

No. 744,212.

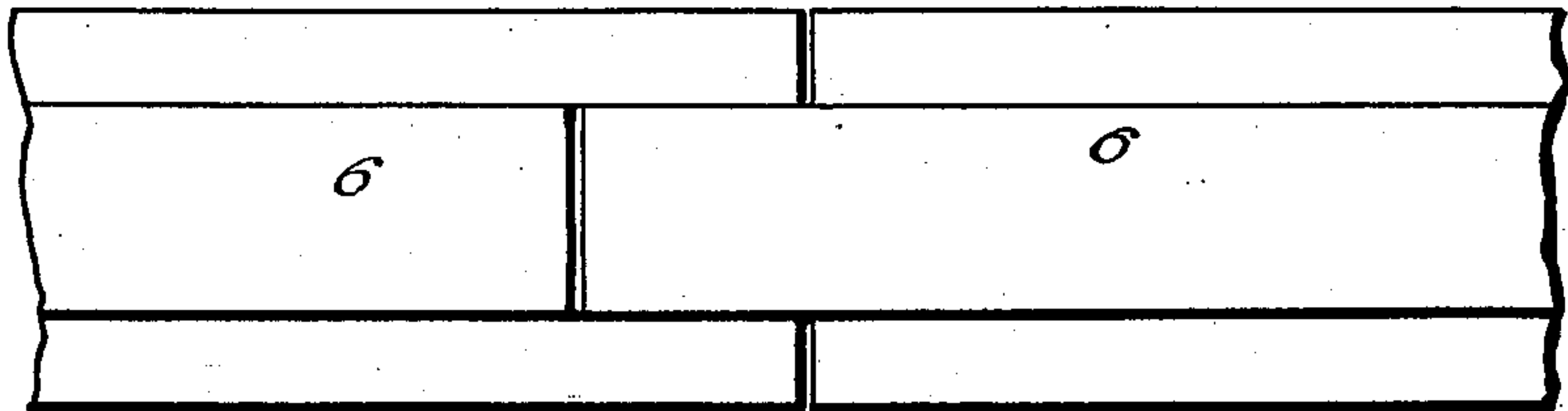
PATENTED NOV. 17, 1903.

A. S. LANUM.

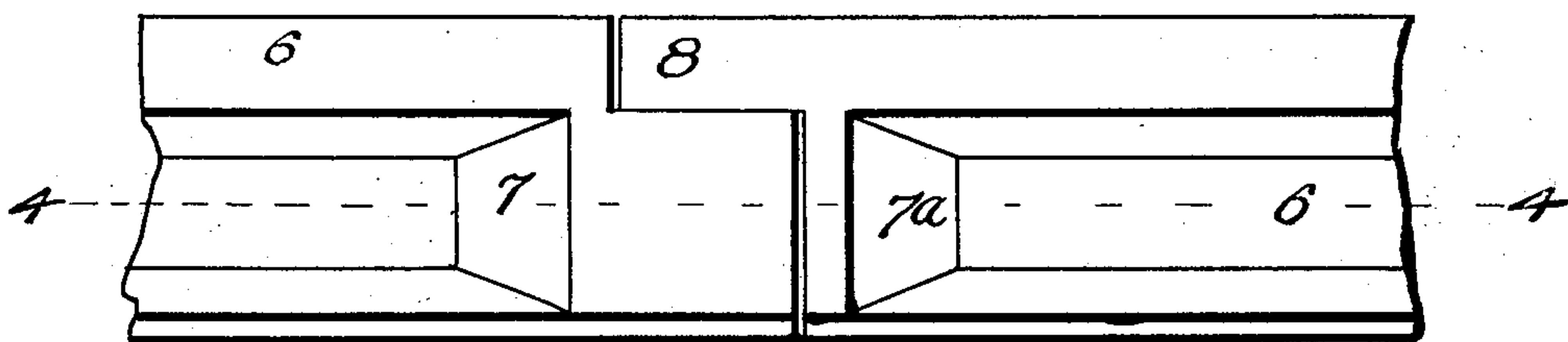
RAIL JOINT.

APPLICATION FILED MAY 4, 1903.

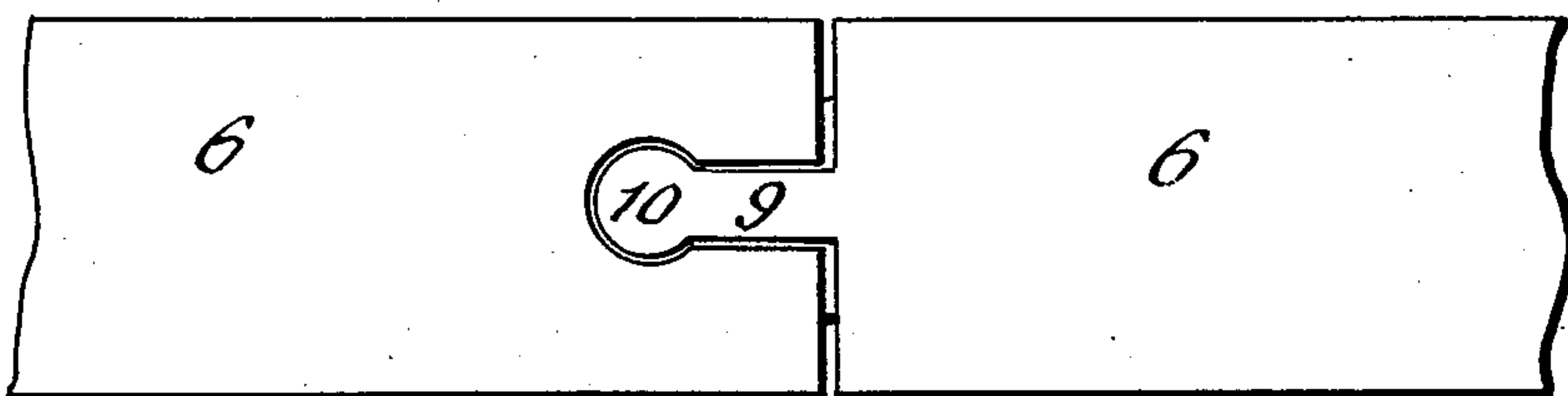
NO MODEL.



