

J. CAPUTO.  
RAIL JOINT.

APPLICATION FILED JAN. 28, 1908.

899,951.

Patented Sept. 29, 1908.

FIG. 1.

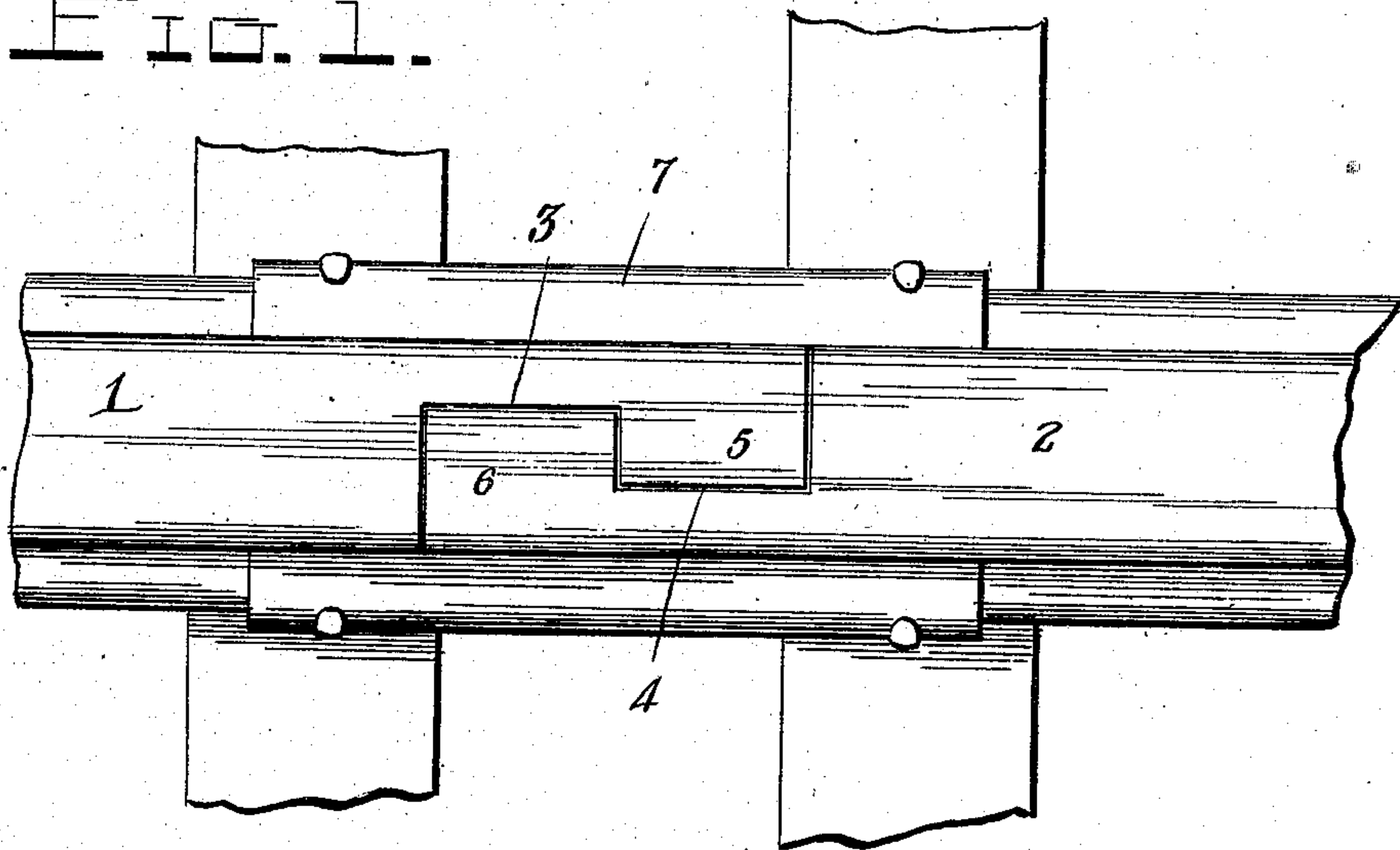
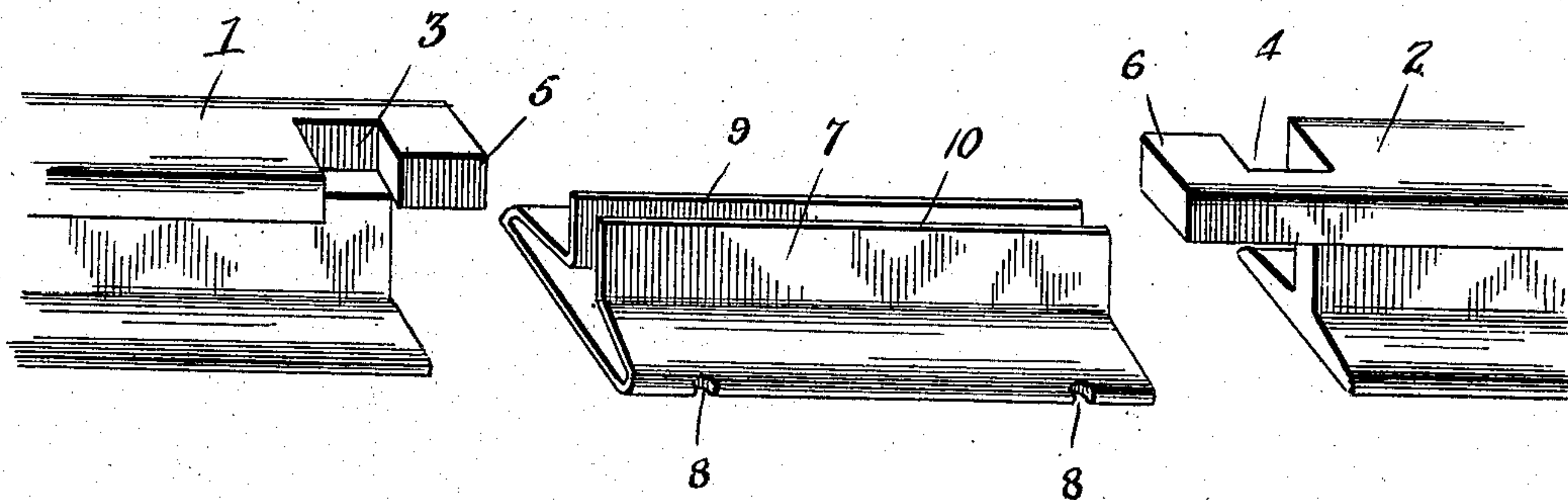


