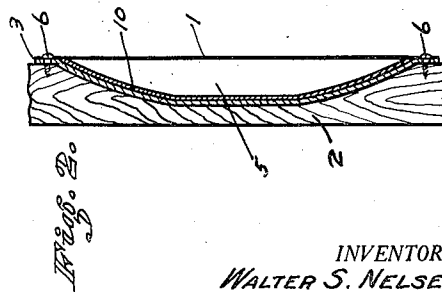
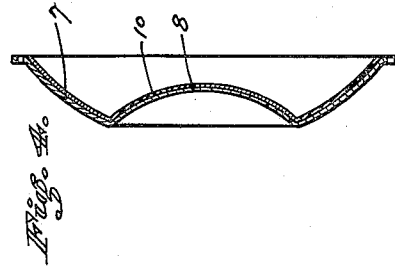
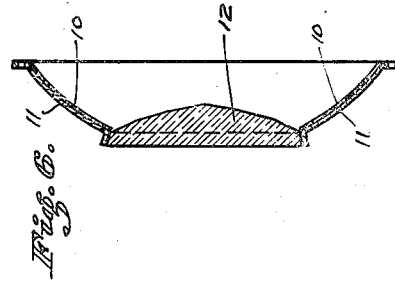
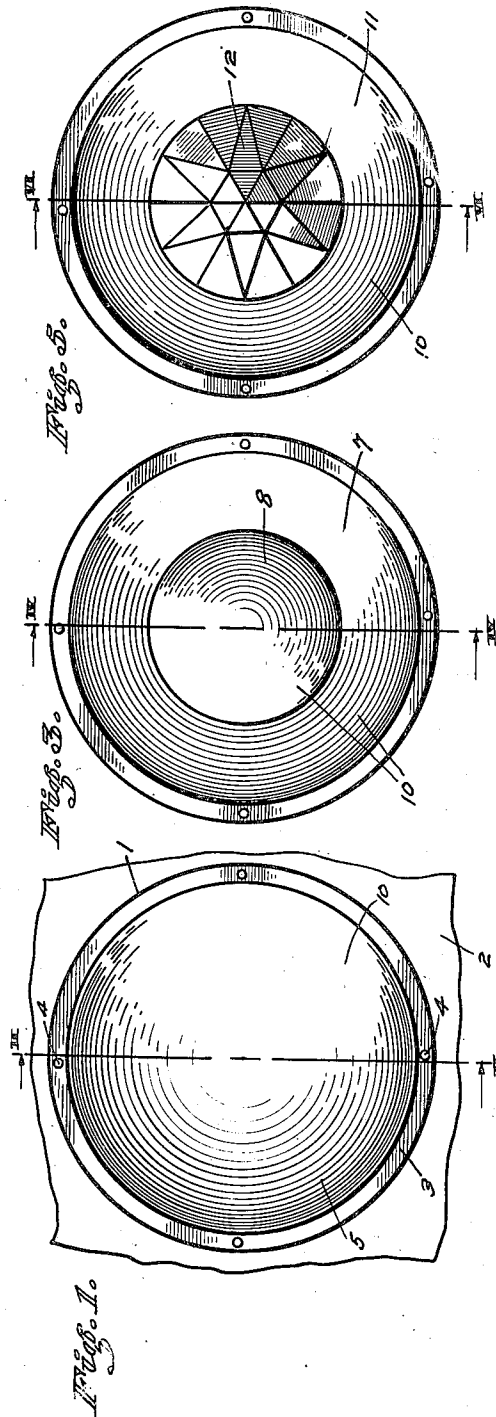


W. S. NELSEN.  
 RADIUM EMERGENCY LIGHT.  
 APPLICATION FILED APR. 19, 1921.

1,412,955.

Patented Apr. 18, 1922.



INVENTOR.  
 WALTER S. NELSEN  
 BY *Mumford*  
 ATTORNEY

# UNITED STATES PATENT OFFICE.

WALTER S. NELSEN, OF VALLEJO, CALIFORNIA.

## RADIUM EMERGENCY LIGHT.

1,412,955.

Specification of Letters Patent. Patented Apr. 18, 1922.

Application filed April 19, 1921. Serial No. 462,648.

*To all whom it may concern:*

Be it known that I, WALTER S. NELSEN, a citizen of the United States, and resident of Vallejo, county of Solano, and State of California, have invented new and useful Radium Emergency Lights, of which the following is a specification.

The present invention relates to improvements in radium emergency lights and its object is to provide a safety light for automobiles or other vehicles by using radium paint or any other illuminous paint as a lighting means. It frequently happens that in an automobile the batteries give out, the wires become disconnected or for some other reason the lights cease to work, and, if this happens at the rear end of the car, it is not even always noticed by the driver. The object of my invention is to provide a light which in such cases, although not very brilliant, will make it possible for the driver to continue his travel to the nearest repair station and, when in the rear of the car, will furnish sufficient light to prevent accidents and to comply with police regulations.

I attain these objects by means of the mechanism illustrated in the accompanying drawing, in which Figure 1 represents a front view of my light, Figure 2 a vertical section through the same along line 2—2 of Figure 1, Figure 3 a front view of a modified form of my light, Figure 4 a vertical section through the same along line 4—4 of Figure 3, Figure 5 a front view of another modification and Figure 6 a vertical section through the same along line 6—6 of Figure 5.

Referring to the drawing in detail it will be seen that in Figures 1 and 2 my light 1 is shown as being sunk into the dash board (2) of an automobile. It may, of course, be attached to the automobile in any convenient place, in front or in the rear, in the dash or right near the head lights, and it consists of a concave dial (5) made of any suitable material such as aluminum, copper, tin, glass, brass, etc. The surface of this dial is provided with a coat of radium paint as shown at (10) so that it will emit rays of light that show up sufficiently at night time, in the absence of any stronger and brighter lights, to lessen the danger of collision in case the electric or other lights of the automobile or vehicle fail to perform their duty. The fastening means for this light are very simple. As shown in the drawing, the concave face of the light is provided with a

flange (3), made preferably of the same material as the dial and provided with a plurality of perforations (4) through which screws (6) may pass to be screwed into the dash board or other support selected.

Figures 3 and 5 show variations of this simple form. The variation shown in Figure 3, and in section in Figure 4, varies from that of Figure 1 in so far as the concave surface (7) is used as a mere reflecting surface, while a central convex part (8) is radium painted and sheds its light on the reflector, which latter reflects it into the universe so that it may be observed by a person or driver of a machine approaching the automobile. The variation shown in Figure 5, and in section in Figure 6, differs from the one shown in Figure 3 in this, that the concave part of the surface is coated with the radium paint, while the inner, convex part (12) is provided with a plurality of crystals of red, white or blue glass. This variation would be especially adapted to be used where it is desired to show a colored light, since the rays reflected by the crystals would naturally assume, more or less, the color of the crystals.

While I have thus described the preferred forms of my invention I wish to have it understood that slight changes may be made within the scope of the claims hereto attached without affecting the spirit of the invention.

I claim:

1. In combination with a vehicle, a radium emergency light comprising a face having a convex central part and a concave marginal part, one of said parts being radium painted and the other of reflecting material, and having means adapted to be secured to the vehicle.

2. In combination with a vehicle, a radium emergency light comprising a face having a convex central and a concave marginal part, one of said parts being radium painted and the other part being of colored and reflecting material, and having means adapted to be secured to the vehicle.

3. In combination with a vehicle, a radium emergency light comprising a face having a convex central and a concave marginal part, one of said parts being radium painted and the other part being made of colored crystal glass, and having means adapted to be secured to the vehicle.

WALTER S. NELSEN.