F. W. LAMOREAUX.

GLARE STOP.

APPLICATION FILED DEC. 8, 1919.

1,338,022. **Patented Apr. 27, 1920.**

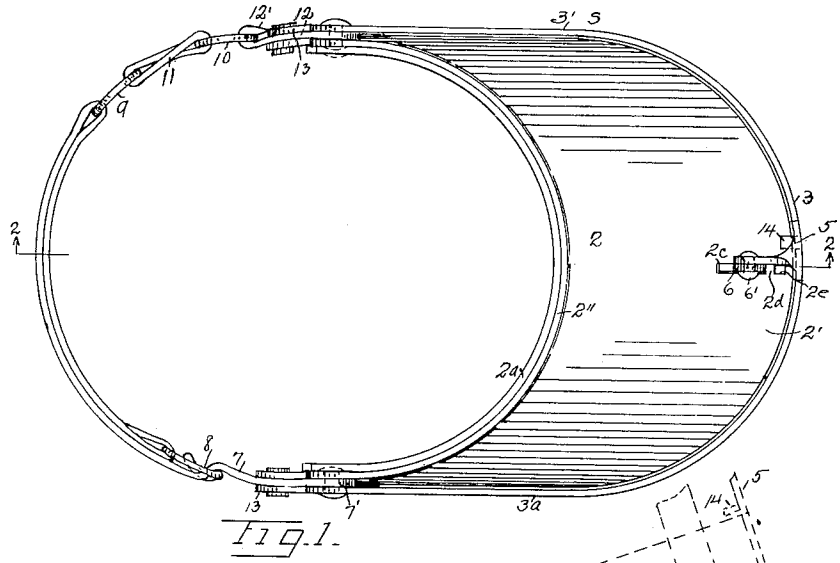


Fig. 1.

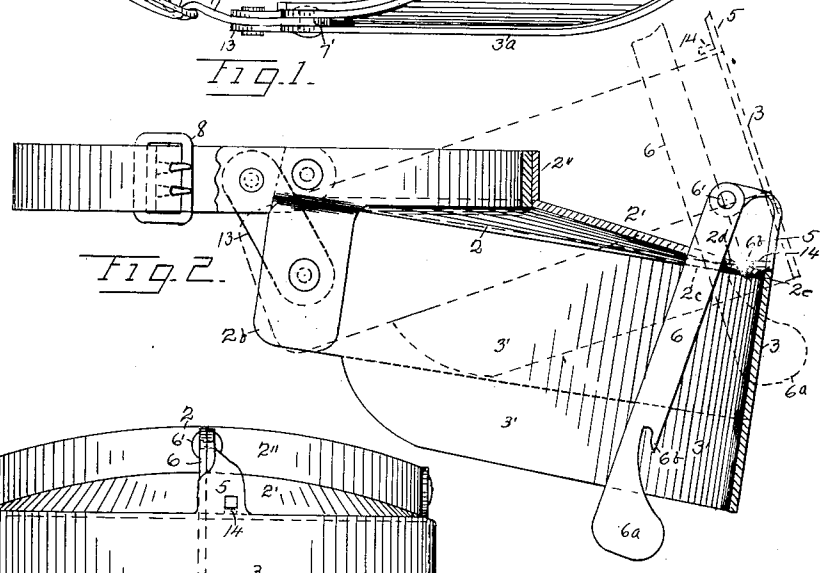


Fig. 2.

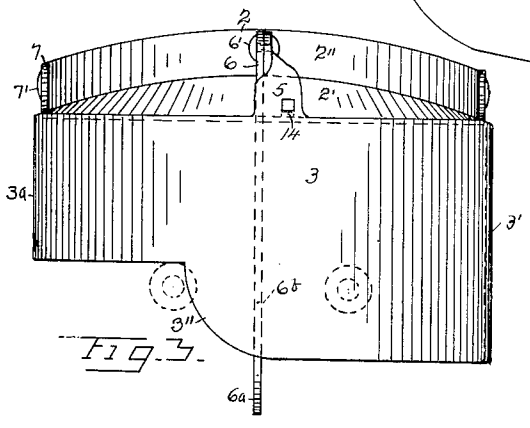


Fig. 3.

INVENTOR.

Frank W. Lamoreaux.

BY Harry DeWallace

ATTORNEY.

UNITED STATES PATENT OFFICE.

FRANK W. LAMOREAUX, OF SYRACUSE, NEW YORK.

GLARE-STOP.

1,338,022. Specification of Letters Patent. Patented Apr. 27, 1920.

Application filed December 8, 1919. Serial No. 343,270.

To all whom it may concern:

Be it known that I, FRANK W. LAMOREAUX, a citizen of the United States, residing at Syracuse, in the county of Onondaga and State of New York, have invented certain new and useful Improvements in Glare-Stops, of which the following is a specification.

This invention relates to improvements in glare-stops, and has for its object to provide novel, simple and effective means for preventing the head-lights of automobiles from blinding the drivers of vehicles approaching the automobiles. And a further object is to provide a device of the class, which may be adjustably secured to the head, or to the head-gear, of the drivers or passengers of automobiles and all other vehicles, and which is always ready for instant use, without requiring the wearers to shift their positions in the vehicles, in order to accomplish the desired result.

I attain these objects by the means set forth in the detailed description which follows, and as illustrated by the accompanying drawing, in which—

Figure 1 is a top-plan view of the complete device. Fig. 2 is a central vertical longitudinal section, taken on line 2—2 of Fig. 1; showing by full and dotted lines the operated and released positions of the shield. Fig. 3 is a front end elevation; showing the shield in the position for protecting the eyes of the wearer from the glare of an approaching head-light.

