

F. MIHALIK.

RAIL JOINT.

APPLICATION FILED MAR. 18, 1908.

928,683.

Patented July 20, 1909.

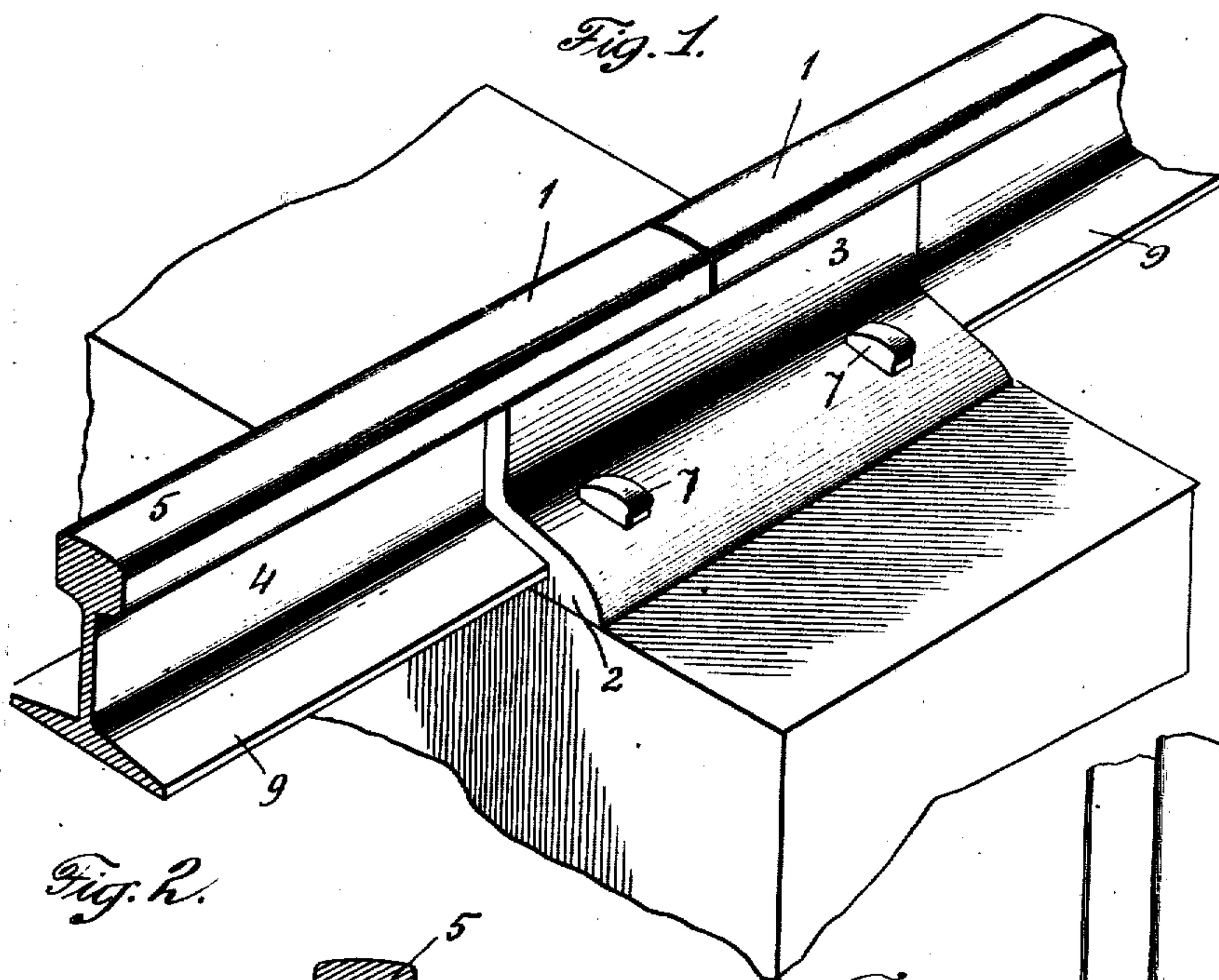


Fig. 2.

