

No. 840,950.

PATENTED JAN. 8, 1907.

R. MORGAN.
RAILWAY RAIL AND CHAIR THEREFOR.

APPLICATION FILED AUG. 29, 1906.

Fig. 1.

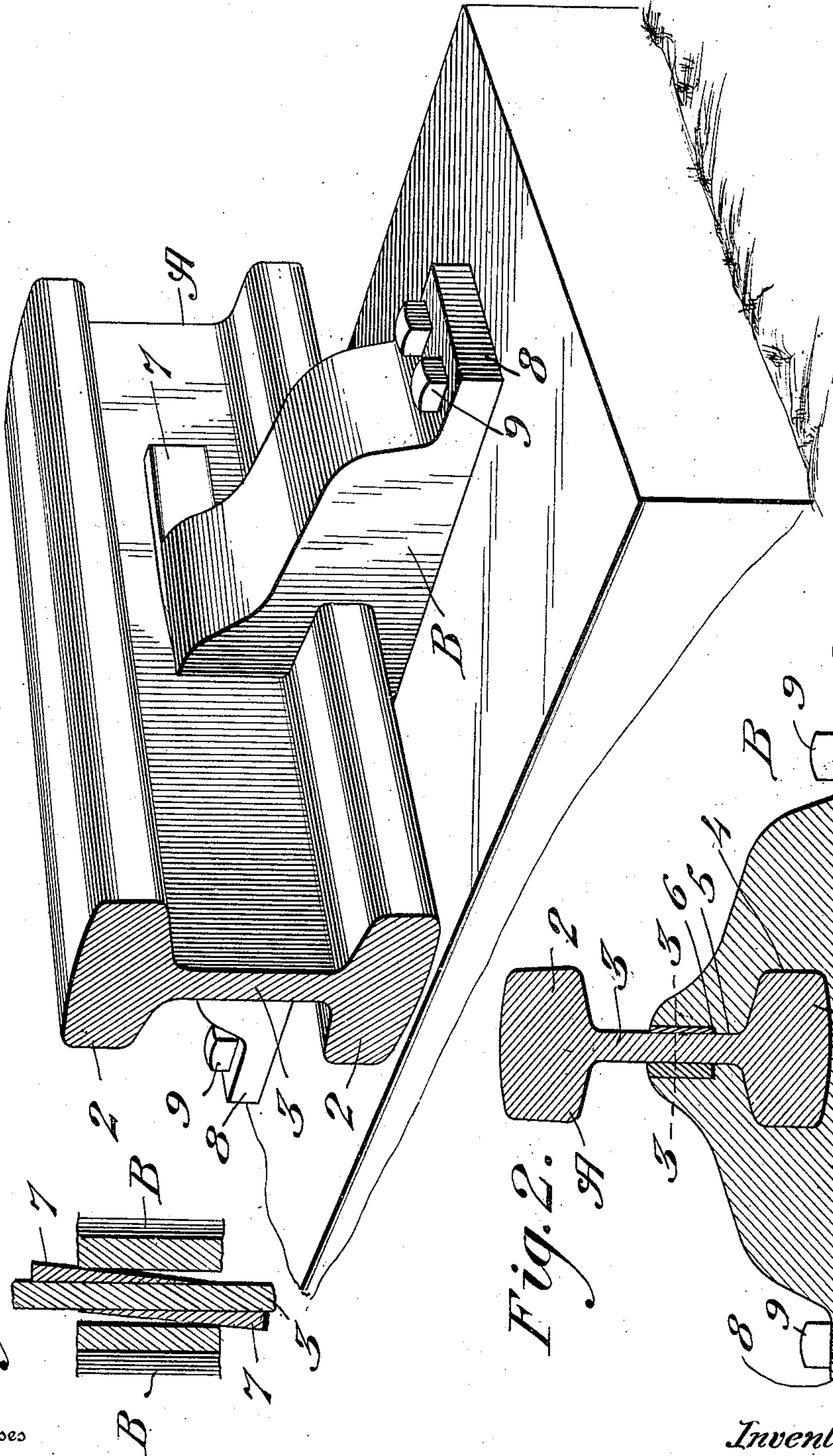
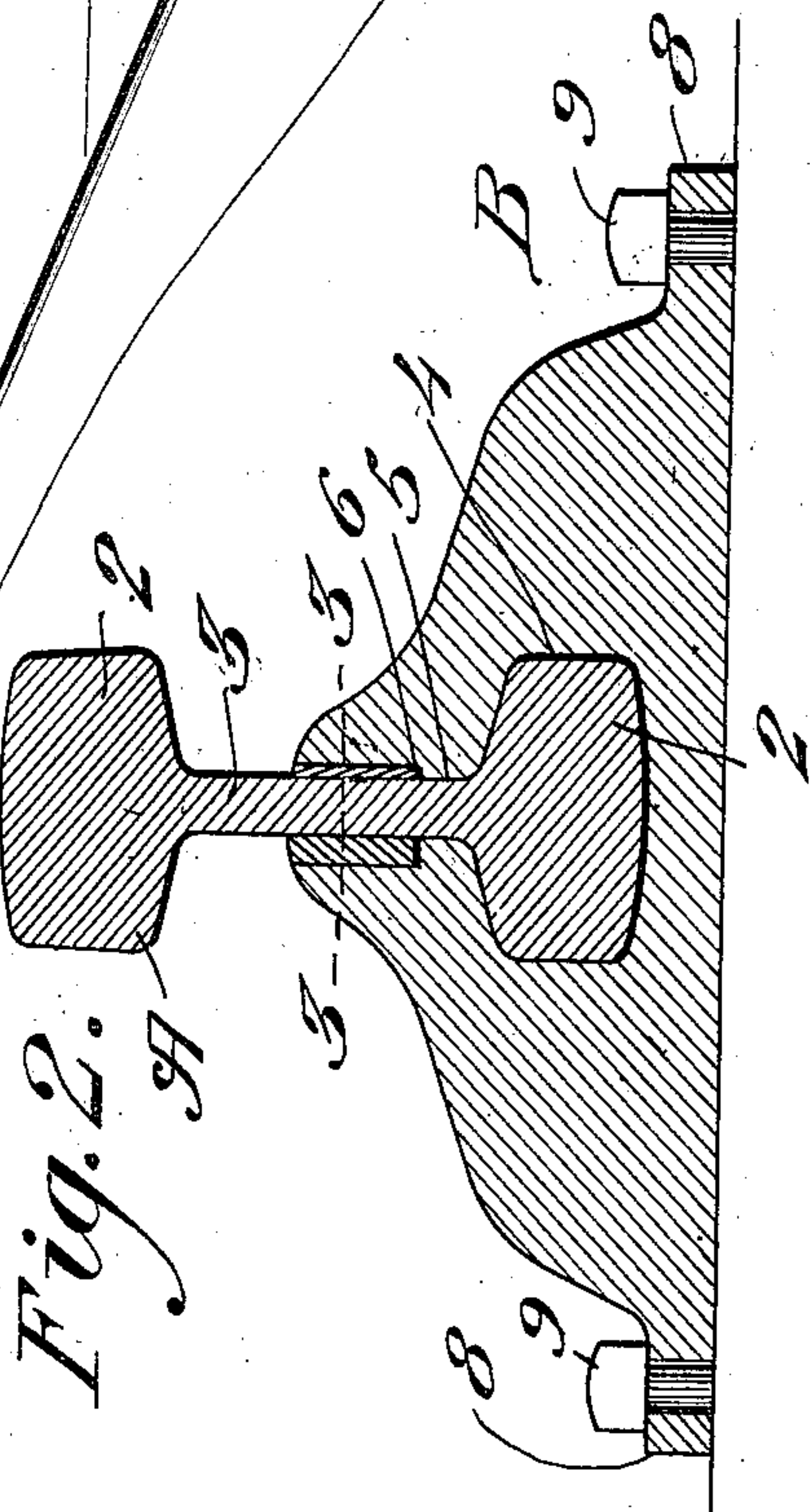


Fig. 2.