In the drawing, 2 represents the body of the device, consisting of a fore-piece or vizor 2′, which projects forwardly and protects the eyes of the wearer, the same as the corresponding part of a common cap. The rear edge of the vizor is bent upwardly and formed into a semi-circular flange 2″, which conforms to the forehead of the wearer, the said flange preferably being lined on its hollow surface with a strip of any suitable cushion material 2^a, which may be cemented or otherwise secured to the flange. The rear ends of the body 2 are provided with similar depending perforated lugs 2^b, to which is pivotally secured a horseshoe-shaped shield 3 by means of rivets, the bight of the shield corresponding to and loosely receiving the vizor 2′. The left-hand side 3′ of the shield is broader and deeper than the right-hand portion 3^a, and the former preferably extends a short distance to the right of the longitudinal center of the device, as best seen at 3″ in Fig. 3. The object of the extension 3′ is to completely cover and obscure the vision of the left eye of the wearer while another vehicle having dazzling head-lights is approaching, and the edge 3″ of the shield is intended to be positioned substantially in line with the axis of the right eye. By this disposition and arrangement of the parts, the wearer, when peering straight ahead, has a clear and unobstructed view of the right-hand side of the roadway, and as his eyes are positioned several inches back of the central portion of the shield 3, the glare from an approaching head-light cannot affect either of his eyes. This enables him to safely steer his own vehicle while the other vehicles are approaching and passing. As the opposite cars come closer and closer, the wearer of my device needs only to turn his head slightly toward the left, in order to constantly and accurately note and determine the other vehicle's position and thus avoid accidents.

5 represents an upwardly projecting and rearwardly bent lug carried by the front end of the shield, to which is pivoted the upper end of a vertically arranged trigger or latch-bar 6, by a pin or rivet 6′. The trigger 6 then extends downwardly through a slot 2^c in the vizor, its lower end 6^a being enlarged for a handle. Above the handle 6^a is formed a tooth 6^b, which engages a bridge 2^d, that separates the slot 2^c from a smaller alining slot 2^e. The trigger 6 is employed for lifting, as well as for holding the shield in the elevated or released position, shown by dotted lines in Fig. 2. By the provision and arrangement of the trigger 6 the wearer may readily and quickly drop or raise the shield at will. To raise the shield the wearer grasps the handle 6^a and pushes the trigger upwardly and hooks the tooth 6^b to the bridge 2^d. To lower the shield, he simply unhooks the trigger and lets the shield and trigger gravitate to the full line position shown in the drawing.

The device may be adjustably applied to the head of the wearer, or it may be permanently attached to an extra hat or cap, in a well known manner, and included in the accoutrements of the car. In order to apply the device directly to one's head, I provide a flexible strap or band 7, one end of which is fastened to one end of the flange

2″ as at 7′. The strap 7 then passes through a buckle 8, thence part-way around the back of the head, thence through a ring 9, after which it is folded upon itself and its opposite end is permanently attached to the buckle 8. The ring 9 is connected to another ring 10 by a short strap 11, preferably comprising elastic material to provide the requisite tension for holding the parts in place. The ring 11 engages a hook 12′ of a clip or part 12, which is pivotally secured to the opposite end of the flange 2″. The parts 7 and 12 may also be connected to the shield 3, by flexible braces 13, to aid in balancing the shield and body. In order to prevent the shield from dropping too low, I provide a stop consisting of a tongue 14, which may be struck out of the lug 5 and bent rearwardly for engaging the top side of the vizor, as shown in the several views.

Having thus described my invention, what I claim is—

1. In a glare stop, a body having a fore-piece overhanging the eyes of the wearer and having a semi-circular flange conforming to and engaging the forehead of the wearer, said body having perforated lugs depending for the rear ends of said flange, a horseshoe-shaped shield loosely receiving said fore-piece, the walls of said shield disposed in vertical planes, the lower edge of one side of said shield extending below the corresponding edge of the opposite side for covering and shielding one eye of the wearer, the said depending portion terminating at a point in line with the axis of the other eye of the wearer and the ends of the shield pivoted to the lugs of the body, means whereby the shield may be raised or lowered, and means for adjustably securing the device to the head of the wearer.

2. A glare-stop, comprising a vizor, one end of said vizor provided with a semi-circular flange and having depending perforated lugs adjacent the ends of said flange, a vertically movable shield conforming to and loosely receiving the tip and lateral edges of the vizor, the rear ends of said shield pivotally connected to said lugs, the walls of said shield disposed vertically, and the lower edge of one side of said shield extending below the corresponding portion of the other side and overlapping the longitudinal center of the vizor, and an adjustable strap for securing the device to a person's head.

3. A glare-stop, comprising a vizor, one end of said vizor provided with a semi-circular flange and having depending perforated lugs adjacent the ends of said flange, a gravitative shield conforming to and loosely receiving the tip and lateral edges of the vizor, the rear ends of said shield pivotally connected to said lugs, the walls of said shield disposed vertically, and the lower edge of one side of said shield extending below the corresponding portion of the other side and overlapping the longitudinal center of the vizor, a trigger for raising said shield, said trigger pivoted to the shield and reciprocable in a slot in the vizor, and having a tooth which engages the vizor for holding the shield in the released position, and means for adjustably attaching the vizor to a person's head.

In testimony whereof I affix my signature.

FRANK W. LAMOREAUX.