

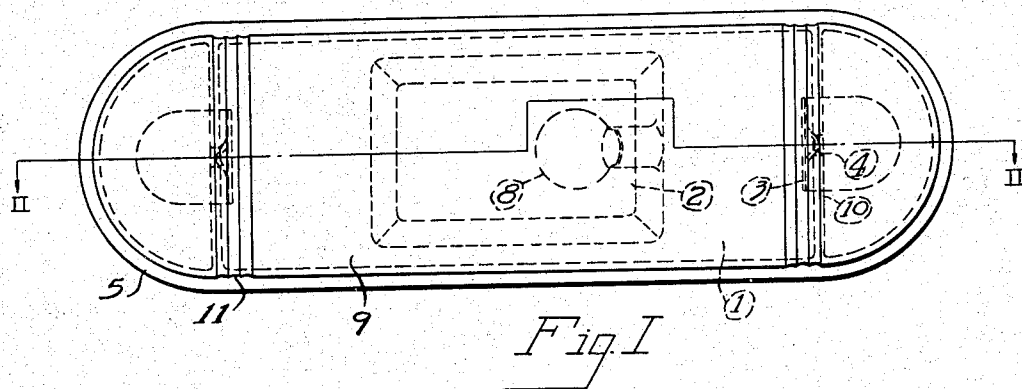
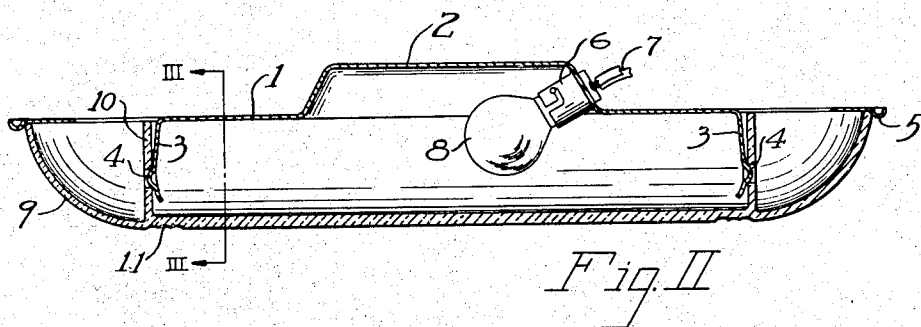
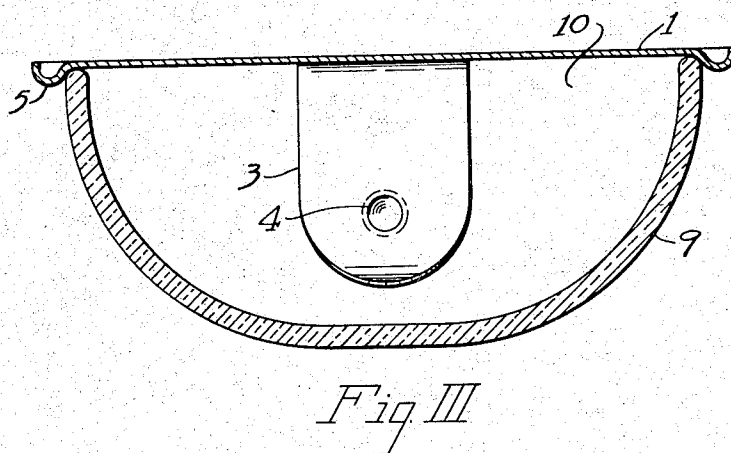
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W. N. SHEPARD ET AL

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LIGHTING FIXTURE

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Whiting N. Shepard
Arthur M. Howald
INVENTORS

BY *C. Marshall*
ATTORNEY

UNITED STATES PATENT OFFICE

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LIGHTING FIXTURE

Whiting N. Shepard and Arthur M. Howald,
Toledo, Ohio, assignors to Plaskon Company,
Incorporated, Toledo, Ohio, a corporation of
Delaware

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6 Claims. (Cl. 240—7.35)

This invention relates to lighting fixtures and particularly to so-called "dome" lights used in automobiles.

One of its objects is the provision of an improved lighting fixture having a readily removable, molded plastic, light transmitting lamp cover, with means for preventing rattling and accidental displacement thereof.

Another object is the provision of a lighting fixture having the above-mentioned characteristics which is of pleasing appearance and is economical to manufacture.

Other objects and advantages will be apparent from the following description, in which reference is had to the accompanying drawing illustrating a preferred embodiment of our invention and wherein similar reference numerals designate similar parts throughout the several views.

In the drawing:

Figure I is a bottom plan view of the lighting fixture of our invention;

Figure II is a sectional elevational view taken substantially on the line II—II of Figure I; and

Figure III is an enlarged cross-sectional view taken substantially on the line III—III of Figure II.

