

A. M. RITCHEY & R. C. SHANE.

RAIL JOINT.

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917,153.

Patented Apr. 6, 1909.

Fig. 1.

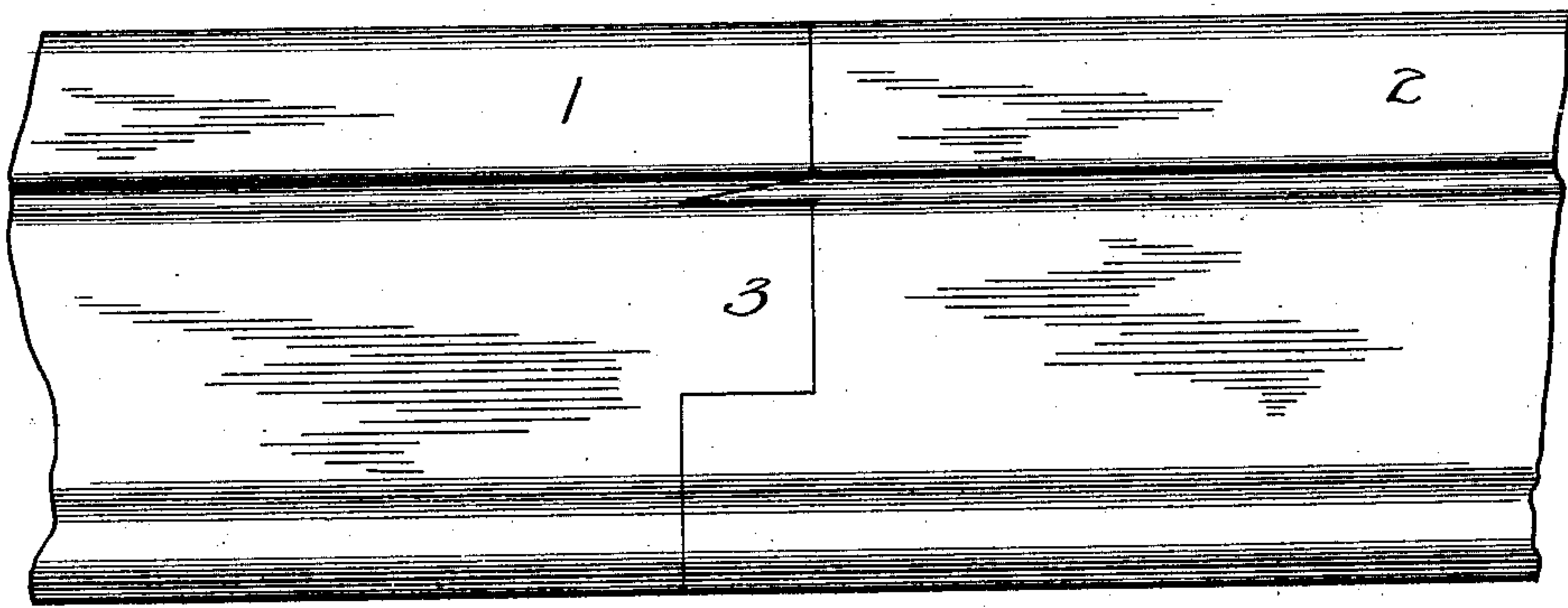
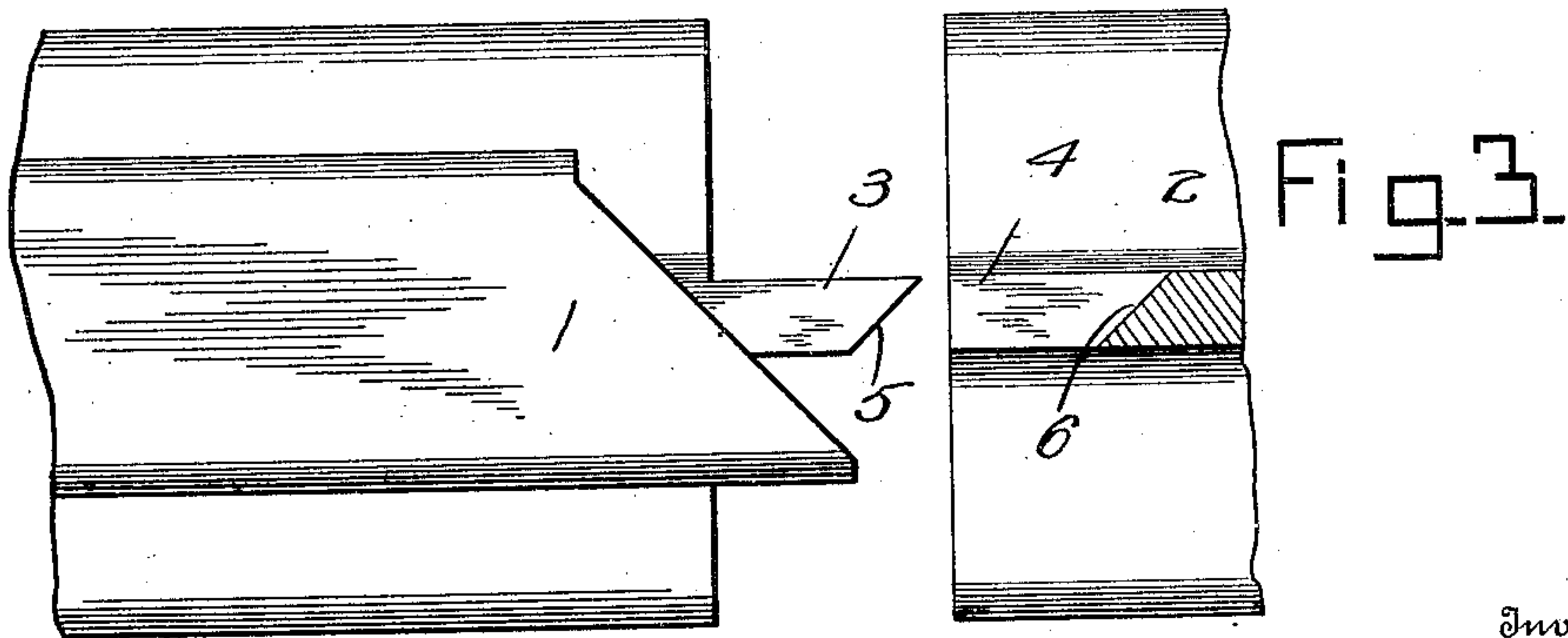
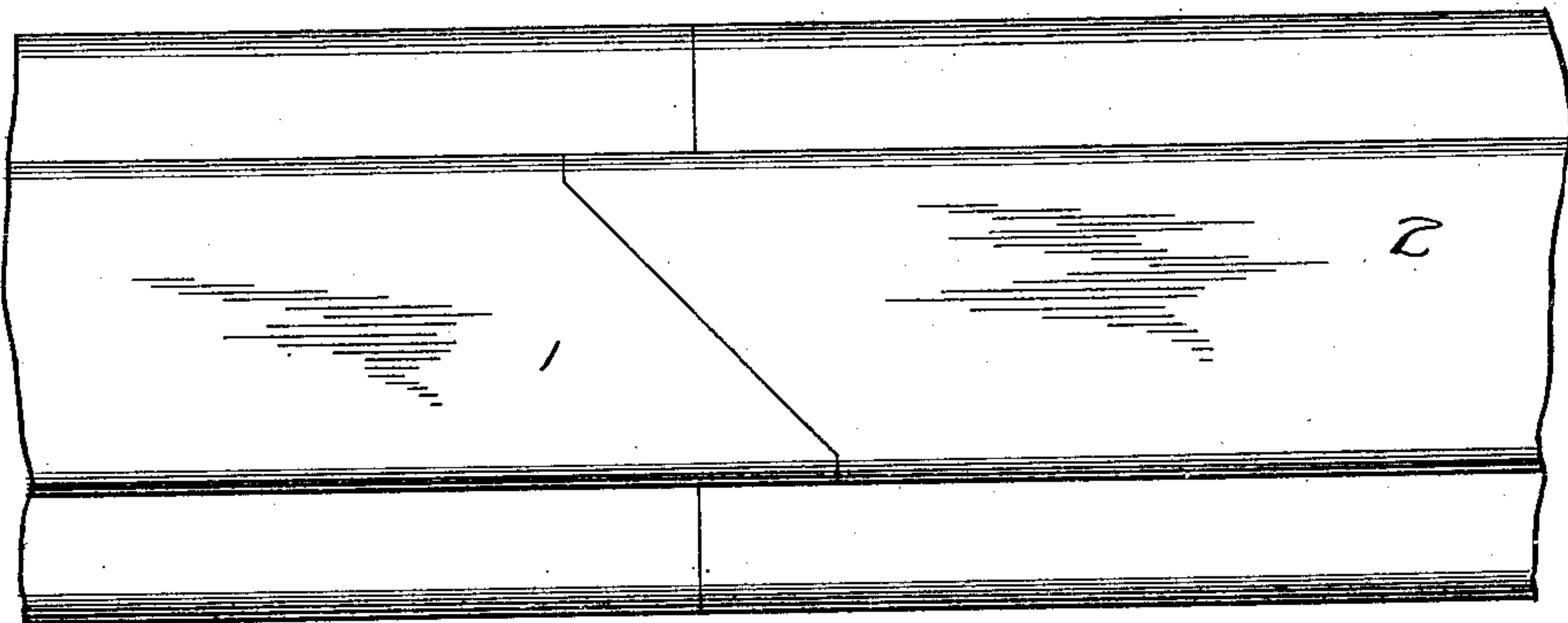


