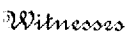


APPLICATION FILED AUG. 31, 1909.

2 SHEETS—SHEET 1.



Attorney

APPLICATION FILED AUG. 31, 1909.

Patented Mar. 15, 1910.

2 SHEETS--SHEET 2.



Inventor

A. B. Pitner

Watson E. Coleman
Attorney

UNITED STATES PATENT OFFICE.

HENRY B. PITNER, OF DUBOIS, PENNSYLVANIA.

WIND-SHIELD.

952,353.

Specification of Letters Patent. Patented Mar. 15, 1910

Application filed August 31, 1909. Serial No. 515,457.

To all whom it may concern:

Be it known that I, HENRY B. PITNER, a citizen of the United States, residing at Dubois, in the county of Clearfield and State of Pennsylvania, have invented certain new and useful Improvements in Wind-Shields, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in wind shields for automobiles.

The object of the invention is to provide a simple and practical means for mounting and fastening the foldable upper section or sash of the shield so that it may be easily raised or lowered by the use of one hand so that it will be held rigid and against vibration or rattling when in its raised position.

With the above and other objects in view, the invention consists of the novel construction, combination and arrangement of parts, hereinafter fully described and claimed, and illustrated in the accompanying drawings in which—

Figure 1 is a perspective view of my improved wind shield. Fig. 2 is a rear elevation of the same. Fig. 3 is an edge view, and Figs. 4 and 5 are detail sections taken respectively on the planes indicated by the lines 4—4 and 5—5 in Fig. 2.

Referring more particularly to the drawings 1 denotes a foldable upper section of an automobile wind shield, said section being preferably in the form of a sash having a surrounding frame 2 and a glass or other transparent material 3 therein. The section 1 may be mounted on any stationary support 4, the latter being, however, preferably in the form of a similar sash suitably secured to the dash board of the vehicle. The movable upper section 1 is mounted by means of two or more parallel links 5 arranged at its ends so that it can swing from a position above the support or section 4 to a position in rear of and parallel with the latter. Said links 5 have their upper ends mounted on pivots 6 in the form of screw studs projecting from a plate 7 attached to one end of the section 1, and the lower ends of said links are mounted on similar pivots 8 projecting from an attaching plate 9 secured to a spacing cleat or block 10 upon the front face of the support or section 4 adjacent one end of the latter. To permit the swinging or folding upper section 1 to move freely on to, and off, section 4, the upper

edge of the section 4 is downwardly and rearwardly beveled and the bottom edge of the upper section 1 is correspondingly beveled, as clearly illustrated in the drawings. 60

For the purpose of retaining the upper section 1 rigidly in its elevated position, hook plates 11 are secured to the rear face of said section adjacent its ends and adapted to engage keeper plates 12 secured to the beveled upper edge of the support or section 4. A pivoted dog or catch 13 is also provided on the center of the bottom portion of the upper section 1 to engage a keeper seat or recess 14 in the corresponding beveled upper edge of the support or section 4. Said catch 13 is in the form of a lever pivoted intermediate its ends at 15 in a finger piece or handle 16 secured to the section 1. The angular forward end of the catch 13 is depressed by a spring 17 and is adapted to engage the seat 14, which latter is protected by a metal wear plate 18 when the support or section 4 is made of wood. The rear end of the catch 13 projects to form a thumb piece which may be readily depressed when the handle 16 is gripped. 70

In operation, when the section 1 is in its elevated position and it is desired to lower the same to its dotted line position shown in Fig. 3, the handle 16 is grasped and the thumb piece of the catch 13 depressed to retract the angular forward end of said catch from the seat 14. When this has been done the handle 16 is pulled rearwardly and downwardly to swing the upper section 1 downwardly, said section maintaining a perpendicular position parallel with the lower section or support 4 owing to the parallel connecting links 5. This operation is reversed when it is desired to elevate the section 1. It will thus be seen that the device may be conveniently raised or lowered by the use of one hand, thus permitting the free use of the other hand on the steering gear or other portion of the automobile when the latter is in motion. The peculiar fastening devices hold the upper section firmly in its elevated position to effectively prevent rattling and vibration. Owing to the manner in which the upper section or sash folds, a comparatively high upper section may be used and the folding will not interfere with the steering wheel or other portions of the machine; furthermore, when folded the upper edge of the upper section continues to be the upper portion of the 100 105 110

shield and therefore does not detract from the appearance of the device.

Having thus described the invention what is claimed is:

- 5 1. The combination of a wind shield having upper and lower sections, the lower section having its upper edge beveled downwardly and rearwardly, and the bottom edge of the upper section being correspondingly
10 beveled, parallel link connections uniting the two sections at their ends whereby the upper section may swing downwardly and rearwardly against the rear face of the lower section, co-acting devices adjacent the
15 ends of the two sections to engage each other when said sections are superposed, a keeper at the center of the upper edge of the lower section, and a catch at the center of the bottom edge of the upper section to engage said
20 keeper and retain the sections in superposed position.
2. The combination of a wind shield having a lower section or support provided with

a beveled upper edge, keeper members upon said upper edge adjacent its ends and its center, a movable upper section having a beveled lower edge to rest upon the upper edge of the lower section, hooks upon the upper section adjacent its ends to engage the endmost keeper members, a handle upon the central portion of the upper section, a pivotally mounted spring pressed dog in said handle to engage the central keeper member, cleats upon the lower section, pivot stud carrying plates upon said cleats and upon the ends of the upper section, and parallel links connecting the pivot studs of said plates substantially as shown and described.

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

HENRY B. PITNER.

Witnesses:

J. M. BRYAN.

G. WOODRING.