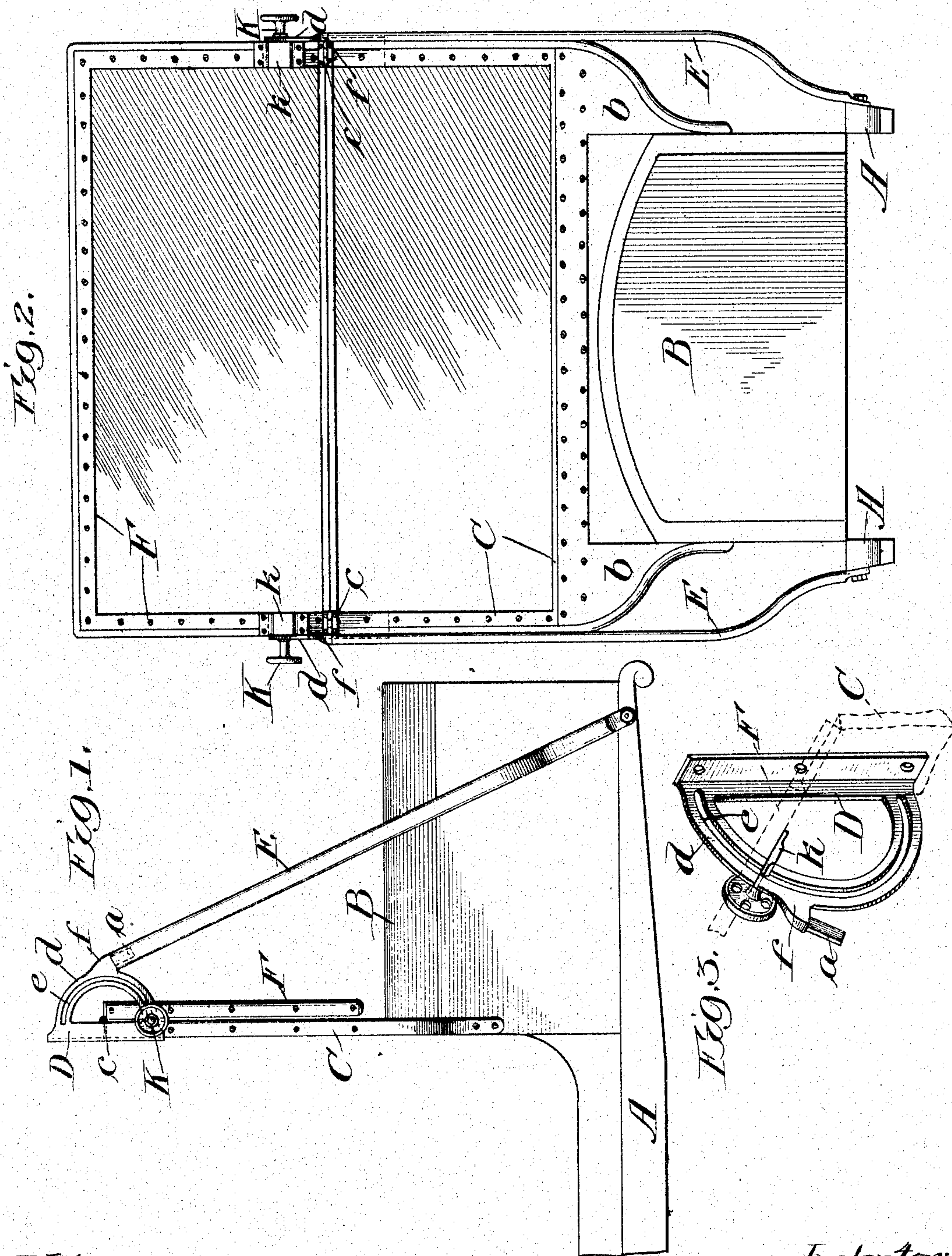


No. 865,290.

PATENTED SEPT. 3, 1907.

W. N. BEECHER.  
WIND SHIELD FOR VEHICLES.

APPLICATION FILED JAN. 16, 1907.



