

No. 891,081.

PATENTED JUNE 16, 1908.

S. KÜHNLE.
RAIL JOINT.

APPLICATION FILED JAN. 28, 1908.

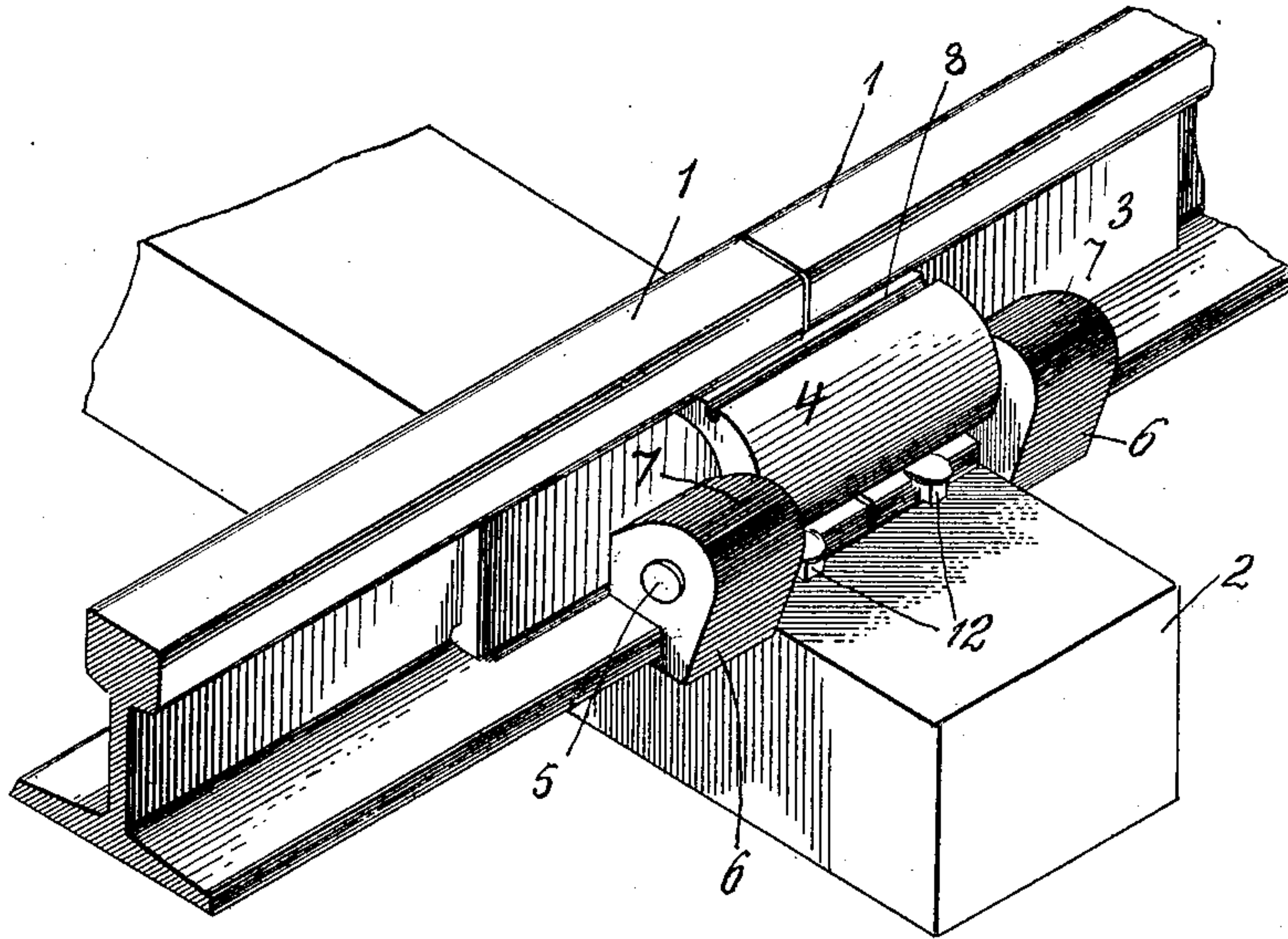


Fig. 1.

