

E. F. DUPART.
WIND SHIELD.
APPLICATION FILED NOV. 28, 1910.

1,046,566.

Patented Dec. 10, 1912.

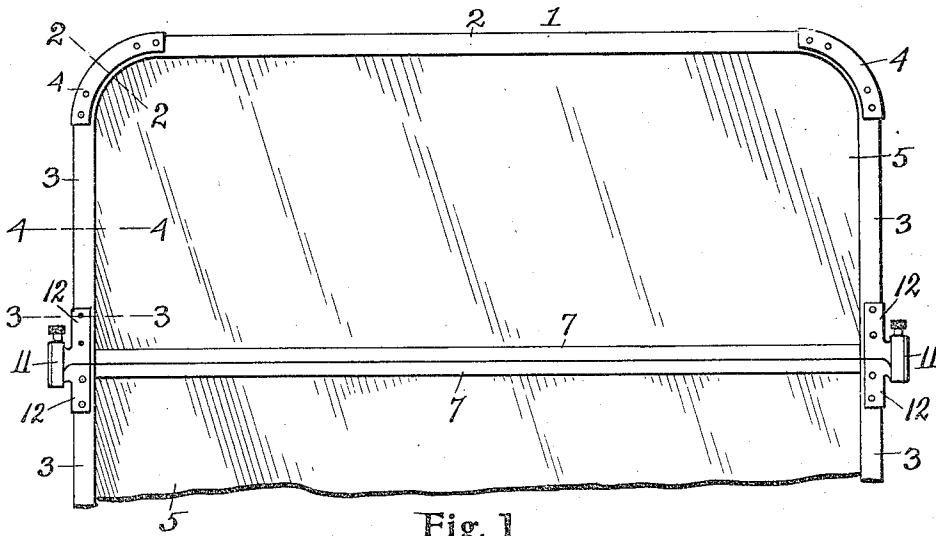


Fig. 1

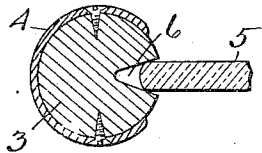


Fig. 2.

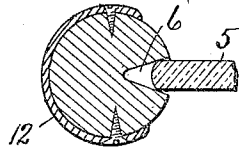


Fig. 3.

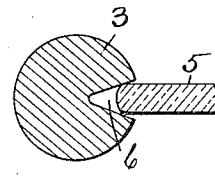


Fig. 4.

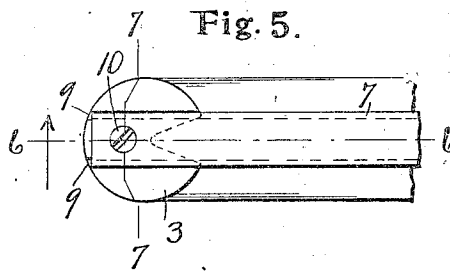


Fig. 5.

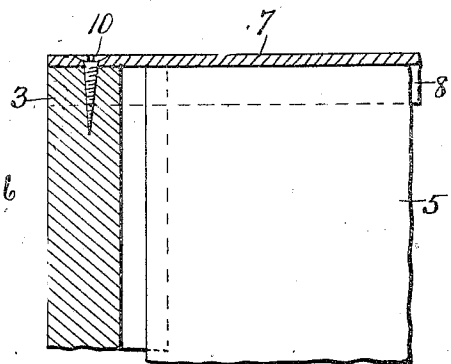


Fig. 6.

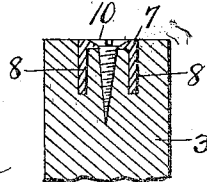


Fig. 7.

Witnesses

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UNITED STATES PATENT OFFICE.

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WIND-SHIELD.

1,046,566.

Specification of Letters Patent.

Patented Dec. 10, 1912.

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To all whom it may concern:

Be it known that I, EUGENE F. DUPART, a citizen of the United States, residing at Detroit, in the county of Wayne, State of Michigan, have invented certain new and useful Improvements in Wind-Shields; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this specification.

This invention relates to wind shields, especially designed for use on automobiles, and consists in the construction and arrangement of parts hereinafter more fully set forth and pointed out in the claim.

The object of the invention is to provide a wind shield having a bent wood frame, wherein provision is made for retaining the glass in place in a secure and economical manner, obviating the use of rubber or other elastic packing commonly employed.

The above object is attained by the structure illustrated in the accompanying drawings, in which:—

Figure 1 is an elevation of a wind shield made in accordance with my invention, showing the shield composed of an upper and a lower frame connected by a hinged joint, the lower frame being broken away. Fig. 2 is an enlarged cross section through one corner of the shield frame and glass, as on line 2—2 of Fig. 1. Fig. 3 is an enlarged transverse section through the stile of the frame and the fitting carrying one part of the hinged joint, as on line 3—3 of Fig. 1. Fig. 4 is an enlarged transverse section through the stile alone, as on line 4—4 of Fig. 1. Fig. 5 is a fragmentary view in plan, showing one of the channeled dividing rails connected to the end of one of the stiles of the frame. Fig. 6 is a longitudinal section as on line 6—6 of Fig. 5. Fig. 7 is a fragmentary view in section, as on line 7—7 of Fig. 5.

Referring to the characters of reference, 1 designates the frame of the upper panel,

comprising the rail 2 and the stiles 3 formed integral or bent wood which is preferably cylindrical in cross section. At the corners where the ends of the rail and the stiles join, the bent portions of the frame are protected by a reinforcement 4 comprising curved plates coincident in cross section with the contour of the frame which they embrace at said point.

To provide for securing the glass panel 5 in place, the inner edge of the frame comprising the rail and stiles is provided with a V-shaped groove or channel 6 into which the edge of the glass extends, as clearly shown in Figs. 2, 3 and 4. The free ends of the stiles are connected by a channel bar 7 between the flanges 8 of which the edge of the glass is received. The ends of the stiles 3 are recessed to receive said bar and are channeled, as shown at 9 in Fig. 5, for the entrance of the flanges 8, the ends of said bar being secured to the ends of the stiles by means of the screws 10, as clearly shown in Figs. 5, 6 and 7. Before the screws 10 are inserted, the stiles 3 are drawn together upon the end margins of the glass with such tension as to crowd the edges of the glass into the channel 6 wherein the beveled margins of said channels with which the glass is brought into forcible contact, serve to securely hold it against rattling, a function which is heightened by the flexibility and slightly compressible nature of the wooden frame in which the glass is held.

The upper and lower panels of the wind shield are connected by a hinged joint 11 of any suitable construction, the members of which are provided with fittings 12 which embrace and are secured to the stiles 3 of the panels of the shield. This arrangement enables the upper panel to be folded in a manner well understood in the art.

Having thus fully set forth my invention, what I claim as new and desire to secure by Letters Patent, is:—

In a wind shield, a bent wood trilateral frame consisting of a rail and two stiles, said frame having a continuous V-shaped channel in the inner edge thereof and a rounded outer edge, a glass panel having

three of its edges confined in said channel,
a channel bar embracing the other edge
of said panel, the flanges of said bar lying
in grooves in the free ends of the stiles of
5 the wooden frame, and means for fastening
the ends of said bar to the ends of said
stiles.

In testimony whereof, I sign this specification in the presence of two witnesses.

EUGENE F. DUPART.

Witnesses:

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I. G. HOWLETT.