

G. KOMAREK.
CAR TRUCK SIDE FRAME.
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1,050,955.

Patented Jan. 21, 1913

Fig. 1.

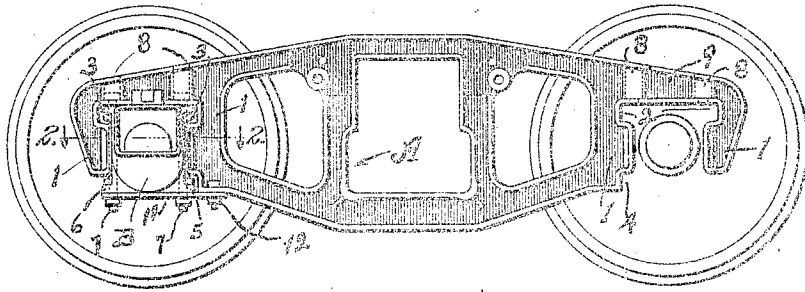
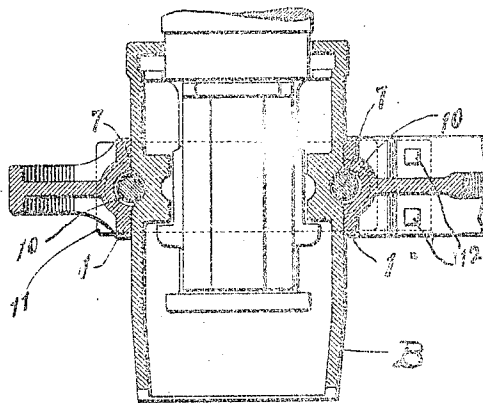


Fig. 2.



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UNITED STATES PATENT OFFICE.

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CAR-TRUCK SIDE FRAME.

1,050,953.

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To all whom it may concern:

Be it known that I, GUSTAV KOMAREK, a citizen of the United States, residing at St. Louis, Missouri, have invented a certain new and useful Improvement in Car-Truck Side Frames, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to car truck side frames, and has for its object to provide a cast side frame having integral pedestal jaws which are so designed that any standard Master Car Builders' journal-box can be used with same.

Figure 1 of the drawings is a side elevational view of a truck side frame constructed in accordance with my invention; and Fig. 2 is an enlarged horizontal sectional view taken on the line 2—2 of Fig. 1.

Referring to the drawings which illustrate the preferred form of my invention, A designates a one-piece cast side frame that is provided at each of its ends with a pair of integral pedestal jaws 1. In order that any standard Master Car Builders' journal-box B may be used with the side frame I have provided the pedestal jaws with recesses or pockets 2 for receiving the bolt lugs 3 on the upper portions of the journal boxes, said recesses being located on the inner sides of the pedestal jaws adjacent the upper ends of same. The inside pedestal jaw of each pair is provided at its lower end with a recess or pocket 4 for receiving the bolt lug 5 on the inner side of the lower portion of the journal box with which it coöperates, and the outside pedestal jaw of each pair is so proportioned and designed that it terminates a slight distance above the bolt lug 6 on the outside of the lower portion of its coöperating journal box. Each journal box is retained in position by means of two through-bolts 7 which pass vertically through holes 8 in the portion 9 of the side frame that extends across the space between the pedestal jaws and semi-circular-shaped grooves 10 are formed in the inner faces of the pedestal jaws to receive said through-bolts, as shown in Fig. 2. Means is also provided for securely tying the lower portion of each journal box to the side frame, and in the embodiment of my invention herein shown

said means consists of a strap 11 on the under side of the journal box through which the bolts 7 pass, said strap extending under the lower portion of the side frame to which it is detachably connected by means of bolts 12 or other suitable fastening devices, as shown in Fig. 1.

