

No. 644,100.

Patented Feb. 27, 1900.

T. J. RYAN.  
CORNER FOR VEHICLE BODIES.

(Application filed July 28, 1897.)

(No Model.)

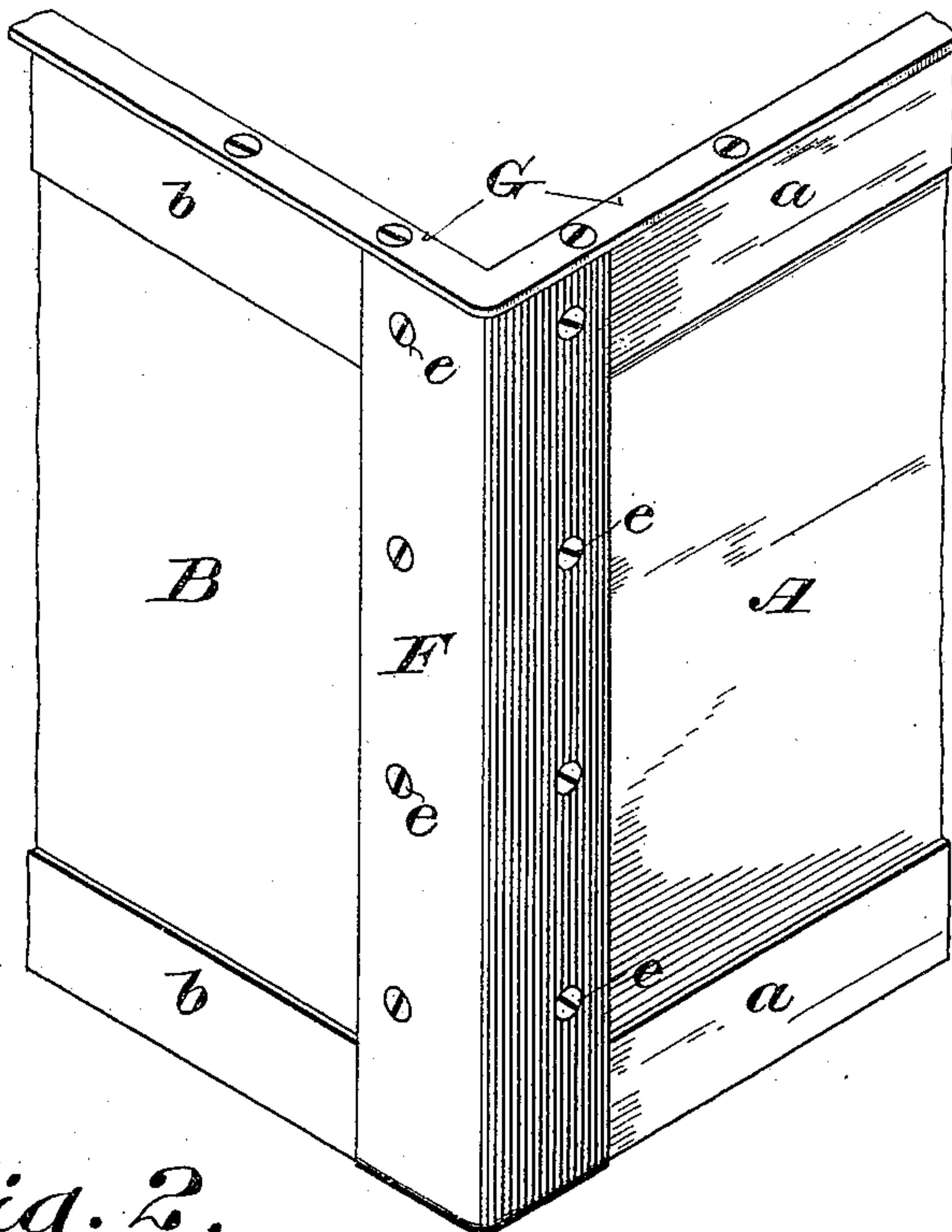


Fig. 1.

Fig. 2.

