

M. G. SCHLOTBORN.
BULB PROTECTOR.
APPLICATION FILED NOV. 10, 1910.

990,784.

Patented Apr. 25, 1911.

Fig. 1.

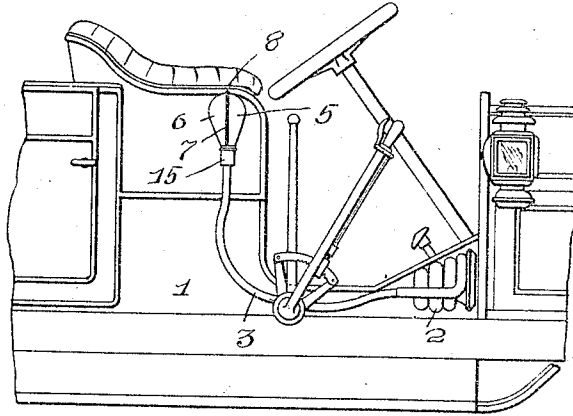


Fig. 2.

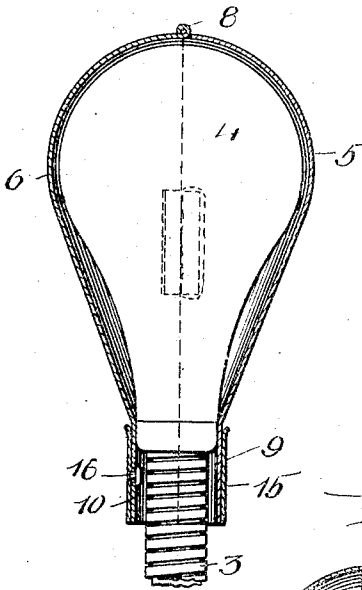


Fig. 3.

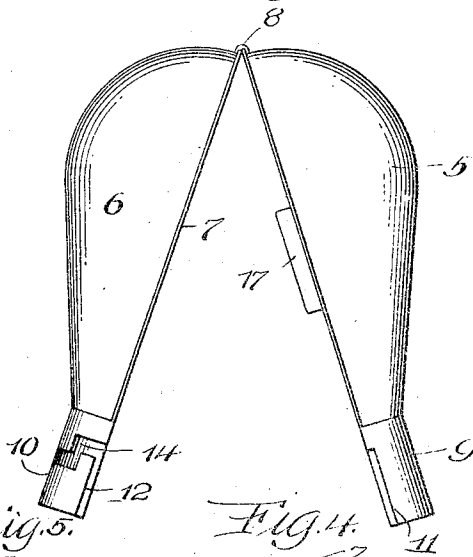
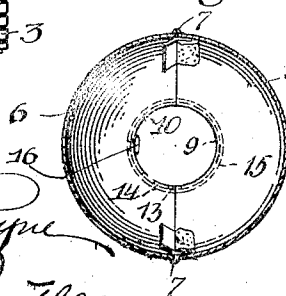
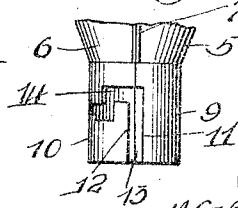


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

MAX G. SCHLOTBORN, OF PITTSBURG, PENNSYLVANIA.

BULB-PROTECTOR.

990,784.

Specification of Letters Patent. Patented Apr. 25, 1911.

Application filed November 10, 1910. Serial No. 591,662.

To all whom it may concern:

Be it known that I, MAX G. SCHLOTBORN, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Bulb-Protectors, of which the following is a specification, reference being had therein to the accompanying drawing:

10 This invention relates to a bulb protector especially designed for protecting and shielding the bulbs of automobile horns.

The primary object of the invention is to provide a metallic hood or shield that can be easily and quickly mounted over the flexible bulb of an automobile horn to prevent the same from being injured or tampered with by juveniles.

A further object of the invention is to provide a protector or shield of the above type, that is simple in construction, durable, inexpensive to manufacture, and efficient for the purposes for which it is intended.

