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 Ra-
dium 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 ob-
ject of my invention is to provide a light
which in such cases, although not very brilli-
ant, will make it possible for the driver to
continue his travel to the nearest repair sta-
tion 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 modi-
fied 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 Fig-
ure 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 conven-
ient place, in front or in the rear, in the dash
or right near the head lights, and it consists
of a concave dial (3) made of any suitable
material such as aluminum, copper, tin, glass,
brass, etc. The surface of this dial is pro-
vided 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 auto-
mobile 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 (8), made preferably of the same ma-
terial as the dial and provided with a plu-
rality of perforations (4) through which
screws (8) 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 Fig-
ure 3, and in section in Figure 4, varies from
that of Figure 1 in so far as the concave sur-
face (7) is used as a mere reflecting sur-
face, while a central convex part (8) is ra-
dium painted and sheds its light on the re-
lector, which latter reflects it into the uni-
verse 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 con-
cave 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 when
it is desired to show a colored light, since
the rays reflected by the crystals would nat-
urally 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 un-
derstood that slight changes may be made
within the scope of the claims hereinafter
attached without affecting the spirit of the in-
vention.

I claim:
1. In combination with a vehicle, a radium
emergency light comprising a face having a
convex central part and a concave margi-
nal 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 colored and reflect-
ing 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.