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A. F. LIEBERENZ

GLARE SCREEN AND CLAMP

Filed Jan. 26. 1922

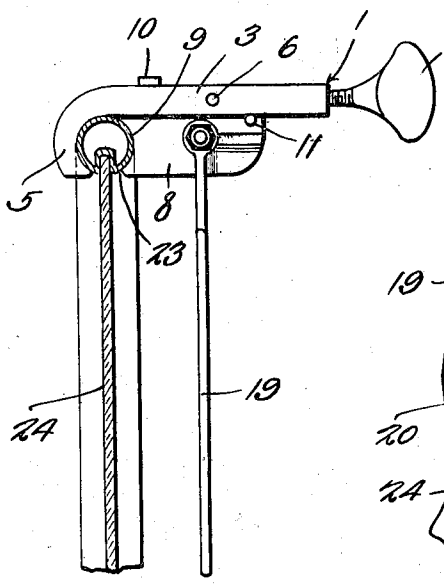



Fig. 1.

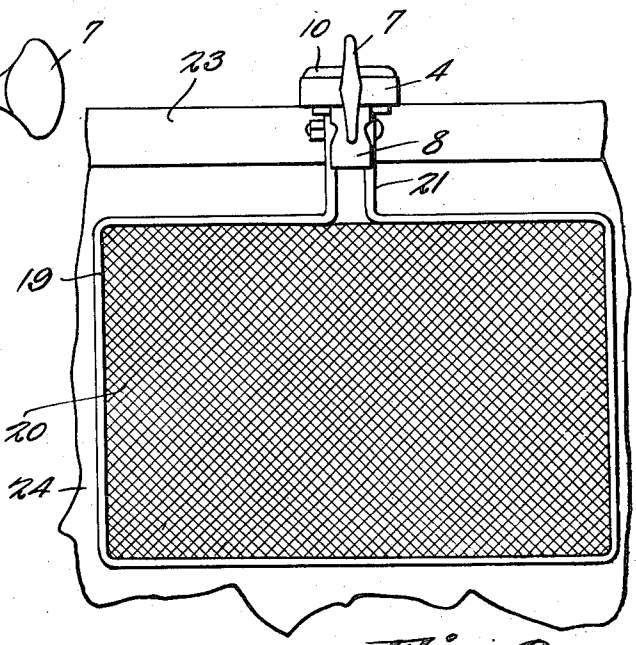



Fig. 2.

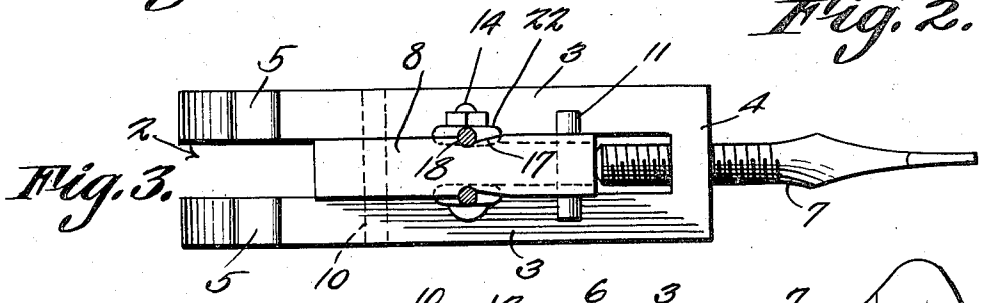



Fig. 3.

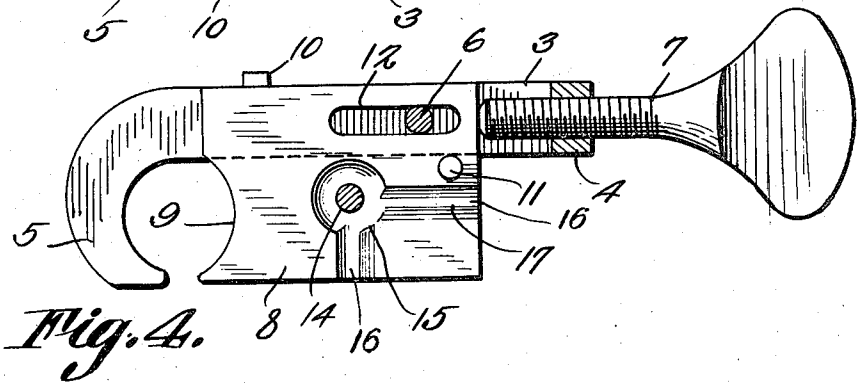



Fig. 4.

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# UNITED STATES PATENT OFFICE.

ALBERT F. LIEBERENZ, OF SOUTH MILFORD, INDIANA.

## GLARE SCREEN AND CLAMP.

Application filed January 26, 1922. Serial No. 531,945.

*To all whom it may concern:*

Be it known that I, ALBERT F. LIEBERENZ, a citizen of the United States, residing at South Milford, in the county of Lagrange and State of Indiana, have invented a new and useful Glare Screen and Clamp, of which the following is a specification.

It is one object of this invention to provide a simple means, adapted to be mounted on a vehicle, whereby the eyes of the driver of that vehicle will be protected from the glare cast by the lamps of other approaching vehicles.

Another object of the invention is to provide novel means whereby the device may be mounted in any desired position on the frame of a windshield of a vehicle.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the invention appertains.