Witnesses

Phil. C. Barnes
John F. Byrum

Inventor

R. Morgan.
Victor J. Evans Attorney

UNITED STATES PATENT OFFICE.

ROBERT MORGAN, OF ST. PAUL, MINNESOTA.

RAILWAY-RAIL AND CHAIR THEREFOR.

No. 840,950.

Specification of Letters Patent.

Patented Jan. 8, 1907.

Application filed August 29, 1906. Serial No. 332,522.

To all whom it may concern:

Be it known that I, ROBERT MORGAN, a subject of the King of Great Britain, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented new and useful Improvements in Railway-Rails and Chairs Therefor, of which the following is a specification.

My invention relates to railway-rails and chairs therefor; and its object is to provide a novel and highly-useful rail, which is provided with two heads, so that the rail may be reversed to present a new head when one of the heads has become unfit for further use, and to provide a novel and highly-useful chair by means of which the rail may be firmly secured to the ties.

With the above and other objects in view the invention consists in the construction, combination, and arrangement of parts hereinafter fully described, claimed, and illustrated in the accompanying drawings, wherein—

Figure 1 is a perspective view of a rail and chair constructed in accordance with my invention. Fig. 2 is a sectional view of the rail and chair, and Fig. 3 is a horizontal section on the line 3 3 of Fig. 2.

Referring to the drawings by reference characters, A designates a rail, which is provided with two heads connected by a web 3, the heads being identical in construction. The provision of the rail with two heads adapts it to be reversed to present a new head when one head becomes worn and unfit for further use.

B designates a chair which is provided with a longitudinally-extending channel 4, of a shape and size to snugly receive one of the heads 2. Communicating with the channel 4 and opening out through the upper surface of the chair B is a longitudinally-extending slot 5. The lower end of the slot 5 fits snugly against the outer sides of the web 3, while its upper portion is enlarged to provide shoulders 6 and to permit application of wedges 7, the wedges 7 being used to firmly secure the rail to the chair B. Each of the wedges 7 is inserted in the enlarged portion of the slot 5 from opposite ends thereof and on each side of the web 3, the wedges resting

upon the shoulders 6. This manner of applying the wedges 7 secures the rail firmly to the chair. The chair is provided with laterally-extending base-flanges 8, which are provided with openings through which may be passed bolts 9 for securing a chair to a tie.

It should be apparent from the above description, taken in connection with the accompanying drawings, that I provide a rail which may be readily and quickly reversed so as to present a new head, thus adding materially to the life of the rail, and that I provide a chair by means of which the rail may be secured firmly to a tie.

Changes in the form, proportions, and minor details of construction may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

Having fully described and illustrated my invention, what I claim is—

1. In a device of the character described, the combination with a rail provided with duplicate heads, of a chair, said chair being provided with a longitudinally-extending channel adapted to receive one of the heads of the rail and with a longitudinally-extending slot opening out through the upper surface of the chair, said slot being enlarged to provide shoulders, and wedges inserted into the enlarged end of the slot on opposite sides of the web of the rail, said wedges resting upon said shoulders.

2. In a device of the character described, the combination with a rail provided with duplicate heads, of a chair provided with a channel for the reception of one of the heads, and with a slot opening out through the upper surface of the chair, said slot being enlarged to provide shoulders, said chair being provided with laterally-extending base-flanges, and wedges inserted into the enlarged portion of the slot on each side of the web of the rail and seated on said shoulders.

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

ROBERT MORGAN.

Witnesses:

NELLIE KRAMER,
RALPH KRAMER.