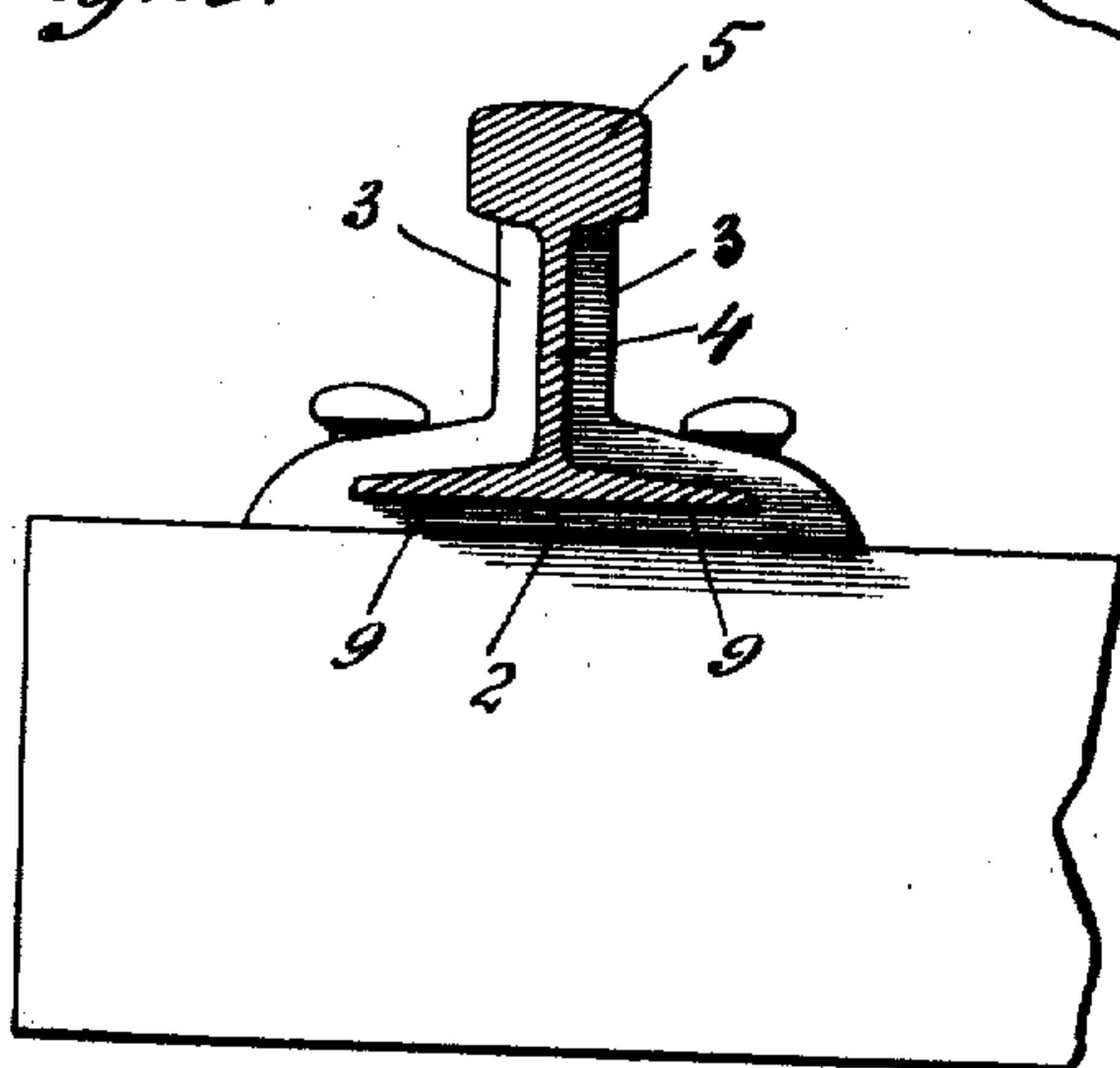


Fig. 3.