A car truck side frame of the construction above-described is exceptionally strong and rigid and there is no possibility of the pedestal jaws becoming loose or detached from the side frame because they are cast integral with the side frame. Any standard Master Car Builders' journal box may be used with the side frame owing to the fact that the pedestal jaws are provided with recesses or pockets for receiving the bolt lugs on the journal boxes. The journal boxes can be applied or removed easily, and when they are in operative position they are held securely against movement in any direction by the peculiar shape of the pedestal jaws and the straps that tie the lower portions of the boxes to the side frame.

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

1. A cast metal side frame provided at each end with a pair of integral vertically disposed pedestal jaws formed in such a manner that standard Master Car Builders' journal-boxes can be moved into and out of same longitudinally of the wheel axles, through-bolts passing through the side frame and through the lugs on the journal-boxes for securing the boxes in position, and removable members detachably connected to the side frame adjacent the lower ends of said jaws and adapted to coöperate with said through-bolts to tie the lower portions of the journal-boxes to the side frame.

2. A cast metal side frame provided with pairs of vertically disposed integral pedestal jaws having recesses or pockets for receiving the bolt lugs on a standard Master Car Builders' journal box, the outer jaw of each pair terminating above the bottom lug on the outer side of the box with which it coöperates, and removable members extending across the under side of the journal boxes for tying them to the side frame.

3. A cast metal side frame provided with pairs of integral vertically disposed pedestal jaws having recesses or pockets for receiving

the bolt lugs on a standard Master Car Builders' journal box, the outside jaw of each pair being shorter than the inside jaw so that it will terminate above the bolt lug on the outside of the lower portion of the journal box with which it cooperates.

4. A cast metal side frame provided at each end with a pair of vertically disposed integral pedestal jaws, said jaws having pockets or recesses formed on the inner sides of same adjacent their upper ends for receiving the bolt lugs on the upper portion of a standard Master Car Builders' journal box, and removable members arranged at the lower ends of said jaws and detachably connected to the side frame.

5. A cast metal side frame provided at each end with a pair of vertically disposed integral pedestal jaws, said jaws having pockets or recesses formed on the inner sides of same adjacent their upper ends for receiving the bolt lugs on the upper portion of a standard Master Car Builders' journal box, the inner jaw of each pair being provided at its lower end with a recess or pocket for receiving the bolt lug on the inner side of the lower portion of the journal box, and removable members at the lower ends of said jaws that close the openings in which the journal-boxes are arranged, said removable members being connected to the lower portion of the side frame and to the bolts that retain the journal-boxes in position.

6. A cast metal side frame provided at each end with a pair of integral vertically disposed pedestal jaws, the portions of the side frame which extend across the spaces between the jaws being provided with openings for receiving the through-bolts that retain the journal boxes in position and the inner faces of the jaws being provided with

grooves for receiving said bolts, and removable members at the lower ends of said jaws that extend transversely across the under side of the journal boxes.

7. A cast metal side frame provided at each end with a pair of integral vertically disposed pedestal jaws, the portions of the side frame which extend across the spaces between the jaws being provided with openings for receiving the through-bolts that retain the journal boxes in position and the inner faces of the jaws being provided with grooves for receiving said bolts, pockets in said jaws for receiving the bolt lugs on the upper portions of the journal boxes, and removable members cooperating with the through bolts for securing the lower portions of the boxes to the side frame.

8. A cast metal side frame provided at each end with a pair of integral vertically disposed pedestal jaws, the portions of the side frame which extend across the spaces between the jaws being provided with openings for receiving the through-bolts that retain the journal boxes in position and the inner faces of the jaws being provided with grooves for receiving said bolts, pockets in said jaws for receiving the bolt lugs on the upper portions of the journal boxes, the outside jaw of each pair being shorter than the cooperating inside jaw, and straps detachably connected to the side frame and arranged on the under side of the journal boxes.

In testimony whereof I hereunto affix my signature in the presence of two witnesses, this twenty-third day of August 1912.

GUSTAV KOMAREK.

Witnesses:

WELLS L. CHURCH,
CORA M. BADGER.