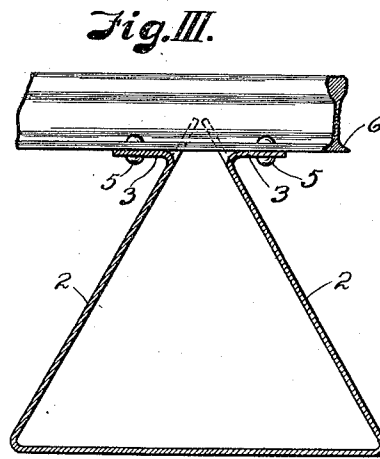
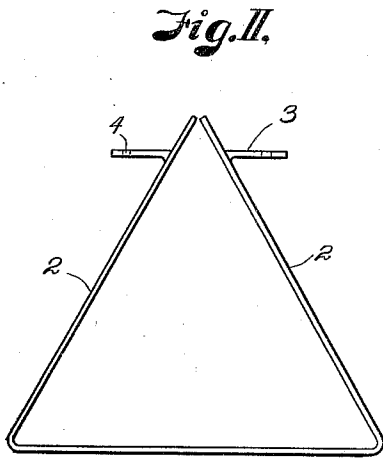
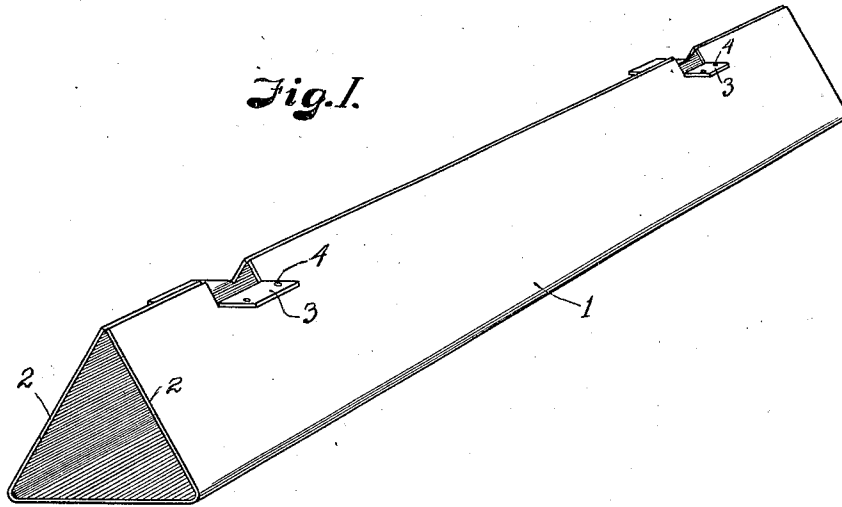


J. P. WEBB.
RAILWAY TIE.
APPLICATION FILED SEPT. 29, 1910.

1,001,788.

Patented Aug. 29, 1911.



WITNESSES.

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RAILWAY-TIE.

1,001,788.

Specification of Letters Patent. Patented Aug. 29, 1911.

Application filed September 29, 1910. Serial No. 584,385.

To all whom it may concern:

Be it known that I, JAMES P. WEBB, a citizen of the United States, residing at Emerson, in the county of Comanche and State of Oklahoma, have invented certain new and useful Improvements in Railway-Ties; 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 make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in railway ties, and has for its object to provide a sheet metal tie which will support the rails in the same manner as the ordinary wooden tie and is simple and economical in construction and durable when in use. In accomplishing this object I have provided the improved details of structure which will be hereinafter described and claimed, and are illustrated in the accompanying drawings, in which—

Figure I is a perspective view of a sheet metal tie, constructed according to my invention. Fig. II is an end view of same. Fig. III is a cross section of the tie, showing a rail attached thereto.

Referring more in detail to the parts:—1 designates the body of the tie which is turned up to form the inclined longitudinal side members 2, which preferably meet at their upper edges to form a structure triangular in cross section. Near each end of the tie, the upper edges of the side members 2 are slit to form the lips 3, which are bent outwardly in a plane parallel to the base 1, to form rail seats the opposite side members being slit to the same depth and bent flush with the lip bases, so that when bent back,

as described, they will extend in the same plane to form an even support for the rail. Each of the lips is provided with apertures 4, near its side edge, for receiving bolts or rivets 5, which extend through the rail base 6 when the latter is in place to permanently fix the rail to the tie.

The end and intermediate portions of the tie are preferably retained close to each other, so that they may, under certain conditions, answer the purpose of the common cattle-guards.

It is apparent that the flat base of a tie of this construction will be supported on a road-bed in the same manner as the flat base of an ordinary wooden tie, so that the material of the road-bed may be tamped therearound in the ordinary manner. It is also apparent that my improved tie affords sufficient resiliency for comfortable and safe travel, while affording strength and durability.

Having thus described my invention, what I claim as new therein and desire to secure by Letters-Patent is:—

A sheet metal tie comprising a flat base, having integral side members bent over said base and meeting thereabove to form a body substantially triangular in cross section, the meeting edges of said side members being slit near each end of the tie to form lips which are bent back in alinement with each other and parallel with the tie base and provided with rail securing apertures, substantially as set forth.

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

J. P. WEBB.

Witnesses:

ELMER G. CRUM,
FRED C. SUTTON.