With the above and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that, within the scope of what is claimed, changes in the precise embodiment of the invention shown can be made without departing from the spirit of the invention.

In the accompanying darwings:—

Figure 1 shows in side elevation, a device constructed in accordance with the invention, mounted on a portion of a wind shield frame, the wind shield frame appearing in section; Figure 2 is an elevation wherein the device is viewed at right angles to the showing of Figure 1; Figure 3 is a bottom plan wherein parts are broken away; and Figure 4 is a longitudinal section of the clamp, parts appearing in elevation.

The device includes a clamp comprising a body 1 which is U-shaped in plan, the body having a longitudinal slot 2 defining side arms 3 connected by an end piece 4, the arms terminating in hook-shaped fixed jaws 5. A support 6, preferably in the form of a pin, is mounted at its ends in the arms 3 of the body 1 and extends across the slot 2. An operating member is movably mounted in the end piece 4 of the body 1 and may be in the form of a screw 7.

A movable jaw 8 is located in the slot 2, between the side arms 3 and is provided in one end with a concaved recess 9 coacting with the jaws 5. Adjacent to the jaws 5, the movable jaw 8 is provided with a cross head 10. That end of the jaw 8 which is remote from the jaws 5 is provided with a cross pin 11. The jaw 8 has an elongated slot 12 through which the support 6 passes. The jaw 8 can move longitudinally and tilt on the support 6, the tilting movement of the jaw 8 in one direction being limited by the engagement between the cross head 10 and the outer edges of the arms 3 of the body 1, while the tilting movement of the jaw 8 in the opposite direction is limited by the engagement between the cross pin 11 and the inner edges of the arms 3 of the body 1. The cross head 10 and the cross pin 11 constitute lateral projections on the movable jaw 8, adapted to cooperate with the opposite edges of the side arms 3, to limit the tilting movement in opposite directions of the jaw 8. The jaw 8 may be advanced, obviously, by the screw or operating member 7.

The movable jaw 8 carries a pivot element 14 which may be in the form of a bolt, recesses 15 being formed in opposite sides of the jaw 8 about the pivot element 14. Grooves or seats 16 are fashioned in opposite sides of the jaw 8 and communicate with the recesses 15. Each groove or seat 16 has a slanting wall 17, and an abrupt wall 18 forming a shoulder.

The numeral 19 denotes a frame, carrying a foraminous filler 20 which may be made of netting preferably wire netting. One longitudinal rail of the frame 19 is formed into approximately parallel spring arms 21, terminating in eyes or bearings 22 engaged around the pivot element 14, the jaw 8 extending between the arms 21.

The numeral 23 marks the wind shield frame of a vehicle, the frame 23 carrying a pane 24. The clamp may be mounted on any desired portion on the frame 23, the jaw 8 being advanced by the operating member 7, until the frame 23 is clamped between the fixed jaws 5 and the movable jaw 8, the frame being received in the concavity 9 of the jaw 8. Since the jaw 8 can tilt, as aforesaid, on the support 6, the jaw will adapt itself readily to windshield frames or other supports of different configurations, prior to, or during advancement of the jaw 8 by the screw. The spring arms 22 may be disposed in either of the seats 16, in engagement with the corre-

sponding shoulders 18, the slanting walls 17 of the grooves or seats 16 facilitating the disengagement of the arms 21 from the grooves or seats 16, when the frame 19 is swung forcibly on the pivot element 14. When the clamp 1 is mounted on the top rail of the wind shield frame 23, as shown in Figure 1, the frame 19 and the filler 20 are disposed approximately at right angles to the body 1 of the clamp. When the clamp is mounted on the side rail of the frame 23, the member 19 and the filler 20 are disposed approximately parallel to the body 1 of the clamp, the spring arms 21 of the frame 19 moving from one set of seats 16 to the other.

Owing to the fact that the filler 20 is in the form of a netting, the rays proceeding from the lamps of approaching vehicles are broken up and dispersed, and will not blind or confuse a person looking through the foraminous or netting filler 20.

The frame 19 and the filler 20 constitute a guard, having the functions hereinbefore alluded to.

Having thus described the invention, what is claimed is:

1. In a device of the class described, a clamp comprising a body U-shaped in plan having a longitudinal slot defining side arms terminating in hook-shaped fixed jaws, a screw operating through the cross bar of said U-body, a pin extending transversely through said arms bridging the space between them, a movable jaw mounted for sliding movement on said pin between said arms and having a cross head at its front end riding on the upper edges of said arms and a cross pin engaging the lower edges of said arms, said cross head and pin operating to limit the tilting movement of said jaw in opposite directions, and an eye guard on said movable jaw.

2. In a device of the class described, a clamp comprising a fixed jaw, a movable jaw cooperating with said fixed jaw, means for operating the movable jaw with respect to the fixed jaw, a swingably mounted eye guard carried by one of said jaws, said jaw having vertical and horizontally disposed seats, and said guard including spring arms to enter said seats and hold the guard in operative or inoperative position.

3. In a device of the class described, a clamp comprising a body having a fixed jaw; a movable jaw slidable on the body and cooperating with the fixed jaw; means for advancing the movable jaw with respect to the fixed jaw; and an eye guard mounted directly on the movable jaw and adjustable with the jaw, said movable jaw having seats extending at right angles to each other to hold the eye guard in operative or inoperative position.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ALBERT F. LIEBERENZ.

Witnesses:
ROY WILLITS,
CECIL U. EMERICK.