FIG. 2.



Witnesses

Chas. R. Griesbauer.  
C. H. Griesbauer.

Inventor

John Caputo.

By *A. B. Wilson & Co.*  
Attorneys



# UNITED STATES PATENT OFFICE.

JOHN CAPUTO, OF FROSTBURG, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO RALPH CARDONE, OF FROSTBURG, PENNSYLVANIA.

## RAIL-JOINT.

No. 899,951.

Specification of Letters Patent.

Patented Sept. 29, 1908.

Application filed January 28, 1908. Serial No. 412,959.

*To all whom it may concern:*

Be it known that I, JOHN CAPUTO, a citizen of the United States, residing at Frostburg, in the State of Pennsylvania, have invented  
5 certain new and useful Improvements in Rail-Joints; and I do 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  
10 make and use the same.

This invention relates to an improved rail joint and the object thereof is to provide a rail joint which is simple in construction and efficient in operation.

15 In the accompanying drawings, Figure 1 is a top plan view of two rail ends showing this improved joint; Fig. 2 is a perspective view of two rail ends and the connecting chair arranged in juxtaposition ready for assembling.  
20 bling.

In the embodiment illustrated, two rail ends 1 and 2 are shown each having the tread thereof extended longitudinally beyond the terminals of the webs and bases of the rails.  
25 The extension of the rail end 2 is longer than that of the end 1 and has a recess 4 extending laterally from one side thereof and with the inner side wall of said recess arranged in the same vertical plane as the terminals of the  
30 web and base of the rail end 2. The outer end of the tread of said rail end 2 forms a tongue 6 for a purpose to be described.

The end 1 has a recess 3 extending laterally from one side in the tread thereof with  
35 the outer side wall of said recess arranged in the same vertical plane as the terminal or outer edge of the web and base of said end 1. The tread extension of this end 1 forms a tongue 5 which is designed to fit loosely in  
40 the recess 4 formed in the tread extension of the end 2 and is arranged on the side opposite to that on which the recess 3 is formed in the end 1. The recess 3 receives the tongue 6 of the end 2 and when assembled  
45 the terminals of the webs and bases of the ends 1 and 2 are in contact thereby forming a secure joint which secures the ends against longitudinal separation.

The ends 1 and 2 are held against lateral

separation in any desired manner, preferably by means of a chair 7 designed to slide on the base of the rail ends in either direction and to be secured in place by means of spikes which engage the notches as 8 in said chair. The webs 9 and 10 of said chair 7  
55 are designed to fit under the tread of the rail ends to assist in supporting said ends.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the  
60 invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the prin-  
65 ciple or sacrificing any of the advantages of the invention, as defined in the appended claims.

I claim as my invention.

1. A railway track rail having the tread  
70 at its opposite ends extended beyond the web and base thereof, the extension at one end being longer than that of the other and provided with a laterally extending recess arranged therein beyond the terminal of its  
75 web and base, and the tread at the other end of the rail having a similar recess formed in the side opposite to that in which the recess is formed at the other end of the rail.

2. In a rail joint, the combination of two  
80 meeting rail ends, each having the tread thereof extended longitudinally, the tread extension of one rail being longer than that of the other and provided with a recess extending laterally from one side thereof adja-  
85 cent its connection with the body of the rail, the other rail end provided with a tread extension having a recess extending laterally in the tread thereof and terminating at the base of its extension and of a size to receive the  
90 end of the tread extension of the other end.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN CAPUTO.

Witnesses:

DOMENICO GATTI,  
WILLIAM SOERTERMAN.