H. J. SEELY.

REFLECTING ATTACHMENT FOR HEADLIGHTS.

APPLICATION FILED AUG. 30, 1921.

1,424,525. Patented Aug. 1, 1922.

Fig. 1.

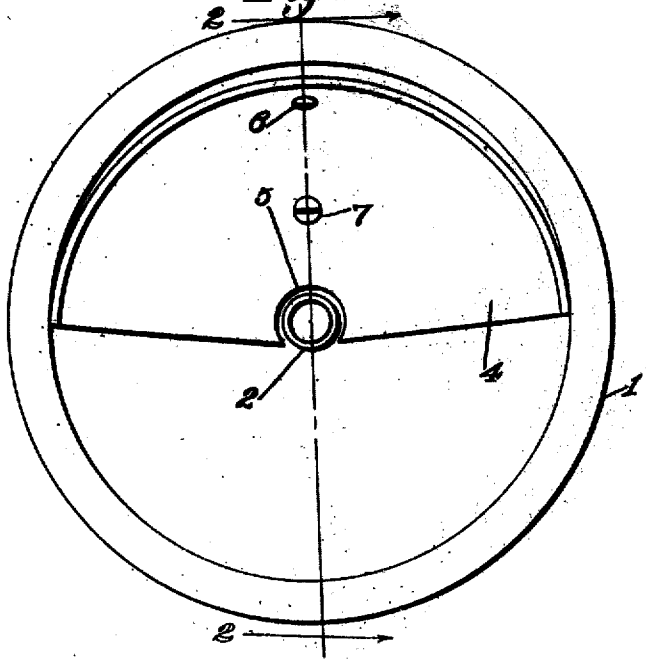
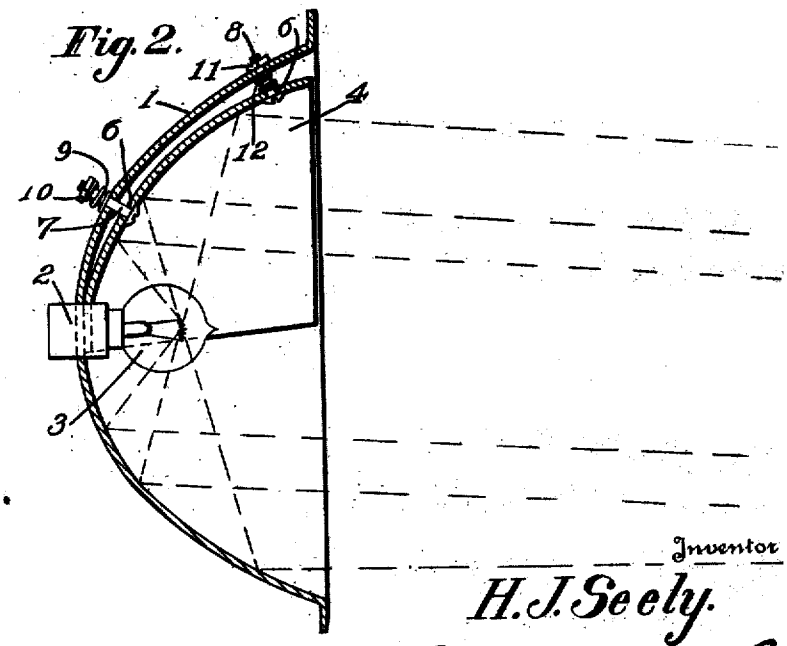


Fig. 2.



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REFLECTING ATTACHMENT FOR HEADLIGHTS.

1,424,525. Specification of Letters Patent. Patented Aug. 1, 1922.

Application filed August 30, 1921. Serial No. 496,813.

To all whom it may concern:

Be it known that I, HARRY J. SEELY, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Reflecting Attachment for Headlights, of which the following is a specification.

This invention relates to a reflecting attachment for headlights, one of the objects of the invention being to provide a structure adapted to be placed upon the upper portion of an ordinary parabolic reflector and which, when adjusted to proper position will operate to deflect downwardly the upper rays issuing from the reflector so that these rays will be thrown downwardly onto the ground instead of forwardly and upwardly.

Another object is to provide an attachment of this character which, when placed in position, will be kept free from vibration and will not produce objectionable noise.

A further object is to provide an attachment which operates to thoroughly illuminate or flood with light the path of the automobile instead of focusing the light rays at some particular point in advance of the machine.

With the foregoing 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 drawings the preferred form of the invention has been shown.

In said drawings—

Figure 1 is a front elevation of a reflector having the present improvements combined therewith.

Figure 2 is a section on line 2—2, Figure 1 and showing the lamp in position, the direction of the light rays being indicated by broken lines.

Referring to the figures by characters of reference 1 designates an ordinary headlight reflector provided at its center with a socket 2 in which is mounted a lamp 3. The attachment constituting the present invention is in the form of a segment of a parabolic reflector and has been indicated at 4. At the center of the lower edge of this segment is provided a recess 5 for the reception of the socket 2 and formed in vertical alignment with this recess are apertures 6 each of which is adapted to receive a small bolt 7 or 8 respectively. The bolt 7 extends through an opening in the headlight reflector 1 and the projecting portion of this bolt has a coiled spring 9 thereon the tension of which can be increased by means of a nut 10 adjacent the bolt. The bolt 8 is also fastened within the headlight reflector 1, being held adjustably by a nut 11. A spring 12 is coiled about that portion of the bolt between the headlight reflector 1 and the segment 4 and serves to press against the segment so as to force it against the head of the bolt 8 and thus hold the segment against vibration. The spring 9, however, serves to pull upon the segment 4 so as to bind the lower edge thereof against the headlight reflector 1. By means of the nuts 10 and 11 the segment can be adjusted within the headlight reflector so as to direct the light rays downwardly when desired. One position of the segment has been indicated in Figure 2 and when the segment is arranged as thus illustrated, the light rays will be passed downwardly and forwardly as indicated instead of upwardly where they might dazzle the eyes of the driver of an approaching vehicle.

What is claimed is:—

1. The combination with a headlight reflector having lamp supporting means, of a reflecting attachment insertable into the upper portion of the headlight reflector and straddling the lamp supporting means, said attachment covering the upper portion of the reflecting surface of the headlight reflector, yielding means upon the headlight reflector for drawing the lower portion of the member against said reflector, and yielding means interposed between said headlight reflector and the attachment for pressing the upper portion of said attachment away from the headlight reflector.

2. The combination with a headlight reflector having a socket for supporting a lamp, of a reflecting attachment insertable into the upper portion of the headlight reflector and straddling the socket, said attachment covering the upper portion of the reflecting surface of the headlight reflector, bolts adjustably connected to the upper portion of the headlight reflector, yielding

means on one of the bolts for drawing the lower portion of the attachment against the headlight reflector, and yielding means upon the other bolt for pressing the upper portion of the attachment away from the headlight reflector.

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

HARRY J. SEELY.

Witnesses:
GEORGE H. FROMME,
MYRTLE SMITH.