I. C. BOWMAN.

WIND SHIELD PROTECTOR.

APPLICATION FILED MAR. 20, 1916.

1,204,122.

Patented Nov. 7, 1916.

2 SHEETS—SHEET 1.

Fig. 1.

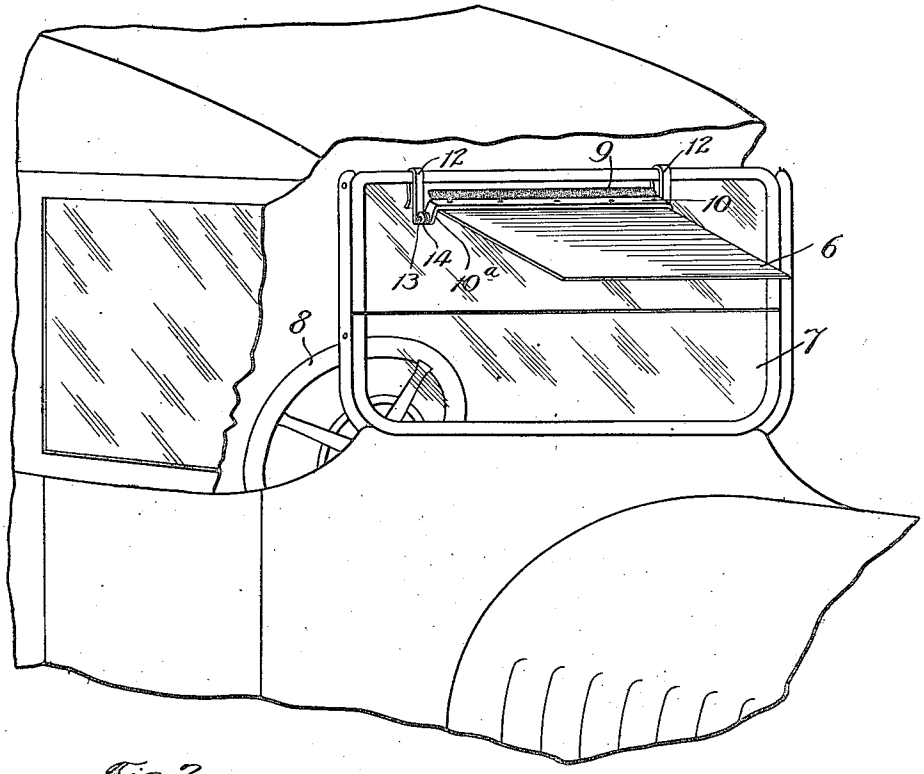


Fig. 2.

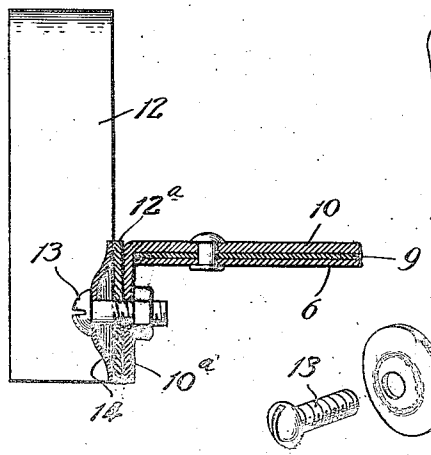
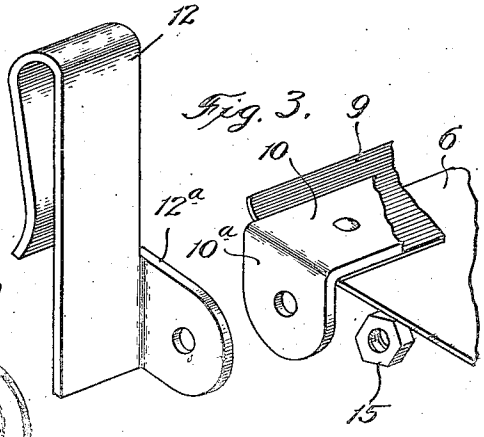


Fig. 3.



Witnesses:

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2 SHEETS—SHEET 2.

Fig. 4.

