Sept. 19, 1933. F. R. SOUKUP 1,927,137

ADJUSTABLE GLARE SHIELD

Filed June 13, 1932

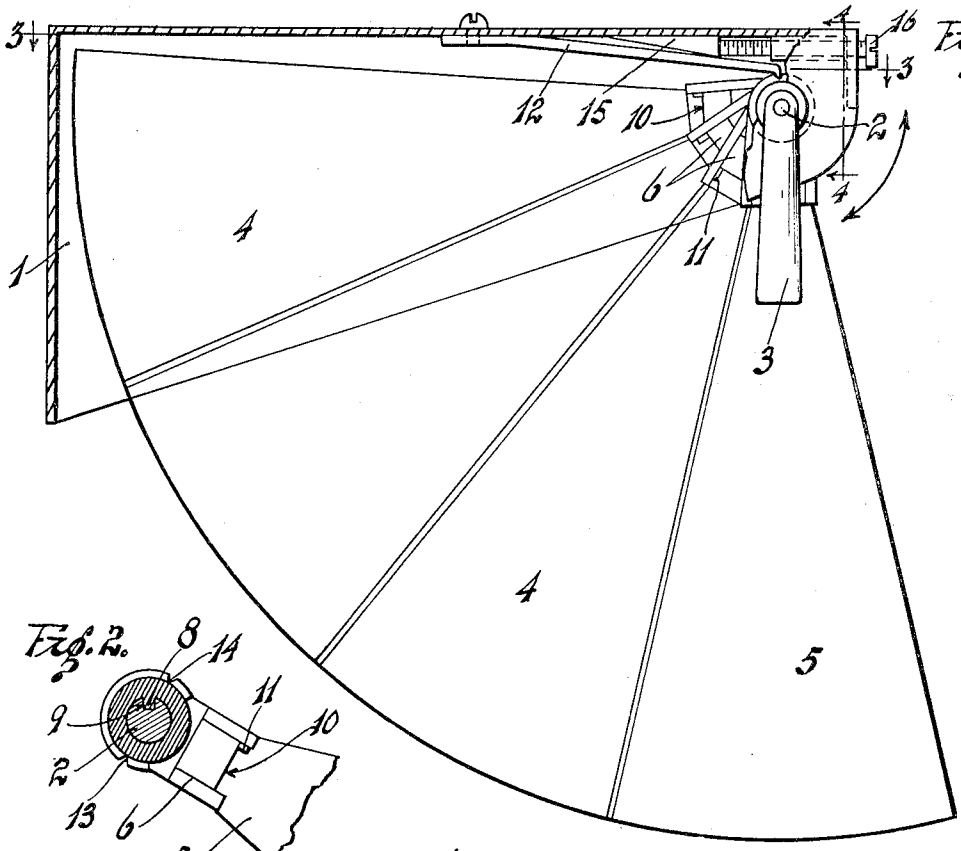


Fig. 1.

Fig. 2.

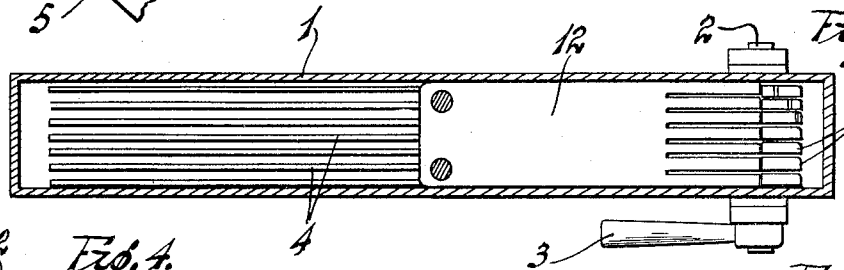


Fig. 3.

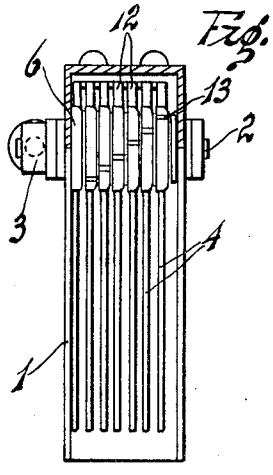


Fig. 4.

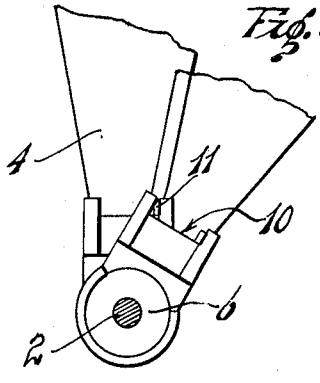


Fig. 5.

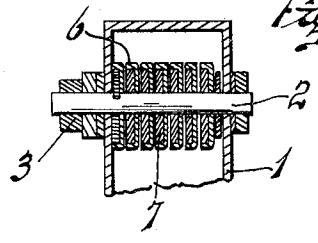


Fig. 6.

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ADJUSTABLE GLARE SHIELD

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6 Claims. (Cl. 296—97)

This invention relates to an adjustable glare shield for motor vehicles which is adapted to be mounted on the wind shield in a suitable manner.

An object of my invention is to provide a novel adjustable glare shield, the adjustable vanes of which are held in either extended or closed position, as desired by the operator.

Another object is to provide a glare shield of the character stated in which the adjustable vanes can be extended 180 degrees and are firmly held in this extended position.

