

No. 890,805.

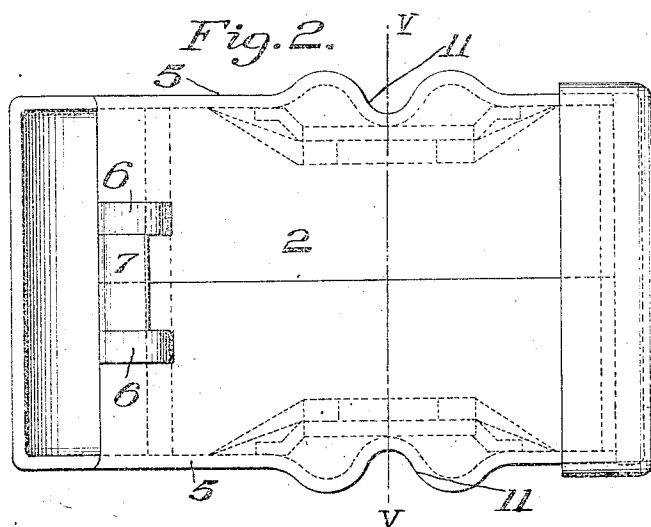
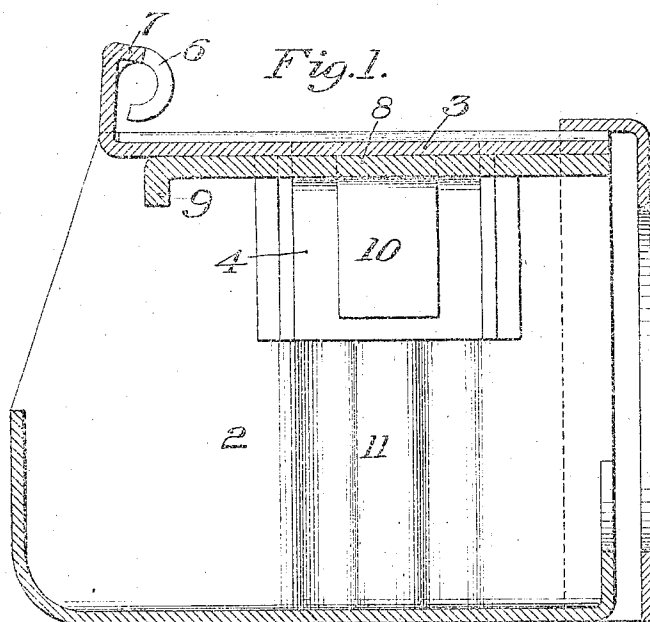
PATENTED JUNE 16, 1908.

W. H. SHINN.

PRESSED STEEL JOURNAL BOX FOR RAILWAY CARS.

APPLICATION FILED AUG. 22, 1907.

2 SHEETS—SHEET 1.



WITNESSES.

Walter Samaras
C. E. Eggers

INVENTOR.

William H. Shinn
by James E. Bakewell
his attorney

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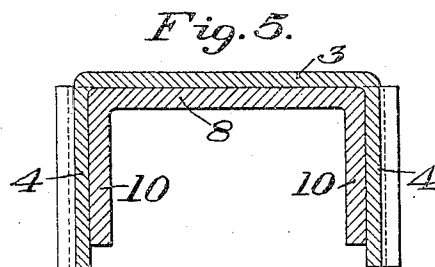
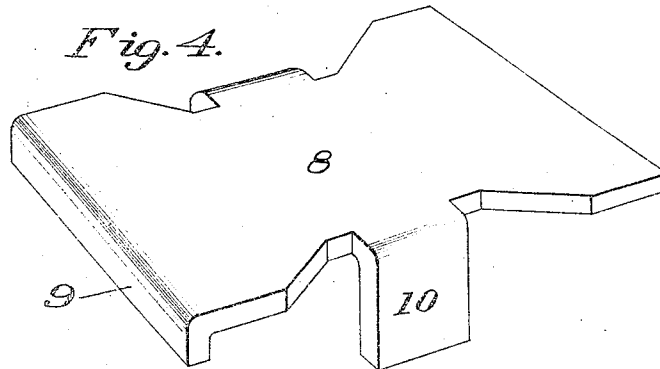
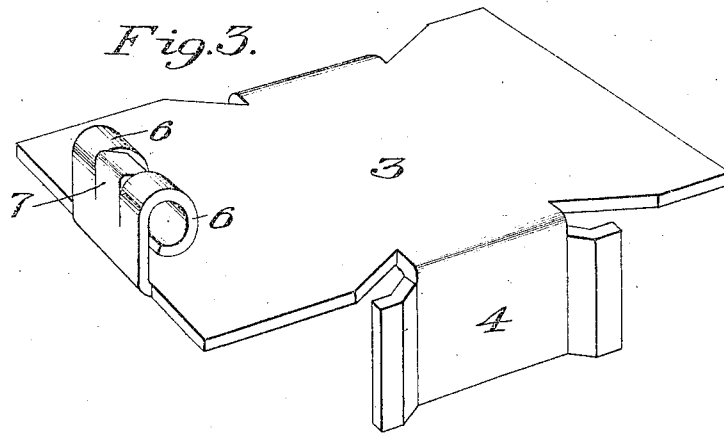
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2 SHEETS—SHEET 2.