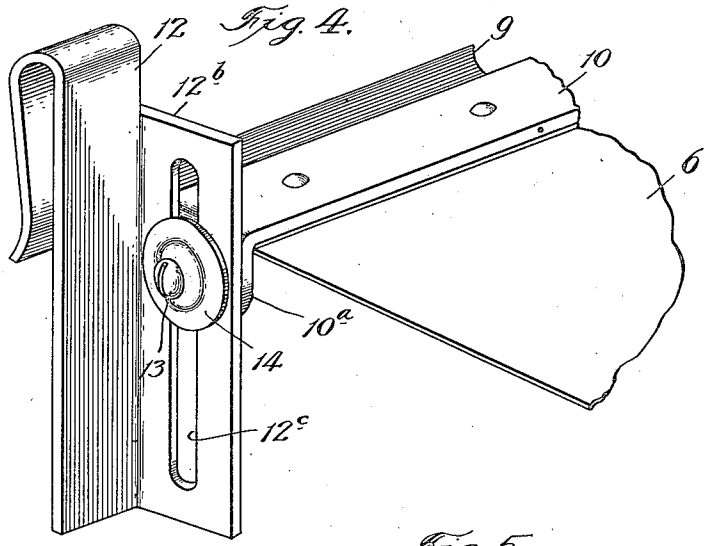
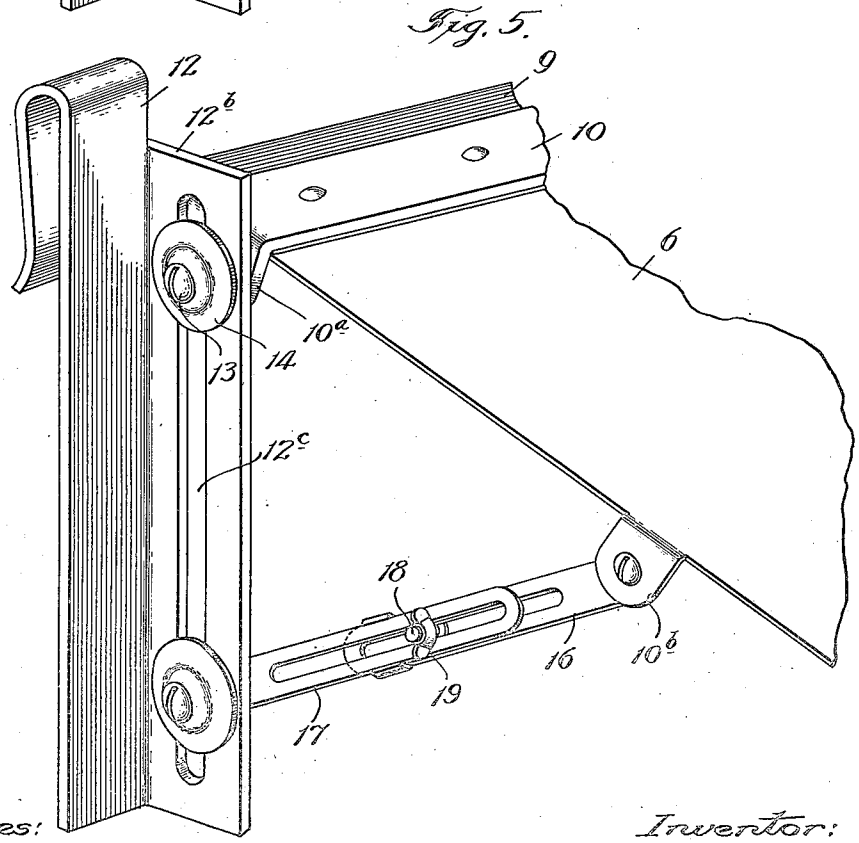


Fig. 5.



Witnesses:

Jayford.

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UNITED STATES PATENT OFFICE.

IRWIN C. BOWMAN, OF CHICAGO, ILLINOIS.

WIND-SHIELD PROTECTOR.

1,204,122. Specification of Letters Patent. Patented Nov. 7, 1916.

Application filed March 20, 1916. Serial No. 85,338.

To all whom it may concern:

Be it known that I, IRWIN C. BOWMAN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Wind-Shield Protectors, of which the following is a specification.