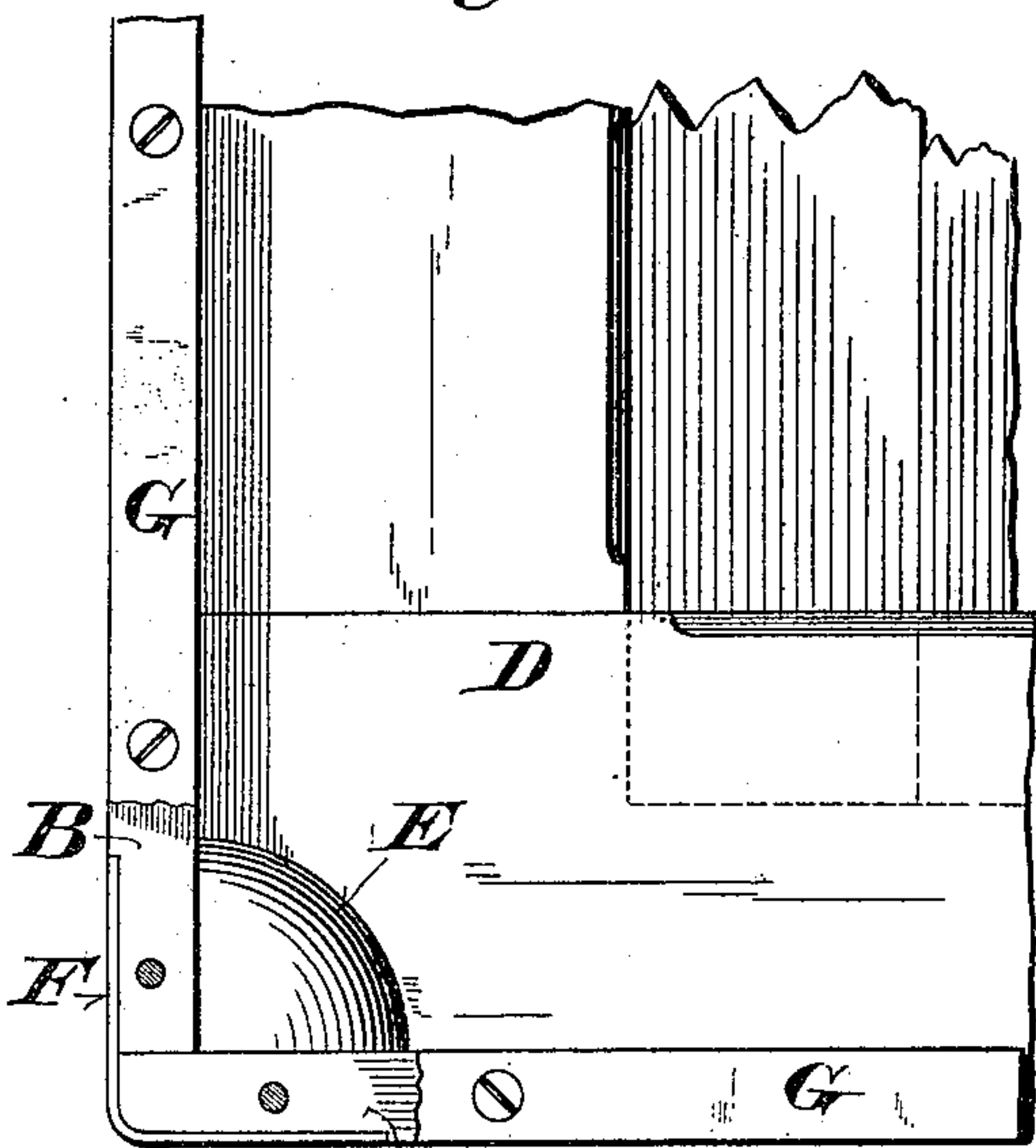
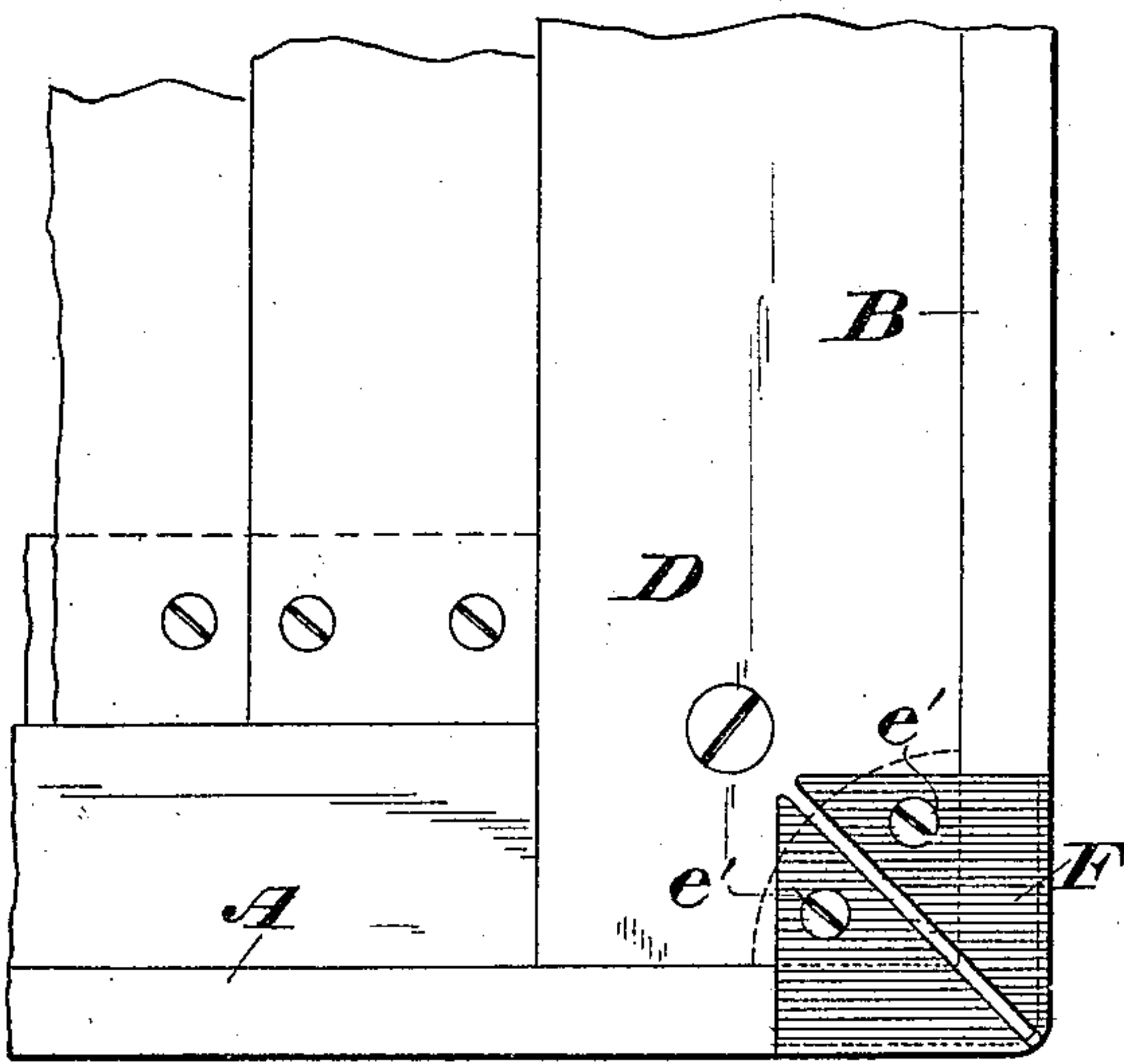