Still another object is to provide a novel glare shield which is simple in construction, inexpensive to manufacture, and effective in use.

Other objects, advantages and features of invention may appear from the accompanying drawing, the subjoined detailed description and the appended claims.

In the drawing

Figure 1 is a transverse, sectional view of my glare shield with the vanes partly extended.

Figure 2 is a fragmentary, sectional view of one of the vanes, showing its fastening to the shaft.

Figure 3 is a sectional view taken on line 3—3 of Figure 1.

Figure 4 is a sectional view taken on the line 4—4 of Figure 1.

Figure 5 is a fragmentary, side view of a pair of vanes showing the connecting means between them.

Figure 6 is a fragmentary, transverse, sectional view through the case and shaft.

Referring more particularly to the drawing, the numeral 1 indicates a case closed at the sides, ends and top, but open at the bottom so that the vanes can be extended or housed through the bottom. A shaft 2 is journaled at one end of the housing 1, and a handle 3 is secured to one end of the shaft so that it may be rotated, for the purpose of extending or housing the vanes. A plurality of segmental vanes 4 are journaled on the shaft 2 with the exception of the outer most vane 5 which is secured to the shaft. The vanes 4 and 5 are each secured to a metal ferrule 6 which encircles the shaft 2 and are spaced apart by washers 7. The ferrule of the vane 5 is provided with a tongue 8 that fits into a groove 9 in the shaft 2, thus it will be evident that the outer most vane rotates with the shaft. The other vanes are withdrawn from the housing one at a time by the following means, each ferrule is provided with an elongated notch 10.

A lug 11 projects from each ferrule into the notch 10 of the adjacent ferrule, thus coupling the vanes together with a lost motion connection, and by this means the vanes are withdrawn one at a time from the housing, and when entirely withdrawn, a semi-circle is formed with each vane slightly over-lapping the adjacent vane. The vanes are formed from a transparent material in order that the driver may look through them to eliminate the glare of the road or approaching head-lights.

To hold the vanes in either extended or closed position, I provide a multi-fingered spring 12 which is secured to the inside of the housing 1. The ferrules 6 are each provided with notches 13 and 14 so arranged that the spring 12 will hold the vanes in either extended or closed position. In order that the tension of the spring against the ferrules may be varied, I provide a wedge 15 which presses against the top of the spring 12. A screw 16 extends through the end of the case or housing 1 and is revolvably connected to the wedge 15, thus the wedge may be adjusted inwardly or outwardly to vary the tension on the spring.

Having described my invention, I claim:

1. An adjustable glare shield comprising a case, a shaft journaled adjacent one end of the case, a plurality of transparent vanes, means securing one of the vanes to said shaft, means journaling the remainder of the vanes on the shaft, interengaging means on said vanes whereby said vanes are withdrawn from the case one at a time, and a spring engaging each one of said vanes whereby they are held against accidental movement, in both open and closed positions.

2. An adjustable glare shield comprising a case, a shaft journaled in the case adjacent one end thereof, a handle secured to the shaft, a plurality of vanes, a ferrule attached to each of the vanes, means securing one of the ferrules on the shaft, the remainder of said ferrules being journaled on the shaft, inter-engaging means on the ferrules, said inter-engaging means coupling the ferrules with a lost motion connection whereby the vanes are opened and closed one at a time, and a spring engaging each one of said ferrules whereby the vanes are held in open and closed position.

3. An adjustable glare shield comprising a case, a shaft journaled in the case adjacent one end thereof, a handle secured to the shaft, a plurality of vanes, a ferrule attached to each of the vanes, means securing one of the ferrules on the shaft, the remainder of said ferrules being journaled on the shaft, each of said ferrules having an elongated notch formed therein, a projecting lug on each ferrule, said lug projecting into the notch

in the adjacent ferrule whereby the vanes are withdrawn as the shaft is rotated.

4. An adjustable glare shield comprising a case, a shaft journaled in the case adjacent one end thereof, a handle secured to the shaft, a plurality of vanes, a ferrule attached to each of the vanes, means securing one of the ferrules on the shaft, the remainder of said ferrules being journaled on the shaft, each of said ferrules having an elongated notch formed therein, a projecting lug on each ferrule, said lug projecting into the notch in the adjacent ferrule whereby the vanes are withdrawn as the shaft is rotated, and a multi-fingered spring engaging said ferrules whereby the vanes are held against accidental movement.

5. An adjustable glare shield comprising a case, a shaft journaled adjacent one end of the case, a plurality of transparent vanes, means securing one of the vanes to said shaft, means journaling the remainder of the vanes on the shaft, inter-engaging means on said vanes whereby said vanes are withdrawn from the case one at a time, and spring means engaging each of said vanes whereby they are held against accidental movement, and adjustable means engaging said spring means whereby the tension of said spring means against the vanes is adjusted.

6. An adjustable glare shield comprising a case, a shaft journaled in the case adjacent one end thereof, a handle secured to the shaft, a plurality of vanes, a ferrule attached to each of the vanes, means securing one of the ferrules on the shaft, each of said ferrules having an elongated notch formed therein, a projecting lug on each ferrule, said lug projecting into the notch in the adjacent ferrule whereby the vanes are withdrawn as shaft is rotated, and a multi-fingered spring engaging said ferrules whereby the vanes are held against accidental movement, and adjustable means engaging said spring whereby the tension of the spring against the vanes is adjusted.

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