The object of my invention is to provide a protector for transparent wind-shields, such, for example and more particularly, as are used on automobiles, which shall be of simple construction, readily and stably applicable to its operative position and as readily removable for disuse, and which may be adjusted, when in that position, to extend at any desired angle to the wind-shield protected by it.

In the accompanying drawings, Figure 1 is a broken perspective view showing my improved protector in its simplest form operatively supported on the wind-shield of an automobile; Fig. 2 is an enlarged broken view in elevation, partly sectional, illustrating the means employed with the form of the device represented in Fig. 1, for adjustably supporting the protector on its hangers; Fig. 3 is a perspective view showing the parts, for so supporting the protector, in disassembled relation; Fig. 4 is a broken perspective view of the protector as shown in Fig. 1, but slightly modified, and Fig. 5 is a similar view of the same provided with a further modified form of the adjustable supporting means.

The body of the protector is a sheet 6 of any suitable material, which may be metal, tinned or painted, or transparent or translucent, such as glass or celluloid. The sheet is shown in its preferred rectangular form and should be considerably narrower than the wind-shield 7 with which it is used, so as to project over and cover only or mainly that portion of the shield immediately in front of the driver at the steering-wheel 8, thereby to prevent rain, snow or sleet from striking that portion and obscuring the vision through it. A weather-strip 9, of rubber or the like, is fastened on the outer surface of the sheet to project beyond its rear edge, by a metal strap 10 riveted at intervals to the sheet through the weather-strip and terminating at its ends in depending perforated ears 10^a. The protector is hung, at its rear corner-portions, on the upper edge of the wind-shield by hook-like hangers 12, provided with forwardly projecting perforated ears 12^a to register with the ears 10 and be fastened thereto by bolts 13 against interposed spring washers 14, and nuts 15.

The protector may be adjusted to project at any desired angle, upon the pivot-bolts, by turning it on the latter. The weather-strip bears, for its obvious purpose, against the outer face of the wind-shield.

The construction illustrated in Fig. 4 differs from that already described in having the hanger-ears elongated, as represented at 12^b, and their perforations in the form of longitudinal slots 12^c, to enable the protector to be adjusted on the hangers, upon loosening the bolts, by raising or lowering it bodily and tilting it to project at any desired inclination or angle, and re-tightening the bolts.

For larger wind-shields, requiring larger and heavier protectors, the construction illustrated in Fig. 5 may be employed. Herein, the hangers 12 and slotted ears 12^b are like those shown in Fig. 4, except that they are longer; and they are adjustably connected with the strap-ears 10^a in the manner already described. An additional adjustable fastening is provided, however, for the outer-end portion of the protector, where the sheet 6 has a perforated ear, like that shown at 10^b, depending from each of its opposite edges. Mutually overlapping longitudinally slotted bars 16 and 17 are lengthwise adjustable one upon the other to afford an extensible and contractible brace, the bar-members being releasably fastened together by a bolt 18 passing through their registering slots and carrying a wing-nut 19. The bar 16 is pivotally connected at its outer end with an ear 10^b, and the companion bar 17 is connected with the ear 12^b, near the lower end of its slot 12^c in the same manner that each ear 10^a is connected therewith, namely, by a nut-fastened bolt passing through the slot and through a spring-washer. As will be understood, it is intended to provide one of these extensible and contractible braces for each edge of the body 6.

To adjust the protector by the last-described means, upon loosening the upper and lower bolts in the ear slots and the

wing-nuts 19, the sheet may be raised or lowered bodily to extend at any desired elevation from the wind-shield, and may be turned to project at any desired angle from the latter; the several bolts to be tightened to secure the parts in their adjusted positions.

I realize that considerable variation is possible in the details of construction thus specifically shown and described, and I do not intend to be limited thereto; my intention being in the following claim to claim protection upon all the novelty there may be in my invention as broadly as the state of the art will permit.

What I claim as new and desire to secure by Letters Patent is:

A protector comprising a hook for readily detachably supporting the same from the upper edge of a wind shield, a body or hood connected thereto so as to be vertically adjustable for the height of the user and pivotally adjustable near its rear edge for weather conditions and a flexible strip closing the space between such rear edge and the wind shield and permitting such pivotal and sliding movement while maintaining the space closed.

IRWIN C. BOWMAN.