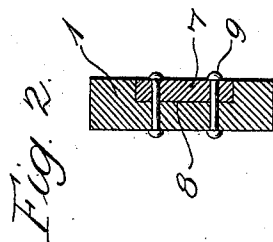
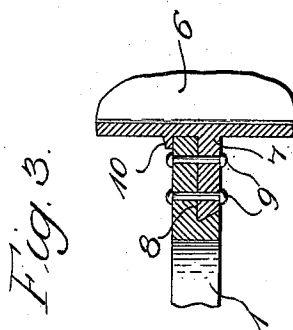
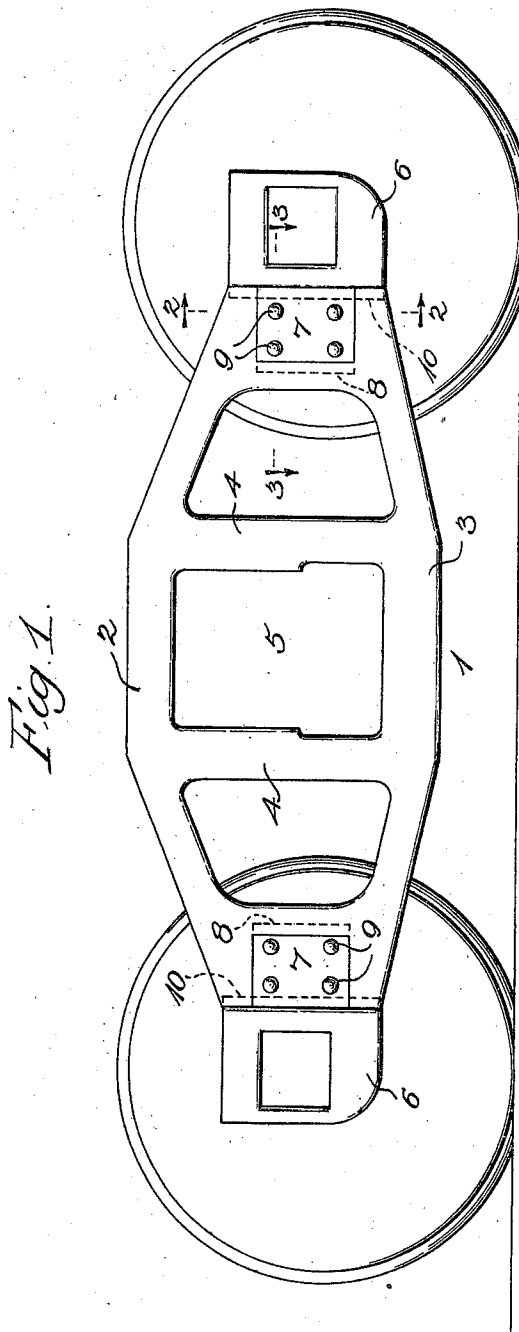


J. E. OSMER.
CAR TRUCK.
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984,595.

Patented Feb. 21, 1911.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN E. OSMER, OF CHICAGO, ILLINOIS.

CAR-TRUCK.

984,595.

Specification of Letters Patent.

Patented Feb. 21, 1911.

Application filed April 6, 1910. Serial No. 553,822.

To all whom it may concern:

Be it known that I, JOHN E. OSMER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Car-Trucks, of which the following is a specification.

This invention relates to an improved means for attaching the journal boxes to the side frames of car trucks.

In the accompanying drawings, Figure 1 is an elevation of a side frame embodying the features of my invention. Figs. 2 and 3 are sections on lines 2 2 and 3 3, respectively, of Fig. 1.

The side frame 1 may be of any suitable construction. It is herein illustrated as comprising upper and lower arches 2 and 3 and brace members 4 extending vertically between said arches. An opening 5 is provided between the brace members 4, said opening being adapted for the reception of one end of a bolster and springs (not shown).

Each of the journal boxes 6 has an attaching stem 7 integral with one wall thereof, said stems fitting, in this instance, within recesses 8 in the faces of the side frame 1 at the ends thereof. As illustrated in Fig. 3, the inner edge of the recess 8 may be undercut to conform to the shape of the stem 7 and thereby assist in holding said stem in place. Rivets 9 or other suitable fastening members extend through the stems 7 and through the adjacent portions of the side frame and secure said stems and the journal boxes 6 to the side frame. The journal boxes are preferably arranged to lie close up against the ends of the side frame and be held in this position by the rivets 9. Each of the journal boxes 6 may be provided with a rib 10 adapted to lie adjacent the end of the side frame at the opposite side from the stem 7. Said ribs assist in preventing outward movement of the journal boxes with relation to the side frame.

It will be seen that the arrangement here-

in shown provides a very strong and simple connection between the side frame and the journal box, and that the latter may be readily removed, if necessary, by removing the rivets or other fastening members 9. The stem 7 is preferably relatively wide in a vertical direction as compared with its horizontal thickness, in order the better to resist shearing stresses.

I claim as my invention:

1. In a car truck, the combination of a side frame having a recess at each end thereof, said recesses extending horizontally inward from the ends of the frame a relatively great distance and being of less height than the end portions of said frame; two journal boxes abutting against the ends of said side frame, each of said boxes having an attaching stem fitting in one of said recesses; and fastening members extending through said stems and through the end portions of the side frame.

2. In a car truck, the combination of a side frame, journal boxes positioned at the ends of said side frame, a horizontally extending attaching stem on each of said journal boxes lying against said side frame, said frame having recesses in its face for the reception of said stem, and rivets passing through said stems and the adjacent portions of said side frame, said rivets securing the journal boxes to the side frame.

3. In a car truck, the combination of a side frame having recesses in its outer face at its ends, journal boxes each having an attaching stem lying in one of said recesses, said stem being relatively wide in a vertical direction as compared with its horizontal thickness and rivets passing through said stem and the adjacent portion of the side frame, each box abutting the end of the side frame and having a vertical rib which lies against the inner side of the frame.

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