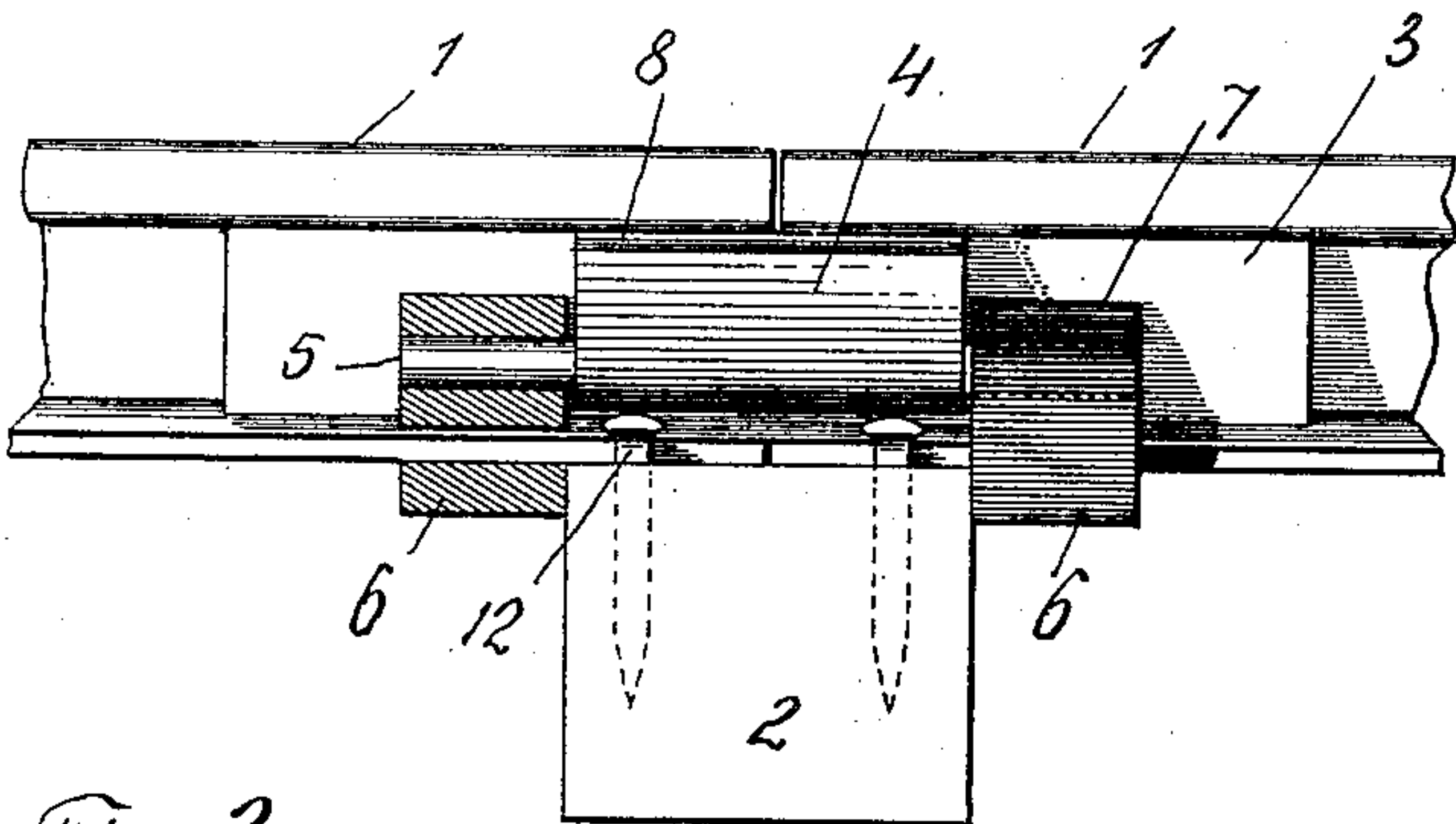


Fig. 2.