I attain the above objects by a mechanical construction that will be hereinafter specifically described and then claimed, and reference will now be had to the drawing wherein there is illustrated a preferred embodiment of the invention, but it is to be understood that the structural elements thereof are susceptible to such changes as fall within the scope of the appended claims.

In the drawing: Figure 1 is a side elevation of a portion of an automobile showing the protector or shield in position. Fig. 2 is an enlarged vertical sectional view of the protector or shield applied to a bulb. Fig. 3 is an elevation of a detached protector or shield in an open position. Fig. 4 is a similar view of a portion of the protector or shield in a closed position, and Fig. 5 is a horizontal sectional view of the same.

In the drawing the reference numeral 1 denotes the body of an automobile provided with a horn 2 having a flexible tubing 3 in communication with a flexible compressible bulb 4.

The protector or shield used for inclosing the bulb 4 comprises a sectional hood, the sections 5 and 6 each corresponding in shape to approximately one-half the bulb 4, the sections when connected having a balloon shape and when separated each section having the upper end thereof corresponding to the quarter of a hollow sphere and the opposite end gradually tapering to a neck.

The confronting edges of the sections 5 and 6 are flanged, as at 7, and the upper edges of said sections are hinged or pivotally connected together, as at 8. The lower ends of the sections terminate in semi-cylindrical members 9 and 10, which when brought together form a sleeve at the lower end of the hood. The member 9 has one edge thereof cut-away, as at 11, and the member 10 one edge thereof cut-away, as at 12, these two cut-away edges providing a vertical slot 13 when the members 9 and 10 are brought together. The upper end of the slot 13 is adapted to communicate with a bayonet slot 14 formed in the member 10.

To retain the members 9 and 10 together in the form of a sleeve, a collar 15 is employed, and this collar is provided with an inwardly projecting button or headed pin 16 adapted to ride upwardly in the slot 13 and engage in the bayonet-shaped slot 14 whereby the collar 15 will be locked in engagement with the members 9 and 10 and said members embracing the upper end of the tube 3 and the lower end of the bulb 4.

The section 5 has the edges thereof provided with guide flanges 17 soldered or otherwise connected, as at 18, to the sections 5, said guide flanges guiding the edges of the section 6 into engagement with the section 5, as best shown in Fig. 5 of the drawings.

The collar 15 is placed over the upper end of the tube 3 prior to securing a bulb to said tube, consequently the collar cannot become accidentally displaced and it is always in easy reach of the operator of the automobile when it is desired to lock the hood upon the bulb.

The protector or shield is made of light and durable metal and can be finished to harmonize with the metallic fittings of the automobile.

What I claim, is:

1. A protector of the type described comprising sections having the upper ends thereof pivotally connected together, semi-cylindrical members carried by the lower ends of said sections, a collar mounted upon said members to retain said sections together, and said collar and members provided with means for detachably securing the collar upon the members.

2. A bulb protector comprising a sectional hood with the sections thereof hinged together and each section corresponding in shape to approximately one-half of the bulb,

semi-cylindrical members carried by the lower ends of said sections, a collar adapted to slide over said members to retain said sections together, and a bayonet slot connection between said members and said collar.

5 3. A bulb protector comprising a sectional hood with the sections thereof hinged together and each section corresponding in shape to approximately one-half of the bulb, 10 semi-cylindrical members carried by the lower ends of said sections, a collar adapted to slide over said members to retain said sections together, a bayonet slot connection between said members and said collar, and 15 guide flanges carried by one of said sections and adapted to guide the other of said sections into engagement therewith.

4. A bulb protector comprising two sec-

tions having the upper ends thereof hinged together, guide flanges carried by one of said sections and adapted to guide the other section into engagement therewith, semi-cylindrical members carried by the lower ends of said sections, one of said members having a bayonet-shaped slot formed therein, a collar 25 adapted to slide over said members, and a button carried by said collar and adapted to ride into said bayonet-shaped slot to retain said collar upon said members.

In testimony whereof I affix my signature 30 in the presence of two witnesses.

MAX G. SCHLOTBORN.

Witnesses:

CHRISTINA T. HOOD,
EVA A. MILNE.