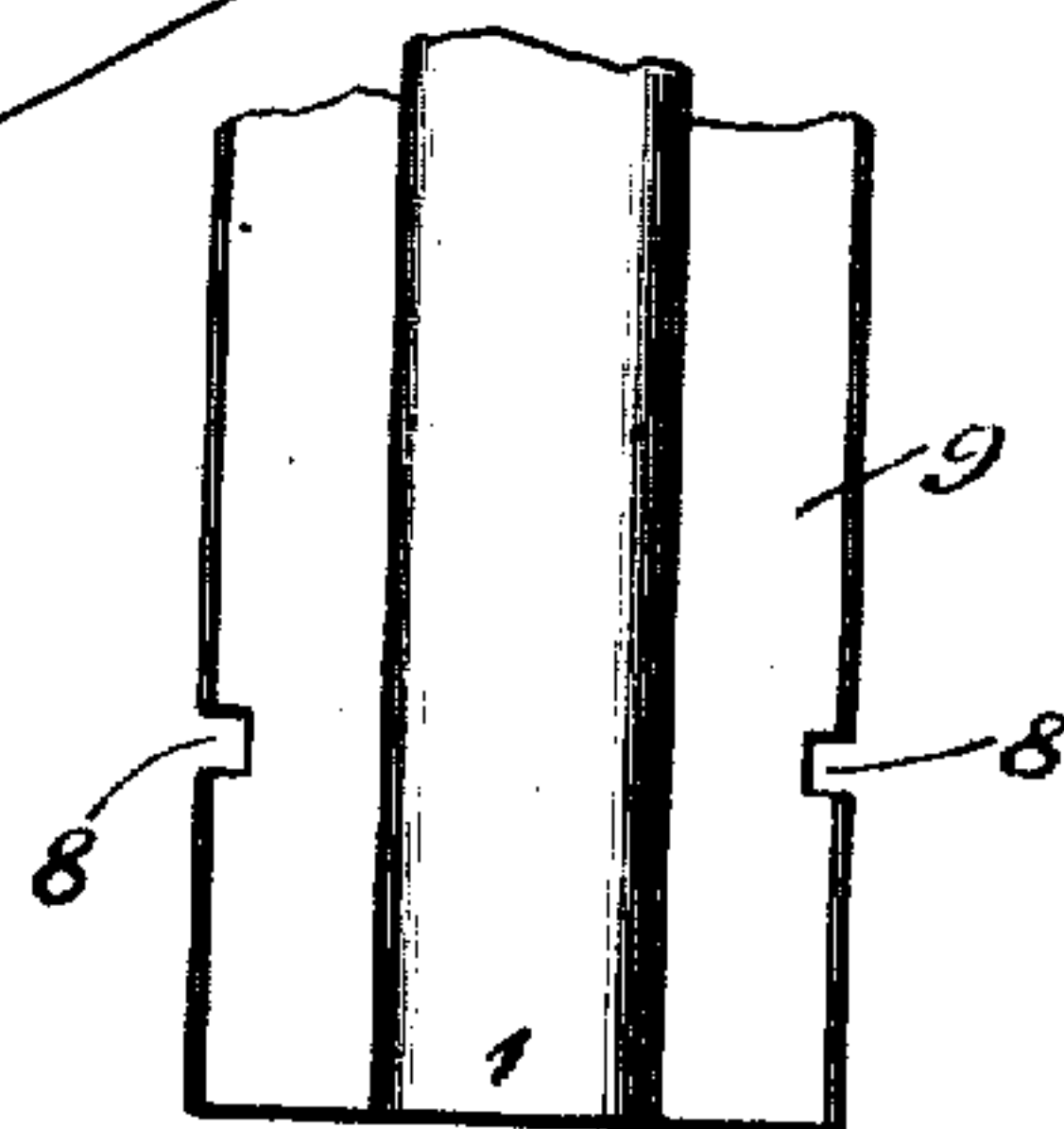
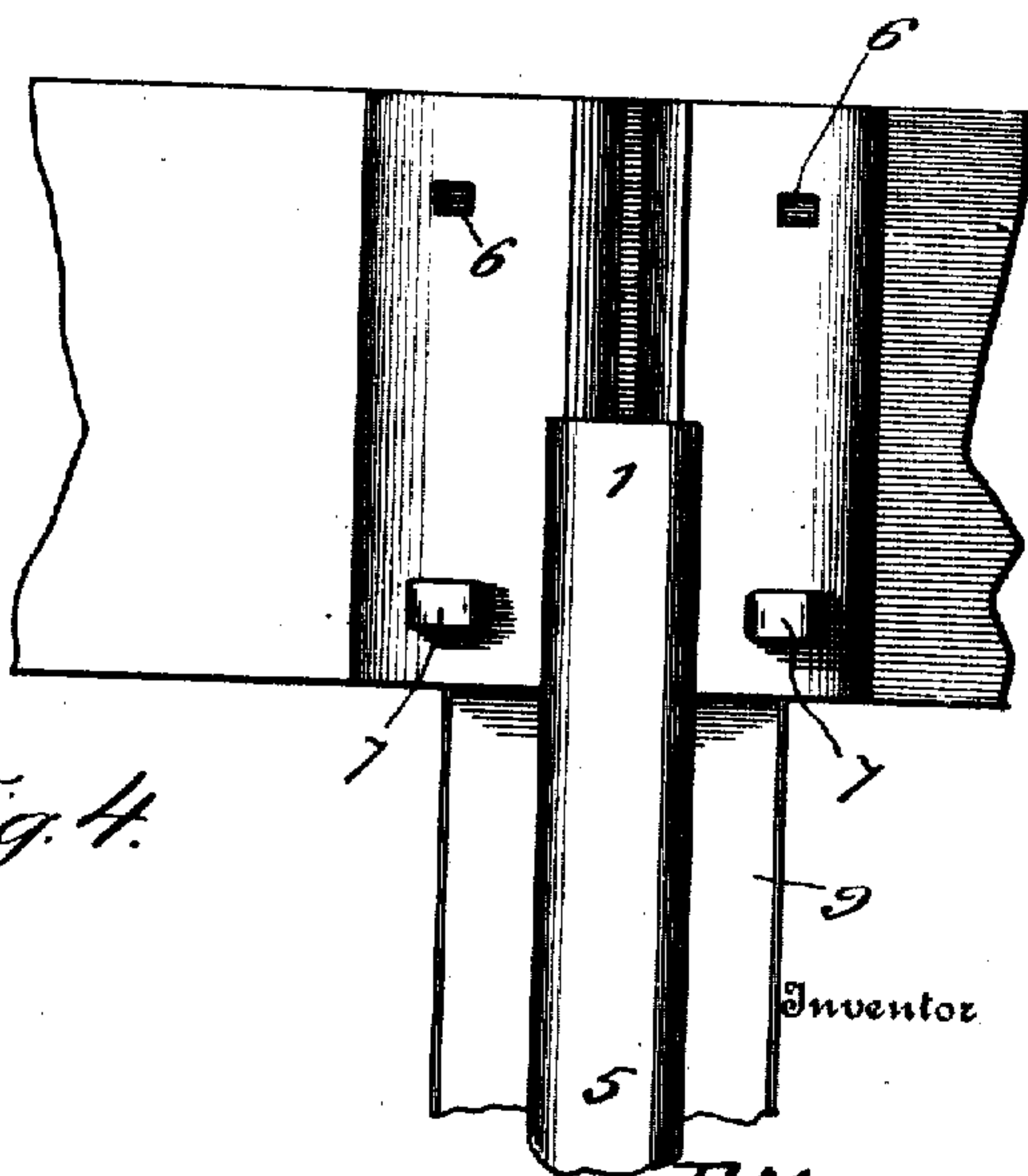