Fig. 3.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

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## CORNER FOR VEHICLE-BODIES.

SPECIFICATION forming part of Letters Patent No. 644,100, dated February 27, 1900.

Application filed July 26, 1897. Serial No. 645,924. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS J. RYAN, of Racine, in the county of Racine and State of Wisconsin, have invented certain new and  
5 useful Improvements in Corners for Vehicle-Bodies; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains to make  
10 and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The main objects of my invention are to  
15 strengthen and improve, both as to durability and appearance, the corners of vehicle-bodies, particularly of light vehicles, and at the same time to simplify and reduce the cost of construction.

20 It consists of certain novel features in the construction of the corners and of the panels of a vehicle-body, as hereinafter particularly described, and pointed out in the claims.

In the accompanying drawings like letters  
25 designate the same parts in the several views.

Figure 1 is a perspective view of a corner of a vehicle-body constructed in accordance with my invention. Fig. 2 is a top plan view, and Fig. 3 an inverted plan view, of the same.

30 A designates one of the side panels, B one of the end panels, and D the bottom frame to which the panels are attached at their lower edges.

E is a wooden corner-post fitted in the angle  
35 between the side and end panels in the usual way. Instead of beveling the ends of the panels to form a miter-joint they are cut off square, and one panel is lapped over the end of the other, as shown in Fig. 2. This sim-  
40 plifies and facilitates the construction of the joint, as it requires less accurate fitting.

The panels are preferably formed on the outside next to their upper and lower edges with raised portions or rails *a b*.

45 F is a metallic corner-piece fitted over the ends of the panels on the outside of the body and secured to the corner-post E through the panels by screws *e e*, nails, rivets, or bolts.

It covers the joint between the panels and firmly binds them to the corner-post. It is  
50 preferably made of sheet metal of a thickness corresponding with that of the raised portions or rails *a b* of the panels, into which it is sunk flush, as shown in Figs. 1 and 2, thus constituting a continuation of the raised  
55 portions of the panels or stiles across their ends and making a strong durable corner of neat and finished appearance.

When made of sheet metal, the corner-piece is preferably extended below the panels and  
60 slit or notched lengthwise in line with the corner, the two parts into which it is thus separated being bent inwardly and upwardly against and attached to the bottom by screws  
65 *e' e'*, nails, rivets, or bolts, as shown in Fig. 3. When finished, the screw, nail, or rivet heads in the corner-piece are or may be covered and hidden with putty and paint, so that the corner-piece will present a smooth un-  
70 broken surface. The upper edges of the panels and the joint between them at the corner are covered and protected in the usual way by a metal band G, screwed or otherwise secured thereto.

My improved corner is superior to the or-  
75 dinary glue-joint in that it is not affected by water or moisture, and it is also superior to corners in which the ends of the panels are clamped between two metallic corner-pieces in that it will not become loose and rattle by  
80 reason of expansion and contraction due to atmospheric changes. It is also simpler and cheaper in construction and neater in appearance than corners now in general use.

I claim—

85 1. In a vehicle-body the combination with side and end panels having raised portions or rails on the outside at top and bottom, of a metal corner-piece secured over the ends of said panels flush with the raised portions or  
90 rails, and constituting continuations thereof or stiles across the ends of the panels, substantially as and for the purposes set forth.

2. In a vehicle-body the combination with the bottom and side and end panels, of a  
95 wooden corner-post fitted in the angle be-

tween the panels and a metal corner-piece fitted over the ends of said panels, covering the joint between them and secured to the corner-post by screws, nails or rivets passing through said panels at a distance from the joint between their ends, substantially as and for the purposes set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

THOS. J. RYAN.

Witnesses:

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