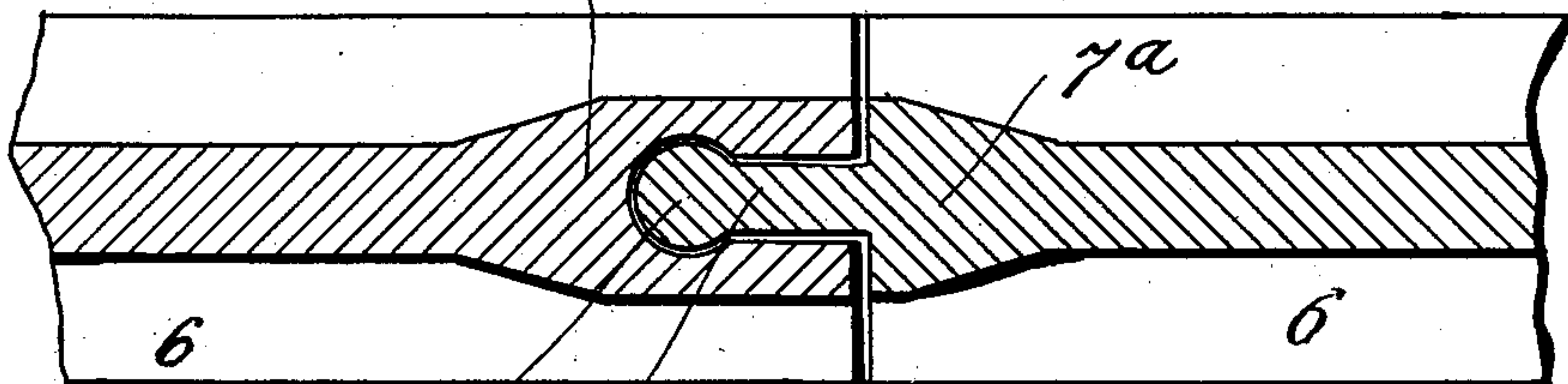
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Fig. 4.*

Witnesses

*M. E. Lorde.*

*Geo. E. Jew.*

Inventor

*Andrew S. Lanum*

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## UNITED STATES PATENT OFFICE.

ANDREW S. LANUM, OF CONNEAUT, OHIO.

## RAIL-JOINT.

SPECIFICATION forming part of Letters Patent No. 744,212, dated November 17, 1903.

Application filed May 4, 1903. Serial No. 155,586. (No model.)

*To all whom it may concern:*

Be it known that I, ANDREW S. LANUM, a citizen of the United States, residing at Conneaut, in the county of Ashtabula and State of Ohio, have invented certain new and useful Improvements in Rail-Joints; and I 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

This invention relates particularly to that class of rail-joints in which the meeting ends of the rails are joined by interlocking mortise and tenon; and the object of the invention is to form a simple, strong, and efficient rail-joint without the use of fish-plates or splice-bars. Further advantages of construction will be apparent from the following description.

In the accompanying drawings, Figure 1 is a top plan view of the rail-joint. Fig. 2 is a side elevation. Fig. 3 is a bottom plan view, and Fig. 4 is a horizontal section on the line 4 4 of Fig. 2.

Referring particularly to the drawings, the meeting rails are indicated at 6. The webs of both rails are swelled or enlarged laterally

at the ends of the rails to equal width with the head, forming abutting blocks 7 and 7<sup>a</sup> at the ends of the rails. The head of one rail is cut away to receive a lap 8, projecting from the other rail, which lap rests upon the block 7. Projecting endwise from the block 7<sup>a</sup> and downwardly from the lap 8 is a tenon 9, having an enlarged head 10. This tenon extends from the lap down to the bottom of the rail and fits in a corresponding mortise produced in the block 7. The fit is loose to allow for expansion and contraction. Rails so joined require no fish-plates and are inseparable except by lifting the tenon at the mortise. No bolts of any kind are required.

What I claim as new, and desire to secure by Letters Patent, is—

A rail-joint comprising one rail the end of which has a recess at the head, a block below the recess, and a mortise extending vertically through the block, and another rail the end of which has a lap at the head fitting said recess, and a tenon having a continuous enlarged head extending downwardly from the lap and fitting the mortise.

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

ANDREW S. LANUM.

Witnesses:

EUGENE C. HILL,  
L. T. FELCH.