

July 1, 1924.

1,499,688

G. D. PALMER ET AL

LUMINOUS REFLECTION SIGN

Filed Oct. 30, 1923

FIG. 1.

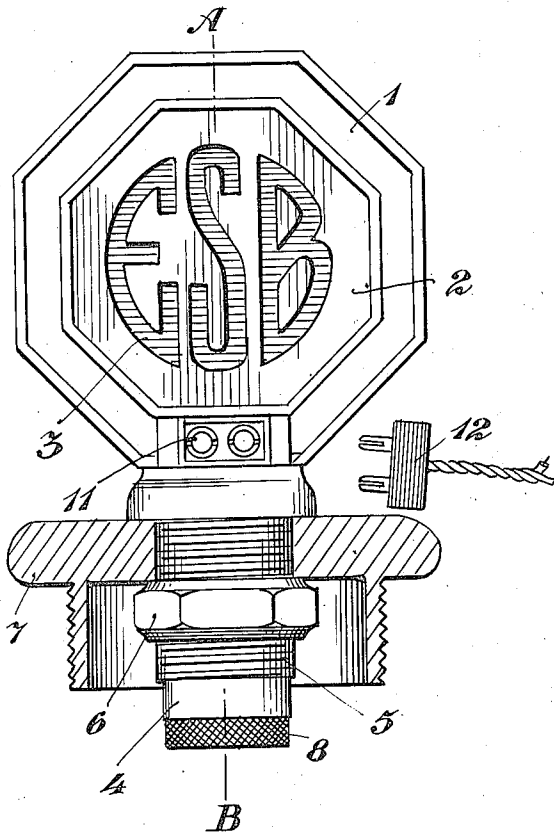
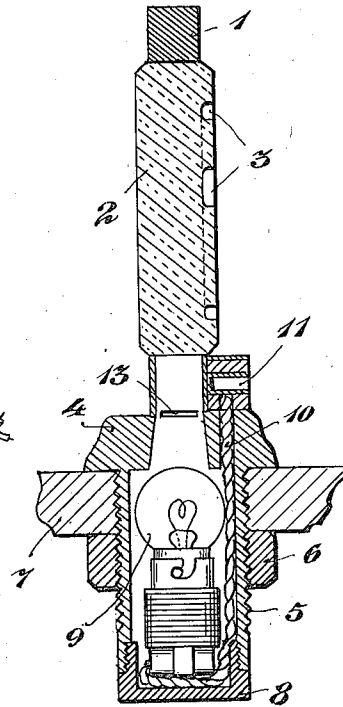


FIG. 2.



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UNITED STATES PATENT OFFICE.

GUILLERMO DOUGLAS PALMER AND JOSÉ FERNÁNDEZ CASTILLO, OF BUENOS AIRES, ARGENTINA.

LUMINOUS REFLECTION SIGN.

Application filed October 30, 1923. Serial No. 671,703.

To all whom it may concern:

Be it known that we, GUILLERMO DOUGLAS PALMER, a citizen of Argentina, and JOSÉ FERNÁNDEZ CASTILLO, a subject of the King of Spain, both residing at Buenos Aires, Argentina, have invented a Luminous Reflection Sign, of which the following is a specification.

The present invention refers to a new luminous apparatus, particularly suitable for use with radiator caps on motor cars.

It may be used advantageously, not only as an adornment of the vehicles which will carry it, but also as a means of identification or for advertising purposes, as will be seen from the following description.

In the accompanying drawings Figure 1 is a front view of the apparatus, and Figure 2 a longitudinal section of the same, on the line A—B of Figure 1.

Within a metal frame 1 which may be octagonal or of any other convenient shape, a thick glass plate 2 is fixed, into which are carved the letters or signs 3 which are to be illuminated; another mode of construction being to raise said letters or signs.

The frame holding the glass plate comprises a flanged base member 4 which has a tubular, exteriorly threaded part 5 upon which the nut 6 is screwed.

By means of this screw 5 the whole construction can be firmly secured by passing the threaded part through a perforation in the radiator cap 7. The radiator cap can also be substituted by a staple which, by means of an arm and screws, the device can be attached to any other part of the motor car.

The member 4 is hollow. To the interior of the part 5 is screwed a plug 8, so as to be opened easily, and this plug retains in the interior of the member an electric lamp 9 of convenient power, the wires 10 of which are connected with the socket 11 for the reception of a contact plug 12.

Between the frame and the member, a slot 13 has been left which permits the insertion of a colored glass or film so as to give to the letters or signs the color illumination

especially desired. The same effect can be obtained by the use of colored lamps or by coloring directly the letters and signs.

The glass plate into which the letters or signs are carved, can be colored or colorless.

At all events, the illumination of the signs or letters by means of the reflection of the beams issuing from the luminous centre which is invisible, being contained in the interior of the member 4, is highly attractive and, up to now, it has not been used at all with motor cars.

It is self-evident that the dimensions of the apparatus and the place where it will be located, can vary in accordance with the taste of its owner, but the most convenient seem to be the radiator cap, the wind shield and similar places; as to the radiator cap it will be sufficient to perforate it and secure the apparatus by means of the member and the nut 6.

We claim—

1. A luminous reflection sign comprising a glass, a frame supporting the latter at its edges, a base for the frame having a light passage extending therethrough to the edge of the glass, a tubular extension below the base forming a pocket for an electric lamp, and means on the extension co-operating with the base for clamping the latter to a support.

2. A luminous reflection sign comprising a hollow base member, having a slide receiving slot therein, a frame mounted on the base member, a transparent sign panel mounted in the frame, an exteriorly threaded tubular member extending below the base member, and communicating with the frame through the base-member, an electric lamp mounted in the tubular extension, a nut on the latter cooperating with the base member to constitute a clamping means, a lamp support in threaded connection with the bottom of the tubular extension, and means for connecting the lamp with an electric current supply.

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JOSÉ FERNÁNDEZ CASTILLO.