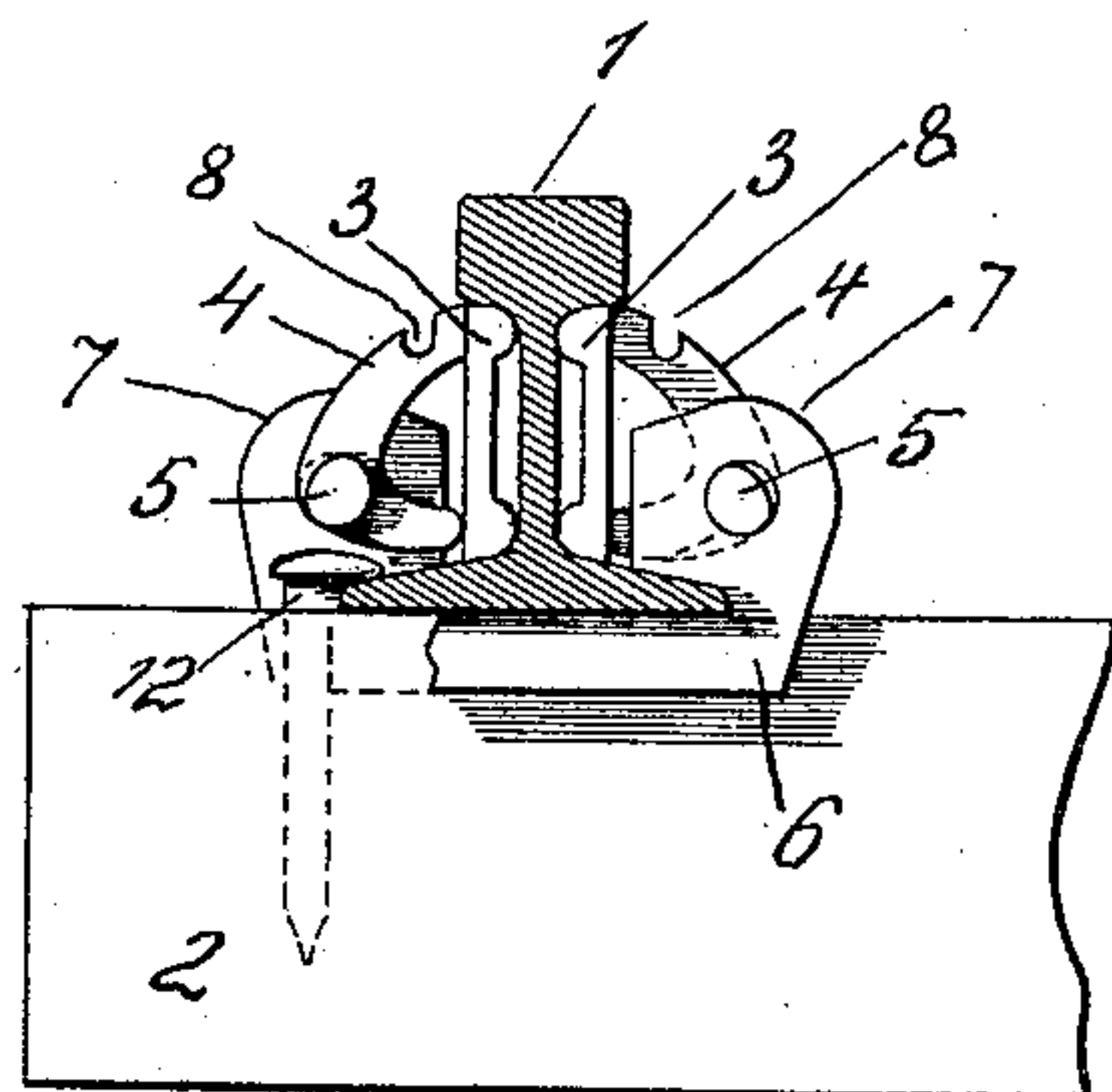


Fig. 3.

