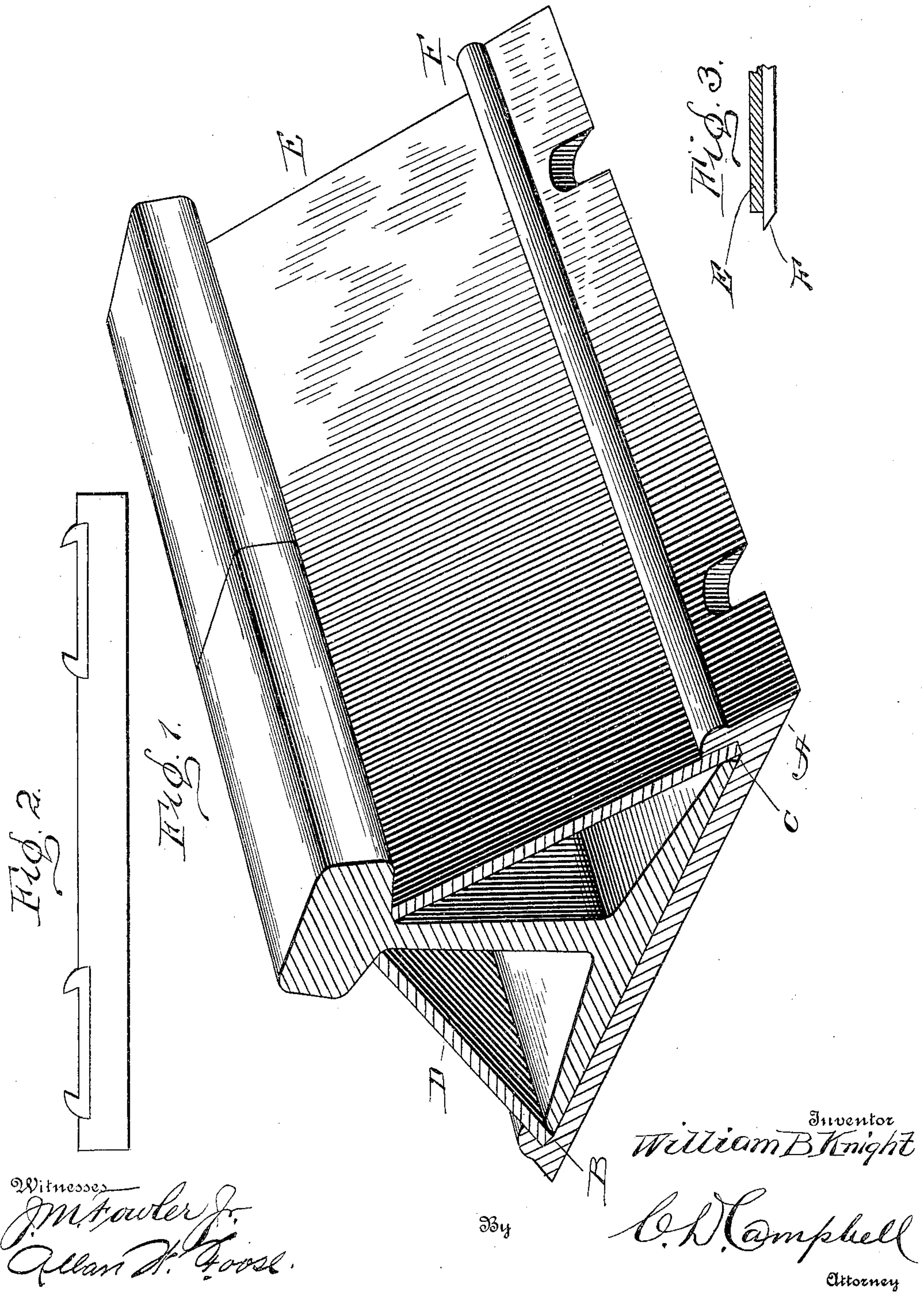


No. 813,157.

PATENTED FEB. 20, 1906.

W. B. KNIGHT.
DEVICE FOR SPLICING T-RAILS.
APPLICATION FILED JUNE 3, 1905.



UNITED STATES PATENT OFFICE.

WILLIAM B. KNIGHT, OF BELLEFONTAINE, OHIO.

DEVICE FOR SPLICING T-RAILS.

No. 813,157.

Specification of Letters Patent.

Patented Feb. 20, 1906.

Application filed June 3, 1905. Serial No. 263,667.

To all whom it may concern:

Be it known that I, WILLIAM B. KNIGHT, a citizen of the United States, residing at Bellefontaine, in the county of Logan and State of Ohio, have invented a new and useful Chair for Uniting Railroad-Rails, of which the following is a specification.

My invention relates to certain improvements in methods of uniting rails on a railroad and for steadying the rails to keep them from spreading.

Figure 1 is a perspective view of my device with one end in section. Fig. 2 is an end view of my device embedded in a steel tie. Fig. 3 is a top view of the outer edge of my device and a top sectional view of the wedge, showing the edge of the flange beveled off or made thinner at its end, so it can be battered over the end of the wedge and lock it in position.

My device consists of a chair or base-plate A, having the recesses or pockets B C at the sides extending the whole length of the plate on the inside and the bracing or tightening wedges D E and is intended for the uniting of the ends of T-rails and doing away with the angle-bars, fish-plates, bolts, &c., now used.

In practice the ends of the rails to be united are placed in position on my base-plate or chair and the side plates D E are driven into position, as shown in the figures, one edge of each plate resting in the pocket at each side of my plate and against the outer

edge of the rail-flange and the upper edge resting under and against the under side of the ball of the rail, while my base-plate or chair is spiked to the ties.

My device not only holds the ends of the rails firmly together, but braces them firmly against side movement or any inclination to turn over.

Besides being used to unite the rails they can readily be placed in the center or at any point under the rail to prevent spreading of the rails.

My device can also be cast as part of a steel tie, making a solid base and fixing the gage without further manipulation.

At each end of my chair the edge of the chair F projects a little beyond the ends of the plates D E and is beveled or made thinner, so that after the plates D E are driven into position the beveled or thin ends F of the flange of the chair can be battered down, so as to clench and hold the plates in position.

What I claim is—

The chair A, having seats B, C, and the wedges or side plates D, E, their upper ends bearing against the under side of the ball of the rail, and the lower ends resting on the chair, and against the outside bottom edge of the rail, as and for the purpose set forth.

WILLIAM B. KNIGHT.

Witnesses:

C. D. CAMPBELL,
EDWARD K. CAMPBELL.