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

ANDREW M. RITCHEY AND ROBERT C. SHANE, OF SAN ANTONIO, TEXAS.

RAIL-JOINT.

No. 917,153.

Specification of Letters Patent.

Patented April 6, 1909.

Application filed June 16, 1908. Serial No. 438,880.

To all whom it may concern:

Be it known that we, ANDREW M. RITCHEY and ROBERT C. SHANE, citizens of the United States, residing at San Antonio, in the county of Bexar and State of Texas, have invented a new and useful Rail-Joint; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to improvements in rail-joints, and has for its object to provide a device of this character which will practically eliminate the jolt and jar caused by the car wheel passing over the same. It will be seen that this is accomplished by means of this construction which presents a smooth continuous tread for wheels of trains, which engage the said tread, as each wheel enters upon one section of rail before it leaves the other section of rail.

Another object of the invention is to provide a device of this character which will hold each section of the joint flush with the other section.

With these and other objects in view, the invention consists of the novel construction and arrangement of parts hereinafter described and shown and particularly pointed out in the appended claim.

In the drawings, Figure 1 is a side elevation of a rail-joint constructed in accordance with this invention. Fig. 2 is a top plan view of the same. Fig. 3 is a view similar to Fig. 2 showing the parts disconnected and a portion of section 2 in section.

Referring to the drawings, 1 and 2 design-

nate the two sections of our rail-joint, the treads of which are beveled as shown. The section 1 is provided with a tongue or projection 3 which engages a suitable recess in section 2. The purpose of this projection is to hold sections 1 and 2 in accurate registration with one another. The end of the tongue 3 is also beveled as shown at 5 which engages a beveled wall 6 in section 2.

It will be seen that the beveled portion in the tread of the rail will prevent the lateral movement of the parts in one direction, and the beveled portions 5 and 6 will prevent lateral movement in the opposite direction.

Having thus described the invention, what we claim as new and useful and desire to secure by Letters-Patent is:

The combination of two abutting rails having tread portions, one of said rails having a recess the rear wall of which being beveled, while the other rail is provided with a tongue 3 having a beveled portion 5 conforming to the said beveled rear wall, so as to engage therewith, the said tread portions having their adjacent portions beveled, the said beveled portions of the tread and the beveled portions of the tongue and the said rear wall are such as to prevent lateral movement of the parts in opposite directions, as and for the purpose specified.

In testimony whereof, we have signed our names to this specification in the presence of two subscribing witnesses.

ANDREW M. RITCHEY,
ROBERT C. SHANE.

Witnesses:

HERMANN JOHNSTON,
OTTO FRITSCH.