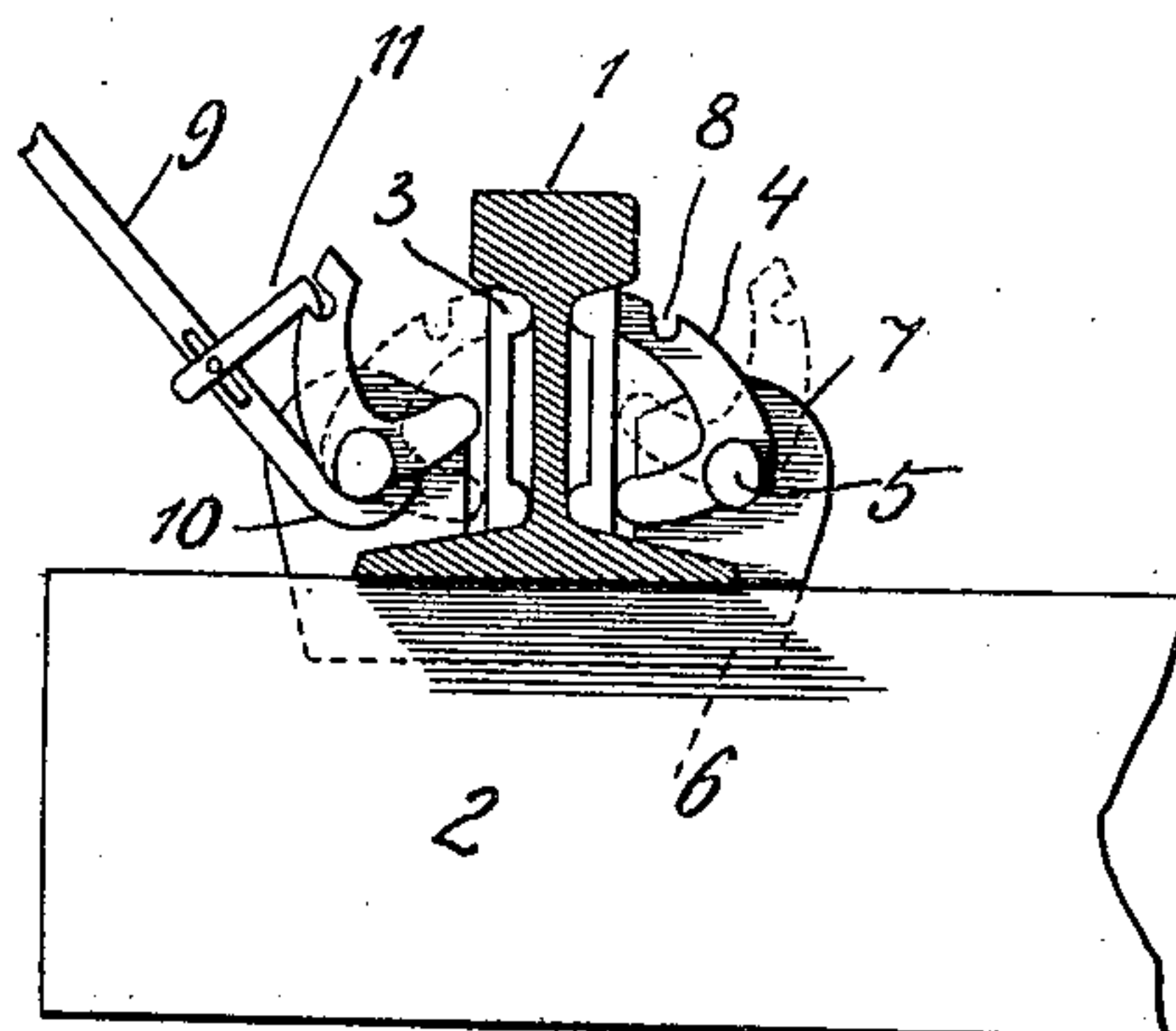


Fig. 4.

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SEBASTIAN KÜHNLE, OF BRADDOCK, PENNSYLVANIA.

RAIL-JOINT.

No. 891,081.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, SEBASTIAN KÜHNLE, a subject of the Emperor of Germany, residing at Braddock, 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.

10 This invention relates to a rail joint, and the objects of my invention are, first, to provide a simple and inexpensive rail joint, wherein the use of nuts and bolts is dispensed with; second, to provide a strong
15 and durable joint connection for rails, that will prevent lateral or vertical displacement of the confronting ends of two rails; and third, to provide a connection for rails that can be easily and quickly manipulated to
20 hold the confronting ends of two rails together. I attain these objects by a construction that will be presently described and then specifically pointed out in the appended claims.

25 In the drawings; Figure 1 is a perspective view of my rail joint, Fig. 2 is an elevation of the same partly in section, Fig. 3 is an end view of the rail joint, and Fig. 4 is a similar view illustrating one of the clamping
30 ing members in an open position.

In the accompanying drawings, 1 designates the confronting ends of two rails, these rails resting upon a tie or sleeper 2. The rails are braced upon their sides by
35 splice bars 3 and to hold said splice bars in engagement with said rails, I employ two C-shaped clamping members 4, these members being trunnioned, as at 5, between two yokes 6 that are mounted upon the ends of

the rails 1, said yokes embracing the base 40 flanges of said rails and provided with pierced lugs 7 between which the clamping members 4 are trunnioned. The clamping members are adapted to lie over the tie 2 and engage the splice bars 3. These members 45 have their outer faces, near the upper edges thereof provided with longitudinally disposed grooves 8 and in connection with said grooves, I use a suitable instrument for opening the members after they have been 50 closed. This instrument may comprise a slotted lever 9 having a hook-shaped end 10 and a pivot hook 11, the hook-shaped end engaging under the clamping members, while the hook 11 engages in the groove of 55 the member.

Besides securing the ends of the rails 1 by the clamping members, I use spikes 12, these spikes holding the rails upon the ties 2.

Having now described my invention what 60 I claim as new, is:—

In a rail joint, the combination with a tie, and rails adapted to be supported thereon, of splice bars engaging the sides of said rails, yokes mounted upon the base flanges 65 of said rails at the sides of said tie, C-shaped clamping members trunnioned between said yokes and adapted to engage said splice bars, said C-shaped clamping members having longitudinally disposed grooves for the 70 reception of a suitable opening instrument, substantially as described.

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

SEBASTIAN KÜHNLE.

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