

Jan. 16, 1923.

R. O. YARDLEY.
HEADLIGHT LENS.
FILED FEB. 12, 1921.

1,442,207.

Fig. 1

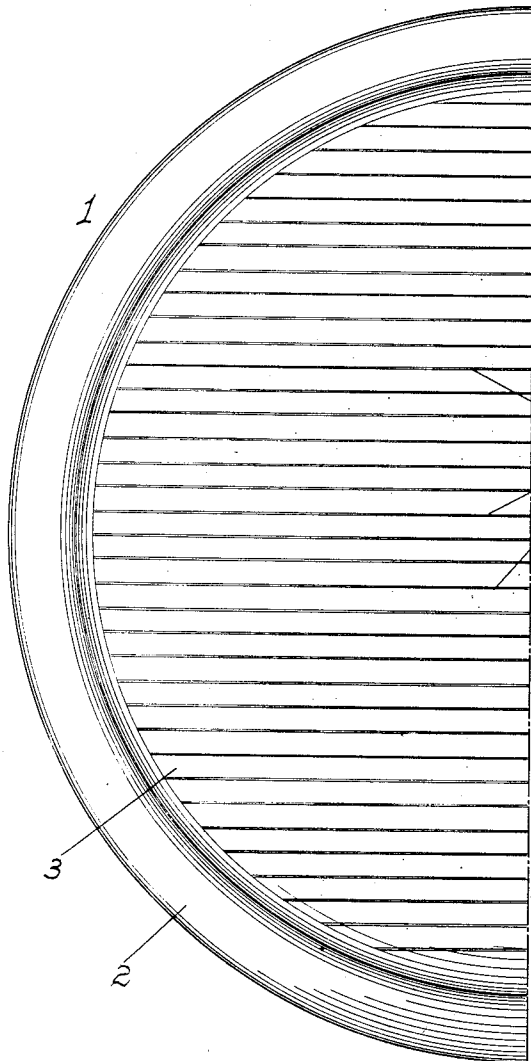
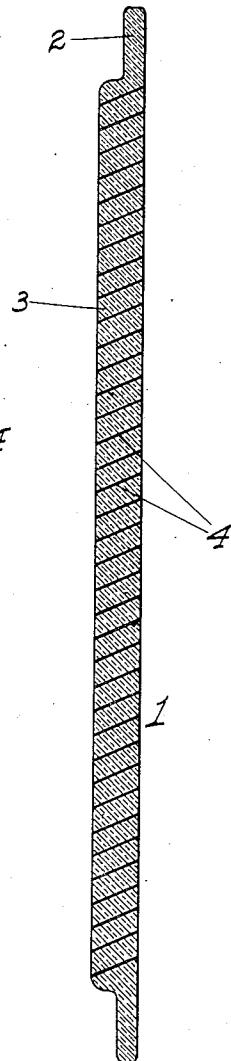


Fig. 2



INVENTOR.
Ralph O. Yardley
BY *Ralph O. Yardley*
ATTORNEY

UNITED STATES PATENT OFFICE.

RALPH O. YARDLEY, OF SAN FRANCISCO, CALIFORNIA.

HEADLIGHT LENS.

Application filed February 12, 1921. Serial No. 444,959.

To all whom it may concern:

Be it known that I, RALPH O. YARDLEY, a citizen of the United States, residing at San Francisco, county of San Francisco, State of California, have invented certain new and useful Improvements in Headlight Lenses; and I do declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this application.

This invention relates to improvements in headlight glasses or lenses as they are more commonly called.

The principal object of the invention is to provide a glass or lens for use particularly with automobile headlights, to be secured to the headlight in the usual manner, which while allowing the full radiance of the light to be thrown onto the ground ahead of the car, will effectually keep the glare out of the eyes of oncoming drivers or pedestrians, so that they will not be blinded by the glare as now frequently happens.

A second and very important object of the invention is to form a lens or glass which will function as above stated, in such a manner as to make it but very slightly bulkier than the ordinary plain glass lenses.

A further object of the invention is to produce a simple and inexpensive device and yet one which will be exceedingly effective for the purposes which it is designed.

These objects I accomplish by means of such structure and relative arrangement of parts as will fully appear by a perusal of the following specification and claim.

In the drawings similar characters of reference indicate corresponding parts in the several views.

Fig. 1 is a half front elevation of my improved glass.

Fig. 2 is a sectional view of the same.

Referring now more particularly to the characters of reference on the drawings, the

numeral 1 denotes the glass proper, of any suitable diameter or shape of periphery, the portion adjacent the outer edge as at 2 having a thickness adapting it to fit readily into the rim of a standard form of headlight.

The central portion of the glass however is somewhat thicker, as at 3, this thickness being preferably uniform throughout its extent.

Extending transversely of this center portion throughout its area and from front to rear thereof and on a suitable angle sloping downwardly toward the front are translucent veins 4, of any desired color, but preferably green, the main glass being colorless and transparent.

These veins are translucent and are preferably thin, being spaced a certain and suitable distance apart vertically. Their manner of formation or insertion in the glass, no matter of what material they may be made, is to be left to the skill of the glass maker, who would employ the best and most practical method known to his art.

For instance, the veins may be formed or molded with the main glass, or if found desirable the lens may be built up of a number of colored and colorless pieces of glass, suitably cemented or otherwise secured together in any desired manner.

No matter how formed or placed however, in the finished product the lens or glass would be a single member, the veins appearing as component parts of the glass, very much like the fanciful coloring veins or markings commonly found in marbles and the like.

In practice, this arrangement will be found to give a bright white light on the road ahead, concentrated and thrown downwardly where it is needed, while a person looking into the light from ahead, and usually somewhat above the same, will see only a soft glow of colored light, depending on the color of the veins, comforting rather than confusing to the eyes.

From the foregoing description it will be

readily seen that I have produced such a device as substantially fulfills the objects of the invention as set forth herein.

While this specification sets forth in detail the present and preferred construction of the device, still in practice such deviations from such detail may be resorted to as do not form a departure from the spirit of the invention, as defined by the appended claim.

Having thus described my invention, what I claim as new and useful and desire to secure by Letters Patent is:—

A headlight lens comprising a single integral clear glass member of uniform thickness throughout, the same having formed in the integral body thereof a plurality of equally spaced translucent veins.

In testimony whereof I affix my signature,
RALPH O. YARDLEY.