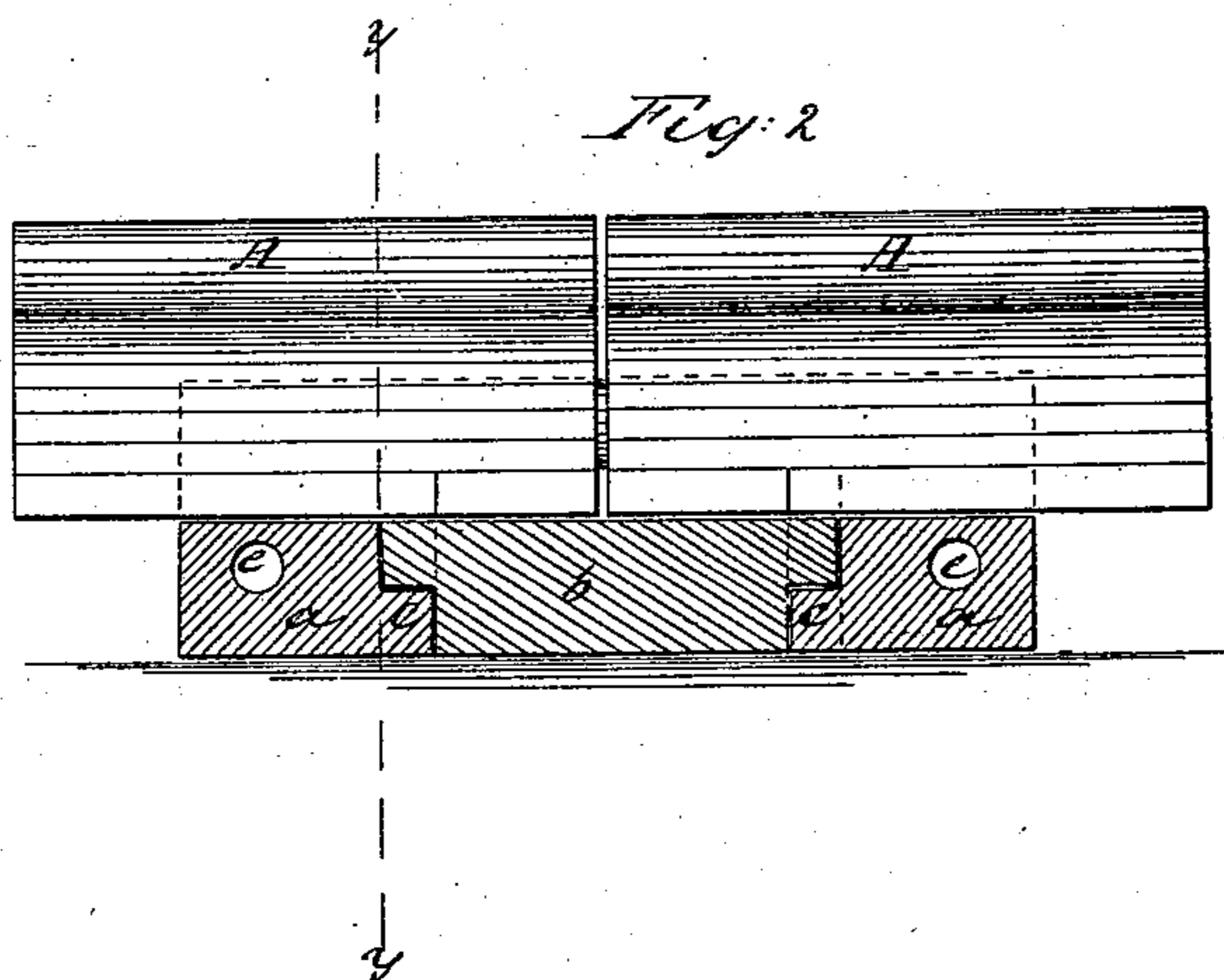
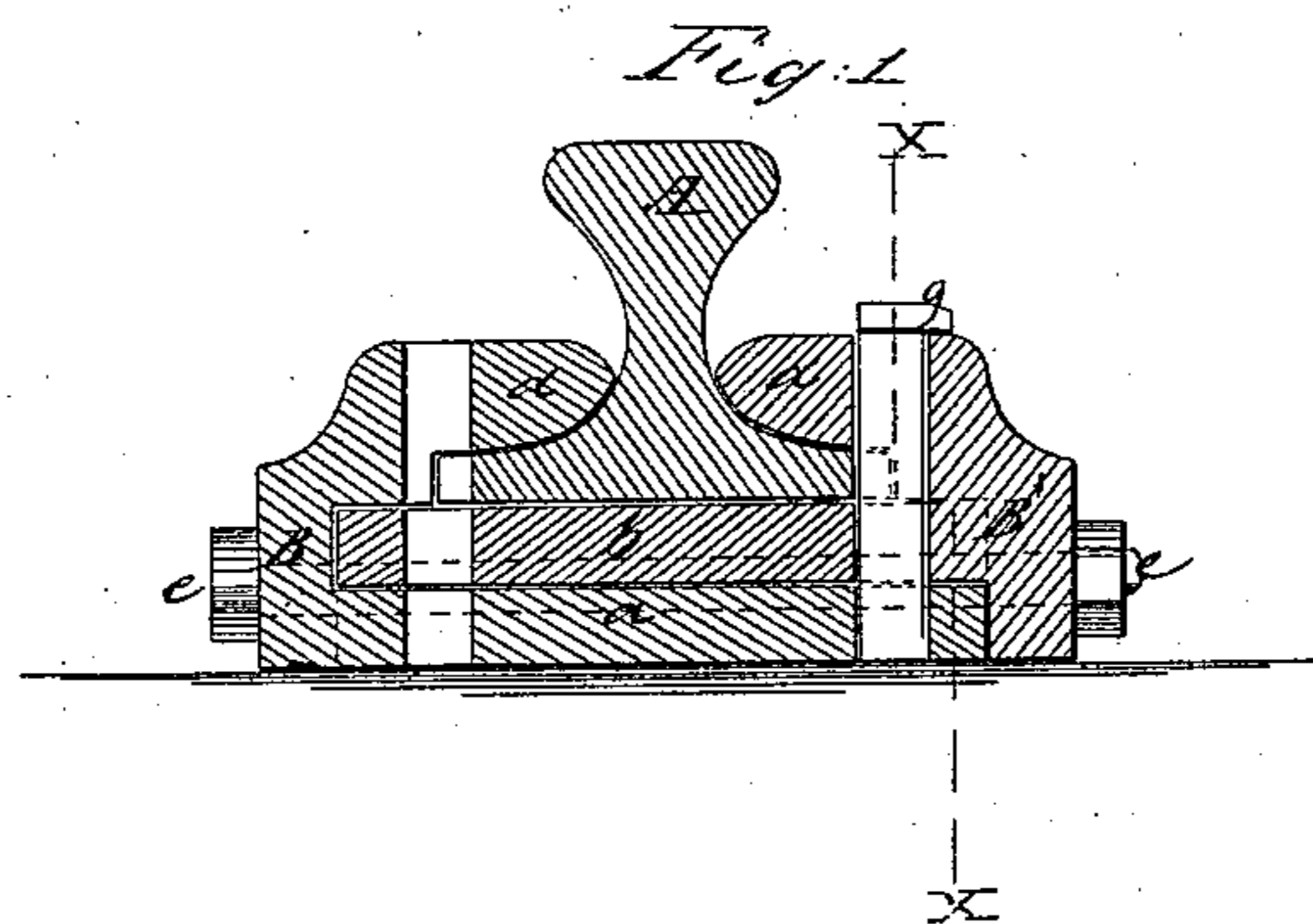


