, proportion and minor details of construction may be resorted to without departing from the nature of the invention.

Referring to the accompanying drawings forming a part of the application:

Figure 1 is a reflector embodying the invention,

Figure 2 is a sectional view thereof on the line 2-2, and

Figure 3 is a diagrammatic sectional view.

Corresponding and like parts are referred to in the following description and designated in the several views of the drawings by like reference characters.

The reflector illustrated may be of any construction and design such as generally

provided for headlights and in accordance with the present invention, the outer or marginal portion 1 of the reflector is plain as well as the central portion 2. However, the intermediate portion is corrugated or fluted, as indicated most clearly in Figure 3, the outline of the corrugations being of any preferred configuration. In the preferred arrangement, the corrugations 3 have a radial disposition and their terminal portions merge into the plain surfaces 1 and 2. The outline of the corrugations is more pronounced at a central point and tapers or vanishes towards opposite ends into the plain surfaces 1 and 2. These corrugations result in diffusing the rays of light, thereby obviating the blinding glare and the light is further softened and mellowed by having the crests of the corrugations 3 and the valleys between the corrugations of contrasting color and, in practice, the best results are obtained by having the portions between the corrugations green and the crests of the corrugations white, and these colors blend or vanish so as not to leave any line of demarcation or distinction.

A reflector constructed in the manner herein indicated will effectively illuminate the roadway ahead of a vehicle without shedding rays of light of a glaring or blinding nature which is objectionable.

What is claimed is:

1. A reflector having its surface corrugated and the crests of the corrugations and the valleys therebetween of contrasting colors adapted to blend in combination with a source of artificial light so as to obscure lines of demarcation between the colors.

2. A headlight reflector having its center and marginal portions plain and the intermediate portion radially corrugated, the corrugations vanishing at opposite ends into the plain surfaces and the crests of the corrugations and the valleys therebetween being of contrasting colors adapted to blend in combination with a source of artificial light so as to obscure lines of demarcation between the colors.

In testimony whereof I affix my signature in presence of a witness.

LOUIS DUFEK.

Witness:

BENNETT S. JONES.