

No. 808,055.

W. F. KIESEL, JR.

PATENTED DEC. 19, 1905.

POST AND CARLINE FOR RAILWAY CAR FRAMES.

APPLICATION FILED AUG. 23, 1905.

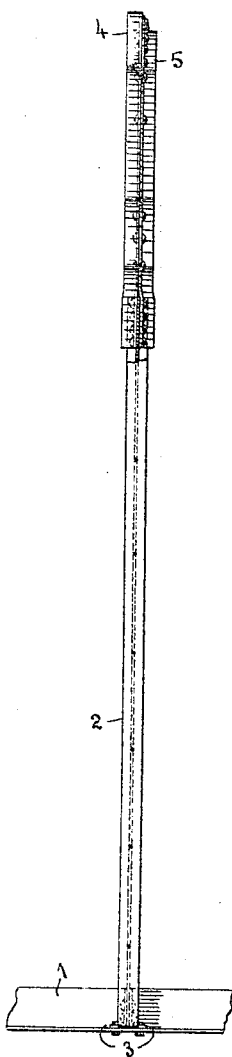


Fig. 1

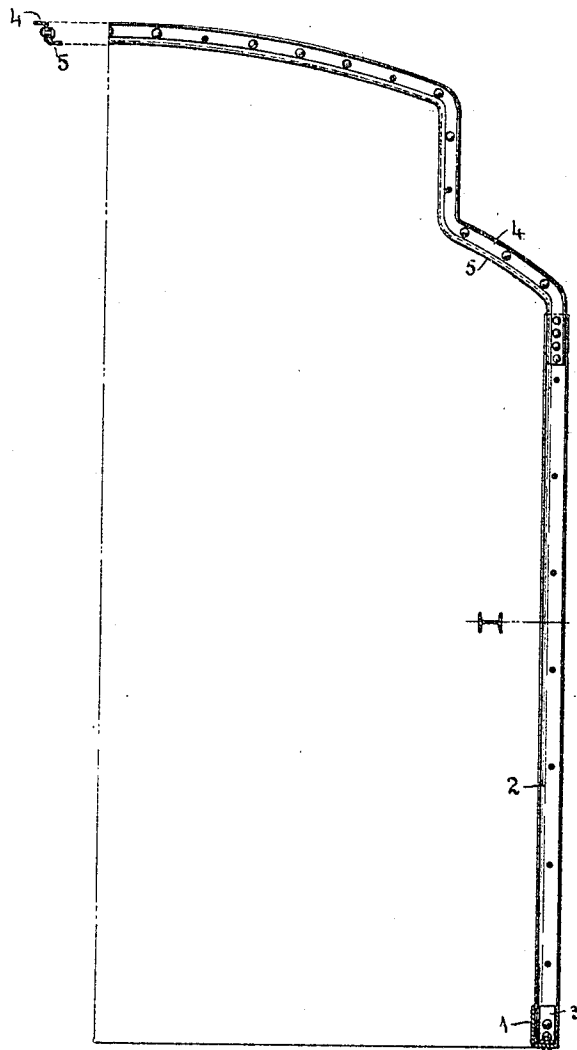


Fig. 2

WITNESSES

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WILLIAM F. KIESEL, JR., OF ALTOONA, PENNSYLVANIA.

POST AND CARLINE FOR RAILWAY-CAR FRAMES.

No. 808,055.

Specification of Letters Patent.

Patented Dec. 19, 1905.

Application filed August 23, 1905. Serial No. 275,386.

To all whom it may concern:

Be it known that I, WILLIAM F. KIESEL, Jr., a citizen of the United States, residing at Altoona, in the county of Blair and State of Pennsylvania, have invented certain new and useful Improvements in Posts and Carlines for Railway-Car Frames, of which the following is a specification.

This invention relates to improvements in the posts and carlines employed in the steel superstructure of railway-cars; and the object of my invention is to provide a light and strong skeleton post and carline adapted for use in car-frames of combined wood and steel construction.

I attain my object by forming and combining the post and carline members substantially as illustrated in the accompanying drawings, in which—

Figure 1 represents a side elevation of my improved post and carline, and Fig. 2 the post and one-half the carline as viewed in elevation from one end of the car-frame.

Like numerals indicate like parts in the two views.

1 represents an angle-bar side sill having vertical and horizontal limbs. Rising from the horizontal limb of the side sill is the post 2, which consists of a comparatively light steel bar of I-shaped cross-section. This post at its foot is secured to the side sill by means of the angles 3, riveted to each side of the web of the post and bolted or riveted to the horizontal limb of the side sill.

The carline consists of two angle-bars 4 and 5, bent into shape to conform with the lines of the upper and lower roof-decks, said angle-bars having their vertical limbs riveted together and their horizontal limbs placed in reversed positions, giving to the carline a Z-shaped cross-section. The legs of the carline-angles are turned downward and spread apart so as to embrace the web of the posts on each side of the car, the posts and the car-

line-legs being riveted together in the manner illustrated. By this arrangement of the posts and carlines I provide a light and stiff skeleton, to which may be attached the wood uprights and carline-pieces, to which the outer and inner sheathings of the car are attached. If it is found desirable not to use the steel I-posts throughout the length of the car-frame, the steel carlines, as described, may be employed at intermediate points, with their legs attached to the tops of wood posts by suitable joining-pieces, and I may dispense with the steel posts altogether.

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

1. In a car-frame, a post of I-shaped cross-section, in combination with a carline composed of reversed angle-bars riveted together and bent to conform with the shape of the roof-decks, the legs of the angles being spread apart and riveted to the post at each side of the web thereof.

2. In a car-frame, the combination, with an angle-bar side sill, of a post of I-shaped cross-section having its foot resting upon and fastened to the horizontal limb of the sill, and a carline bent to conform with the shape of the roof-decks and having one leg attached to the top of said post, the other leg being attached to a similar post on the opposite side of the car.

3. In a car-frame, the combination, with opposite side posts, of a carline of Z-shaped cross-section composed of reversed angle-bars having their vertical limbs riveted together and their legs attached to the upper ends of the posts.

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

WILLIAM F. KIESEL, JR.

Witnesses:

U. S. DRAYER,
MARVIN SINGER.