Fig. 4.



Witnesses

A. H. Rabsag,

N. H. Butler

Inventor

F. MIHALIK,

By

H. E. Evans

Attorney

UNITED STATES PATENT OFFICE.

FRANK MIHALIK, OF PITTSBURG, PENNSYLVANIA.

RAIL-JOINT.

No. 928,683.

Specification of Letters Patent.

Patented July 20, 1909.

Application filed March 18, 1908. Serial No. 421,772.

To all whom it may concern:

Be it known that I, FRANK MIHALIK, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Rail-Joints, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a rail joint, and the primary objects of my invention are, first, to provide a strong and durable connection for the confronting ends of two rails; second, to dispense with the use of nuts and bolts as a medium for connecting rails; and third, to provide a novel rail chair that will prevent lateral and vertical displacement of the confronting ends of two rails.

I attain the above objects by a rail joint that will be presently described and then claimed.

Referring to the drawings forming a part of this specification, Figure 1 is a perspective view of the rail joint constructed in accordance with my invention, Fig. 2 is an end view of the same, Fig. 3 is a plan of the end of the rail constructed in accordance with my invention, Fig. 4 is a plan of the rail joint with one of the rails thereof removed.

To put my invention into practice, I provide a rail chair for supporting the confronting ends of rails 1. This chair comprises a base plate 2 having integral splice bars 3 for bracing the webs 4 and the heads 5 of rails. These splice bars adjacent to the plate 2 are provided with spike openings 6 for spikes 7, said spikes engaging in notches 8, provided therefor in the base flanges 9 of the rails 1. The spikes 7 are adapted to prevent lateral displacement of said chair and said rails.

From the foregoing description it will be

observed that I have devised a novel support for the confronting ends of rails, and I desire it to be understood that such structural changes as are permissible by the appended claim can be resorted to without departing from the scope of the invention.

Having now described my invention what I claim as new, is:—

The combination with the confronting ends of two rails, the bases of each of said rails provided with notches, of a chair adapted to embrace said rails, said chair comprising a base plate, integral splice bars carried by the base plate and comprising vertical and angularly disposed portions for bracing the webs and heads of the rails, said splice bars near each end and adjacent the side edges of the base plate provided with spike openings, said base plate provided with openings in alinement with the openings in the splice bars, said openings arranged above and below said notches, and spikes extending through the openings and notches for connecting the chair to the rails and maintaining the rails in position, said splice bars uninterrupted from end to end and of the same thickness from end to end and each having the outer face of its vertical portion extending in the same plane throughout, said vertical portions of said splice bars having the inner faces thereof snugly engaging throughout the faces of the web of the rail and said angularly disposed portions snugly engaging the upper face of the base of the rails.

In testimony whereof I affix my signature in the presence of two witnesses.

FRANK MIHALIK.

Witnesses:

A. H. RABSAG,
MAX H. SIFOLOVITZ.