*P. Allen,*

*Railroad Chair,*

*Patented Nov. 5, 1867.*

*No. 70,497*



*Witnesses*  
*Thos. Tinscher*  
*Wm. Dean Overell*

*Inventor*  
*Peter Allen*  
*Per Munn & Co*  
*Attorneys*

# United States Patent Office.

PETER ALLEN, OF RUTLAND, VERMONT, ASSIGNOR TO HIMSELF, L. VAL-  
LIQUETTE, AND CLEOPHAS BRODEUR, OF THE SAME PLACE.

*Letters Patent No. 70,497, dated November 5, 1867.*

## IMPROVED RAILWAY CHAIR.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, PETER ALLEN, of Rutland, in the county of Rutland, and State of Vermont, have invented a new and useful improvement in Railroad Chairs; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical transverse section taken in the line *y y*, fig. 2, showing the connection of my improved chair with the ends of the rails.

Figure 2, a longitudinal section taken in the line *y y*, fig. 1, showing the same.

Similar letters of reference indicate like parts.

This invention relates to an improvement in the construction of railroad chairs, and consists in making two plates of cast iron, which form the bed and sides of the chair, and are connected transversely by two screw-bolts and nuts, and are secured to the rails and the sill of the track by four spikes, two on each side, passing through both plates and the flange or base of the rails, as hereinafter more particularly described.

A A represent the ends of two rails, and B B' the plates of a chair. The plate B is formed with a bed-plate, *a*, divided into two parts by a central recess, that receives a corresponding projection or tongue, *b*, on the plate B'. The tongue *b* fits in the recess so as to be flush at bottom and top with the bed-plate *a*, and rests upon shoulders, *c c*, at the sides thereof. Both plates have their sides made thick, and the insides are turned over to form flanges, *d d*, which lie upon the upper side of the base of the rails A A, when the two plates are connected and drawn together by two transverse bolts, *e e*. The rails and chair-plates are spiked down to the sill together by four spikes, *g g*, two on each side, that pass down through holes in the flanges *d d*, and the sides of the tongue *b*, on the plate B'; and also interlock in recesses cut in the edge of the base of each rail, and in the shoulders *c c* of the recess in the plate B, thus securing all the parts together firmly.

Having described my invention, I claim as new, and desire to secure by Letters Patent—

The plate B, in combination with the plate B' with the tongue *b*, fitted in a recess in the bed *a*, constructed and secured with screw-bolts and spikes, as herein described.

his  
PETER X ALLEN.  
mark

Witnesses:

J. J. R. RANDALL,  
HENRY EDGERTON.