Witnesses:

*Om. Merrill*  
*A. E. McCaffrey*

Inventor:  
*Walter N. Beecher*

*by Frank D. Thompson*  
*Atty.*



# UNITED STATES PATENT OFFICE.

WALTER N. BEECHER, OF CHICAGO, ILLINOIS.

## WIND-SHIELD FOR VEHICLES.

No. 865,290.

Specification of Letters Patent.

Patented Sept. 3, 1907.

Application filed January 16, 1907. Serial No. 352,638.

*To all whom it may concern:*

Be it known that I, WALTER N. BEECHER, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Wind-Shields for Vehicles, of which the following is a clear, full, and exact description.

My invention relates to wind-shields for vehicles, and particularly automobiles, and its object is to provide a transparent shield with an upper and lower sash, so constructed that the upper sash, which is hinged to the lower sash, can be swung down in front of the same, or swung into any other position between the two extremes of its movement, according as desired. This I accomplish by the means hereinafter fully described, and as particularly pointed out in the claims.

In the drawings:—Figure 1 is a side elevation of my improved wind-shield applied to the broken away forward portion of the body of the machine. Fig. 2 is a front elevation of the same, and Fig. 3 is a perspective view of a detached adjusting fixture used in connection therewith.

The drawings show the forward portion of the body of an automobile comprising side-sills A, and a hood or "bonnet," B inclosing the engine (not shown.) Placed above and arising from the rear end of the hood, or dash is a rectangular frame C, which, with the glass, forms the lower sash of the wind-shield. The lower rail of this rectangular frame is provided with downward extensions *b, b*, at each of its corners, which are secured by screws or otherwise to the sides of the rear end of the hood or dash. The frame of this sash C is, preferably, made of metal, and has hinged to the upper ends of the stiles thereof, by means of the hinges *c*, an upper sash F comprising a glass of about the same dimensions as that of the lower sash, and a suitable rectangular frame inclosing the same, to the lower end of the stiles of which said hinges *c* are secured.

Secured to the upper portion of the stiles of the lower sash, are corresponding brackets D, which comprise a forwardly projecting semi-circular part *d* having a co-extensive semi-circular slot *e* therein. About midway its length this semi-circular portion, *d*, is provided with a forwardly projecting beak *f*, that has a stud *a* project-

ing downwards from its under edge near its extremity into a suitable socket in the upper end of a brace E. This brace is secured to said stud by brazing or otherwise, and extends in an inclined direction, downwardly and forwardly, to near the forward ends of the side-sills A of the body, to which their lower ends are secured by bolts, screws, or otherwise. Brackets D are secured to the upper ends of the stiles of the lower sash in such manner that the axes of the hinges connecting said sashes together, will aline with the center from which the curvature of the slot *e* is struck.

Secured to the lower portion of the stiles of the upper sash, on the same side as that from which the semi-circular portion of the brackets G project, are blocks *k*, which have hand-bolts or screws K tapped into them from the outer sides thereof, whose outer portions are increased in diameter and terminate in a suitable hand-wheel. These blocks are so located that the hand-screws pass through slot *e*, and by tightening the latter the semi-circular portion of the brackets are clamped between the shoulder (made by increasing the diameter of the outer portion of said screws) and said blocks, and thus maintain the upper sash in any position to which it may be moved, either vertically above and in the same plane as the lower sash, as shown in Fig. 2 of the drawings, or down in front of said lower sash, as shown in Fig. 1, or in any position into which it may be moved between these two extremities.

What I claim as new is:—

A wind-shield for vehicles comprising a stationary lower sash and an upper sash hinged thereto, a bracket secured to and projecting from the stile of the lower sash and extending up above the same and having a semi-circular slot therein and a stud projecting from the edge thereof farthest from said stile, a brace having a socket in its upper end into which said stud enters and is secured and having its lower end secured to the body of the vehicle, a suitable block secured to the lower portion of the stile of the upper sash, and a screw extending through said slot and into said block and adapted to clamp said bracket against the same.

In testimony whereof I have hereunto set my hand and seal this 29th day of December, A. D., 1906.

WALTER N. BEECHER. [L. S.]

Witnesses:

E. K. LUNDY,

A. E. McCaffrey.