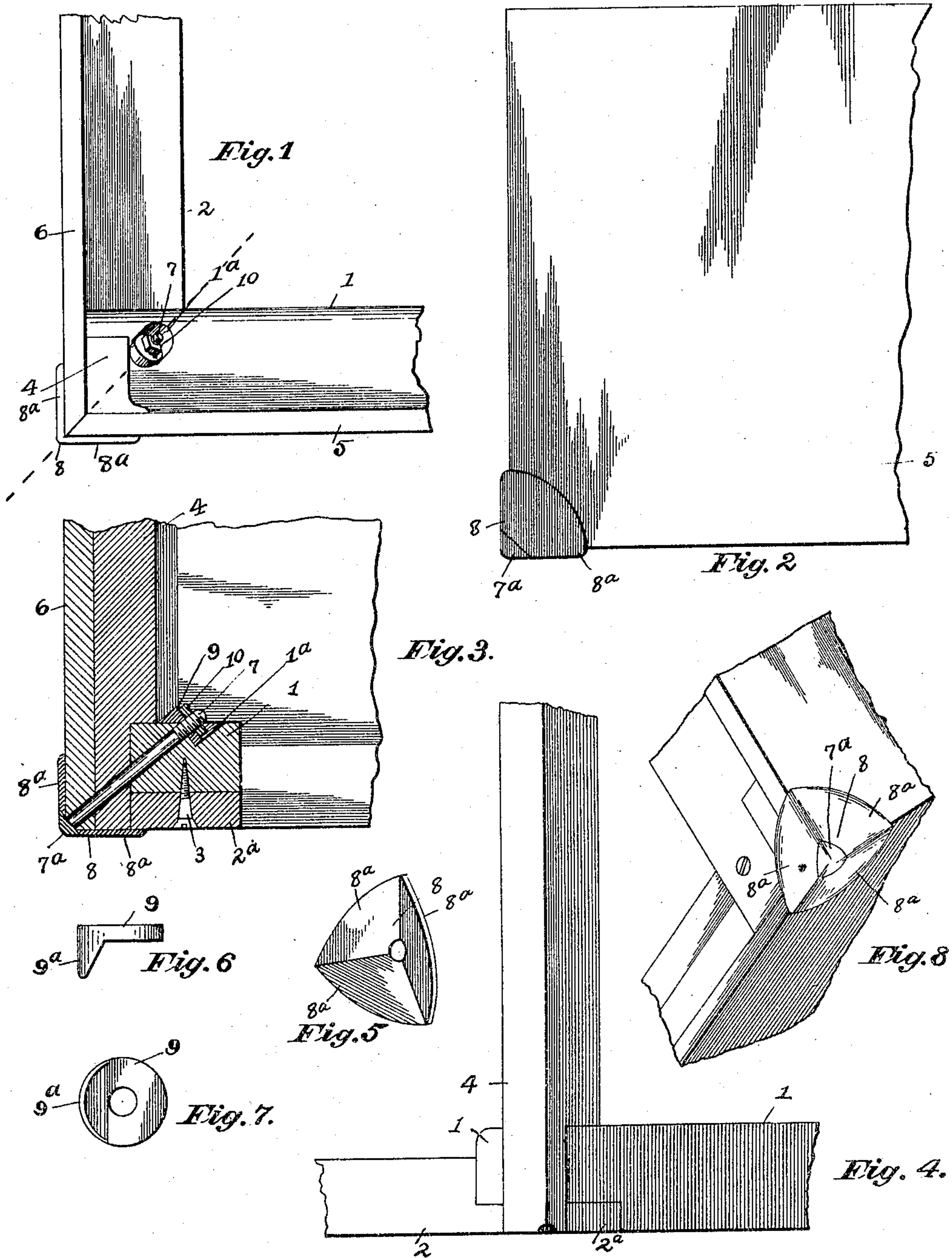


No. 775,449.

PATENTED NOV. 22, 1904.

W. B. C. HERSHEY.  
VEHICLE BODY CORNER.  
APPLICATION FILED JAN. 20, 1904.

NO MODEL.



Witnesses  
*John B. Adams*  
*A. L. Phelps*

Inventor  
William B. C. Hershey  
by *Shepherd & Parker*  
Attorneys.



# UNITED STATES PATENT OFFICE.

WILLIAM B. C. HERSHEY, OF COLUMBUS, OHIO.

## VEHICLE-BODY CORNER.

SPECIFICATION forming part of Letters Patent No. 775,449, dated November 22, 1904.

Application filed January 20, 1904. Serial No. 189,932. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM B. C. HERSHEY, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Vehicle-Body Corners, of which the following is a specification.