Referring to the drawing in detail, the frame of the lighting fixture consists of a sheet metal plate 1 having an upwardly embossed, tray-shaped portion 2 and a pair of downwardly bent leaves 3 each of which is provided with a stamped protuberance 4. The lower ends of the leaves 3 are slightly curved inwardly toward each other and the material of the frame 1 is sufficiently resilient so that the leaves 3 if bent toward each other will spring back, when released, to their former positions.

The edge of the frame 1 is surrounded by an ornamental bead 5 which may be plated with chromium or nickel, or lacquered or otherwise finished.

Fixed to one of the sloping ends of the tray-shaped portion 2 of the frame 1 is a lamp socket 6, of common form, which is connected to a source of current by means of wires 7 and which supports an incandescent lamp 8, also of common form.

The translucent lamp cover 9 which forms an element of the lighting fixture of our invention is boat shaped, with a transverse partition 10 adjacent each end, each transverse partition having an opening to receive one of the protuberances 4 of a spring leaf 3 when the lamp cover is in place on the frame 1 (see Figure II). When it is desired to remove the lamp cover for access to the lamp 8 or for cleaning or other purpose, a

screw driver or other bladed tool is inserted between the bead 5 and the edge of the lamp cover 9 and the lamp cover 9 pried away from the frame 1, the spring leaves 3 yielding sufficiently to permit the protuberances 4 to slip out of the openings in the partitions 10. To replace the lamp cover, it is so held that the inwardly bent ends of the spring leaves 3 engage inside the partitions 10, and pushed upwardly. As the partitions 10 move upwardly the spring leaves 3 bend toward each other and the partitions 10 slide upwardly along the protuberances 4 until the protuberances snap into the openings in the partitions, whereupon the lamp cover is held in place until it is purposefully removed.

The lamp cover 9 may be made of any translucent material but preferably is molded of light colored synthetic thermosetting plastic material, such as ureaformaldehyde molding composition. The exterior of the lamp cover may be ornamented as indicated by the numeral 11 on the drawing, or otherwise, and its shape may be varied to suit the fancy of the designer.

The invention herein shown and described is to be regarded as illustrative only, and it is to be understood that the invention is susceptible to variation, modification and change within the spirit and scope of the subjoined claims.

Having described our invention, we claim:

1. In a lighting fixture, in combination, an integral sheet metal frame having a resilient leaf projecting therefrom, means on said frame for supporting a lamp, and a translucent lamp cover having a partition adapted to be engaged by said resilient leaf, there being a cooperating protuberance and recess on said partition and leaf and means cooperating with said partition and resilient leaf to removably secure said lamp cover to said sheet metal frame, said partition and leaf and said cooperating means being concealed within said lamp cover when said lamp cover and said sheet metal frame are secured together thereby.

2. In a lamp cover, in combination, an integral sheet metal frame having a pair of resilient leaves projecting therefrom, means on said frame for supporting a lamp, and a translucent lamp cover having partitions engageable by said resilient leaves, there being cooperating protuberances and recesses on said partitions and leaves, said partitions and leaves being adapted, when said protuberances are received in said recesses, to secure said translucent lamp cover and said sheet metal frame together with said partitions

and leaves concealed within said translucent lamp cover.

3. In a lamp cover, in combination, a frame having resilient leaves depending therefrom, means on said frame for supporting a lamp, and a translucent boat-shaped lamp cover having partitions adapted to engage said resilient leaves, said partitions and leaves being provided with interlocking elements.

4. In a lighting fixture, in combination, an integral sheet metal frame having a pair of depending resilient leaves, means on said frame for supporting a lamp, and a translucent lamp cover having partitions adapted to be yieldably engaged by said resilient leaves, said leaves and partitions being provided with interlocking means, the edge of said lamp cover engaging said frame.

5. In a lighting fixture, in combination, a frame consisting of a plate having an upwardly embossed, tray-shaped portion and a pair of de-

pending resilient leaves provided with protuberances, a lamp socket fixed within said tray-shaped portion, and a translucent boat-shaped lamp cover having a pair of partitions adapted to be resiliently engaged by said leaves, there being openings in said partitions to receive said protuberances.

6. In a lighting fixture, in combination, a frame consisting of a plate having an upwardly embossed, tray-shaped portion and a pair of depending resilient leaves provided with protuberances, a lamp socket fixed within said tray-shaped portion, and a translucent boat-shaped lamp cover having a pair of partitions adapted to be resiliently engaged by said leaves, there being openings in said partitions to receive said protuberances, said boat-shaped lamp cover being molded of heat-hardened synthetic plastic material.

WHITING N. SHEPARD.
ARTHUR M. HOWALD.