WITNESSES.

Walter Lamariss
O. E. Eggers

INVENTOR.

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UNITED STATES PATENT OFFICE.

WILLIAM H. SHINN, OF CARNEGIE, PENNSYLVANIA.

PRESSED-STEEL JOURNAL-BOX FOR RAILWAY-CARS.

No. 890,805.

Specification of Letters Patent.

Patented June 16, 1908.

Application filed August 22, 1907. Serial No. 339,618.

To all whom it may concern:

Be it known that I, WILLIAM H. SHINN, of Carnegie, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Pressed-Steel Journal-Boxes for Railway-Cars, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical sectional view of a journal box illustrating my invention; Fig. 2 is a plan view of the same; Fig. 3 is a perspective view of a reinforcing plate; Fig. 4 is a like view of the lug-plate; and Fig. 5 is a cross-sectional view on the line V—V of Fig. 2.

My invention relates to an improvement in journal boxes for railway cars, and it consists in a journal box having a body portion formed of pressed steel having a reinforcing plate and having a lug-plate as is hereinafter more fully set forth.

I will now describe my invention so that others skilled in the art may manufacture and use the same.

In the drawings, 2 represents the body of the journal box, which may be formed of sheet steel brought to the desired shape by stamping or other suitable means. This body of the box may be formed of one piece of metal having its edges bent toward each other at the top, these edges forming flanges which may extend over a portion only of or over the full area of the top. To the top of the box is secured the reinforcing plate 3 either by welding with electricity or by hand, or by rivets, as may be desired, or by other suitable means. This plate 3 is of such shape as to fit below the bent over flanges or wings of the top of the box and is provided with suitable lugs 4 which are adapted to bear at one or more points against the corrugated sides 5 of the body of the journal box and the interior thereof.

At the front portion of the reinforcing plate 3 are the hinge lug and spring stop lug 6 and 7, which extend up above the top of the box at the forward face of the same, the hinge lugs serving the purpose of securing the lid to the box and the spring stop serving as a rest against which the spring of the lid bears. Below the reinforcing plate 3 is a lug-plate 8 having a forward depending flange 9

and the side depending flanges 10 which serve as rests or stops for the brass or bearing of the stop wedge of the box. The side of the body of the box is provided with corrugations 11, the purpose of which is to form ribs on the outer face of the body of the box, between which ribs are the cavities for the passage of the column bolts, which serve to secure the box to the arch-bars of the truck. Although I desire to weld the plates 3 and 8 and the top of the box together, making one complete piece, I do not desire to limit myself to such construction, as rivets or other means of securing the plates to each other and to the box may be substituted therefor. Although I have shown the plates 3 and 8 as being welded to the top of the box, and although I have shown the top of the box extending to a butt-joint, I do not desire to limit myself to this seam or joint in the top of the box as the top flange of the box may be of any width.

The advantages of my invention, which will be appreciated by those skilled in the art, are found in the strength and lightness of the box, and the ease and simplicity of the construction of the parts of the same.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. In a pressed steel journal box having a body portion, a reinforcing plate adapted to be secured to the top of the box, and having a hinge lug, and a lug-plate provided with depending flanges.

2. In a pressed steel journal box having a body portion, a reinforcing plate adapted to be secured to the top of the box, said plate having side depending flanges and an upwardly extending hinge flange, and a lug-plate adapted to be secured to the reinforcing plate and having depending flanges.

3. In a pressed steel journal box, a plate adapted to be secured to the body of the box and having a hinge lug, a plate adapted to be secured to the other plate, and provided with a depending flange extending across the front thereof.

In testimony whereof, I have hereunto set my hand.

WILLIAM H. SHINN.

Witnesses:

M. A. BARTH,
C. E. EGGERS.