My invention relates to the improvement of vehicle-body corners; and the objects of my invention are to provide improved means for uniting the parts of a vehicle-body which form the corners thereof in such manner as to overcome the tendency of the corner-boards toward separating and to produce certain improvements the details of construction and arrangement of which will be more fully pointed out hereinafter. These objects I accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of one corner of a vehicle-body having my improved construction. Fig. 2 is a view in elevation of a portion of one side of the body. Fig. 3 is a sectional view on line *x x* of Fig. 1. Fig. 4 is a view in elevation of the corner-framework with the side and end of the vehicle-body removed. Fig. 5 is a detail view in perspective of a portion of the uniting-bolt which I employ in the manner hereinafter described. Fig. 6 is a side elevation of a washer which I may employ in the manner hereinafter described. Fig. 7 is an inner face view of said washer; and Fig. 8 is a view in perspective of the vehicle-body corner, showing my improved bolt-head or retaining-plate thereon.

Similar numerals refer to similar parts throughout the several views.

In the drawings, 1 represents a portion of the side sill of the vehicle-body, and 2 a portion of the end sill, the end of the side sill overlapping, as shown, the reduced tongue extension 2<sup>a</sup> of the end sill and being secured thereto, as shown in Fig. 3, by one or more screws 3. Intersecting the side and end sills and let into the end portions of the latter until its outer sides are flush therewith is the usual and preferably angular form of corner-post 4. The side and end sills and corner-post may be united in the usual or any well-known manner

by gluing or otherwise, and to the side sill 50 and one face of the corner-post is suitably secured by nailing or otherwise the usual vehicle-body side board 5, while the end board 6 is similarly secured to the end sill 2 and remaining outer face of the corner-post, these side 55 and end boards meeting in a bevel or miter joint to form the exterior corner of the body.

7 represents the bolt which I employ, in the manner hereinafter described, for securely uniting the adjoining corner parts of the vehicle-body. This bolt, which has its stem portion threaded in the usual manner, is formed at its outer end, as shown more clearly in Figs. 3 and 8 of the drawings, with an enlargement or head 7<sup>a</sup>, the under side of which presents an angular 65 outline and the outer side of which is formed with three flaring faces, imparting to the body of the head an approximately conical form. 8 represents a binding-plate, which is formed with three wings 8<sup>a</sup> inclining from a 70 common apex and extending at right angles one with the other. This binding-plate is formed at its apex with an opening through which is designed to pass the stem of the bolt 7, the flat inner side of the head 7<sup>a</sup> of said bolt bearing 75 on the flattened apex of said binding-plate and forming substantially a corner continuation of said plate, the outer surfaces of its sides being flush with the outer surfaces of the wings of the plate 8. The stem or body 80 of the bolt, as shown in the drawings, is designed to extend inwardly and upwardly through a properly-inclined bolt-hole, which in the construction shown in the drawings leads through the lower corner-junction of the 85 body side and end, thence through the corner-post 4 and side sill 1, the threaded end portion of said bolt projecting within an upper side recess or partial socket 1<sup>a</sup> of said side sill. Although the bolt is not in the present construction shown as intersecting the end sill, 90 it will be understood that the parts which are intersected by said bolt will depend upon the construction employed in forming the corner of the vehicle-body, which construction may 95 vary from that herein shown and described. Over the threaded end of the inclined bolt 7 I preferably slip a washer 9, which, as shown



in Figs. 6 and 7, may be formed on one side with a projecting lip portion 9<sup>a</sup>, which when the body of the washer rests within the socket or recess 1<sup>a</sup> is adapted to bear upon the upper  
5 surface of the side sill. On the outer side of this washer I screw upon the bolt a suitable nut 10, and when the latter is properly tightened it is obvious that the wings 8<sup>a</sup> of the  
10 binding-plate will be drawn into close contact with the two sides and bottom of the vehicle-body at and about the lower corner thereof. In this manner it will be understood that the bottom and sides of the vehicle-body may be  
15 drawn tightly toward a common center, thus insuring the retention of said parts in proper relation one with the other and preventing any tendency toward the formation of the gap or seam which ordinarily appears at the lower corner of the body. It will also be seen that  
20 the angular form of the plate 8 is such as to insure an equal binding pressure on three sides of the corner, thereby further insuring the effectiveness of the connection of the parts.

Having now fully described my invention, what I claim, and desire to secure by Letters 25 Patent, is—

The combination with a rectangular body having its corner portions formed of united framework, of a bolt intersecting said body at its lower corner and extending diagonally 30 upward and inward through said corner parts, said bolt having a tapering head 7<sup>a</sup> provided with right-angular shoulders and forming the exposed bearing-corner, an angular binding-plate 8 formed as described with three wings 35 adapted to embrace two sides and the bottom of the corner of said body, the apex of said angular plate having an opening therethrough and a flattened surface about said opening to present a bearing for the shoulders of the head 40 7<sup>a</sup> of the bolt.

WILLIAM B. C. HERSHEY.

In presence of—

A. L. PHELPS,

W. L. MORROW.